

LAMPIRAN

Lampiran 1 Perhitungan Euclidean Distance untuk kelas E-Tourism

Proses Perhitungan Data Euclidean Distance ke-1

$$(d) = \text{SQRT}((90-90.4)^2+(90.7-95.05)^2+(85-83.1)^2+(95.25-92.75)^2+(88.5-85.45)^2+(77.05-70.6)^2+(85.5-87.05)^2+(92.05-91.55)^2+(86.9-82.3)^2+(91.5-93.8)^2+(87-90.4)^2+(64.75-72.5)^2+(95-95)^2+(86.5-86.5)^2+(81.75-79.95)^2+(89.4-85.7)^2+(89-89.75)^2+(94.95-92.2)^2+(95.55-97.9)^2+(97.25-97.5)^2+(84.15-78.75)^2+(83.4-81)^2+(96.2-92.25)^2+(82.15-83.2)^2+(86.25-86)^2+(90.5-90.5)^2+(97.25-97.75)^2+(87.6-85.05)^2+(85.5-85.5)^2+(86-88.2)^2+(84.25-84.25)^2+(89.7-89.1)^2)$$

$$= 16.579$$

Proses Perhitungan Data Euclidean Distance ke-2

$$(d) = \text{SQRT}((90.1-90.4)^2+(87.15-95.05)^2+(82.8-83.1)^2+(90.95-92.75)^2+(82.95-85.45)^2+(84.65-70.6)^2+(87.05-87.05)^2+(91.85-91.55)^2+(85.9-82.3)^2+(92.1-93.8)^2+(90.15-90.4)^2+(73.75-72.5)^2+(93.25-95)^2+(86.5-86.5)^2+(76.65-79.95)^2+(86.75-85.7)^2+(91.5-89.75)^2+(96-92.2)^2+(98.95-97.9)^2+(96.25-97.5)^2+(81.5-78.75)^2+(80.35-81)^2+(91.2-92.25)^2+(83.2-83.2)^2+(86.2-86)^2+(90.5-90.5)^2+(97.75-97.75)^2+(86.9-85.05)^2+(85.5-85.5)^2+(88.2-88.2)^2+(83-84.25)^2+(87.1-89.1)^2)$$

$$= 18.449$$

Proses Perhitungan Data Euclidean Distance ke-3

$$(d) = \text{SQRT}((96.25-90.4)^2+(94.55-95.05)^2+(83.35-83.1)^2+(96.8-92.75)^2+(88.5-85.45)^2+(63.45-70.6)^2+(84.65-87.05)^2+(92.25-91.55)^2+(96.15-82.3)^2+(94-93.8)^2+(89.45-90.4)^2+(81.25-72.5)^2+(86.6-95)^2+(90.45-86.5)^2+(75.45-79.95)^2+(98.1-85.7)^2+(88-89.75)^2+(93.45-92.2)^2+(95.55-97.9)^2+(98-97.5)^2+(87.65-78.75)^2+(80.6-81)^2+(89.95-92.25)^2+(82.15-83.2)^2+(85.15-86)^2+(90.5-90.5)^2+(94.7-97.75)^2+(87.95-85.05)^2+(85.85-85.5)^2+(86.75-88.2)^2+(84.25-84.25)^2+(86.6-89.1)^2)$$

$$= 27.752$$

Proses Perhitungan Data Euclidean Distance ke-4

$$(d) = \text{SQRT}((92.55-90.4)^2+(90.15-95.05)^2+(85.7-83.1)^2+(94.5-92.75)^2+(89.5-85.45)^2+(85.65-70.6)^2+(86-87.05)^2+(91.95-91.55)^2+(88.95-82.3)^2+(94.3-93.8)^2+(90.75-90.4)^2+(82-72.5)^2+(96.75-95)^2+(90.25-86.5)^2+(79.95-79.95)^2+(91.8-85.7)^2+(80.9-89.75)^2+(96.5-92.2)^2+(98.95-97.9)^2+(97.75-$$

$$97.5)^2+(90.5-78.75)^2+(83.45-81)^2+(91-92.25)^2+(83.2-83.2)^2+(87.25-86)^2+(90.5-90.5)^2+(86.5-97.75)^2+(87.75-85.05)^2+(86.8-85.5)^2+(89.25-88.2)^2+(84.25-84.25)^2+(89.4-89.1)^2)$$

$$= 29.218$$

Proses Perhitungan Data Euclidean Distance ke-5

$$(d) = \text{SQRT}((91.65-90.4)^2+(90.75-95.05)^2+(83.4-83.1)^2+(90.25-92.75)^2+(97-85.45)^2+(85-70.6)^2+(85.5-87.05)^2+(92.95-91.55)^2+(92.7-82.3)^2+(90-93.8)^2+(89.25-90.4)^2+(73.95-72.5)^2+(94-95)^2+(86.5-86.5)^2+(81.25-79.95)^2+(93.9-85.7)^2+(91.5-89.75)^2+(98.75-92.2)^2+(98.95-97.9)^2+(97.5-97.5)^2+(90.5-78.75)^2+(92.7-81)^2+(98.5-92.25)^2+(89.35-83.2)^2+(89.75-86)^2+(90.5-90.5)^2+(86.5-97.75)^2+(87.05-85.05)^2+(85.5-85.5)^2+(89.25-88.2)^2+(83-84.25)^2+(89.3-89.1)^2)$$

$$= 33.372$$

Proses Perhitungan Data Euclidean Distance ke-6

$$(d) = \text{SQRT}((86.75-90.4)^2+(90.45-95.05)^2+(82.95-83.1)^2+(99.25-92.75)^2+(92-85.45)^2+(86.75-70.6)^2+(85.9-87.05)^2+(83.2-91.55)^2+(92.65-82.3)^2+(88.1-93.8)^2+(89.75-90.4)^2+(81.5-72.5)^2+(96.75-95)^2+(85.45-86.5)^2+(78.25-79.95)^2+(92.35-85.7)^2+(89.5-89.75)^2+(97.7-92.2)^2+(98.95-97.9)^2+(98-97.5)^2+(90.5-78.75)^2+(94.2-81)^2+(95.75-92.25)^2+(89.35-83.2)^2+(88.25-86)^2+(90.5-90.5)^2+(87-97.75)^2+(87.75-85.05)^2+(86.55-85.5)^2+(89.25-88.2)^2+(84.25-84.25)^2+(89.1-89.1)^2)$$

$$= 35.327$$

Proses Perhitungan Data Euclidean Distance ke-7

$$(d) = \text{SQRT}((86.5-90.4)^2+(91.5-95.05)^2+(81.8-83.1)^2+(95-92.75)^2+(89.9-85.45)^2+(86.75-70.6)^2+(85.4-87.05)^2+(85.5-91.55)^2+(93.4-82.3)^2+(88.25-93.8)^2+(85.55-90.4)^2+(89-72.5)^2+(96.45-95)^2+(86.5-86.5)^2+(74.25-79.95)^2+(94.25-85.7)^2+(91.5-89.75)^2+(98.75-92.2)^2+(96.7-97.9)^2+(86.35-97.5)^2+(82.75-78.75)^2+(97.5-81)^2+(96-92.25)^2+(88.75-83.2)^2+(75.65-86)^2+(91.5-90.5)^2+(93.75-97.75)^2+(88.35-85.05)^2+(86.25-85.5)^2+(88.5-88.2)^2+(85-84.25)^2+(90.7-89.1)^2)$$

$$= 39.441$$

Proses Perhitungan Data Euclidean Distance ke-8

$$(d) = \text{SQRT}((85.5-90.4)^2+(80.9-95.05)^2+(81.55-83.1)^2+(82.95-92.75)^2+(88.9-85.45)^2+(86.5-70.6)^2+(85.95-87.05)^2+(81.95-91.55)^2+(80.25-82.3)^2+(84.4-93.8)^2+(86.7-90.4)^2+(66.45-$$

$$72.5)^2+(92.2-95)^2+(86.5-86.5)^2+(73.75-79.95)^2+(78.5-85.7)^2+(88.5-89.75)^2+(94.25-92.2)^2+(80.2-97.9)^2+(94-97.5)^2+(72.15-78.75)^2+(81.9-81)^2+(97.45-92.25)^2+(89.35-83.2)^2+(76.15-86)^2+(90.5-90.5)^2+(88.2-97.75)^2+(86.4-85.05)^2+(85.5-85.5)^2+(96.45-88.2)^2+(84.25-84.25)^2+(86.05-89.1)^2$$

$$= 40.369$$

Proses Perhitungan Data Euclidean Distance ke-9

$$(d) = \text{SQRT}((84.75-90.4)^2+(89-95.05)^2+(81.6-83.1)^2+(93.95-92.75)^2+(91-85.45)^2+(85-70.6)^2+(87-87.05)^2+(79.25-91.55)^2+(88.9-82.3)^2+(81.2-93.8)^2+(83.1-90.4)^2+(92.7-72.5)^2+(95.4-95)^2+(90-86.5)^2+(89.9-79.95)^2+(85.9-85.7)^2+(77.1-89.75)^2+(87.1-92.2)^2+(86-97.9)^2+(90.7-97.5)^2+(85.75-78.75)^2+(84.5-81)^2+(90.45-92.25)^2+(88-83.2)^2+(85.5-86)^2+(87.95-90.5)^2+(87.6-97.75)^2+(85.2-85.05)^2+(89.4-85.5)^2+(85.95-88.2)^2+(83.2-84.25)^2+(86.65-89.1)^2)$$

$$= 42.841$$

Proses Perhitungan Data Euclidean Distance ke-10

$$(d) = \text{SQRT}((88.5-90.4)^2+(85.5-95.05)^2+(83.45-83.1)^2+(85.25-92.75)^2+(90-85.45)^2+(86.75-70.6)^2+(83.45-87.05)^2+(81-91.55)^2+(80.55-82.3)^2+(69.95-93.8)^2+(82.25-90.4)^2+(64.5-72.5)^2+(92.25-95)^2+(86.5-86.5)^2+(70.45-79.95)^2+(76.5-85.7)^2+(80.9-89.75)^2+(78.25-92.2)^2+(94.5-97.9)^2+(91.75-97.5)^2+(74.25-78.75)^2+(73.5-81)^2+(95.75-92.25)^2+(80.5-83.2)^2+(81.25-86)^2+(89.55-90.5)^2+(98.95-97.75)^2+(83.75-85.05)^2+(84.5-85.5)^2+(88.2-88.2)^2+(84.25-84.25)^2+(88.8-89.1)^2)$$

$$= 43.394$$

Proses Perhitungan Data Euclidean Distance ke-11

$$(d) = \text{SQRT}((88-90.4)^2+(76.5-95.05)^2+(77.95-83.1)^2+(91-92.75)^2+(71.2-85.45)^2+(82.45-70.6)^2+(83.9-87.05)^2+(87.6-91.55)^2+(86.65-82.3)^2+(86.45-93.8)^2+(83.25-90.4)^2+(90.25-72.5)^2+(92.2-95)^2+(86.5-86.5)^2+(86.5-79.95)^2+(82.05-85.7)^2+(70.5-89.75)^2+(91-92.2)^2+(90.35-97.9)^2+(90.5-97.5)^2+(79.5-78.75)^2+(72.5-81)^2+(92.75-92.25)^2+(85.9-83.2)^2+(82.5-86)^2+(87.45-90.5)^2+(94.7-97.75)^2+(86-85.05)^2+(83.35-85.5)^2+(95.45-88.2)^2+(83-84.25)^2+(88.1-89.1)^2)$$

$$= 43.606$$

Proses Perhitungan Data Euclidean Distance ke-12

$$(d) = \text{SQRT}((87.2-90.4)^2+(94.7-95.05)^2+(85.7-83.1)^2+(91.1-92.75)^2+(92.5-85.45)^2+(80.05-70.6)^2+(85.5-87.05)^2+(89.4-91.55)^2+(85.15-$$

$$82.3)^2+(83.5-93.8)^2+(89.85-90.4)^2+(93.75-72.5)^2+(95-95)^2+(86.65-86.5)^2+(98-79.95)^2+(80.4-85.7)^2+(75.1-89.75)^2+(95.25-92.2)^2+(88-97.9)^2+(86.75-97.5)^2+(89.75-78.75)^2+(89.65-81)^2+(97.25-92.25)^2+(89.35-83.2)^2+(91.5-86)^2+(90.5-90.5)^2+(86.95-97.75)^2+(83.6-85.05)^2+(85.75-85.5)^2+(94-88.2)^2+(83-84.25)^2+(87.25-89.1)^2$$

$$= 44.381$$

Proses Perhitungan Data Euclidean Distance ke-13

$$(d) = \text{SQRT}((88.7-90.4)^2+(89.4-95.05)^2+(88.65-83.1)^2+(90.5-92.75)^2+(89.85-85.45)^2+(81.48-70.6)^2+(83.05-87.05)^2+(86.75-91.55)^2+(97.05-82.3)^2+(82.1-93.8)^2+(84.3-90.4)^2+(87.1-72.5)^2+(84.2-95)^2+(86.5-86.5)^2+(72.35-79.95)^2+(89.3-85.7)^2+(75.45-89.75)^2+(91.95-92.2)^2+(96.08-97.9)^2+(87.8-97.5)^2+(77-78.75)^2+(89.7-81)^2+(98.5-92.25)^2+(80.85-83.2)^2+(69.15-86)^2+(87.95-90.5)^2+(86.7-97.75)^2+(86.85-85.05)^2+(94.45-85.5)^2+(98.5-88.2)^2+(84.65-84.25)^2+(89.85-89.1)^2)$$

$$= 45.471$$

Proses Perhitungan Data Euclidean Distance ke-14

$$(d) = \text{SQRT}((80-90.4)^2+(91.5-95.05)^2+(84.85-83.1)^2+(92.75-92.75)^2+(92.5-85.45)^2+(88.95-70.6)^2+(84.7-87.05)^2+(89.6-91.55)^2+(85.55-82.3)^2+(74.2-93.8)^2+(86.85-90.4)^2+(90.25-72.5)^2+(91.5-95)^2+(91.5-86.5)^2+(85.1-79.95)^2+(89.65-85.7)^2+(79.1-89.75)^2+(86.25-92.2)^2+(95.8-97.9)^2+(91.5-97.5)^2+(74.25-78.75)^2+(93.25-81)^2+(87.65-92.25)^2+(81.75-83.2)^2+(82.95-86)^2+(93.25-90.5)^2+(100-97.75)^2+(94.75-85.05)^2+(96.55-85.5)^2+(100-88.2)^2+(86-84.25)^2+(91.2-89.1)^2)$$

$$= 45.705$$

Proses Perhitungan Data Euclidean Distance ke-15

$$(d) = \text{SQRT}((87.75-90.4)^2+(87.5-95.05)^2+(91.2-83.1)^2+(70.19-92.75)^2+(82.5-85.45)^2+(77.7-70.6)^2+(83.2-87.05)^2+(84.25-91.55)^2+(83.3-82.3)^2+(92.45-93.8)^2+(88.9-90.4)^2+(87.5-72.5)^2+(80-95)^2+(89.4-86.5)^2+(84.25-79.95)^2+(82.3-85.7)^2+(83-89.75)^2+(80.65-92.2)^2+(87.02-97.9)^2+(85.2-97.5)^2+(78.45-78.75)^2+(85.95-81)^2+(89.2-92.25)^2+(87.4-83.2)^2+(83.95-86)^2+(85.5-90.5)^2+(89.75-97.75)^2+(81.75-85.05)^2+(72.9-85.5)^2+(88.1-88.2)^2+(75.2-84.25)^2+(86.2-89.1)^2)$$

$$= 45.964$$

Proses Perhitungan Data Euclidean Distance ke-16

$$\begin{aligned}
 \text{(d)} &= \text{SQRT}((77.7-90.4)^2+(74-95.05)^2+(81-83.1)^2+(92.75-92.75)^2+(79.45- \\
 &85.45)^2+(76.55-70.6)^2+(85.5-87.05)^2+(79.25-91.55)^2+(73.35- \\
 &82.3)^2+(80.95-93.8)^2+(83.1-90.4)^2+(70-72.5)^2+(82.7-95)^2+(83.35- \\
 &86.5)^2+(71.2-79.95)^2+(74.2-85.7)^2+(89.75-89.75)^2+(80- \\
 &92.2)^2+(79.85-97.9)^2+(93.75-97.5)^2+(74.5-78.75)^2+(75.4- \\
 &81)^2+(92.25-92.25)^2+(83.95-83.2)^2+(79.5-86)^2+(90.5-90.5)^2+(92.25- \\
 &97.75)^2+(84.7-85.05)^2+(83-85.5)^2+(94.25-88.2)^2+(84.25- \\
 &84.25)^2+(87.85-89.1)^2) \\
 &= 46.523
 \end{aligned}$$

Proses Perhitungan Data Euclidean Distance ke-17

$$\begin{aligned}
 \text{(d)} &= \text{SQRT}((87.2-90.4)^2+(92.9-95.05)^2+(79.35-83.1)^2+(82-92.75)^2+(89.5- \\
 &85.45)^2+(67.55-70.6)^2+(85.1-87.05)^2+(90.45-91.55)^2+(90.15- \\
 &82.3)^2+(83.5-93.8)^2+(87.55-90.4)^2+(93.75-72.5)^2+(81-95)^2+(86.5- \\
 &86.5)^2+(89-79.95)^2+(87.8-85.7)^2+(73.4-89.75)^2+(89.25-92.2)^2+(92- \\
 &97.9)^2+(81.45-97.5)^2+(80.5-78.75)^2+(91.8-81)^2+(88.5- \\
 &92.25)^2+(83.5-83.2)^2+(69.4-86)^2+(85.4-90.5)^2+(95-97.75)^2+(87.1- \\
 &85.05)^2+(95.45-85.5)^2+(93.55-88.2)^2+(86.75-84.25)^2+(83.15-89.1)^2) \\
 &= 47.643
 \end{aligned}$$

Proses Perhitungan Data Euclidean Distance ke-18

$$\begin{aligned}
 \text{(d)} &= \text{SQRT}((89.2-90.4)^2+(89.4-95.05)^2+(89.35-83.1)^2+(93.5- \\
 &92.75)^2+(90.4-85.45)^2+(95.3-70.6)^2+(86.95-87.05)^2+(84.35- \\
 &91.55)^2+(86.6-82.3)^2+(75.8-93.8)^2+(85.35-90.4)^2+(90.45- \\
 &72.5)^2+(96.95-95)^2+(85.65-86.5)^2+(92.9-79.95)^2+(84.1- \\
 &85.7)^2+(77.45-89.75)^2+(96.5-92.2)^2+(96.5-97.9)^2+(99.5- \\
 &97.5)^2+(77.9-78.75)^2+(93-81)^2+(94.7-92.25)^2+(84.1-83.2)^2+(89.55- \\
 &86)^2+(87.6-90.5)^2+(89.2-97.75)^2+(87.45-85.05)^2+(96.05- \\
 &85.5)^2+(98.5-88.2)^2+(88-84.25)^2+(93.6-89.1)^2) \\
 &= 47.992
 \end{aligned}$$

Proses Perhitungan Data Euclidean Distance ke-19

$$\begin{aligned}
 \text{(d)} &= \text{SQRT}((84.75-90.4)^2+(91.5-95.05)^2+(82.15-83.1)^2+(91.5- \\
 &92.75)^2+(91-85.45)^2+(86.5-70.6)^2+(83.85-87.05)^2+(79.25- \\
 &91.55)^2+(91.7-82.3)^2+(73.45-93.8)^2+(84.25-90.4)^2+(88.5- \\
 &72.5)^2+(96.5-95)^2+(86.5-86.5)^2+(79.45-79.95)^2+(84.75-85.7)^2+(81- \\
 &89.75)^2+(84.5-92.2)^2+(84.63-97.9)^2+(85.75-97.5)^2+(85- \\
 &78.75)^2+(97.5-81)^2+(93.5-92.25)^2+(86.5-83.2)^2+(68.5-86)^2+(87.75- \\
 &90.5)^2+(93.75-97.75)^2+(87.1-85.05)^2+(86-85.5)^2+(89.25-88.2)^2+(88- \\
 &84.25)^2+(81.8-89.1)^2) \\
 &= 49.682
 \end{aligned}$$

Proses Perhitungan Data Euclidean Distance ke-20

$$(d) = \text{SQRT}((86.5-90.4)^2+(91.5-95.05)^2+(81.1-83.1)^2+(90.3-92.75)^2+(90-85.45)^2+(86.75-70.6)^2+(85.05-87.05)^2+(84.25-91.55)^2+(88.7-82.3)^2+(87.7-93.8)^2+(84.6-90.4)^2+(92.7-72.5)^2+(82.95-95)^2+(84.9-86.5)^2+(88.95-79.95)^2+(83.4-85.7)^2+(76.35-89.75)^2+(93.5-92.2)^2+(88.63-97.9)^2+(84.9-97.5)^2+(72.75-78.75)^2+(90.45-81)^2+(81.75-92.25)^2+(85.75-83.2)^2+(66.35-86)^2+(87.75-90.5)^2+(91.25-97.75)^2+(83.5-85.05)^2+(95.45-85.5)^2+(98.95-88.2)^2+(83.75-84.25)^2+(84.8-89.1)^2)$$

$$= 49.701$$

Proses Perhitungan Data Euclidean Distance ke-21

$$(d) = \text{SQRT}((86.5-90.4)^2+(81.6-95.05)^2+(83.05-83.1)^2+(98.75-92.75)^2+(88.95-85.45)^2+(87.45-70.6)^2+(85.2-87.05)^2+(92.55-91.55)^2+(88.95-82.3)^2+(88.2-93.8)^2+(85.4-90.4)^2+(91.65-72.5)^2+(97.5-95)^2+(91.65-86.5)^2+(91.95-79.95)^2+(88.05-85.7)^2+(70.45-89.75)^2+(93.5-92.2)^2+(99.63-97.9)^2+(89.45-97.5)^2+(85-78.75)^2+(95.2-81)^2+(88.2-92.25)^2+(88-83.2)^2+(62.65-86)^2+(90.25-90.5)^2+(93.7-97.75)^2+(86-85.05)^2+(86.15-85.5)^2+(97.05-88.2)^2+(84.65-84.25)^2+(84.85-89.1)^2)$$

$$= 50.636$$

Proses Perhitungan Data Euclidean Distance ke-22

$$(d) = \text{SQRT}((84.75-90.4)^2+(86.5-95.05)^2+(82.85-83.1)^2+(80.5-92.75)^2+(84-85.45)^2+(87.25-70.6)^2+(84-87.05)^2+(82.25-91.55)^2+(75.25-82.3)^2+(78.2-93.8)^2+(80.8-90.4)^2+(93.75-72.5)^2+(86.5-95)^2+(85.45-86.5)^2+(88.95-79.95)^2+(78.5-85.7)^2+(77.1-89.75)^2+(90.7-92.2)^2+(79.3-97.9)^2+(92.5-97.5)^2+(77.75-78.75)^2+(82.25-81)^2+(95.75-92.25)^2+(78.4-83.2)^2+(70.7-86)^2+(89.85-90.5)^2+(89.7-97.75)^2+(85.5-85.05)^2+(83.25-85.5)^2+(92.95-88.2)^2+(83-84.25)^2+(87.75-89.1)^2)$$

$$= 50.743$$

Proses Perhitungan Data Euclidean Distance ke-23

$$(d) = \text{SQRT}((88.5-90.4)^2+(76.5-95.05)^2+(84.25-83.1)^2+(90.25-92.75)^2+(92.5-85.45)^2+(95.6-70.6)^2+(88.05-87.05)^2+(91.25-91.55)^2+(95.05-82.3)^2+(73.9-93.8)^2+(87.05-90.4)^2+(86.25-72.5)^2+(91-95)^2+(86.5-86.5)^2+(75.25-79.95)^2+(97.85-85.7)^2+(79-89.75)^2+(86.25-92.2)^2+(89.95-97.9)^2+(90-97.5)^2+(69.25-78.75)^2+(92.5-81)^2+(88.2-92.25)^2+(83.75-83.2)^2+(84.2-86)^2+(87-90.5)^2+(99-97.75)^2+(84.75-85.05)^2+(96.55-85.5)^2+(96.5-88.2)^2+(84.75-84.25)^2+(96.15-89.1)^2)$$

$$= 52.377$$

Proses Perhitungan Data Euclidean Distance ke-24

$$(d) = \text{SQRT}((75.2-90.4)^2+(90.95-95.05)^2+(85-83.1)^2+(75.75-92.75)^2+(66.5-85.45)^2+(63.9-70.6)^2+(83.2-87.05)^2+(90.8-91.55)^2+(81.2-82.3)^2+(84.5-93.8)^2+(84.6-90.4)^2+(70-72.5)^2+(72.2-95)^2+(85.45-86.5)^2+(69.95-79.95)^2+(79.95-85.7)^2+(89.25-89.75)^2+(80-92.2)^2+(79.1-97.9)^2+(96-97.5)^2+(77-78.75)^2+(68.9-81)^2+(88.5-92.25)^2+(72.4-83.2)^2+(77-86)^2+(88-90.5)^2+(91.25-97.75)^2+(81.75-85.05)^2+(84.25-85.5)^2+(96.75-88.2)^2+(83-84.25)^2+(88.35-89.1)^2)$$

$$= 52.379$$

Proses Perhitungan Data Euclidean Distance ke-25

$$(d) = \text{SQRT}((90.89-90.4)^2+(74.1-95.05)^2+(93-83.1)^2+(76.63-92.75)^2+(85.5-85.45)^2+(81.25-70.6)^2+(81.1-87.05)^2+(87.55-91.55)^2+(87.8-82.3)^2+(95.45-93.8)^2+(85.2-90.4)^2+(77.6-72.5)^2+(80.45-95)^2+(88.5-86.5)^2+(61.85-79.95)^2+(87.85-85.7)^2+(84.1-89.75)^2+(80.35-92.2)^2+(75.85-97.9)^2+(83.75-97.5)^2+(74-78.75)^2+(86.1-81)^2+(93.45-92.25)^2+(79.95-83.2)^2+(79.8-86)^2+(85.55-90.5)^2+(83.75-97.75)^2+(93.3-85.05)^2+(80.7-85.5)^2+(87.9-88.2)^2+(88.08-84.25)^2+(87.4-89.1)^2)$$

$$= 53.588$$

Proses Perhitungan Data Euclidean Distance ke-26

$$(d) = \text{SQRT}((86.95-90.4)^2+(91.5-95.05)^2+(82.55-83.1)^2+(95.75-92.75)^2+(92.2-85.45)^2+(97.95-70.6)^2+(85.15-87.05)^2+(87.9-91.55)^2+(89.45-82.3)^2+(89.45-93.8)^2+(88.05-90.4)^2+(93.75-72.5)^2+(89-95)^2+(89-86.5)^2+(96.5-79.95)^2+(93.55-85.7)^2+(69.55-89.75)^2+(95.25-92.2)^2+(96.03-97.9)^2+(96.9-97.5)^2+(72-78.75)^2+(91.45-81)^2+(83.25-92.25)^2+(87.75-83.2)^2+(77.3-86)^2+(87.2-90.5)^2+(87.75-97.75)^2+(84.25-85.05)^2+(96.55-85.5)^2+(100-88.2)^2+(86.95-84.25)^2+(88-89.1)^2)$$

$$= 53.703$$

Proses Perhitungan Data Euclidean Distance ke-27

$$(d) = \text{SQRT}((83.7-90.4)^2+(92-95.05)^2+(83.4-83.1)^2+(80.1-92.75)^2+(49.25-85.45)^2+(86.7-70.6)^2+(86.4-87.05)^2+(81.25-91.55)^2+(80.25-82.3)^2+(84.95-93.8)^2+(81.3-90.4)^2+(64.45-72.5)^2+(85.15-95)^2+(84.4-86.5)^2+(81.45-79.95)^2+(78.15-85.7)^2+(91.5-89.75)^2+(81-92.2)^2+(88.88-97.9)^2+(84.5-97.5)^2+(71.25-78.75)^2+(83-81)^2+(89.15-92.25)^2+(82.25-83.2)^2+(70.15-86)^2+(87.15-90.5)^2+(98.95-$$

$$97.75)^2+(83-85.05)^2+(84.65-85.5)^2+(95.45-88.2)^2+(84.25-84.25)^2+(88.3-89.1)^2)$$

$$= 55.253$$

Proses Perhitungan Data Euclidean Distance ke-28

$$(d) = \text{SQRT}((77.5-90.4)^2+(71-95.05)^2+(83.65-83.1)^2+(79-92.75)^2+(68.5-85.45)^2+(50.05-70.6)^2+(81.7-87.05)^2+(86-91.55)^2+(77.15-82.3)^2+(82.55-93.8)^2+(87.55-90.4)^2+(70-72.5)^2+(82-95)^2+(86.5-86.5)^2+(69.95-79.95)^2+(78.85-85.7)^2+(88-89.75)^2+(85-92.2)^2+(76.3-97.9)^2+(90-97.5)^2+(75-78.75)^2+(71.25-81)^2+(94.5-92.25)^2+(83-83.2)^2+(72.5-86)^2+(87.75-90.5)^2+(97.7-97.75)^2+(86.25-85.05)^2+(84.75-85.5)^2+(92.95-88.2)^2+(85.5-84.25)^2+(87.95-89.1)^2)$$

$$= 55.640$$

Proses Perhitungan Data Euclidean Distance ke-29

$$(d) = \text{SQRT}((76.95-90.4)^2+(79-95.05)^2+(80.55-83.1)^2+(92.75-92.75)^2+(78.95-85.45)^2+(83.35-70.6)^2+(83.5-87.05)^2+(90.45-91.55)^2+(74.4-82.3)^2+(87.5-93.8)^2+(81.7-90.4)^2+(67.95-72.5)^2+(83.25-95)^2+(89.8-86.5)^2+(75.7-79.95)^2+(77.05-85.7)^2+(69.1-89.75)^2+(69.45-92.2)^2+(77.8-97.9)^2+(87.9-97.5)^2+(67.5-78.75)^2+(64.5-81)^2+(93.65-92.25)^2+(79.45-83.2)^2+(74.95-86)^2+(88.25-90.5)^2+(91.05-97.75)^2+(83-85.05)^2+(84.05-85.5)^2+(92.95-88.2)^2+(81.95-84.25)^2+(87-89.1)^2)$$

$$= 56.299$$

Proses Perhitungan Data Euclidean Distance ke-30

$$(d) = \text{SQRT}((85.15-90.4)^2+(84.25-95.05)^2+(82.55-83.1)^2+(78.51-92.75)^2+(86.25-85.45)^2+(80.35-70.6)^2+(85.45-87.05)^2+(87.9-91.55)^2+(82.7-82.3)^2+(86.35-93.8)^2+(97.5-90.4)^2+(84.95-72.5)^2+(66.5-95)^2+(89-86.5)^2+(75.3-79.95)^2+(88.2-85.7)^2+(83-89.75)^2+(81.5-92.2)^2+(76.95-97.9)^2+(82.25-97.5)^2+(60.5-78.75)^2+(86.5-81)^2+(82.8-92.25)^2+(85.4-83.2)^2+(80.3-86)^2+(88.5-90.5)^2+(82.7-97.75)^2+(87.25-85.05)^2+(82-85.5)^2+(86.3-88.2)^2+(80.05-84.25)^2+(78.25-89.1)^2)$$

$$= 57.222$$

Proses Perhitungan Data Euclidean Distance ke-31

$$(d) = \text{SQRT}((83.85-90.4)^2+(74.1-95.05)^2+(93-83.1)^2+(74.65-92.75)^2+(82-85.45)^2+(77.35-70.6)^2+(82.25-87.05)^2+(87.8-91.55)^2+(89.25-82.3)^2+(95.45-93.8)^2+(81.95-90.4)^2+(83.9-72.5)^2+(69.95-95)^2+(89-86.5)^2+(57.93-79.95)^2+(87.2-85.7)^2+(79.7-89.75)^2+(80.2-92.2)^2+(77.95-97.9)^2+(95.3-97.5)^2+(76.1-78.75)^2+(88.35-$$

$$81)^2+(93.4-92.25)^2+(79.95-83.2)^2+(83-86)^2+(83.95-90.5)^2+(83.5-97.75)^2+(93.3-85.05)^2+(85.85-85.5)^2+(88.5-88.2)^2+(82.78-84.25)^2+(87.4-89.1)^2)$$

$$= 58.518$$

Proses Perhitungan Data Euclidean Distance ke-32

$$(d) = \text{SQRT}((83.75-90.4)^2+(93.45-95.05)^2+(82.65-83.1)^2+(94-92.75)^2+(50.5-85.45)^2+(81.2-70.6)^2+(86.55-87.05)^2+(81.25-91.55)^2+(88.2-82.3)^2+(76.35-93.8)^2+(84.8-90.4)^2+(83.25-72.5)^2+(85-95)^2+(90.5-86.5)^2+(66.5-79.95)^2+(89.85-85.7)^2+(72.75-89.75)^2+(86.25-92.2)^2+(89.88-97.9)^2+(83.45-97.5)^2+(65.95-78.75)^2+(93.25-81)^2+(86.95-92.25)^2+(89.75-83.2)^2+(84-86)^2+(83.75-90.5)^2+(97.75-97.75)^2+(85.25-85.05)^2+(95-85.5)^2+(93.55-88.2)^2+(86-84.25)^2+(89.7-89.1)^2)$$

$$= 58.584$$

Proses Perhitungan Data Euclidean Distance ke-33

$$(d) = \text{SQRT}((80.5-90.4)^2+(74-95.05)^2+(77.9-83.1)^2+(87.75-92.75)^2+(79.5-85.45)^2+(90.1-70.6)^2+(84.4-87.05)^2+(89.5-91.55)^2+(78.85-82.3)^2+(71.45-93.8)^2+(86.1-90.4)^2+(80.95-72.5)^2+(73-95)^2+(85.45-86.5)^2+(66.5-79.95)^2+(81.2-85.7)^2+(73.25-89.75)^2+(86.25-92.2)^2+(85.58-97.9)^2+(84.25-97.5)^2+(69.25-78.75)^2+(92.5-81)^2+(86.85-92.25)^2+(84.25-83.2)^2+(80.5-86)^2+(87.25-90.5)^2+(97.75-97.75)^2+(83-85.05)^2+(96.15-85.5)^2+(94-88.2)^2+(84.75-84.25)^2+(82.2-89.1)^2)$$

$$= 58.611$$

Proses Perhitungan Data Euclidean Distance ke-34

$$(d) = \text{SQRT}((77.9-90.4)^2+(87.7-95.05)^2+(85.85-83.1)^2+(66.76-92.75)^2+(94.38-85.45)^2+(86.7-70.6)^2+(89.75-87.05)^2+(76.5-91.55)^2+(82.05-82.3)^2+(69.25-93.8)^2+(86.5-90.4)^2+(81.5-72.5)^2+(85.45-95)^2+(85.85-86.5)^2+(78.5-79.95)^2+(78.25-85.7)^2+(91.2-89.75)^2+(74.45-92.2)^2+(94.9-97.9)^2+(78.76-97.5)^2+(70.95-78.75)^2+(85.7-81)^2+(90.1-92.25)^2+(81.9-83.2)^2+(89.5-86)^2+(85.25-90.5)^2+(86.75-97.75)^2+(91.5-85.05)^2+(77.5-85.5)^2+(78.75-88.2)^2+(83.15-84.25)^2+(89.95-89.1)^2)$$

$$= 58.639$$

Proses Perhitungan Data Euclidean Distance ke-35

$$(d) = \text{SQRT}((84.75-90.4)^2+(67-95.05)^2+(82.95-83.1)^2+(91-92.75)^2+(80.5-85.45)^2+(85.75-70.6)^2+(84.85-87.05)^2+(81.75-91.55)^2+(81.35-82.3)^2+(82.95-93.8)^2+(78.6-90.4)^2+(93.75-72.5)^2+(92.75-95)^2+(88-$$

$$86.5)^2+(91.75-79.95)^2+(81.3-85.7)^2+(69.05-89.75)^2+(88.45-92.2)^2+(89.35-97.9)^2+(81.6-97.5)^2+(77.5-78.75)^2+(85.45-81)^2+(94.7-92.25)^2+(81.75-83.2)^2+(68.25-86)^2+(84.9-90.5)^2+(90.5-97.75)^2+(85.35-85.05)^2+(92-85.5)^2+(97.5-88.2)^2+(82.2-84.25)^2+(77.05-89.1)^2$$

$$= 59.390$$

Proses Perhitungan Data Euclidean Distance ke-36

$$(d) = \text{SQRT}((80.05-90.4)^2+(86.25-95.05)^2+(83.5-83.1)^2+(77.7-92.75)^2+(88.25-85.45)^2+(79-70.6)^2+(85.2-87.05)^2+(71.25-91.55)^2+(86.9-82.3)^2+(71.8-93.8)^2+(86.25-90.4)^2+(79.75-72.5)^2+(82.3-95)^2+(80.75-86.5)^2+(67.75-79.95)^2+(80-85.7)^2+(87.15-89.75)^2+(75.45-92.2)^2+(94.7-97.9)^2+(78.18-97.5)^2+(72.7-78.75)^2+(85-81)^2+(89.4-92.25)^2+(70.75-83.2)^2+(85.25-86)^2+(82.65-90.5)^2+(77.5-97.75)^2+(91.5-85.05)^2+(73.7-85.5)^2+(77-88.2)^2+(77.25-84.25)^2+(85.2-89.1)^2)$$

$$= 59.875$$

Proses Perhitungan Data Euclidean Distance ke-37

$$(d) = \text{SQRT}((84.75-90.4)^2+(91.5-95.05)^2+(81.9-83.1)^2+(95.25-92.75)^2+(91-85.45)^2+(86.75-70.6)^2+(85.2-87.05)^2+(82.25-91.55)^2+(87.05-82.3)^2+(71.4-93.8)^2+(87.1-90.4)^2+(96.2-72.5)^2+(99.5-95)^2+(85.45-86.5)^2+(80.95-79.95)^2+(83.35-85.7)^2+(74.95-89.75)^2+(88.25-92.2)^2+(76-97.9)^2+(79.95-97.5)^2+(95-78.75)^2+(89.45-81)^2+(93.5-92.25)^2+(84.5-83.2)^2+(70.5-86)^2+(92.75-90.5)^2+(82.25-97.75)^2+(89.05-85.05)^2+(91.05-85.5)^2+(97.05-88.2)^2+(88-84.25)^2+(77.4-89.1)^2)$$

$$= 60.672$$

Proses Perhitungan Data Euclidean Distance ke-38

$$(d) = \text{SQRT}((83-90.4)^2+(76.5-95.05)^2+(82.6-83.1)^2+(86.5-92.75)^2+(90.95-85.45)^2+(73.85-70.6)^2+(82.8-87.05)^2+(91.85-91.55)^2+(64.95-82.3)^2+(63.55-93.8)^2+(82.35-90.4)^2+(74.5-72.5)^2+(77.15-95)^2+(86.85-86.5)^2+(66.85-79.95)^2+(71.75-85.7)^2+(65.5-89.75)^2+(91.5-92.2)^2+(84.75-97.9)^2+(90-97.5)^2+(69-78.75)^2+(90.5-81)^2+(82.25-92.25)^2+(80.7-83.2)^2+(69.7-86)^2+(84.95-90.5)^2+(92.3-97.75)^2+(83-85.05)^2+(84.3-85.5)^2+(92.55-88.2)^2+(83-84.25)^2+(86.8-89.1)^2)$$

$$= 62.721$$

Proses Perhitungan Data Euclidean Distance ke-39

$$(d) = \text{SQRT}((83.1-90.4)^2+(90.75-95.05)^2+(87.3-83.1)^2+(74.28-92.75)^2+(77.75-85.45)^2+(89-70.6)^2+(85.25-87.05)^2+(79.75-91.55)^2+(85.05-82.3)^2+(68.3-93.8)^2+(89-90.4)^2+(54.95-72.5)^2+(80.9-95)^2+(83.75-86.5)^2+(67.28-79.95)^2+(78.75-85.7)^2+(90.35-89.75)^2+(68.45-92.2)^2+(84.65-97.9)^2+(77.59-97.5)^2+(71.6-78.75)^2+(92-81)^2+(90.25-92.25)^2+(67.7-83.2)^2+(86.7-86)^2+(84.2-90.5)^2+(95-97.75)^2+(91.5-85.05)^2+(82.4-85.5)^2+(91.5-88.2)^2+(80.8-84.25)^2+(92.2-89.1)^2)$$

$$= 63.545$$

Proses Perhitungan Data Euclidean Distance ke-40

$$(d) = \text{SQRT}((88-90.4)^2+(83-95.05)^2+(81.65-83.1)^2+(80.2-92.75)^2+(80.5-85.45)^2+(82.25-70.6)^2+(80.4-87.05)^2+(83-91.55)^2+(80.15-82.3)^2+(85.4-93.8)^2+(79.2-90.4)^2+(93.75-72.5)^2+(75.75-95)^2+(85.4-86.5)^2+(93.75-79.95)^2+(77.65-85.7)^2+(76.85-89.75)^2+(85.75-92.2)^2+(73.68-97.9)^2+(81.7-97.5)^2+(81-78.75)^2+(91.5-81)^2+(75.45-92.25)^2+(82.25-83.2)^2+(63.75-86)^2+(88.9-90.5)^2+(93-97.75)^2+(84-85.05)^2+(90-85.5)^2+(97.05-88.2)^2+(85.5-84.25)^2+(77.65-89.1)^2)$$

$$= 63.738$$

Proses Perhitungan Data Euclidean Distance ke-41

$$(d) = \text{SQRT}((90.5-90.4)^2+(76.5-95.05)^2+(78.2-83.1)^2+(91-92.75)^2+(72.5-85.45)^2+(67.93-70.6)^2+(83.75-87.05)^2+(86.05-91.55)^2+(79.75-82.3)^2+(63-93.8)^2+(81.95-90.4)^2+(73-72.5)^2+(81.75-95)^2+(85.45-86.5)^2+(67.55-79.95)^2+(81.5-85.7)^2+(72.85-89.75)^2+(84.5-92.2)^2+(76.18-97.9)^2+(80.75-97.5)^2+(67-78.75)^2+(92-81)^2+(78.25-92.25)^2+(84.5-83.2)^2+(66.5-86)^2+(88.25-90.5)^2+(89.75-97.75)^2+(84.65-85.05)^2+(83.2-85.5)^2+(96.45-88.2)^2+(88-84.25)^2+(78.65-89.1)^2)$$

$$= 64.514$$

Proses Perhitungan Data Euclidean Distance ke-42

$$(d) = \text{SQRT}((87.55-90.4)^2+(86.75-95.05)^2+(78.3-83.1)^2+(86.6-92.75)^2+(49.05-85.45)^2+(73.2-70.6)^2+(85.5-87.05)^2+(79.25-91.55)^2+(81.65-82.3)^2+(84.75-93.8)^2+(82.65-90.4)^2+(72.5-72.5)^2+(88.5-95)^2+(80.35-86.5)^2+(82.25-79.95)^2+(75.6-85.7)^2+(79.5-89.75)^2+(68-92.2)^2+(84.13-97.9)^2+(83.3-97.5)^2+(63.45-78.75)^2+(91.5-81)^2+(85.75-92.25)^2+(82.25-83.2)^2+(69.45-86)^2+(73.95-90.5)^2+(99-97.75)^2+(83.25-85.05)^2+(95.3-85.5)^2+(100-88.2)^2+(83.7-84.25)^2+(77.5-89.1)^2)$$

$$= 65.918$$

Proses Perhitungan Data Euclidean Distance ke-43

$$(d) = \text{SQRT}((85-90.4)^2+(94.7-95.05)^2+(81.7-83.1)^2+(95.2-92.75)^2+(48.2-85.45)^2+(87.2-70.6)^2+(87.35-87.05)^2+(79.25-91.55)^2+(94.85-82.3)^2+(91.25-93.8)^2+(79.9-90.4)^2+(71.95-72.5)^2+(86.65-95)^2+(76.65-86.5)^2+(86.95-79.95)^2+(91.6-85.7)^2+(89.25-89.75)^2+(69.2-92.2)^2+(84.63-97.9)^2+(86.75-97.5)^2+(65.45-78.75)^2+(91.8-81)^2+(82.65-92.25)^2+(76.95-83.2)^2+(81.55-86)^2+(66.7-90.5)^2+(83.5-97.75)^2+(71.25-85.05)^2+(91.5-85.5)^2+(91.95-88.2)^2+(82.45-84.25)^2+(88.1-89.1)^2)$$

$$= 68.239$$

Proses Perhitungan Data Euclidean Distance ke-44

$$(d) = \text{SQRT}((84.75-90.4)^2+(70.95-95.05)^2+(76.95-83.1)^2+(71.9-92.75)^2+(63.45-85.45)^2+(83.75-70.6)^2+(80.55-87.05)^2+(82.25-91.55)^2+(72.6-82.3)^2+(80.9-93.8)^2+(86.45-90.4)^2+(60.35-72.5)^2+(64.65-95)^2+(84.1-86.5)^2+(68.2-79.95)^2+(67.2-85.7)^2+(88-89.75)^2+(80.95-92.2)^2+(79.8-97.9)^2+(85.55-97.5)^2+(74.25-78.75)^2+(79.9-81)^2+(85.25-92.25)^2+(84.45-83.2)^2+(70.5-86)^2+(78.4-90.5)^2+(91.5-97.75)^2+(86-85.05)^2+(83.75-85.5)^2+(91.9-88.2)^2+(84.25-84.25)^2+(86.3-89.1)^2)$$

$$= 69.463$$

Proses Perhitungan Data Euclidean Distance ke-45

$$(d) = \text{SQRT}((82.25-90.4)^2+(70.95-95.05)^2+(79.35-83.1)^2+(79.25-92.75)^2+(61.5-85.45)^2+(64.8-70.6)^2+(83.5-87.05)^2+(87-91.55)^2+(79.6-82.3)^2+(84.25-93.8)^2+(80-90.4)^2+(63.45-72.5)^2+(85-95)^2+(89.4-86.5)^2+(84.45-79.95)^2+(77.7-85.7)^2+(89.75-89.75)^2+(65.9-92.2)^2+(74.25-97.9)^2+(84.5-97.5)^2+(62.65-78.75)^2+(91-81)^2+(85.1-92.25)^2+(80.5-83.2)^2+(70.7-86)^2+(77.5-90.5)^2+(82.25-97.75)^2+(76.5-85.05)^2+(91.2-85.5)^2+(97.5-88.2)^2+(86-84.25)^2+(75.25-89.1)^2)$$

$$= 69.522$$

Proses Perhitungan Data Euclidean Distance ke-46

$$(d) = \text{SQRT}((82.25-90.4)^2+(74.4-95.05)^2+(73.75-83.1)^2+(86-92.75)^2+(72.5-85.45)^2+(71.53-70.6)^2+(81.9-87.05)^2+(90.3-91.55)^2+(80.7-82.3)^2+(82.25-93.8)^2+(83.95-90.4)^2+(70.4-72.5)^2+(82.65-95)^2+(85.45-86.5)^2+(64.65-79.95)^2+(74-85.7)^2+(82-89.75)^2+(84.45-92.2)^2+(79.03-97.9)^2+(80.45-97.5)^2+(77.75-78.75)^2+(85.9-81)^2+(75.95-92.25)^2+(73.7-83.2)^2+(62.85-86)^2+(87.75-90.5)^2+(89.75-97.75)^2+(70.45-85.05)^2+(83.2-85.5)^2+(93.95-88.2)^2+(47.45-84.25)^2+(77.95-89.1)^2)$$

$$= 70.813$$

Proses Perhitungan Data Euclidean Distance ke-47

$$(d) = \text{SQRT}((88-90.4)^2+(74-95.05)^2+(80.7-83.1)^2+(87.75-92.75)^2+(78.65-85.45)^2+(89.45-70.6)^2+(85.45-87.05)^2+(86.05-91.55)^2+(76.55-82.3)^2+(66.35-93.8)^2+(84.05-90.4)^2+(68.7-72.5)^2+(75.9-95)^2+(86.5-86.5)^2+(65.25-79.95)^2+(80.05-85.7)^2+(74.3-89.75)^2+(60.4-92.2)^2+(73.65-97.9)^2+(83-97.5)^2+(72.45-78.75)^2+(72.15-81)^2+(74.4-92.25)^2+(82.9-83.2)^2+(76.95-86)^2+(90.5-90.5)^2+(89.95-97.75)^2+(84.85-85.05)^2+(85.5-85.5)^2+(97.9-88.2)^2+(84.25-84.25)^2+(89.1-89.1)^2)$$

$$= 71.344$$

Proses Perhitungan Data Euclidean Distance ke-48

$$(d) = \text{SQRT}((86.5-90.4)^2+(68.9-95.05)^2+(82.3-83.1)^2+(87.3-92.75)^2+(78-85.45)^2+(62.65-70.6)^2+(78.3-87.05)^2+(87.75-91.55)^2+(77.65-82.3)^2+(86.65-93.8)^2+(85.45-90.4)^2+(65-72.5)^2+(90.75-95)^2+(86.5-86.5)^2+(70.5-79.95)^2+(73.25-85.7)^2+(87.25-89.75)^2+(82.45-92.2)^2+(65.63-97.9)^2+(79.65-97.5)^2+(78.75-78.75)^2+(88-81)^2+(83-92.25)^2+(82.25-83.2)^2+(62.05-86)^2+(87.75-90.5)^2+(92.7-97.75)^2+(83-85.05)^2+(91.5-85.5)^2+(94.55-88.2)^2+(47.45-84.25)^2+(76.7-89.1)^2)$$

$$= 71.742$$

Proses Perhitungan Data Euclidean Distance ke-49

$$(d) = \text{SQRT}((80.8-90.4)^2+(90.1-95.05)^2+(78.6-83.1)^2+(85.65-92.75)^2+(49.6-85.45)^2+(77-70.6)^2+(85.45-87.05)^2+(79.25-91.55)^2+(73.85-82.3)^2+(89.5-93.8)^2+(82.55-90.4)^2+(73.95-72.5)^2+(80.9-95)^2+(86.5-86.5)^2+(78.25-79.95)^2+(79.95-85.7)^2+(88.5-89.75)^2+(71.75-92.2)^2+(77.13-97.9)^2+(80.25-97.5)^2+(65.45-78.75)^2+(91.8-81)^2+(91.1-92.25)^2+(89.75-83.2)^2+(79.05-86)^2+(65.5-90.5)^2+(83.5-97.75)^2+(56-85.05)^2+(91.5-85.5)^2+(92.95-88.2)^2+(86-84.25)^2+(75.8-89.1)^2)$$

$$= 74.169$$

Proses Perhitungan Data Euclidean Distance ke-50

$$(d) = \text{SQRT}((74.45-90.4)^2+(74.75-95.05)^2+(78.6-83.1)^2+(81-92.75)^2+(50.4-85.45)^2+(65.03-70.6)^2+(80.6-87.05)^2+(79.25-91.55)^2+(75.7-82.3)^2+(64.7-93.8)^2+(79.05-90.4)^2+(56.9-72.5)^2+(83.45-95)^2+(85.45-86.5)^2+(60.5-79.95)^2+(77.2-85.7)^2+(70.75-89.75)^2+(77.4-92.2)^2+(78.75-97.9)^2+(91.25-97.5)^2+(63.7-78.75)^2+(70.3-81)^2+(78.7-92.25)^2+(84.45-$$

$$83.2)^2+(75.25-86)^2+(86.25-90.5)^2+(88.5-97.75)^2+(84.15-85.05)^2+(82-85.5)^2+(95.45-88.2)^2+(83-84.25)^2+(87.7-89.1)^2)$$

$$= 76.975$$

Proses Perhitungan Data Euclidean Distance ke-51

$$(d) = \text{SQRT}((75.2-90.4)^2+(70.45-95.05)^2+(77.65-83.1)^2+(70.75-92.75)^2+(61.5-85.45)^2+(61.15-70.6)^2+(84.15-87.05)^2+(88.25-91.55)^2+(76.8-82.3)^2+(60.9-93.8)^2+(80.35-90.4)^2+(70.45-72.5)^2+(85.2-95)^2+(91.15-86.5)^2+(65.25-79.95)^2+(63.3-85.7)^2+(68.55-89.75)^2+(79.5-92.2)^2+(83.08-97.9)^2+(78.4-97.5)^2+(70.75-78.75)^2+(83-81)^2+(81.25-92.25)^2+(81.5-83.2)^2+(63.5-86)^2+(89.45-90.5)^2+(88.9-97.75)^2+(84.9-85.05)^2+(90.45-85.5)^2+(89.25-88.2)^2+(78.75-84.25)^2+(75.8-89.1)^2)$$

$$= 79.316$$

Proses Perhitungan Data Euclidean Distance ke-52

$$(d) = \text{SQRT}((81.75-90.4)^2+(77.9-95.05)^2+(82.2-83.1)^2+(54.15-92.75)^2+(82.95-85.45)^2+(63.85-70.6)^2+(80.45-87.05)^2+(77.65-91.55)^2+(76.1-82.3)^2+(74.7-93.8)^2+(75.65-90.4)^2+(76.4-72.5)^2+(84.95-95)^2+(85.9-86.5)^2+(78.45-79.95)^2+(79.55-85.7)^2+(87.8-89.75)^2+(72.7-92.2)^2+(76.15-97.9)^2+(80.4-97.5)^2+(74.75-78.75)^2+(77.6-81)^2+(86.4-92.25)^2+(76.3-83.2)^2+(75.35-86)^2+(72.75-90.5)^2+(76.45-97.75)^2+(65.6-85.05)^2+(59.4-85.5)^2+(64.15-88.2)^2+(66.5-84.25)^2+(75.95-89.1)^2)$$

$$= 84.810$$

Proses Perhitungan Data Euclidean Distance ke-53

$$(d) = \text{SQRT}((83-90.4)^2+(91.5-95.05)^2+(82.85-83.1)^2+(94.75-92.75)^2+(84.25-85.45)^2+(91.8-70.6)^2+(85.85-87.05)^2+(86.5-91.55)^2+(88.7-82.3)^2+(90-93.8)^2+(85.1-90.4)^2+(92.6-72.5)^2+(90.5-95)^2+(92.75-86.5)^2+(92.25-79.95)^2+(89.2-85.7)^2+(91-89.75)^2+(87.6-92.2)^2+(83.38-97.9)^2+(89.25-97.5)^2+(76.15-78.75)^2+(82.9-81)^2+(90.2-92.25)^2+(0-83.2)^2+(76.55-86)^2+(90.5-90.5)^2+(89-97.75)^2+(83-85.05)^2+(81.8-85.5)^2+(83.45-88.2)^2+(80.25-84.25)^2+(88.8-89.1)^2)$$

$$= 93.383$$

Proses Perhitungan Data Euclidean Distance ke-54

$$(d) = \text{SQRT}((78.95-90.4)^2+(90.45-95.05)^2+(80.1-83.1)^2+(92.7-92.75)^2+(0-85.45)^2+(75.5-70.6)^2+(83.6-87.05)^2+(78.2-91.55)^2+(79.6-82.3)^2+(63.8-93.8)^2+(80.85-90.4)^2+(76.4-72.5)^2+(76.6-95)^2+(83.7-86.5)^2+(67.85-79.95)^2+(78.35-85.7)^2+(69.55-89.75)^2+(85.2-$$

$$92.2)^2+(80.78-97.9)^2+(85.6-97.5)^2+(62.6-78.75)^2+(91.15-81)^2+(83.9-92.25)^2+(78.9-83.2)^2+(73.75-86)^2+(72.95-90.5)^2+(99-97.75)^2+(82.45-85.05)^2+(96.15-85.5)^2+(93.55-88.2)^2+(84.75-84.25)^2+(81.3-89.1)^2$$

$$= 106.071$$

Proses Perhitungan Data Euclidean Distance ke-55

$$(d) = \text{SQRT}((83.8-90.4)^2+(69.95-95.05)^2+(95.55-83.1)^2+(69.58-92.75)^2+(69.7-85.45)^2+(61.6-70.6)^2+(81.05-87.05)^2+(81.8-91.55)^2+(85.7-82.3)^2+(68.75-93.8)^2+(85.1-90.4)^2+(78.7-72.5)^2+(91.35-95)^2+(80.9-86.5)^2+(85.95-79.95)^2+(76.7-85.7)^2+(90.7-89.75)^2+(70.85-92.2)^2+(0-97.9)^2+(82.55-97.5)^2+(76.35-78.75)^2+(88.75-81)^2+(88.95-92.25)^2+(66.85-83.2)^2+(74.8-86)^2+(87.65-90.5)^2+(79.95-97.75)^2+(91.35-85.05)^2+(76.8-85.5)^2+(81.1-88.2)^2+(71.9-84.25)^2+(78.45-89.1)^2)$$

$$= 119.095$$



Lampiran 2 Perhitungan Teknik SMOTE pada kelas E-Tourism

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-1	
P(titik sample)	= {90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	= {90, 90.7, 85, 95.25, 88.5, 77.05, 85.5, 92.05, 86.9, 91.5, 87, 64.75, 95, 86.5, 81.75, 89.4, 89, 94.95, 95.55, 97.25, 84.15, 83.4, 96.2, 82.15, 86.25, 90.5, 97.25, 87.6, 85.5, 86, 84.25, 89.7}
rand	= 0.01
(T - P)	= {0.4, 4.35, 1.9, 2.5, 3.05, 6.45, 1.55, 0.5, 4.6, 2.3, 3.4, 7.75, 0, 0, 1.8, 3.7, 0.75, 2.75, 2.35, 0.25, 5.4, 2.4, 3.95, 1.05, 0.25, 0, 0.5, 2.55, 0, 2.2, 0, 0.6}
rand . (T - P)	= {0.00, 0.04, 0.02, 0.03, 0.03, 0.06, 0.02, 0.01, 0.05, 0.02, 0.03, 0.08, 0.00, 0.00, 0.02, 0.04, 0.01, 0.03, 0.02, 0.00, 0.05, 0.02, 0.04, 0.01, 0.00, 0.00, 0.01, 0.03, 0.00, 0.02, 0.00, 0.01}
X _{new} = P + (rand . (T - P))	= {90.40, 95.09, 83.12, 92.78, 85.48, 70.66, 87.07, 91.56, 82.35, 93.82, 90.43, 72.58, 95.00, 86.50, 79.97, 85.74, 89.76, 92.23, 97.92, 97.50, 78.80, 81.02, 92.29, 83.21, 86.00, 90.50, 97.76, 85.08, 85.50, 88.22, 84.25, 89.11}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-2	
P(titik sample)	= {90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	= {90, 90.7, 85, 95.25, 88.5, 77.05, 85.5, 92.05, 86.9, 91.5, 87, 64.75, 95, 86.5, 81.75, 89.4, 89, 94.95, 95.55, 97.25, 84.15, 83.4, 96.2, 82.15, 86.25, 90.5, 97.25, 87.6, 85.5, 86, 84.25, 89.7}
rand	= 0.02
(T - P)	= {0.4, 4.35, 1.9, 2.5, 3.05, 6.45, 1.55, 0.5, 4.6, 2.3, 3.4, 7.75, 0, 0, 1.8, 3.7, 0.75, 2.75, 2.35, 0.25, 5.4, 2.4, 3.95, 1.05, 0.25, 0, 0.5, 2.55, 0, 2.2, 0, 0.6}
rand . (T - P)	= {0.01, 0.09, 0.04, 0.05, 0.06, 0.13, 0.03, 0.01, 0.09, 0.05, 0.07, 0.16, 0.00, 0.00, 0.04, 0.07, 0.02, 0.06, 0.05, 0.01, 0.11, 0.05, 0.08, 0.02, 0.01, 0.00, 0.01, 0.05, 0.00, 0.04, 0.00, 0.01}
X _{new} = P + (rand . (T - P))	= {90.41, 95.14, 83.14, 92.80, 85.51, 70.73, 87.08, 91.56, 82.39, 93.85, 90.47, 72.66, 95.00, 86.50, 79.99, 85.77, 89.77, 92.26,

97.95, 97.51, 78.86, 81.05, 92.33, 83.22, 86.01, 90.50, 97.76, 85.10, 85.50, 88.24, 84.25, 89.11}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-3

P(titik sample) = {90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}

T(tetangga acuan) = {90, 90.7, 85, 95.25, 88.5, 77.05, 85.5, 92.05, 86.9, 91.5, 87, 64.75, 95, 86.5, 81.75, 89.4, 89, 94.95, 95.55, 97.25, 84.15, 83.4, 96.2, 82.15, 86.25, 90.5, 97.25, 87.6, 85.5, 86, 84.25, 89.7}

rand = 0.03

(T - P) = {0.4, 4.35, 1.9, 2.5, 3.05, 6.45, 1.55, 0.5, 4.6, 2.3, 3.4, 7.75, 0, 0, 1.8, 3.7, 0.75, 2.75, 2.35, 0.25, 5.4, 2.4, 3.95, 1.05, 0.25, 0, 0.5, 2.55, 0, 2.2, 0, 0.6}

rand . (T - P) = {0.01, 0.13, 0.06, 0.08, 0.09, 0.19, 0.05, 0.02, 0.14, 0.07, 0.10, 0.23, 0.00, 0.00, 0.05, 0.11, 0.02, 0.08, 0.07, 0.01, 0.16, 0.07, 0.12, 0.03, 0.01, 0.00, 0.02, 0.08, 0.00, 0.07, 0.00, 0.02}

Xnew = P + (rand . (T - P)) = {90.41, 95.18, 83.16, 92.83, 85.54, 70.79, 87.10, 91.57, 82.44, 93.87, 90.50, 72.73, 95.00, 86.50, 80.00, 85.81, 89.77, 92.28, 97.97, 97.51, 78.91, 81.07, 92.37, 83.23, 86.01, 90.50, 97.77, 85.13, 85.50, 88.27, 84.25, 89.12}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-4

P(titik sample) = {90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}

T(tetangga acuan) = {90, 90.7, 85, 95.25, 88.5, 77.05, 85.5, 92.05, 86.9, 91.5, 87, 64.75, 95, 86.5, 81.75, 89.4, 89, 94.95, 95.55, 97.25, 84.15, 83.4, 96.2, 82.15, 86.25, 90.5, 97.25, 87.6, 85.5, 86, 84.25, 89.7}

rand = 0.04

(T - P) = {0.4, 4.35, 1.9, 2.5, 3.05, 6.45, 1.55, 0.5, 4.6, 2.3, 3.4, 7.75, 0, 0, 1.8, 3.7, 0.75, 2.75, 2.35, 0.25, 5.4, 2.4, 3.95, 1.05, 0.25, 0, 0.5, 2.55, 0, 2.2, 0, 0.6}

rand . (T - P) = {0.02, 0.17, 0.08, 0.10, 0.12, 0.26, 0.06, 0.02, 0.18, 0.09, 0.14, 0.31, 0.00, 0.00, 0.07, 0.15, 0.03, 0.11, 0.09, 0.01, 0.22, 0.10, 0.16, 0.04, 0.01, 0.00, 0.02, 0.10, 0.00, 0.09, 0.00, 0.02}

$$\begin{aligned} X_{\text{new}} = P + (\text{rand} \cdot (T - P)) &= \{90.42, 95.22, 83.18, 92.85, 85.57, 70.86, 87.11, 91.57, 82.48, \\ &93.89, 90.54, 72.81, 95.00, 86.50, 80.02, 85.85, 89.78, 92.31, \\ &97.99, 97.51, 78.97, 81.10, 92.41, 83.24, 86.01, 90.50, 97.77, \\ &85.15, 85.50, 88.29, 84.25, 89.12\} \end{aligned}$$

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-5

$$\begin{aligned} P(\text{titik sample}) &= \{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, \\ &90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, \\ &81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1\} \end{aligned}$$

$$\begin{aligned} T(\text{tetangga acuan}) &= \{90, 90.7, 85, 95.25, 88.5, 77.05, 85.5, 92.05, 86.9, 91.5, 87, \\ &64.75, 95, 86.5, 81.75, 89.4, 89, 94.95, 95.55, 97.25, 84.15, \\ &83.4, 96.2, 82.15, 86.25, 90.5, 97.25, 87.6, 85.5, 86, 84.25, \\ &89.7\} \end{aligned}$$

$$\text{rand} = 0.05$$

$$\begin{aligned} (T - P) &= \{0.4, 4.35, 1.9, 2.5, 3.05, 6.45, 1.55, 0.5, 4.6, 2.3, 3.4, 7.75, 0, 0, \\ &1.8, 3.7, 0.75, 2.75, 2.35, 0.25, 5.4, 2.4, 3.95, 1.05, 0.25, 0, 0.5, \\ &2.55, 0, 2.2, 0, 0.6\} \end{aligned}$$

$$\begin{aligned} \text{rand} \cdot (T - P) &= \{0.02, 0.22, 0.10, 0.13, 0.15, 0.32, 0.08, 0.03, 0.23, 0.12, 0.17, \\ &0.39, 0.00, 0.00, 0.09, 0.19, 0.04, 0.14, 0.12, 0.01, 0.27, 0.12, \\ &0.20, 0.05, 0.01, 0.00, 0.03, 0.13, 0.00, 0.11, 0.00, 0.03\} \end{aligned}$$

$$\begin{aligned} X_{\text{new}} = P + (\text{rand} \cdot (T - P)) &= \{90.42, 95.27, 83.20, 92.88, 85.60, 70.92, 87.13, 91.58, 82.53, \\ &93.92, 90.57, 72.89, 95.00, 86.50, 80.04, 85.89, 89.79, 92.34, \\ &98.02, 97.51, 79.02, 81.12, 92.45, 83.25, 86.01, 90.50, 97.78, \\ &85.18, 85.50, 88.31, 84.25, 89.13\} \end{aligned}$$

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-6

$$\begin{aligned} P(\text{titik sample}) &= \{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, \\ &90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, \\ &81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1\} \end{aligned}$$

$$\begin{aligned} T(\text{tetangga acuan}) &= \{90, 90.7, 85, 95.25, 88.5, 77.05, 85.5, 92.05, 86.9, 91.5, 87, \\ &64.75, 95, 86.5, 81.75, 89.4, 89, 94.95, 95.55, 97.25, 84.15, \\ &83.4, 96.2, 82.15, 86.25, 90.5, 97.25, 87.6, 85.5, 86, 84.25, \\ &89.7\} \end{aligned}$$

$$\text{rand} = 0.06$$

$$\begin{aligned} (T - P) &= \{0.4, 4.35, 1.9, 2.5, 3.05, 6.45, 1.55, 0.5, 4.6, 2.3, 3.4, 7.75, 0, 0, \\ &1.8, 3.7, 0.75, 2.75, 2.35, 0.25, 5.4, 2.4, 3.95, 1.05, 0.25, 0, 0.5, \\ &2.55, 0, 2.2, 0, 0.6\} \end{aligned}$$

$$\text{rand. (T - P)} = \{0.02, 0.26, 0.11, 0.15, 0.18, 0.39, 0.09, 0.03, 0.28, 0.14, 0.20, 0.47, 0.00, 0.00, 0.11, 0.22, 0.05, 0.17, 0.14, 0.02, 0.32, 0.14, 0.24, 0.06, 0.02, 0.00, 0.03, 0.15, 0.00, 0.13, 0.00, 0.04\}$$

$$\text{Xnew = P + (rand. (T - P))} = \{90.42, 95.31, 83.21, 92.90, 85.63, 70.99, 87.14, 91.58, 82.58, 93.94, 90.60, 72.97, 95.00, 86.50, 80.06, 85.92, 89.80, 92.37, 98.04, 97.52, 79.07, 81.14, 92.49, 83.26, 86.02, 90.50, 97.78, 85.20, 85.50, 88.33, 84.25, 89.14\}$$

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-7

$$\text{P(titik sample)} = \{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1\}$$

$$\text{T(tetangga acuan)} = \{90, 90.7, 85, 95.25, 88.5, 77.05, 85.5, 92.05, 86.9, 91.5, 87, 64.75, 95, 86.5, 81.75, 89.4, 89, 94.95, 95.55, 97.25, 84.15, 83.4, 96.2, 82.15, 86.25, 90.5, 97.25, 87.6, 85.5, 86, 84.25, 89.7\}$$

$$\text{rand} = 0.07$$

$$\text{(T - P)} = \{0.4, 4.35, 1.9, 2.5, 3.05, 6.45, 1.55, 0.5, 4.6, 2.3, 3.4, 7.75, 0, 0, 1.8, 3.7, 0.75, 2.75, 2.35, 0.25, 5.4, 2.4, 3.95, 1.05, 0.25, 0, 0.5, 2.55, 0, 2.2, 0, 0.6\}$$

$$\text{rand. (T - P)} = \{0.03, 0.30, 0.13, 0.18, 0.21, 0.45, 0.11, 0.04, 0.32, 0.16, 0.24, 0.54, 0.00, 0.00, 0.13, 0.26, 0.05, 0.19, 0.16, 0.02, 0.38, 0.17, 0.28, 0.07, 0.02, 0.00, 0.04, 0.18, 0.00, 0.15, 0.00, 0.04\}$$

$$\text{Xnew = P + (rand. (T - P))} = \{90.43, 95.35, 83.23, 92.93, 85.66, 71.05, 87.16, 91.59, 82.62, 93.96, 90.64, 73.04, 95.00, 86.50, 80.08, 85.96, 89.80, 92.39, 98.06, 97.52, 79.13, 81.17, 92.53, 83.27, 86.02, 90.50, 97.79, 85.23, 85.50, 88.35, 84.25, 89.14\}$$

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-8

$$\text{P(titik sample)} = \{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1\}$$

$$\text{T(tetangga acuan)} = \{90, 90.7, 85, 95.25, 88.5, 77.05, 85.5, 92.05, 86.9, 91.5, 87, 64.75, 95, 86.5, 81.75, 89.4, 89, 94.95, 95.55, 97.25, 84.15, 83.4, 96.2, 82.15, 86.25, 90.5, 97.25, 87.6, 85.5, 86, 84.25, 89.7\}$$

$$\text{rand} = 0.08$$

(T - P)	=	{0.4, 4.35, 1.9, 2.5, 3.05, 6.45, 1.55, 0.5, 4.6, 2.3, 3.4, 7.75, 0, 0, 1.8, 3.7, 0.75, 2.75, 2.35, 0.25, 5.4, 2.4, 3.95, 1.05, 0.25, 0, 0.5, 2.55, 0, 2.2, 0, 0.6}
rand . (T - P)	=	{0.03, 0.35, 0.15, 0.20, 0.24, 0.52, 0.12, 0.04, 0.37, 0.18, 0.27, 0.62, 0.00, 0.00, 0.14, 0.30, 0.06, 0.22, 0.19, 0.02, 0.43, 0.19, 0.32, 0.08, 0.02, 0.00, 0.04, 0.20, 0.00, 0.18, 0.00, 0.05}
Xnew = P + (rand . (T - P))	=	{90.43, 95.40, 83.25, 92.95, 85.69, 71.12, 87.17, 91.59, 82.67, 93.98, 90.67, 73.12, 95.00, 86.50, 80.09, 86.00, 89.81, 92.42, 98.09, 97.52, 79.18, 81.19, 92.57, 83.28, 86.02, 90.50, 97.79, 85.25, 85.50, 88.38, 84.25, 89.15}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-9

P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{90, 90.7, 85, 95.25, 88.5, 77.05, 85.5, 92.05, 86.9, 91.5, 87, 64.75, 95, 86.5, 81.75, 89.4, 89, 94.95, 95.55, 97.25, 84.15, 83.4, 96.2, 82.15, 86.25, 90.5, 97.25, 87.6, 85.5, 86, 84.25, 89.7}
rand	=	0.09
(T - P)	=	{0.4, 4.35, 1.9, 2.5, 3.05, 6.45, 1.55, 0.5, 4.6, 2.3, 3.4, 7.75, 0, 0, 1.8, 3.7, 0.75, 2.75, 2.35, 0.25, 5.4, 2.4, 3.95, 1.05, 0.25, 0, 0.5, 2.55, 0, 2.2, 0, 0.6}
rand . (T - P)	=	{0.04, 0.39, 0.17, 0.23, 0.27, 0.58, 0.14, 0.05, 0.41, 0.21, 0.31, 0.70, 0.00, 0.00, 0.16, 0.33, 0.07, 0.25, 0.21, 0.02, 0.49, 0.22, 0.36, 0.09, 0.02, 0.00, 0.05, 0.23, 0.00, 0.20, 0.00, 0.05}
Xnew = P + (rand . (T - P))	=	{90.44, 95.44, 83.27, 92.98, 85.72, 71.18, 87.19, 91.60, 82.71, 94.01, 90.71, 73.20, 95.00, 86.50, 80.11, 86.03, 89.82, 92.45, 98.11, 97.52, 79.24, 81.22, 92.61, 83.29, 86.02, 90.50, 97.80, 85.28, 85.50, 88.40, 84.25, 89.15}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-10

P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{90, 90.7, 85, 95.25, 88.5, 77.05, 85.5, 92.05, 86.9, 91.5, 87, 64.75, 95, 86.5, 81.75, 89.4, 89, 94.95, 95.55, 97.25, 84.15, 83.4, 96.2, 82.15, 86.25, 90.5, 97.25, 87.6, 85.5, 86, 84.25, 89.7}

rand	=	0.1
(T - P)	=	{0.4, 4.35, 1.9, 2.5, 3.05, 6.45, 1.55, 0.5, 4.6, 2.3, 3.4, 7.75, 0, 0, 1.8, 3.7, 0.75, 2.75, 2.35, 0.25, 5.4, 2.4, 3.95, 1.05, 0.25, 0, 0.5, 2.55, 0, 2.2, 0, 0.6}
rand . (T - P)	=	{0.04, 0.44, 0.19, 0.25, 0.31, 0.65, 0.16, 0.05, 0.46, 0.23, 0.34, 0.78, 0.00, 0.00, 0.18, 0.37, 0.08, 0.28, 0.24, 0.03, 0.54, 0.24, 0.40, 0.11, 0.03, 0.00, 0.05, 0.26, 0.00, 0.22, 0.00, 0.06}
Xnew = P + (rand . (T - P))	=	{90.44, 95.49, 83.29, 93.00, 85.76, 71.25, 87.21, 91.60, 82.76, 94.03, 90.74, 73.28, 95.00, 86.50, 80.13, 86.07, 89.83, 92.48, 98.14, 97.53, 79.29, 81.24, 92.65, 83.31, 86.03, 90.50, 97.80, 85.31, 85.50, 88.42, 84.25, 89.16}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-11

P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{90.1, 87.15, 82.8, 90.95, 82.95, 84.65, 87.05, 91.85, 85.9, 92.1, 90.15, 73.75, 93.25, 86.5, 76.65, 86.75, 91.5, 96, 98.95, 96.25, 81.5, 80.35, 91.2, 83.2, 86.2, 90.5, 97.75, 86.9, 85.5, 88.2, 83, 87.1}
rand	=	0.01
(T - P)	=	{0.3, 7.9, 0.3, 1.8, 2.5, 14.05, 0, 0.3, 3.6, 1.7, 0.25, 1.25, 1.75, 0, 3.3, 1.05, 1.75, 3.8, 1.05, 1.25, 2.75, 0.65, 1.05, 0, 0.2, 0, 0, 1.85, 0, 0, 1.25, 2}
rand . (T - P)	=	{0.00, 0.08, 0.00, 0.02, 0.03, 0.14, 0.00, 0.00, 0.04, 0.02, 0.00, 0.01, 0.02, 0.00, 0.03, 0.01, 0.02, 0.04, 0.01, 0.01, 0.03, 0.01, 0.01, 0.00, 0.00, 0.00, 0.00, 0.02, 0.00, 0.00, 0.01, 0.02}
Xnew = P + (rand . (T - P))	=	{90.40, 95.13, 83.10, 92.77, 85.48, 70.74, 87.05, 91.55, 82.34, 93.82, 90.40, 72.51, 95.02, 86.50, 79.98, 85.71, 89.77, 92.24, 97.91, 97.51, 78.78, 81.01, 92.26, 83.20, 86.00, 90.50, 97.75, 85.07, 85.50, 88.20, 84.26, 89.12}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-12

P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{90.1, 87.15, 82.8, 90.95, 82.95, 84.65, 87.05, 91.85, 85.9, 92.1, 90.15, 73.75, 93.25, 86.5, 76.65, 86.75, 91.5, 96, 98.95,

		96.25, 81.5, 80.35, 91.2, 83.2, 86.2, 90.5, 97.75, 86.9, 85.5, 88.2, 83, 87.1}
rand	=	0.02
(T - P)	=	{0.3, 7.9, 0.3, 1.8, 2.5, 14.05, 0, 0.3, 3.6, 1.7, 0.25, 1.25, 1.75, 0, 3.3, 1.05, 1.75, 3.8, 1.05, 1.25, 2.75, 0.65, 1.05, 0, 0.2, 0, 0, 1.85, 0, 0, 1.25, 2}
rand . (T - P)	=	{0.01, 0.16, 0.01, 0.04, 0.05, 0.28, 0.00, 0.01, 0.07, 0.03, 0.01, 0.03, 0.04, 0.00, 0.07, 0.02, 0.04, 0.08, 0.02, 0.03, 0.06, 0.01, 0.02, 0.00, 0.00, 0.00, 0.00, 0.04, 0.00, 0.00, 0.03, 0.04}
Xnew = P + (rand . (T - P))	=	{90.41, 95.21, 83.11, 92.79, 85.50, 70.88, 87.05, 91.56, 82.37, 93.83, 90.41, 72.53, 95.04, 86.50, 80.02, 85.72, 89.79, 92.28, 97.92, 97.53, 78.81, 81.01, 92.27, 83.20, 86.00, 90.50, 97.75, 85.09, 85.50, 88.20, 84.28, 89.14}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-13		
P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{90.1, 87.15, 82.8, 90.95, 82.95, 84.65, 87.05, 91.85, 85.9, 92.1, 90.15, 73.75, 93.25, 86.5, 76.65, 86.75, 91.5, 96, 98.95, 96.25, 81.5, 80.35, 91.2, 83.2, 86.2, 90.5, 97.75, 86.9, 85.5, 88.2, 83, 87.1}
rand	=	0.03
(T - P)	=	{0.3, 7.9, 0.3, 1.8, 2.5, 14.05, 0, 0.3, 3.6, 1.7, 0.25, 1.25, 1.75, 0, 3.3, 1.05, 1.75, 3.8, 1.05, 1.25, 2.75, 0.65, 1.05, 0, 0.2, 0, 0, 1.85, 0, 0, 1.25, 2}
rand . (T - P)	=	{0.01, 0.24, 0.01, 0.05, 0.08, 0.42, 0.00, 0.01, 0.11, 0.05, 0.01, 0.04, 0.05, 0.00, 0.10, 0.03, 0.05, 0.11, 0.03, 0.04, 0.08, 0.02, 0.03, 0.00, 0.01, 0.00, 0.00, 0.06, 0.00, 0.00, 0.04, 0.06}
Xnew = P + (rand . (T - P))	=	{90.41, 95.29, 83.11, 92.80, 85.53, 71.02, 87.05, 91.56, 82.41, 93.85, 90.41, 72.54, 95.05, 86.50, 80.05, 85.73, 89.80, 92.31, 97.93, 97.54, 78.83, 81.02, 92.28, 83.20, 86.01, 90.50, 97.75, 85.11, 85.50, 88.20, 84.29, 89.16}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-14		
P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}

T(tetangga acuan)	=	{90.1, 87.15, 82.8, 90.95, 82.95, 84.65, 87.05, 91.85, 85.9, 92.1, 90.15, 73.75, 93.25, 86.5, 76.65, 86.75, 91.5, 96, 98.95, 96.25, 81.5, 80.35, 91.2, 83.2, 86.2, 90.5, 97.75, 86.9, 85.5, 88.2, 83, 87.1}
rand	=	0.04
(T - P)	=	{0.3, 7.9, 0.3, 1.8, 2.5, 14.05, 0, 0.3, 3.6, 1.7, 0.25, 1.25, 1.75, 0, 3.3, 1.05, 1.75, 3.8, 1.05, 1.25, 2.75, 0.65, 1.05, 0, 0.2, 0, 0, 1.85, 0, 0, 1.25, 2}
rand . (T - P)	=	{0.01, 0.32, 0.01, 0.07, 0.10, 0.56, 0.00, 0.01, 0.14, 0.07, 0.01, 0.05, 0.07, 0.00, 0.13, 0.04, 0.07, 0.15, 0.04, 0.05, 0.11, 0.03, 0.04, 0.00, 0.01, 0.00, 0.00, 0.07, 0.00, 0.00, 0.05, 0.08}
Xnew = P + (rand . (T - P))	=	{90.41, 95.37, 83.11, 92.82, 85.55, 71.16, 87.05, 91.56, 82.44, 93.87, 90.41, 72.55, 95.07, 86.50, 80.08, 85.74, 89.82, 92.35, 97.94, 97.55, 78.86, 81.03, 92.29, 83.20, 86.01, 90.50, 97.75, 85.12, 85.50, 88.20, 84.30, 89.18}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-15		
P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{90.1, 87.15, 82.8, 90.95, 82.95, 84.65, 87.05, 91.85, 85.9, 92.1, 90.15, 73.75, 93.25, 86.5, 76.65, 86.75, 91.5, 96, 98.95, 96.25, 81.5, 80.35, 91.2, 83.2, 86.2, 90.5, 97.75, 86.9, 85.5, 88.2, 83, 87.1}
rand	=	0.05
(T - P)	=	{0.3, 7.9, 0.3, 1.8, 2.5, 14.05, 0, 0.3, 3.6, 1.7, 0.25, 1.25, 1.75, 0, 3.3, 1.05, 1.75, 3.8, 1.05, 1.25, 2.75, 0.65, 1.05, 0, 0.2, 0, 0, 1.85, 0, 0, 1.25, 2}
rand . (T - P)	=	{0.02, 0.40, 0.02, 0.09, 0.13, 0.70, 0.00, 0.02, 0.18, 0.09, 0.01, 0.06, 0.09, 0.00, 0.17, 0.05, 0.09, 0.19, 0.05, 0.06, 0.14, 0.03, 0.05, 0.00, 0.01, 0.00, 0.00, 0.09, 0.00, 0.00, 0.06, 0.10}
Xnew = P + (rand . (T - P))	=	{90.42, 95.45, 83.12, 92.84, 85.58, 71.30, 87.05, 91.57, 82.48, 93.89, 90.41, 72.56, 95.09, 86.50, 80.12, 85.75, 89.84, 92.39, 97.95, 97.56, 78.89, 81.03, 92.30, 83.20, 86.01, 90.50, 97.75, 85.14, 85.50, 88.20, 84.31, 89.20}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-16		

P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{90.1, 87.15, 82.8, 90.95, 82.95, 84.65, 87.05, 91.85, 85.9, 92.1, 90.15, 73.75, 93.25, 86.5, 76.65, 86.75, 91.5, 96, 98.95, 96.25, 81.5, 80.35, 91.2, 83.2, 86.2, 90.5, 97.75, 86.9, 85.5, 88.2, 83, 87.1}
rand	=	0.06
(T - P)	=	{0.3, 7.9, 0.3, 1.8, 2.5, 14.05, 0, 0.3, 3.6, 1.7, 0.25, 1.25, 1.75, 0, 3.3, 1.05, 1.75, 3.8, 1.05, 1.25, 2.75, 0.65, 1.05, 0, 0.2, 0, 0, 1.85, 0, 0, 1.25, 2}
rand . (T - P)	=	{0.02, 0.47, 0.02, 0.11, 0.15, 0.84, 0.00, 0.02, 0.22, 0.10, 0.02, 0.08, 0.11, 0.00, 0.20, 0.06, 0.11, 0.23, 0.06, 0.08, 0.17, 0.04, 0.06, 0.00, 0.01, 0.00, 0.00, 0.11, 0.00, 0.00, 0.08, 0.12}
Xnew = P + (rand . (T - P))	=	{90.42, 95.52, 83.12, 92.86, 85.60, 71.44, 87.05, 91.57, 82.52, 93.90, 90.42, 72.58, 95.11, 86.50, 80.15, 85.76, 89.86, 92.43, 97.96, 97.58, 78.92, 81.04, 92.31, 83.20, 86.01, 90.50, 97.75, 85.16, 85.50, 88.20, 84.33, 89.22}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-17		
P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{90.1, 87.15, 82.8, 90.95, 82.95, 84.65, 87.05, 91.85, 85.9, 92.1, 90.15, 73.75, 93.25, 86.5, 76.65, 86.75, 91.5, 96, 98.95, 96.25, 81.5, 80.35, 91.2, 83.2, 86.2, 90.5, 97.75, 86.9, 85.5, 88.2, 83, 87.1}
rand	=	0.07
(T - P)	=	{0.3, 7.9, 0.3, 1.8, 2.5, 14.05, 0, 0.3, 3.6, 1.7, 0.25, 1.25, 1.75, 0, 3.3, 1.05, 1.75, 3.8, 1.05, 1.25, 2.75, 0.65, 1.05, 0, 0.2, 0, 0, 1.85, 0, 0, 1.25, 2}
rand . (T - P)	=	{0.02, 0.55, 0.02, 0.13, 0.18, 0.98, 0.00, 0.02, 0.25, 0.12, 0.02, 0.09, 0.12, 0.00, 0.23, 0.07, 0.12, 0.27, 0.07, 0.09, 0.19, 0.05, 0.07, 0.00, 0.01, 0.00, 0.00, 0.13, 0.00, 0.00, 0.09, 0.14}
Xnew = P + (rand . (T - P))	=	{90.42, 95.60, 83.12, 92.88, 85.63, 71.58, 87.05, 91.57, 82.55, 93.92, 90.42, 72.59, 95.12, 86.50, 80.18, 85.77, 89.87, 92.47, 97.97, 97.59, 78.94, 81.05, 92.32, 83.20, 86.01, 90.50, 97.75, 85.18, 85.50, 88.20, 84.34, 89.24}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-18

P(titik sample) = {90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}

T(tetangga acuan) = {90.1, 87.15, 82.8, 90.95, 82.95, 84.65, 87.05, 91.85, 85.9, 92.1, 90.15, 73.75, 93.25, 86.5, 76.65, 86.75, 91.5, 96, 98.95, 96.25, 81.5, 80.35, 91.2, 83.2, 86.2, 90.5, 97.75, 86.9, 85.5, 88.2, 83, 87.1}

rand = 0.08

(T - P) = {0.3, 7.9, 0.3, 1.8, 2.5, 14.05, 0, 0.3, 3.6, 1.7, 0.25, 1.25, 1.75, 0, 3.3, 1.05, 1.75, 3.8, 1.05, 1.25, 2.75, 0.65, 1.05, 0, 0.2, 0, 0, 1.85, 0, 0, 1.25, 2}

rand . (T - P) = {0.02, 0.63, 0.02, 0.14, 0.20, 1.12, 0.00, 0.02, 0.29, 0.14, 0.02, 0.10, 0.14, 0.00, 0.26, 0.08, 0.14, 0.30, 0.08, 0.10, 0.22, 0.05, 0.08, 0.00, 0.02, 0.00, 0.00, 0.15, 0.00, 0.00, 0.10, 0.16}

Xnew = P + (rand . (T - P)) = {90.42, 95.68, 83.12, 92.89, 85.65, 71.72, 87.05, 91.57, 82.59, 93.94, 90.42, 72.60, 95.14, 86.50, 80.21, 85.78, 89.89, 92.50, 97.98, 97.60, 78.97, 81.05, 92.33, 83.20, 86.02, 90.50, 97.75, 85.20, 85.50, 88.20, 84.35, 89.26}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-19

P(titik sample) = {90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}

T(tetangga acuan) = {90.1, 87.15, 82.8, 90.95, 82.95, 84.65, 87.05, 91.85, 85.9, 92.1, 90.15, 73.75, 93.25, 86.5, 76.65, 86.75, 91.5, 96, 98.95, 96.25, 81.5, 80.35, 91.2, 83.2, 86.2, 90.5, 97.75, 86.9, 85.5, 88.2, 83, 87.1}

rand = 0.09

(T - P) = {0.3, 7.9, 0.3, 1.8, 2.5, 14.05, 0, 0.3, 3.6, 1.7, 0.25, 1.25, 1.75, 0, 3.3, 1.05, 1.75, 3.8, 1.05, 1.25, 2.75, 0.65, 1.05, 0, 0.2, 0, 0, 1.85, 0, 0, 1.25, 2}

rand . (T - P) = {0.03, 0.71, 0.03, 0.16, 0.23, 1.26, 0.00, 0.03, 0.32, 0.15, 0.02, 0.11, 0.16, 0.00, 0.30, 0.09, 0.16, 0.34, 0.09, 0.11, 0.25, 0.06, 0.09, 0.00, 0.02, 0.00, 0.00, 0.17, 0.00, 0.00, 0.11, 0.18}

Xnew = P + (rand . (T - P)) = {90.43, 95.76, 83.13, 92.91, 85.68, 71.86, 87.05, 91.58, 82.62, 93.95, 90.42, 72.61, 95.16, 86.50, 80.25, 85.79, 89.91, 92.54,

97.99, 97.61, 79.00, 81.06, 92.34, 83.20, 86.02, 90.50, 97.75, 85.22, 85.50, 88.20, 84.36, 89.28}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-20

P(titik sample) = {90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}

T(tetangga acuan) = {90.1, 87.15, 82.8, 90.95, 82.95, 84.65, 87.05, 91.85, 85.9, 92.1, 90.15, 73.75, 93.25, 86.5, 76.65, 86.75, 91.5, 96, 98.95, 96.25, 81.5, 80.35, 91.2, 83.2, 86.2, 90.5, 97.75, 86.9, 85.5, 88.2, 83, 87.1}

rand = 0.1

(T - P) = {0.3, 7.9, 0.3, 1.8, 2.5, 14.05, 0, 0.3, 3.6, 1.7, 0.25, 1.25, 1.75, 0, 3.3, 1.05, 1.75, 3.8, 1.05, 1.25, 2.75, 0.65, 1.05, 0, 0.2, 0, 0, 1.85, 0, 0, 1.25, 2}

rand . (T - P) = {0.03, 0.79, 0.03, 0.18, 0.25, 1.41, 0.00, 0.03, 0.36, 0.17, 0.03, 0.13, 0.18, 0.00, 0.33, 0.11, 0.18, 0.38, 0.11, 0.13, 0.28, 0.07, 0.11, 0.00, 0.02, 0.00, 0.00, 0.19, 0.00, 0.00, 0.13, 0.20}

Xnew = P + (rand . (T - P)) = {90.43, 95.84, 83.13, 92.93, 85.70, 72.01, 87.05, 91.58, 82.66, 93.97, 90.43, 72.63, 95.18, 86.50, 80.28, 85.81, 89.93, 92.58, 98.01, 97.63, 79.03, 81.07, 92.36, 83.20, 86.02, 90.50, 97.75, 85.24, 85.50, 88.20, 84.38, 89.30}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-21

P(titik sample) = {90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}

T(tetangga acuan) = {96.25, 94.55, 83.35, 96.8, 88.5, 63.45, 84.65, 92.25, 96.15, 94, 89.45, 81.25, 86.6, 90.45, 75.45, 98.1, 88, 93.45, 95.55, 98, 87.65, 80.6, 89.95, 82.15, 85.15, 90.5, 94.7, 87.95, 85.85, 86.75, 84.25, 86.6}

rand = 0.01

(T - P) = {5.85, 0.5, 0.25, 4.05, 3.05, 7.15, 2.4, 0.7, 13.85, 0.2, 0.95, 8.75, 8.4, 3.95, 4.5, 12.4, 1.75, 1.25, 2.35, 0.5, 8.9, 0.4, 2.3, 1.05, 0.85, 0, 3.05, 2.9, 0.35, 1.45, 0, 2.5}

rand . (T - P) = {0.06, 0.01, 0.00, 0.04, 0.03, 0.07, 0.02, 0.01, 0.14, 0.00, 0.01, 0.09, 0.08, 0.04, 0.05, 0.12, 0.02, 0.01, 0.02, 0.01, 0.09, 0.00, 0.02, 0.01, 0.01, 0.00, 0.03, 0.03, 0.00, 0.01, 0.00, 0.03}

$$\begin{aligned} X_{\text{new}} = P + (\text{rand} \cdot (T - P)) &= \{90.46, 95.06, 83.10, 92.79, 85.48, 70.67, 87.07, 91.56, 82.44, \\ &93.80, 90.41, 72.59, 95.08, 86.54, 80.00, 85.82, 89.77, 92.21, \\ &97.92, 97.51, 78.84, 81.00, 92.27, 83.21, 86.01, 90.50, 97.78, \\ &85.08, 85.50, 88.21, 84.25, 89.13\} \end{aligned}$$

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-22

$$P(\text{titik sample}) = \{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1\}$$

$$T(\text{tetangga acuan}) = \{96.25, 94.55, 83.35, 96.8, 88.5, 63.45, 84.65, 92.25, 96.15, 94, 89.45, 81.25, 86.6, 90.45, 75.45, 98.1, 88, 93.45, 95.55, 98, 87.65, 80.6, 89.95, 82.15, 85.15, 90.5, 94.7, 87.95, 85.85, 86.75, 84.25, 86.6\}$$

$$\text{rand} = 0.02$$

$$(T - P) = \{5.85, 0.5, 0.25, 4.05, 3.05, 7.15, 2.4, 0.7, 13.85, 0.2, 0.95, 8.75, 8.4, 3.95, 4.5, 12.4, 1.75, 1.25, 2.35, 0.5, 8.9, 0.4, 2.3, 1.05, 0.85, 0, 3.05, 2.9, 0.35, 1.45, 0, 2.5\}$$

$$\text{rand} \cdot (T - P) = \{0.12, 0.01, 0.01, 0.08, 0.06, 0.14, 0.05, 0.01, 0.28, 0.00, 0.02, 0.18, 0.17, 0.08, 0.09, 0.25, 0.04, 0.03, 0.05, 0.01, 0.18, 0.01, 0.05, 0.02, 0.02, 0.00, 0.06, 0.06, 0.01, 0.03, 0.00, 0.05\}$$

$$\begin{aligned} X_{\text{new}} = P + (\text{rand} \cdot (T - P)) &= \{90.52, 95.06, 83.11, 92.83, 85.51, 70.74, 87.10, 91.56, 82.58, \\ &93.80, 90.42, 72.68, 95.17, 86.58, 80.04, 85.95, 89.79, 92.23, \\ &97.95, 97.51, 78.93, 81.01, 92.30, 83.22, 86.02, 90.50, 97.81, \\ &85.11, 85.51, 88.23, 84.25, 89.15\} \end{aligned}$$

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-23

$$P(\text{titik sample}) = \{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1\}$$

$$T(\text{tetangga acuan}) = \{96.25, 94.55, 83.35, 96.8, 88.5, 63.45, 84.65, 92.25, 96.15, 94, 89.45, 81.25, 86.6, 90.45, 75.45, 98.1, 88, 93.45, 95.55, 98, 87.65, 80.6, 89.95, 82.15, 85.15, 90.5, 94.7, 87.95, 85.85, 86.75, 84.25, 86.6\}$$

$$\text{rand} = 0.03$$

$$(T - P) = \{5.85, 0.5, 0.25, 4.05, 3.05, 7.15, 2.4, 0.7, 13.85, 0.2, 0.95, 8.75, 8.4, 3.95, 4.5, 12.4, 1.75, 1.25, 2.35, 0.5, 8.9, 0.4, 2.3, 1.05, 0.85, 0, 3.05, 2.9, 0.35, 1.45, 0, 2.5\}$$

$$\text{rand. (T - P)} = \{0.18, 0.02, 0.01, 0.12, 0.09, 0.21, 0.07, 0.02, 0.42, 0.01, 0.03, 0.26, 0.25, 0.12, 0.14, 0.37, 0.05, 0.04, 0.07, 0.02, 0.27, 0.01, 0.07, 0.03, 0.03, 0.00, 0.09, 0.09, 0.01, 0.04, 0.00, 0.08\}$$

$$\text{Xnew = P + (rand. (T - P))} = \{90.58, 95.07, 83.11, 92.87, 85.54, 70.81, 87.12, 91.57, 82.72, 93.81, 90.43, 72.76, 95.25, 86.62, 80.09, 86.07, 89.80, 92.24, 97.97, 97.52, 79.02, 81.01, 92.32, 83.23, 86.03, 90.50, 97.84, 85.14, 85.51, 88.24, 84.25, 89.18\}$$

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-24

$$\text{P(titik sample)} = \{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1\}$$

$$\text{T(tetangga acuan)} = \{96.25, 94.55, 83.35, 96.8, 88.5, 63.45, 84.65, 92.25, 96.15, 94, 89.45, 81.25, 86.6, 90.45, 75.45, 98.1, 88, 93.45, 95.55, 98, 87.65, 80.6, 89.95, 82.15, 85.15, 90.5, 94.7, 87.95, 85.85, 86.75, 84.25, 86.6\}$$

$$\text{rand} = 0.04$$

$$\text{(T - P)} = \{5.85, 0.5, 0.25, 4.05, 3.05, 7.15, 2.4, 0.7, 13.85, 0.2, 0.95, 8.75, 8.4, 3.95, 4.5, 12.4, 1.75, 1.25, 2.35, 0.5, 8.9, 0.4, 2.3, 1.05, 0.85, 0, 3.05, 2.9, 0.35, 1.45, 0, 2.5\}$$

$$\text{rand. (T - P)} = \{0.23, 0.02, 0.01, 0.16, 0.12, 0.29, 0.10, 0.03, 0.55, 0.01, 0.04, 0.35, 0.34, 0.16, 0.18, 0.50, 0.07, 0.05, 0.09, 0.02, 0.36, 0.02, 0.09, 0.04, 0.03, 0.00, 0.12, 0.12, 0.01, 0.06, 0.00, 0.10\}$$

$$\text{Xnew = P + (rand. (T - P))} = \{90.63, 95.07, 83.11, 92.91, 85.57, 70.89, 87.15, 91.58, 82.85, 93.81, 90.44, 72.85, 95.34, 86.66, 80.13, 86.20, 89.82, 92.25, 97.99, 97.52, 79.11, 81.02, 92.34, 83.24, 86.03, 90.50, 97.87, 85.17, 85.51, 88.26, 84.25, 89.20\}$$

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-25

$$\text{P(titik sample)} = \{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1\}$$

$$\text{T(tetangga acuan)} = \{96.25, 94.55, 83.35, 96.8, 88.5, 63.45, 84.65, 92.25, 96.15, 94, 89.45, 81.25, 86.6, 90.45, 75.45, 98.1, 88, 93.45, 95.55, 98, 87.65, 80.6, 89.95, 82.15, 85.15, 90.5, 94.7, 87.95, 85.85, 86.75, 84.25, 86.6\}$$

$$\text{rand} = 0.05$$

(T - P)	=	{5.85, 0.5, 0.25, 4.05, 3.05, 7.15, 2.4, 0.7, 13.85, 0.2, 0.95, 8.75, 8.4, 3.95, 4.5, 12.4, 1.75, 1.25, 2.35, 0.5, 8.9, 0.4, 2.3, 1.05, 0.85, 0, 3.05, 2.9, 0.35, 1.45, 0, 2.5}
rand . (T - P)	=	{0.29, 0.03, 0.01, 0.20, 0.15, 0.36, 0.12, 0.04, 0.69, 0.01, 0.05, 0.44, 0.42, 0.20, 0.23, 0.62, 0.09, 0.06, 0.12, 0.03, 0.45, 0.02, 0.12, 0.05, 0.04, 0.00, 0.15, 0.15, 0.02, 0.07, 0.00, 0.13}
Xnew = P + (rand . (T - P))	=	{90.69, 95.08, 83.11, 92.95, 85.60, 70.96, 87.17, 91.59, 82.99, 93.81, 90.45, 72.94, 95.42, 86.70, 80.18, 86.32, 89.84, 92.26, 98.02, 97.53, 79.20, 81.02, 92.37, 83.25, 86.04, 90.50, 97.90, 85.20, 85.52, 88.27, 84.25, 89.23}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-26

P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{96.25, 94.55, 83.35, 96.8, 88.5, 63.45, 84.65, 92.25, 96.15, 94, 89.45, 81.25, 86.6, 90.45, 75.45, 98.1, 88, 93.45, 95.55, 98, 87.65, 80.6, 89.95, 82.15, 85.15, 90.5, 94.7, 87.95, 85.85, 86.75, 84.25, 86.6}
rand	=	0.06
(T - P)	=	{5.85, 0.5, 0.25, 4.05, 3.05, 7.15, 2.4, 0.7, 13.85, 0.2, 0.95, 8.75, 8.4, 3.95, 4.5, 12.4, 1.75, 1.25, 2.35, 0.5, 8.9, 0.4, 2.3, 1.05, 0.85, 0, 3.05, 2.9, 0.35, 1.45, 0, 2.5}
rand . (T - P)	=	{0.35, 0.03, 0.02, 0.24, 0.18, 0.43, 0.14, 0.04, 0.83, 0.01, 0.06, 0.53, 0.50, 0.24, 0.27, 0.74, 0.11, 0.08, 0.14, 0.03, 0.53, 0.02, 0.14, 0.06, 0.05, 0.00, 0.18, 0.17, 0.02, 0.09, 0.00, 0.15}
Xnew = P + (rand . (T - P))	=	{90.75, 95.08, 83.12, 92.99, 85.63, 71.03, 87.19, 91.59, 83.13, 93.81, 90.46, 73.03, 95.50, 86.74, 80.22, 86.44, 89.86, 92.28, 98.04, 97.53, 79.28, 81.02, 92.39, 83.26, 86.05, 90.50, 97.93, 85.22, 85.52, 88.29, 84.25, 89.25}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-27

P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{96.25, 94.55, 83.35, 96.8, 88.5, 63.45, 84.65, 92.25, 96.15, 94, 89.45, 81.25, 86.6, 90.45, 75.45, 98.1, 88, 93.45, 95.55, 98, 87.65, 80.6, 89.95, 82.15, 85.15, 90.5, 94.7, 87.95, 85.85, 86.75, 84.25, 86.6}

rand	=	0.07
(T - P)	=	{5.85, 0.5, 0.25, 4.05, 3.05, 7.15, 2.4, 0.7, 13.85, 0.2, 0.95, 8.75, 8.4, 3.95, 4.5, 12.4, 1.75, 1.25, 2.35, 0.5, 8.9, 0.4, 2.3, 1.05, 0.85, 0, 3.05, 2.9, 0.35, 1.45, 0, 2.5}
rand . (T - P)	=	{0.41, 0.04, 0.02, 0.28, 0.21, 0.50, 0.17, 0.05, 0.97, 0.01, 0.07, 0.61, 0.59, 0.28, 0.32, 0.87, 0.12, 0.09, 0.16, 0.04, 0.62, 0.03, 0.16, 0.07, 0.06, 0.00, 0.21, 0.20, 0.02, 0.10, 0.00, 0.18}
Xnew = P + (rand . (T - P))	=	{90.81, 95.09, 83.12, 93.03, 85.66, 71.10, 87.22, 91.60, 83.27, 93.81, 90.47, 73.11, 95.59, 86.78, 80.27, 86.57, 89.87, 92.29, 98.06, 97.54, 79.37, 81.03, 92.41, 83.27, 86.06, 90.50, 97.96, 85.25, 85.52, 88.30, 84.25, 89.28}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-28

P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{96.25, 94.55, 83.35, 96.8, 88.5, 63.45, 84.65, 92.25, 96.15, 94, 89.45, 81.25, 86.6, 90.45, 75.45, 98.1, 88, 93.45, 95.55, 98, 87.65, 80.6, 89.95, 82.15, 85.15, 90.5, 94.7, 87.95, 85.85, 86.75, 84.25, 86.6}
rand	=	0.08
(T - P)	=	{5.85, 0.5, 0.25, 4.05, 3.05, 7.15, 2.4, 0.7, 13.85, 0.2, 0.95, 8.75, 8.4, 3.95, 4.5, 12.4, 1.75, 1.25, 2.35, 0.5, 8.9, 0.4, 2.3, 1.05, 0.85, 0, 3.05, 2.9, 0.35, 1.45, 0, 2.5}
rand . (T - P)	=	{0.47, 0.04, 0.02, 0.32, 0.24, 0.57, 0.19, 0.06, 1.11, 0.02, 0.08, 0.70, 0.67, 0.32, 0.36, 0.99, 0.14, 0.10, 0.19, 0.04, 0.71, 0.03, 0.18, 0.08, 0.07, 0.00, 0.24, 0.23, 0.03, 0.12, 0.00, 0.20}
Xnew = P + (rand . (T - P))	=	{90.87, 95.09, 83.12, 93.07, 85.69, 71.17, 87.24, 91.61, 83.41, 93.82, 90.48, 73.20, 95.67, 86.82, 80.31, 86.69, 89.89, 92.30, 98.09, 97.54, 79.46, 81.03, 92.43, 83.28, 86.07, 90.50, 97.99, 85.28, 85.53, 88.32, 84.25, 89.30}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-29

P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{96.25, 94.55, 83.35, 96.8, 88.5, 63.45, 84.65, 92.25, 96.15, 94, 89.45, 81.25, 86.6, 90.45, 75.45, 98.1, 88, 93.45, 95.55,

		98, 87.65, 80.6, 89.95, 82.15, 85.15, 90.5, 94.7, 87.95, 85.85, 86.75, 84.25, 86.6}
rand	=	0.09
(T - P)	=	{5.85, 0.5, 0.25, 4.05, 3.05, 7.15, 2.4, 0.7, 13.85, 0.2, 0.95, 8.75, 8.4, 3.95, 4.5, 12.4, 1.75, 1.25, 2.35, 0.5, 8.9, 0.4, 2.3, 1.05, 0.85, 0, 3.05, 2.9, 0.35, 1.45, 0, 2.5}
rand . (T - P)	=	{0.53, 0.05, 0.02, 0.36, 0.27, 0.64, 0.22, 0.06, 1.25, 0.02, 0.09, 0.79, 0.76, 0.36, 0.41, 1.12, 0.16, 0.11, 0.21, 0.05, 0.80, 0.04, 0.21, 0.09, 0.08, 0.00, 0.27, 0.26, 0.03, 0.13, 0.00, 0.23}
Xnew = P + (rand . (T - P))	=	{90.93, 95.10, 83.12, 93.11, 85.72, 71.24, 87.27, 91.61, 83.55, 93.82, 90.49, 73.29, 95.76, 86.86, 80.36, 86.82, 89.91, 92.31, 98.11, 97.55, 79.55, 81.04, 92.46, 83.29, 86.08, 90.50, 98.02, 85.31, 85.53, 88.33, 84.25, 89.33}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-30		
P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{96.25, 94.55, 83.35, 96.8, 88.5, 63.45, 84.65, 92.25, 96.15, 94, 89.45, 81.25, 86.6, 90.45, 75.45, 98.1, 88, 93.45, 95.55, 98, 87.65, 80.6, 89.95, 82.15, 85.15, 90.5, 94.7, 87.95, 85.85, 86.75, 84.25, 86.6}
rand	=	0.1
(T - P)	=	{5.85, 0.5, 0.25, 4.05, 3.05, 7.15, 2.4, 0.7, 13.85, 0.2, 0.95, 8.75, 8.4, 3.95, 4.5, 12.4, 1.75, 1.25, 2.35, 0.5, 8.9, 0.4, 2.3, 1.05, 0.85, 0, 3.05, 2.9, 0.35, 1.45, 0, 2.5}
rand . (T - P)	=	{0.59, 0.05, 0.03, 0.41, 0.31, 0.72, 0.24, 0.07, 1.39, 0.02, 0.10, 0.88, 0.84, 0.40, 0.45, 1.24, 0.18, 0.13, 0.24, 0.05, 0.89, 0.04, 0.23, 0.11, 0.09, 0.00, 0.31, 0.29, 0.04, 0.15, 0.00, 0.25}
Xnew = P + (rand . (T - P))	=	{90.99, 95.10, 83.13, 93.16, 85.76, 71.32, 87.29, 91.62, 83.69, 93.82, 90.50, 73.38, 95.84, 86.90, 80.40, 86.94, 89.93, 92.33, 98.14, 97.55, 79.64, 81.04, 92.48, 83.31, 86.09, 90.50, 98.06, 85.34, 85.54, 88.35, 84.25, 89.35}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-31		
P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}

T(tetangga acuan)	=	{92.55, 90.15, 85.7, 94.5, 89.5, 85.65, 86, 91.95, 88.95, 94.3, 90.75, 82, 96.75, 90.25, 79.95, 91.8, 80.9, 96.5, 98.95, 97.75, 90.5, 83.45, 91, 83.2, 87.25, 90.5, 86.5, 87.75, 86.8, 89.25, 84.25, 89.4}
rand	=	0.01
(T - P)	=	{2.15, 4.9, 2.6, 1.75, 4.05, 15.05, 1.05, 0.4, 6.65, 0.5, 0.35, 9.5, 1.75, 3.75, 0, 6.1, 8.85, 4.3, 1.05, 0.25, 11.75, 2.45, 1.25, 0, 1.25, 0, 11.25, 2.7, 1.3, 1.05, 0, 0.3}
rand . (T - P)	=	{0.02, 0.05, 0.03, 0.02, 0.04, 0.15, 0.01, 0.00, 0.07, 0.01, 0.00, 0.10, 0.02, 0.04, 0.00, 0.06, 0.09, 0.04, 0.01, 0.00, 0.12, 0.02, 0.01, 0.00, 0.01, 0.00, 0.11, 0.03, 0.01, 0.01, 0.00, 0.00}
Xnew = P + (rand . (T - P))	=	{90.42, 95.10, 83.13, 92.77, 85.49, 70.75, 87.06, 91.55, 82.37, 93.81, 90.40, 72.60, 95.02, 86.54, 79.95, 85.76, 89.84, 92.24, 97.91, 97.50, 78.87, 81.02, 92.26, 83.20, 86.01, 90.50, 97.86, 85.08, 85.51, 88.21, 84.25, 89.10}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-32		
P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{92.55, 90.15, 85.7, 94.5, 89.5, 85.65, 86, 91.95, 88.95, 94.3, 90.75, 82, 96.75, 90.25, 79.95, 91.8, 80.9, 96.5, 98.95, 97.75, 90.5, 83.45, 91, 83.2, 87.25, 90.5, 86.5, 87.75, 86.8, 89.25, 84.25, 89.4}
rand	=	0.02
(T - P)	=	{2.15, 4.9, 2.6, 1.75, 4.05, 15.05, 1.05, 0.4, 6.65, 0.5, 0.35, 9.5, 1.75, 3.75, 0, 6.1, 8.85, 4.3, 1.05, 0.25, 11.75, 2.45, 1.25, 0, 1.25, 0, 11.25, 2.7, 1.3, 1.05, 0, 0.3}
rand . (T - P)	=	{0.04, 0.10, 0.05, 0.04, 0.08, 0.30, 0.02, 0.01, 0.13, 0.01, 0.01, 0.19, 0.04, 0.08, 0.00, 0.12, 0.18, 0.09, 0.02, 0.01, 0.24, 0.05, 0.03, 0.00, 0.03, 0.00, 0.23, 0.05, 0.03, 0.02, 0.00, 0.01}
Xnew = P + (rand . (T - P))	=	{90.44, 95.15, 83.15, 92.79, 85.53, 70.90, 87.07, 91.56, 82.43, 93.81, 90.41, 72.69, 95.04, 86.58, 79.95, 85.82, 89.93, 92.29, 97.92, 97.51, 78.99, 81.05, 92.28, 83.20, 86.03, 90.50, 97.98, 85.10, 85.53, 88.22, 84.25, 89.11}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-33		

P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{92.55, 90.15, 85.7, 94.5, 89.5, 85.65, 86, 91.95, 88.95, 94.3, 90.75, 82, 96.75, 90.25, 79.95, 91.8, 80.9, 96.5, 98.95, 97.75, 90.5, 83.45, 91, 83.2, 87.25, 90.5, 86.5, 87.75, 86.8, 89.25, 84.25, 89.4}
rand	=	0.03
(T - P)	=	{2.15, 4.9, 2.6, 1.75, 4.05, 15.05, 1.05, 0.4, 6.65, 0.5, 0.35, 9.5, 1.75, 3.75, 0, 6.1, 8.85, 4.3, 1.05, 0.25, 11.75, 2.45, 1.25, 0, 1.25, 0, 11.25, 2.7, 1.3, 1.05, 0, 0.3}
rand . (T - P)	=	{0.06, 0.15, 0.08, 0.05, 0.12, 0.45, 0.03, 0.01, 0.20, 0.02, 0.01, 0.29, 0.05, 0.11, 0.00, 0.18, 0.27, 0.13, 0.03, 0.01, 0.35, 0.07, 0.04, 0.00, 0.04, 0.00, 0.34, 0.08, 0.04, 0.03, 0.00, 0.01}
Xnew = P + (rand . (T - P))	=	{90.46, 95.20, 83.18, 92.80, 85.57, 71.05, 87.08, 91.56, 82.50, 93.82, 90.41, 72.79, 95.05, 86.61, 79.95, 85.88, 90.02, 92.33, 97.93, 97.51, 79.10, 81.07, 92.29, 83.20, 86.04, 90.50, 98.09, 85.13, 85.54, 88.23, 84.25, 89.11}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-34		
P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{92.55, 90.15, 85.7, 94.5, 89.5, 85.65, 86, 91.95, 88.95, 94.3, 90.75, 82, 96.75, 90.25, 79.95, 91.8, 80.9, 96.5, 98.95, 97.75, 90.5, 83.45, 91, 83.2, 87.25, 90.5, 86.5, 87.75, 86.8, 89.25, 84.25, 89.4}
rand	=	0.04
(T - P)	=	{2.15, 4.9, 2.6, 1.75, 4.05, 15.05, 1.05, 0.4, 6.65, 0.5, 0.35, 9.5, 1.75, 3.75, 0, 6.1, 8.85, 4.3, 1.05, 0.25, 11.75, 2.45, 1.25, 0, 1.25, 0, 11.25, 2.7, 1.3, 1.05, 0, 0.3}
rand . (T - P)	=	{0.09, 0.20, 0.10, 0.07, 0.16, 0.60, 0.04, 0.02, 0.27, 0.02, 0.01, 0.38, 0.07, 0.15, 0.00, 0.24, 0.35, 0.17, 0.04, 0.01, 0.47, 0.10, 0.05, 0.00, 0.05, 0.00, 0.45, 0.11, 0.05, 0.04, 0.00, 0.01}
Xnew = P + (rand . (T - P))	=	{90.49, 95.25, 83.20, 92.82, 85.61, 71.20, 87.09, 91.57, 82.57, 93.82, 90.41, 72.88, 95.07, 86.65, 79.95, 85.94, 90.10, 92.37, 97.94, 97.51, 79.22, 81.10, 92.30, 83.20, 86.05, 90.50, 98.20, 85.16, 85.55, 88.24, 84.25, 89.11}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-35

P(titik sample) = {90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}

T(tetangga acuan) = {92.55, 90.15, 85.7, 94.5, 89.5, 85.65, 86, 91.95, 88.95, 94.3, 90.75, 82, 96.75, 90.25, 79.95, 91.8, 80.9, 96.5, 98.95, 97.75, 90.5, 83.45, 91, 83.2, 87.25, 90.5, 86.5, 87.75, 86.8, 89.25, 84.25, 89.4}

rand = 0.05

(T - P) = {2.15, 4.9, 2.6, 1.75, 4.05, 15.05, 1.05, 0.4, 6.65, 0.5, 0.35, 9.5, 1.75, 3.75, 0, 6.1, 8.85, 4.3, 1.05, 0.25, 11.75, 2.45, 1.25, 0, 1.25, 0, 11.25, 2.7, 1.3, 1.05, 0, 0.3}

rand . (T - P) = {0.11, 0.25, 0.13, 0.09, 0.20, 0.75, 0.05, 0.02, 0.33, 0.03, 0.02, 0.48, 0.09, 0.19, 0.00, 0.31, 0.44, 0.22, 0.05, 0.01, 0.59, 0.12, 0.06, 0.00, 0.06, 0.00, 0.56, 0.14, 0.07, 0.05, 0.00, 0.02}

Xnew = P + (rand . (T - P)) = {90.51, 95.30, 83.23, 92.84, 85.65, 71.35, 87.10, 91.57, 82.63, 93.83, 90.42, 72.98, 95.09, 86.69, 79.95, 86.01, 90.19, 92.42, 97.95, 97.51, 79.34, 81.12, 92.31, 83.20, 86.06, 90.50, 98.31, 85.19, 85.57, 88.25, 84.25, 89.12}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-36

P(titik sample) = {90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}

T(tetangga acuan) = {92.55, 90.15, 85.7, 94.5, 89.5, 85.65, 86, 91.95, 88.95, 94.3, 90.75, 82, 96.75, 90.25, 79.95, 91.8, 80.9, 96.5, 98.95, 97.75, 90.5, 83.45, 91, 83.2, 87.25, 90.5, 86.5, 87.75, 86.8, 89.25, 84.25, 89.4}

rand = 0.06

(T - P) = {2.15, 4.9, 2.6, 1.75, 4.05, 15.05, 1.05, 0.4, 6.65, 0.5, 0.35, 9.5, 1.75, 3.75, 0, 6.1, 8.85, 4.3, 1.05, 0.25, 11.75, 2.45, 1.25, 0, 1.25, 0, 11.25, 2.7, 1.3, 1.05, 0, 0.3}

rand . (T - P) = {0.13, 0.29, 0.16, 0.11, 0.24, 0.90, 0.06, 0.02, 0.40, 0.03, 0.02, 0.57, 0.11, 0.23, 0.00, 0.37, 0.53, 0.26, 0.06, 0.02, 0.71, 0.15, 0.08, 0.00, 0.08, 0.00, 0.68, 0.16, 0.08, 0.06, 0.00, 0.02}

Xnew = P + (rand . (T - P)) = {90.53, 95.34, 83.26, 92.86, 85.69, 71.50, 87.11, 91.57, 82.70, 93.83, 90.42, 73.07, 95.11, 86.73, 79.95, 86.07, 90.28, 92.46,

97.96, 97.52, 79.46, 81.15, 92.33, 83.20, 86.08, 90.50, 98.43, 85.21, 85.58, 88.26, 84.25, 89.12}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-37

P(titik sample) = {90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}

T(tetangga acuan) = {92.55, 90.15, 85.7, 94.5, 89.5, 85.65, 86, 91.95, 88.95, 94.3, 90.75, 82, 96.75, 90.25, 79.95, 91.8, 80.9, 96.5, 98.95, 97.75, 90.5, 83.45, 91, 83.2, 87.25, 90.5, 86.5, 87.75, 86.8, 89.25, 84.25, 89.4}

rand = 0.07

(T - P) = {2.15, 4.9, 2.6, 1.75, 4.05, 15.05, 1.05, 0.4, 6.65, 0.5, 0.35, 9.5, 1.75, 3.75, 0, 6.1, 8.85, 4.3, 1.05, 0.25, 11.75, 2.45, 1.25, 0, 1.25, 0, 11.25, 2.7, 1.3, 1.05, 0, 0.3}

rand . (T - P) = {0.15, 0.34, 0.18, 0.12, 0.28, 1.05, 0.07, 0.03, 0.47, 0.04, 0.02, 0.67, 0.12, 0.26, 0.00, 0.43, 0.62, 0.30, 0.07, 0.02, 0.82, 0.17, 0.09, 0.00, 0.09, 0.00, 0.79, 0.19, 0.09, 0.07, 0.00, 0.02}

Xnew = P + (rand . (T - P)) = {90.55, 95.39, 83.28, 92.87, 85.73, 71.65, 87.12, 91.58, 82.77, 93.84, 90.42, 73.17, 95.12, 86.76, 79.95, 86.13, 90.37, 92.50, 97.97, 97.52, 79.57, 81.17, 92.34, 83.20, 86.09, 90.50, 98.54, 85.24, 85.59, 88.27, 84.25, 89.12}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-38

P(titik sample) = {90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}

T(tetangga acuan) = {92.55, 90.15, 85.7, 94.5, 89.5, 85.65, 86, 91.95, 88.95, 94.3, 90.75, 82, 96.75, 90.25, 79.95, 91.8, 80.9, 96.5, 98.95, 97.75, 90.5, 83.45, 91, 83.2, 87.25, 90.5, 86.5, 87.75, 86.8, 89.25, 84.25, 89.4}

rand = 0.08

(T - P) = {2.15, 4.9, 2.6, 1.75, 4.05, 15.05, 1.05, 0.4, 6.65, 0.5, 0.35, 9.5, 1.75, 3.75, 0, 6.1, 8.85, 4.3, 1.05, 0.25, 11.75, 2.45, 1.25, 0, 1.25, 0, 11.25, 2.7, 1.3, 1.05, 0, 0.3}

rand . (T - P) = {0.17, 0.39, 0.21, 0.14, 0.32, 1.20, 0.08, 0.03, 0.53, 0.04, 0.03, 0.76, 0.14, 0.30, 0.00, 0.49, 0.71, 0.34, 0.08, 0.02, 0.94, 0.20, 0.10, 0.00, 0.10, 0.00, 0.90, 0.22, 0.10, 0.08, 0.00, 0.02}

$$\begin{aligned} X_{\text{new}} = P + (\text{rand} \cdot (T - P)) &= \{90.57, 95.44, 83.31, 92.89, 85.77, 71.80, 87.13, 91.58, 82.83, \\ &93.84, 90.43, 73.26, 95.14, 86.80, 79.95, 86.19, 90.46, 92.54, \\ &97.98, 97.52, 79.69, 81.20, 92.35, 83.20, 86.10, 90.50, 98.65, \\ &85.27, 85.60, 88.28, 84.25, 89.12\} \end{aligned}$$

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-39

$$P(\text{titik sample}) = \{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1\}$$

$$T(\text{tetangga acuan}) = \{92.55, 90.15, 85.7, 94.5, 89.5, 85.65, 86, 91.95, 88.95, 94.3, 90.75, 82, 96.75, 90.25, 79.95, 91.8, 80.9, 96.5, 98.95, 97.75, 90.5, 83.45, 91, 83.2, 87.25, 90.5, 86.5, 87.75, 86.8, 89.25, 84.25, 89.4\}$$

$$\text{rand} = 0.09$$

$$(T - P) = \{2.15, 4.9, 2.6, 1.75, 4.05, 15.05, 1.05, 0.4, 6.65, 0.5, 0.35, 9.5, 1.75, 3.75, 0, 6.1, 8.85, 4.3, 1.05, 0.25, 11.75, 2.45, 1.25, 0, 1.25, 0, 11.25, 2.7, 1.3, 1.05, 0, 0.3\}$$

$$\text{rand} \cdot (T - P) = \{0.19, 0.44, 0.23, 0.16, 0.36, 1.35, 0.09, 0.04, 0.60, 0.05, 0.03, 0.86, 0.16, 0.34, 0.00, 0.55, 0.80, 0.39, 0.09, 0.02, 1.06, 0.22, 0.11, 0.00, 0.11, 0.00, 1.01, 0.24, 0.12, 0.09, 0.00, 0.03\}$$

$$\begin{aligned} X_{\text{new}} = P + (\text{rand} \cdot (T - P)) &= \{90.59, 95.49, 83.33, 92.91, 85.81, 71.95, 87.14, 91.59, 82.90, \\ &93.85, 90.43, 73.36, 95.16, 86.84, 79.95, 86.25, 90.55, 92.59, \\ &97.99, 97.52, 79.81, 81.22, 92.36, 83.20, 86.11, 90.50, 98.76, \\ &85.29, 85.62, 88.29, 84.25, 89.13\} \end{aligned}$$

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-40

$$P(\text{titik sample}) = \{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1\}$$

$$T(\text{tetangga acuan}) = \{92.55, 90.15, 85.7, 94.5, 89.5, 85.65, 86, 91.95, 88.95, 94.3, 90.75, 82, 96.75, 90.25, 79.95, 91.8, 80.9, 96.5, 98.95, 97.75, 90.5, 83.45, 91, 83.2, 87.25, 90.5, 86.5, 87.75, 86.8, 89.25, 84.25, 89.4\}$$

$$\text{rand} = 0.1$$

$$(T - P) = \{2.15, 4.9, 2.6, 1.75, 4.05, 15.05, 1.05, 0.4, 6.65, 0.5, 0.35, 9.5, 1.75, 3.75, 0, 6.1, 8.85, 4.3, 1.05, 0.25, 11.75, 2.45, 1.25, 0, 1.25, 0, 11.25, 2.7, 1.3, 1.05, 0, 0.3\}$$

rand . (T - P)	=	{0.22, 0.49, 0.26, 0.18, 0.41, 1.51, 0.11, 0.04, 0.67, 0.05, 0.04, 0.95, 0.18, 0.38, 0.00, 0.61, 0.89, 0.43, 0.11, 0.03, 1.18, 0.25, 0.13, 0.00, 0.13, 0.00, 1.13, 0.27, 0.13, 0.11, 0.00, 0.03}
Xnew = P + (rand . (T - P))	=	{90.62, 95.54, 83.36, 92.93, 85.86, 72.11, 87.16, 91.59, 82.97, 93.85, 90.44, 73.45, 95.18, 86.88, 79.95, 86.31, 90.64, 92.63, 98.01, 97.53, 79.93, 81.25, 92.38, 83.20, 86.13, 90.50, 98.88, 85.32, 85.63, 88.31, 84.25, 89.13}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-41		
P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{91.65, 90.75, 83.4, 90.25, 97, 85, 85.5, 92.95, 92.7, 90, 89.25, 73.95, 94, 86.5, 81.25, 93.9, 91.5, 98.75, 98.95, 97.5, 90.5, 92.7, 98.5, 89.35, 89.75, 90.5, 86.5, 87.05, 85.5, 89.25, 83, 89.3}
rand	=	0.01
(T - P)	=	{1.25, 4.3, 0.3, 2.5, 11.55, 14.4, 1.55, 1.4, 10.4, 3.8, 1.15, 1.45, 1, 0, 1.3, 8.2, 1.75, 6.55, 1.05, 0, 11.75, 11.7, 6.25, 6.15, 3.75, 0, 11.25, 2, 0, 1.05, 1.25, 0.2}
rand . (T - P)	=	{0.01, 0.04, 0.00, 0.03, 0.12, 0.14, 0.02, 0.01, 0.10, 0.04, 0.01, 0.01, 0.01, 0.00, 0.01, 0.08, 0.02, 0.07, 0.01, 0.00, 0.12, 0.12, 0.06, 0.06, 0.04, 0.00, 0.11, 0.02, 0.00, 0.01, 0.01, 0.00}
Xnew = P + (rand . (T - P))	=	{90.41, 95.09, 83.10, 92.78, 85.57, 70.74, 87.07, 91.56, 82.40, 93.84, 90.41, 72.51, 95.01, 86.50, 79.96, 85.78, 89.77, 92.27, 97.91, 97.50, 78.87, 81.12, 92.31, 83.26, 86.04, 90.50, 97.86, 85.07, 85.50, 88.21, 84.26, 89.10}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-42		
P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{91.65, 90.75, 83.4, 90.25, 97, 85, 85.5, 92.95, 92.7, 90, 89.25, 73.95, 94, 86.5, 81.25, 93.9, 91.5, 98.75, 98.95, 97.5, 90.5, 92.7, 98.5, 89.35, 89.75, 90.5, 86.5, 87.05, 85.5, 89.25, 83, 89.3}
rand	=	0.02

(T - P)	=	{1.25, 4.3, 0.3, 2.5, 11.55, 14.4, 1.55, 1.4, 10.4, 3.8, 1.15, 1.45, 1, 0, 1.3, 8.2, 1.75, 6.55, 1.05, 0, 11.75, 11.7, 6.25, 6.15, 3.75, 0, 11.25, 2, 0, 1.05, 1.25, 0.2}
rand . (T - P)	=	{0.03, 0.09, 0.01, 0.05, 0.23, 0.29, 0.03, 0.03, 0.21, 0.08, 0.02, 0.03, 0.02, 0.00, 0.03, 0.16, 0.04, 0.13, 0.02, 0.00, 0.24, 0.23, 0.13, 0.12, 0.08, 0.00, 0.23, 0.04, 0.00, 0.02, 0.03, 0.00}
Xnew = P + (rand . (T - P))	=	{90.43, 95.14, 83.11, 92.80, 85.68, 70.89, 87.08, 91.58, 82.51, 93.88, 90.42, 72.53, 95.02, 86.50, 79.98, 85.86, 89.79, 92.33, 97.92, 97.50, 78.99, 81.23, 92.38, 83.32, 86.08, 90.50, 97.98, 85.09, 85.50, 88.22, 84.28, 89.10}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-43

P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{91.65, 90.75, 83.4, 90.25, 97, 85, 85.5, 92.95, 92.7, 90, 89.25, 73.95, 94, 86.5, 81.25, 93.9, 91.5, 98.75, 98.95, 97.5, 90.5, 92.7, 98.5, 89.35, 89.75, 90.5, 86.5, 87.05, 85.5, 89.25, 83, 89.3}
rand	=	0.03
(T - P)	=	{1.25, 4.3, 0.3, 2.5, 11.55, 14.4, 1.55, 1.4, 10.4, 3.8, 1.15, 1.45, 1, 0, 1.3, 8.2, 1.75, 6.55, 1.05, 0, 11.75, 11.7, 6.25, 6.15, 3.75, 0, 11.25, 2, 0, 1.05, 1.25, 0.2}
rand . (T - P)	=	{0.04, 0.13, 0.01, 0.08, 0.35, 0.43, 0.05, 0.04, 0.31, 0.11, 0.03, 0.04, 0.03, 0.00, 0.04, 0.25, 0.05, 0.20, 0.03, 0.00, 0.35, 0.35, 0.19, 0.18, 0.11, 0.00, 0.34, 0.06, 0.00, 0.03, 0.04, 0.01}
Xnew = P + (rand . (T - P))	=	{90.44, 95.18, 83.11, 92.83, 85.80, 71.03, 87.10, 91.59, 82.61, 93.91, 90.43, 72.54, 95.03, 86.50, 79.99, 85.95, 89.80, 92.40, 97.93, 97.50, 79.10, 81.35, 92.44, 83.38, 86.11, 90.50, 98.09, 85.11, 85.50, 88.23, 84.29, 89.11}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-44

P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{91.65, 90.75, 83.4, 90.25, 97, 85, 85.5, 92.95, 92.7, 90, 89.25, 73.95, 94, 86.5, 81.25, 93.9, 91.5, 98.75, 98.95, 97.5, 90.5, 92.7, 98.5, 89.35, 89.75, 90.5, 86.5, 87.05, 85.5, 89.25, 83, 89.3}

rand	=	0.04
(T - P)	=	{1.25, 4.3, 0.3, 2.5, 11.55, 14.4, 1.55, 1.4, 10.4, 3.8, 1.15, 1.45, 1, 0, 1.3, 8.2, 1.75, 6.55, 1.05, 0, 11.75, 11.7, 6.25, 6.15, 3.75, 0, 11.25, 2, 0, 1.05, 1.25, 0.2}
rand . (T - P)	=	{0.05, 0.17, 0.01, 0.10, 0.46, 0.58, 0.06, 0.06, 0.42, 0.15, 0.05, 0.06, 0.04, 0.00, 0.05, 0.33, 0.07, 0.26, 0.04, 0.00, 0.47, 0.47, 0.25, 0.25, 0.15, 0.00, 0.45, 0.08, 0.00, 0.04, 0.05, 0.01}
Xnew = P + (rand . (T - P))	=	{90.45, 95.22, 83.11, 92.85, 85.91, 71.18, 87.11, 91.61, 82.72, 93.95, 90.45, 72.56, 95.04, 86.50, 80.00, 86.03, 89.82, 92.46, 97.94, 97.50, 79.22, 81.47, 92.50, 83.45, 86.15, 90.50, 98.20, 85.13, 85.50, 88.24, 84.30, 89.11}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-45

P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{91.65, 90.75, 83.4, 90.25, 97, 85, 85.5, 92.95, 92.7, 90, 89.25, 73.95, 94, 86.5, 81.25, 93.9, 91.5, 98.75, 98.95, 97.5, 90.5, 92.7, 98.5, 89.35, 89.75, 90.5, 86.5, 87.05, 85.5, 89.25, 83, 89.3}
rand	=	0.05
(T - P)	=	{1.25, 4.3, 0.3, 2.5, 11.55, 14.4, 1.55, 1.4, 10.4, 3.8, 1.15, 1.45, 1, 0, 1.3, 8.2, 1.75, 6.55, 1.05, 0, 11.75, 11.7, 6.25, 6.15, 3.75, 0, 11.25, 2, 0, 1.05, 1.25, 0.2}
rand . (T - P)	=	{0.06, 0.22, 0.02, 0.13, 0.58, 0.72, 0.08, 0.07, 0.52, 0.19, 0.06, 0.07, 0.05, 0.00, 0.07, 0.41, 0.09, 0.33, 0.05, 0.00, 0.59, 0.59, 0.31, 0.31, 0.19, 0.00, 0.56, 0.10, 0.00, 0.05, 0.06, 0.01}
Xnew = P + (rand . (T - P))	=	{90.46, 95.27, 83.12, 92.88, 86.03, 71.32, 87.13, 91.62, 82.82, 93.99, 90.46, 72.57, 95.05, 86.50, 80.02, 86.11, 89.84, 92.53, 97.95, 97.50, 79.34, 81.59, 92.56, 83.51, 86.19, 90.50, 98.31, 85.15, 85.50, 88.25, 84.31, 89.11}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-46

P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{91.65, 90.75, 83.4, 90.25, 97, 85, 85.5, 92.95, 92.7, 90, 89.25, 73.95, 94, 86.5, 81.25, 93.9, 91.5, 98.75, 98.95, 97.5, 90.5,

		92.7, 98.5, 89.35, 89.75, 90.5, 86.5, 87.05, 85.5, 89.25, 83, 89.3}
rand	=	0.06
(T - P)	=	{1.25, 4.3, 0.3, 2.5, 11.55, 14.4, 1.55, 1.4, 10.4, 3.8, 1.15, 1.45, 1, 0, 1.3, 8.2, 1.75, 6.55, 1.05, 0, 11.75, 11.7, 6.25, 6.15, 3.75, 0, 11.25, 2, 0, 1.05, 1.25, 0.2}
rand . (T - P)	=	{0.08, 0.26, 0.02, 0.15, 0.69, 0.86, 0.09, 0.08, 0.62, 0.23, 0.07, 0.09, 0.06, 0.00, 0.08, 0.49, 0.11, 0.39, 0.06, 0.00, 0.71, 0.70, 0.38, 0.37, 0.23, 0.00, 0.68, 0.12, 0.00, 0.06, 0.08, 0.01}
Xnew = P + (rand . (T - P))	=	{90.48, 95.31, 83.12, 92.90, 86.14, 71.46, 87.14, 91.63, 82.92, 94.03, 90.47, 72.59, 95.06, 86.50, 80.03, 86.19, 89.86, 92.59, 97.96, 97.50, 79.46, 81.70, 92.63, 83.57, 86.23, 90.50, 98.43, 85.17, 85.50, 88.26, 84.33, 89.11}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-47		
P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{91.65, 90.75, 83.4, 90.25, 97, 85, 85.5, 92.95, 92.7, 90, 89.25, 73.95, 94, 86.5, 81.25, 93.9, 91.5, 98.75, 98.95, 97.5, 90.5, 92.7, 98.5, 89.35, 89.75, 90.5, 86.5, 87.05, 85.5, 89.25, 83, 89.3}
rand	=	0.07
(T - P)	=	{1.25, 4.3, 0.3, 2.5, 11.55, 14.4, 1.55, 1.4, 10.4, 3.8, 1.15, 1.45, 1, 0, 1.3, 8.2, 1.75, 6.55, 1.05, 0, 11.75, 11.7, 6.25, 6.15, 3.75, 0, 11.25, 2, 0, 1.05, 1.25, 0.2}
rand . (T - P)	=	{0.09, 0.30, 0.02, 0.18, 0.81, 1.01, 0.11, 0.10, 0.73, 0.27, 0.08, 0.10, 0.07, 0.00, 0.09, 0.57, 0.12, 0.46, 0.07, 0.00, 0.82, 0.82, 0.44, 0.43, 0.26, 0.00, 0.79, 0.14, 0.00, 0.07, 0.09, 0.01}
Xnew = P + (rand . (T - P))	=	{90.49, 95.35, 83.12, 92.93, 86.26, 71.61, 87.16, 91.65, 83.03, 94.07, 90.48, 72.60, 95.07, 86.50, 80.04, 86.27, 89.87, 92.66, 97.97, 97.50, 79.57, 81.82, 92.69, 83.63, 86.26, 90.50, 98.54, 85.19, 85.50, 88.27, 84.34, 89.11}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-48		
P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}

T(tetangga acuan)	=	{91.65, 90.75, 83.4, 90.25, 97, 85, 85.5, 92.95, 92.7, 90, 89.25, 73.95, 94, 86.5, 81.25, 93.9, 91.5, 98.75, 98.95, 97.5, 90.5, 92.7, 98.5, 89.35, 89.75, 90.5, 86.5, 87.05, 85.5, 89.25, 83, 89.3}
rand	=	0.08
(T - P)	=	{1.25, 4.3, 0.3, 2.5, 11.55, 14.4, 1.55, 1.4, 10.4, 3.8, 1.15, 1.45, 1, 0, 1.3, 8.2, 1.75, 6.55, 1.05, 0, 11.75, 11.7, 6.25, 6.15, 3.75, 0, 11.25, 2, 0, 1.05, 1.25, 0.2}
rand . (T - P)	=	{0.10, 0.34, 0.02, 0.20, 0.92, 1.15, 0.12, 0.11, 0.83, 0.30, 0.09, 0.12, 0.08, 0.00, 0.10, 0.66, 0.14, 0.52, 0.08, 0.00, 0.94, 0.94, 0.50, 0.49, 0.30, 0.00, 0.90, 0.16, 0.00, 0.08, 0.10, 0.02}
Xnew = P + (rand . (T - P))	=	{90.50, 95.39, 83.12, 92.95, 86.37, 71.75, 87.17, 91.66, 83.13, 94.10, 90.49, 72.62, 95.08, 86.50, 80.05, 86.36, 89.89, 92.72, 97.98, 97.50, 79.69, 81.94, 92.75, 83.69, 86.30, 90.50, 98.65, 85.21, 85.50, 88.28, 84.35, 89.12}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-49		
P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{91.65, 90.75, 83.4, 90.25, 97, 85, 85.5, 92.95, 92.7, 90, 89.25, 73.95, 94, 86.5, 81.25, 93.9, 91.5, 98.75, 98.95, 97.5, 90.5, 92.7, 98.5, 89.35, 89.75, 90.5, 86.5, 87.05, 85.5, 89.25, 83, 89.3}
rand	=	0.09
(T - P)	=	{1.25, 4.3, 0.3, 2.5, 11.55, 14.4, 1.55, 1.4, 10.4, 3.8, 1.15, 1.45, 1, 0, 1.3, 8.2, 1.75, 6.55, 1.05, 0, 11.75, 11.7, 6.25, 6.15, 3.75, 0, 11.25, 2, 0, 1.05, 1.25, 0.2}
rand . (T - P)	=	{0.11, 0.39, 0.03, 0.23, 1.04, 1.30, 0.14, 0.13, 0.94, 0.34, 0.10, 0.13, 0.09, 0.00, 0.12, 0.74, 0.16, 0.59, 0.09, 0.00, 1.06, 1.05, 0.56, 0.55, 0.34, 0.00, 1.01, 0.18, 0.00, 0.09, 0.11, 0.02}
Xnew = P + (rand . (T - P))	=	{90.51, 95.44, 83.13, 92.98, 86.49, 71.90, 87.19, 91.68, 83.24, 94.14, 90.50, 72.63, 95.09, 86.50, 80.07, 86.44, 89.91, 92.79, 97.99, 97.50, 79.81, 82.05, 92.81, 83.75, 86.34, 90.50, 98.76, 85.23, 85.50, 88.29, 84.36, 89.12}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-50		

P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{91.65, 90.75, 83.4, 90.25, 97, 85, 85.5, 92.95, 92.7, 90, 89.25, 73.95, 94, 86.5, 81.25, 93.9, 91.5, 98.75, 98.95, 97.5, 90.5, 92.7, 98.5, 89.35, 89.75, 90.5, 86.5, 87.05, 85.5, 89.25, 83, 89.3}
rand	=	0.1
(T - P)	=	{1.25, 4.3, 0.3, 2.5, 11.55, 14.4, 1.55, 1.4, 10.4, 3.8, 1.15, 1.45, 1, 0, 1.3, 8.2, 1.75, 6.55, 1.05, 0, 11.75, 11.7, 6.25, 6.15, 3.75, 0, 11.25, 2, 0, 1.05, 1.25, 0.2}
rand . (T - P)	=	{0.13, 0.43, 0.03, 0.25, 1.16, 1.44, 0.16, 0.14, 1.04, 0.38, 0.12, 0.15, 0.10, 0.00, 0.13, 0.82, 0.18, 0.66, 0.11, 0.00, 1.18, 1.17, 0.63, 0.62, 0.38, 0.00, 1.13, 0.20, 0.00, 0.11, 0.13, 0.02}
Xnew = P + (rand . (T - P))	=	{90.53, 95.48, 83.13, 93.00, 86.61, 72.04, 87.21, 91.69, 83.34, 94.18, 90.52, 72.65, 95.10, 86.50, 80.08, 86.52, 89.93, 92.86, 98.01, 97.50, 79.93, 82.17, 92.88, 83.82, 86.38, 90.50, 98.88, 85.25, 85.50, 88.31, 84.38, 89.12}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-51		
P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{86.75, 90.45, 82.95, 99.25, 92, 86.75, 85.9, 83.2, 92.65, 88.1, 89.75, 81.5, 96.75, 85.45, 78.25, 92.35, 89.5, 97.7, 98.95, 98, 90.5, 94.2, 95.75, 89.35, 88.25, 90.5, 87, 87.75, 86.55, 89.25, 84.25, 89.1}
rand	=	0.01
(T - P)	=	{3.65, 4.6, 0.15, 6.5, 6.55, 16.15, 1.15, 8.35, 10.35, 5.7, 0.65, 9, 1.75, 1.05, 1.7, 6.65, 0.25, 5.5, 1.05, 0.5, 11.75, 13.2, 3.5, 6.15, 2.25, 0, 10.75, 2.7, 1.05, 1.05, 0, 0}
rand . (T - P)	=	{0.04, 0.05, 0.00, 0.07, 0.07, 0.16, 0.01, 0.08, 0.10, 0.06, 0.01, 0.09, 0.02, 0.01, 0.02, 0.07, 0.00, 0.06, 0.01, 0.01, 0.12, 0.13, 0.04, 0.06, 0.02, 0.00, 0.11, 0.03, 0.01, 0.01, 0.00, 0.00}
Xnew = P + (rand . (T - P))	=	{90.44, 95.10, 83.10, 92.82, 85.52, 70.76, 87.06, 91.63, 82.40, 93.86, 90.41, 72.59, 95.02, 86.51, 79.97, 85.77, 89.75, 92.26, 97.91, 97.51, 78.87, 81.13, 92.29, 83.26, 86.02, 90.50, 97.86, 85.08, 85.51, 88.21, 84.25, 89.10}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-52

P(titik sample) = {90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}

T(tetangga acuan) = {86.75, 90.45, 82.95, 99.25, 92, 86.75, 85.9, 83.2, 92.65, 88.1, 89.75, 81.5, 96.75, 85.45, 78.25, 92.35, 89.5, 97.7, 98.95, 98, 90.5, 94.2, 95.75, 89.35, 88.25, 90.5, 87, 87.75, 86.55, 89.25, 84.25, 89.1}

rand = 0.02

(T - P) = {3.65, 4.6, 0.15, 6.5, 6.55, 16.15, 1.15, 8.35, 10.35, 5.7, 0.65, 9, 1.75, 1.05, 1.7, 6.65, 0.25, 5.5, 1.05, 0.5, 11.75, 13.2, 3.5, 6.15, 2.25, 0, 10.75, 2.7, 1.05, 1.05, 0, 0}

rand . (T - P) = {0.07, 0.09, 0.00, 0.13, 0.13, 0.32, 0.02, 0.17, 0.21, 0.11, 0.01, 0.18, 0.04, 0.02, 0.03, 0.13, 0.01, 0.11, 0.02, 0.01, 0.24, 0.26, 0.07, 0.12, 0.05, 0.00, 0.22, 0.05, 0.02, 0.02, 0.00, 0.00}

Xnew = P + (rand . (T - P)) = {90.47, 95.14, 83.10, 92.88, 85.58, 70.92, 87.07, 91.72, 82.51, 93.91, 90.41, 72.68, 95.04, 86.52, 79.98, 85.83, 89.76, 92.31, 97.92, 97.51, 78.99, 81.26, 92.32, 83.32, 86.05, 90.50, 97.97, 85.10, 85.52, 88.22, 84.25, 89.10}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-53

P(titik sample) = {90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}

T(tetangga acuan) = {86.75, 90.45, 82.95, 99.25, 92, 86.75, 85.9, 83.2, 92.65, 88.1, 89.75, 81.5, 96.75, 85.45, 78.25, 92.35, 89.5, 97.7, 98.95, 98, 90.5, 94.2, 95.75, 89.35, 88.25, 90.5, 87, 87.75, 86.55, 89.25, 84.25, 89.1}

rand = 0.03

(T - P) = {3.65, 4.6, 0.15, 6.5, 6.55, 16.15, 1.15, 8.35, 10.35, 5.7, 0.65, 9, 1.75, 1.05, 1.7, 6.65, 0.25, 5.5, 1.05, 0.5, 11.75, 13.2, 3.5, 6.15, 2.25, 0, 10.75, 2.7, 1.05, 1.05, 0, 0}

rand . (T - P) = {0.11, 0.14, 0.00, 0.20, 0.20, 0.48, 0.03, 0.25, 0.31, 0.17, 0.02, 0.27, 0.05, 0.03, 0.05, 0.20, 0.01, 0.17, 0.03, 0.02, 0.35, 0.40, 0.11, 0.18, 0.07, 0.00, 0.32, 0.08, 0.03, 0.03, 0.00, 0.00}

Xnew = P + (rand . (T - P)) = {90.51, 95.19, 83.10, 92.95, 85.65, 71.08, 87.08, 91.80, 82.61, 93.97, 90.42, 72.77, 95.05, 86.53, 80.00, 85.90, 89.76, 92.37,

97.93, 97.52, 79.10, 81.40, 92.36, 83.38, 86.07, 90.50, 98.07, 85.13, 85.53, 88.23, 84.25, 89.10}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-54

P(titik sample) = {90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}

T(tetangga acuan) = {86.75, 90.45, 82.95, 99.25, 92, 86.75, 85.9, 83.2, 92.65, 88.1, 89.75, 81.5, 96.75, 85.45, 78.25, 92.35, 89.5, 97.7, 98.95, 98, 90.5, 94.2, 95.75, 89.35, 88.25, 90.5, 87, 87.75, 86.55, 89.25, 84.25, 89.1}

rand = 0.04

(T - P) = {3.65, 4.6, 0.15, 6.5, 6.55, 16.15, 1.15, 8.35, 10.35, 5.7, 0.65, 9, 1.75, 1.05, 1.7, 6.65, 0.25, 5.5, 1.05, 0.5, 11.75, 13.2, 3.5, 6.15, 2.25, 0, 10.75, 2.7, 1.05, 1.05, 0, 0}

rand . (T - P) = {0.15, 0.18, 0.01, 0.26, 0.26, 0.65, 0.05, 0.33, 0.41, 0.23, 0.03, 0.36, 0.07, 0.04, 0.07, 0.27, 0.01, 0.22, 0.04, 0.02, 0.47, 0.53, 0.14, 0.25, 0.09, 0.00, 0.43, 0.11, 0.04, 0.04, 0.00, 0.00}

Xnew = P + (rand . (T - P)) = {90.55, 95.23, 83.11, 93.01, 85.71, 71.25, 87.10, 91.88, 82.71, 94.03, 90.43, 72.86, 95.07, 86.54, 80.02, 85.97, 89.76, 92.42, 97.94, 97.52, 79.22, 81.53, 92.39, 83.45, 86.09, 90.50, 98.18, 85.16, 85.54, 88.24, 84.25, 89.10}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-55

P(titik sample) = {90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}

T(tetangga acuan) = {86.75, 90.45, 82.95, 99.25, 92, 86.75, 85.9, 83.2, 92.65, 88.1, 89.75, 81.5, 96.75, 85.45, 78.25, 92.35, 89.5, 97.7, 98.95, 98, 90.5, 94.2, 95.75, 89.35, 88.25, 90.5, 87, 87.75, 86.55, 89.25, 84.25, 89.1}

rand = 0.05

(T - P) = {3.65, 4.6, 0.15, 6.5, 6.55, 16.15, 1.15, 8.35, 10.35, 5.7, 0.65, 9, 1.75, 1.05, 1.7, 6.65, 0.25, 5.5, 1.05, 0.5, 11.75, 13.2, 3.5, 6.15, 2.25, 0, 10.75, 2.7, 1.05, 1.05, 0, 0}

rand . (T - P) = {0.18, 0.23, 0.01, 0.33, 0.33, 0.81, 0.06, 0.42, 0.52, 0.29, 0.03, 0.45, 0.09, 0.05, 0.09, 0.33, 0.01, 0.28, 0.05, 0.03, 0.59, 0.66, 0.18, 0.31, 0.11, 0.00, 0.54, 0.14, 0.05, 0.05, 0.00, 0.00}

$$\begin{aligned} X_{\text{new}} = P + (\text{rand} \cdot (T - P)) &= \{90.58, 95.28, 83.11, 93.08, 85.78, 71.41, 87.11, 91.97, 82.82, \\ &94.09, 90.43, 72.95, 95.09, 86.55, 80.04, 86.03, 89.76, 92.48, \\ &97.95, 97.53, 79.34, 81.66, 92.43, 83.51, 86.11, 90.50, 98.29, \\ &85.19, 85.55, 88.25, 84.25, 89.10\} \end{aligned}$$

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-56

$$P(\text{titik sample}) = \{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1\}$$

$$T(\text{tetangga acuan}) = \{86.75, 90.45, 82.95, 99.25, 92, 86.75, 85.9, 83.2, 92.65, 88.1, 89.75, 81.5, 96.75, 85.45, 78.25, 92.35, 89.5, 97.7, 98.95, 98, 90.5, 94.2, 95.75, 89.35, 88.25, 90.5, 87, 87.75, 86.55, 89.25, 84.25, 89.1\}$$

$$\text{rand} = 0.06$$

$$(T - P) = \{3.65, 4.6, 0.15, 6.5, 6.55, 16.15, 1.15, 8.35, 10.35, 5.7, 0.65, 9, 1.75, 1.05, 1.7, 6.65, 0.25, 5.5, 1.05, 0.5, 11.75, 13.2, 3.5, 6.15, 2.25, 0, 10.75, 2.7, 1.05, 1.05, 0, 0\}$$

$$\text{rand} \cdot (T - P) = \{0.22, 0.28, 0.01, 0.39, 0.39, 0.97, 0.07, 0.50, 0.62, 0.34, 0.04, 0.54, 0.11, 0.06, 0.10, 0.40, 0.02, 0.33, 0.06, 0.03, 0.71, 0.79, 0.21, 0.37, 0.14, 0.00, 0.65, 0.16, 0.06, 0.06, 0.00, 0.00\}$$

$$\begin{aligned} X_{\text{new}} = P + (\text{rand} \cdot (T - P)) &= \{90.62, 95.33, 83.11, 93.14, 85.84, 71.57, 87.12, 92.05, 82.92, \\ &94.14, 90.44, 73.04, 95.11, 86.56, 80.05, 86.10, 89.77, 92.53, \\ &97.96, 97.53, 79.46, 81.79, 92.46, 83.57, 86.14, 90.50, 98.40, \\ &85.21, 85.56, 88.26, 84.25, 89.10\} \end{aligned}$$

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-57

$$P(\text{titik sample}) = \{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1\}$$

$$T(\text{tetangga acuan}) = \{86.75, 90.45, 82.95, 99.25, 92, 86.75, 85.9, 83.2, 92.65, 88.1, 89.75, 81.5, 96.75, 85.45, 78.25, 92.35, 89.5, 97.7, 98.95, 98, 90.5, 94.2, 95.75, 89.35, 88.25, 90.5, 87, 87.75, 86.55, 89.25, 84.25, 89.1\}$$

$$\text{rand} = 0.07$$

$$(T - P) = \{3.65, 4.6, 0.15, 6.5, 6.55, 16.15, 1.15, 8.35, 10.35, 5.7, 0.65, 9, 1.75, 1.05, 1.7, 6.65, 0.25, 5.5, 1.05, 0.5, 11.75, 13.2, 3.5, 6.15, 2.25, 0, 10.75, 2.7, 1.05, 1.05, 0, 0\}$$

$$\text{rand. (T - P)} = \{0.26, 0.32, 0.01, 0.46, 0.46, 1.13, 0.08, 0.58, 0.72, 0.40, 0.05, 0.63, 0.12, 0.07, 0.12, 0.47, 0.02, 0.39, 0.07, 0.04, 0.82, 0.92, 0.25, 0.43, 0.16, 0.00, 0.75, 0.19, 0.07, 0.07, 0.00, 0.00\}$$

$$\text{Xnew = P + (rand. (T - P))} = \{90.66, 95.37, 83.11, 93.21, 85.91, 71.73, 87.13, 92.13, 83.02, 94.20, 90.45, 73.13, 95.12, 86.57, 80.07, 86.17, 89.77, 92.59, 97.97, 97.54, 79.57, 81.92, 92.50, 83.63, 86.16, 90.50, 98.50, 85.24, 85.57, 88.27, 84.25, 89.10\}$$

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-58

$$\text{P(titik sample)} = \{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1\}$$

$$\text{T(tetangga acuan)} = \{86.75, 90.45, 82.95, 99.25, 92, 86.75, 85.9, 83.2, 92.65, 88.1, 89.75, 81.5, 96.75, 85.45, 78.25, 92.35, 89.5, 97.7, 98.95, 98, 90.5, 94.2, 95.75, 89.35, 88.25, 90.5, 87, 87.75, 86.55, 89.25, 84.25, 89.1\}$$

$$\text{rand} = 0.08$$

$$\text{(T - P)} = \{3.65, 4.6, 0.15, 6.5, 6.55, 16.15, 1.15, 8.35, 10.35, 5.7, 0.65, 9, 1.75, 1.05, 1.7, 6.65, 0.25, 5.5, 1.05, 0.5, 11.75, 13.2, 3.5, 6.15, 2.25, 0, 10.75, 2.7, 1.05, 1.05, 0, 0\}$$

$$\text{rand. (T - P)} = \{0.29, 0.37, 0.01, 0.52, 0.52, 1.29, 0.09, 0.67, 0.83, 0.46, 0.05, 0.72, 0.14, 0.08, 0.14, 0.53, 0.02, 0.44, 0.08, 0.04, 0.94, 1.06, 0.28, 0.49, 0.18, 0.00, 0.86, 0.22, 0.08, 0.08, 0.00, 0.00\}$$

$$\text{Xnew = P + (rand. (T - P))} = \{90.69, 95.42, 83.11, 93.27, 85.97, 71.89, 87.14, 92.22, 83.13, 94.26, 90.45, 73.22, 95.14, 86.58, 80.09, 86.23, 89.77, 92.64, 97.98, 97.54, 79.69, 82.06, 92.53, 83.69, 86.18, 90.50, 98.61, 85.27, 85.58, 88.28, 84.25, 89.10\}$$

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-59

$$\text{P(titik sample)} = \{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1\}$$

$$\text{T(tetangga acuan)} = \{86.75, 90.45, 82.95, 99.25, 92, 86.75, 85.9, 83.2, 92.65, 88.1, 89.75, 81.5, 96.75, 85.45, 78.25, 92.35, 89.5, 97.7, 98.95, 98, 90.5, 94.2, 95.75, 89.35, 88.25, 90.5, 87, 87.75, 86.55, 89.25, 84.25, 89.1\}$$

$$\text{rand} = 0.09$$

(T - P)	=	{3.65, 4.6, 0.15, 6.5, 6.55, 16.15, 1.15, 8.35, 10.35, 5.7, 0.65, 9, 1.75, 1.05, 1.7, 6.65, 0.25, 5.5, 1.05, 0.5, 11.75, 13.2, 3.5, 6.15, 2.25, 0, 10.75, 2.7, 1.05, 1.05, 0, 0}
rand . (T - P)	=	{0.33, 0.41, 0.01, 0.59, 0.59, 1.45, 0.10, 0.75, 0.93, 0.51, 0.06, 0.81, 0.16, 0.09, 0.15, 0.60, 0.02, 0.50, 0.09, 0.05, 1.06, 1.19, 0.32, 0.55, 0.20, 0.00, 0.97, 0.24, 0.09, 0.09, 0.00, 0.00}
Xnew = P + (rand . (T - P))	=	{90.73, 95.46, 83.11, 93.34, 86.04, 72.05, 87.15, 92.30, 83.23, 94.31, 90.46, 73.31, 95.16, 86.59, 80.10, 86.30, 89.77, 92.70, 97.99, 97.55, 79.81, 82.19, 92.57, 83.75, 86.20, 90.50, 98.72, 85.29, 85.59, 88.29, 84.25, 89.10}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-60

P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{86.75, 90.45, 82.95, 99.25, 92, 86.75, 85.9, 83.2, 92.65, 88.1, 89.75, 81.5, 96.75, 85.45, 78.25, 92.35, 89.5, 97.7, 98.95, 98, 90.5, 94.2, 95.75, 89.35, 88.25, 90.5, 87, 87.75, 86.55, 89.25, 84.25, 89.1}
rand	=	0.1
(T - P)	=	{3.65, 4.6, 0.15, 6.5, 6.55, 16.15, 1.15, 8.35, 10.35, 5.7, 0.65, 9, 1.75, 1.05, 1.7, 6.65, 0.25, 5.5, 1.05, 0.5, 11.75, 13.2, 3.5, 6.15, 2.25, 0, 10.75, 2.7, 1.05, 1.05, 0, 0}
rand . (T - P)	=	{0.37, 0.46, 0.02, 0.65, 0.66, 1.62, 0.12, 0.84, 1.04, 0.57, 0.07, 0.90, 0.18, 0.11, 0.17, 0.67, 0.03, 0.55, 0.11, 0.05, 1.18, 1.32, 0.35, 0.62, 0.23, 0.00, 1.08, 0.27, 0.11, 0.11, 0.00, 0.00}
Xnew = P + (rand . (T - P))	=	{90.77, 95.51, 83.12, 93.40, 86.11, 72.22, 87.17, 92.39, 83.34, 94.37, 90.47, 73.40, 95.18, 86.61, 80.12, 86.37, 89.78, 92.75, 98.01, 97.55, 79.93, 82.32, 92.60, 83.82, 86.23, 90.50, 98.83, 85.32, 85.61, 88.31, 84.25, 89.10}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-61

P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{86.5, 91.5, 81.8, 95, 89.9, 86.75, 85.4, 85.5, 93.4, 88.25, 85.55, 89, 96.45, 86.5, 74.25, 94.25, 91.5, 98.75, 96.7, 86.35, 82.75, 97.5, 96, 88.75, 75.65, 91.5, 93.75, 88.35, 86.25, 88.5, 85, 90.7}

rand	= 0.01
(T - P)	= {3.9, 3.55, 1.3, 2.25, 4.45, 16.15, 1.65, 6.05, 11.1, 5.55, 4.85, 16.5, 1.45, 0, 5.7, 8.55, 1.75, 6.55, 1.2, 11.15, 4, 16.5, 3.75, 5.55, 10.35, 1, 4, 3.3, 0.75, 0.3, 0.75, 1.6}
rand . (T - P)	= {0.04, 0.04, 0.01, 0.02, 0.04, 0.16, 0.02, 0.06, 0.11, 0.06, 0.05, 0.17, 0.01, 0.00, 0.06, 0.09, 0.02, 0.07, 0.01, 0.11, 0.04, 0.17, 0.04, 0.06, 0.10, 0.01, 0.04, 0.03, 0.01, 0.00, 0.01, 0.02}
Xnew = P + (rand . (T - P))	= {90.44, 95.09, 83.11, 92.77, 85.49, 70.76, 87.07, 91.61, 82.41, 93.86, 90.45, 72.67, 95.01, 86.50, 80.01, 85.79, 89.77, 92.27, 97.91, 97.61, 78.79, 81.17, 92.29, 83.26, 86.10, 90.51, 97.79, 85.08, 85.51, 88.20, 84.26, 89.12}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-62

P(titik sample)	= {90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	= {86.5, 91.5, 81.8, 95, 89.9, 86.75, 85.4, 85.5, 93.4, 88.25, 85.55, 89, 96.45, 86.5, 74.25, 94.25, 91.5, 98.75, 96.7, 86.35, 82.75, 97.5, 96, 88.75, 75.65, 91.5, 93.75, 88.35, 86.25, 88.5, 85, 90.7}
rand	= 0.02
(T - P)	= {3.9, 3.55, 1.3, 2.25, 4.45, 16.15, 1.65, 6.05, 11.1, 5.55, 4.85, 16.5, 1.45, 0, 5.7, 8.55, 1.75, 6.55, 1.2, 11.15, 4, 16.5, 3.75, 5.55, 10.35, 1, 4, 3.3, 0.75, 0.3, 0.75, 1.6}
rand . (T - P)	= {0.08, 0.07, 0.03, 0.05, 0.09, 0.32, 0.03, 0.12, 0.22, 0.11, 0.10, 0.33, 0.03, 0.00, 0.11, 0.17, 0.04, 0.13, 0.02, 0.22, 0.08, 0.33, 0.08, 0.11, 0.21, 0.02, 0.08, 0.07, 0.02, 0.01, 0.02, 0.03}
Xnew = P + (rand . (T - P))	= {90.48, 95.12, 83.13, 92.80, 85.54, 70.92, 87.08, 91.67, 82.52, 93.91, 90.50, 72.83, 95.03, 86.50, 80.06, 85.87, 89.79, 92.33, 97.92, 97.72, 78.83, 81.33, 92.33, 83.31, 86.21, 90.52, 97.83, 85.12, 85.52, 88.21, 84.27, 89.13}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-63

P(titik sample)	= {90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	= {86.5, 91.5, 81.8, 95, 89.9, 86.75, 85.4, 85.5, 93.4, 88.25, 85.55, 89, 96.45, 86.5, 74.25, 94.25, 91.5, 98.75, 96.7, 86.35,

		82.75, 97.5, 96, 88.75, 75.65, 91.5, 93.75, 88.35, 86.25, 88.5, 85, 90.7}
rand	=	0.03
(T - P)	=	{3.9, 3.55, 1.3, 2.25, 4.45, 16.15, 1.65, 6.05, 11.1, 5.55, 4.85, 16.5, 1.45, 0, 5.7, 8.55, 1.75, 6.55, 1.2, 11.15, 4, 16.5, 3.75, 5.55, 10.35, 1, 4, 3.3, 0.75, 0.3, 0.75, 1.6}
rand . (T - P)	=	{0.12, 0.11, 0.04, 0.07, 0.13, 0.48, 0.05, 0.18, 0.33, 0.17, 0.15, 0.50, 0.04, 0.00, 0.17, 0.26, 0.05, 0.20, 0.04, 0.33, 0.12, 0.50, 0.11, 0.17, 0.31, 0.03, 0.12, 0.10, 0.02, 0.01, 0.02, 0.05}
Xnew = P + (rand . (T - P))	=	{90.52, 95.16, 83.14, 92.82, 85.58, 71.08, 87.10, 91.73, 82.63, 93.97, 90.55, 73.00, 95.04, 86.50, 80.12, 85.96, 89.80, 92.40, 97.94, 97.83, 78.87, 81.50, 92.36, 83.37, 86.31, 90.53, 97.87, 85.15, 85.52, 88.21, 84.27, 89.15}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-64

P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{86.5, 91.5, 81.8, 95, 89.9, 86.75, 85.4, 85.5, 93.4, 88.25, 85.55, 89, 96.45, 86.5, 74.25, 94.25, 91.5, 98.75, 96.7, 86.35, 82.75, 97.5, 96, 88.75, 75.65, 91.5, 93.75, 88.35, 86.25, 88.5, 85, 90.7}
rand	=	0.04
(T - P)	=	{3.9, 3.55, 1.3, 2.25, 4.45, 16.15, 1.65, 6.05, 11.1, 5.55, 4.85, 16.5, 1.45, 0, 5.7, 8.55, 1.75, 6.55, 1.2, 11.15, 4, 16.5, 3.75, 5.55, 10.35, 1, 4, 3.3, 0.75, 0.3, 0.75, 1.6}
rand . (T - P)	=	{0.16, 0.14, 0.05, 0.09, 0.18, 0.65, 0.07, 0.24, 0.44, 0.22, 0.19, 0.66, 0.06, 0.00, 0.23, 0.34, 0.07, 0.26, 0.05, 0.45, 0.16, 0.66, 0.15, 0.22, 0.41, 0.04, 0.16, 0.13, 0.03, 0.01, 0.03, 0.06}
Xnew = P + (rand . (T - P))	=	{90.56, 95.19, 83.15, 92.84, 85.63, 71.25, 87.12, 91.79, 82.74, 94.02, 90.59, 73.16, 95.06, 86.50, 80.18, 86.04, 89.82, 92.46, 97.95, 97.95, 78.91, 81.66, 92.40, 83.42, 86.41, 90.54, 97.91, 85.18, 85.53, 88.21, 84.28, 89.16}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-65

P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
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T(tetangga acuan)	=	{86.5, 91.5, 81.8, 95, 89.9, 86.75, 85.4, 85.5, 93.4, 88.25, 85.55, 89, 96.45, 86.5, 74.25, 94.25, 91.5, 98.75, 96.7, 86.35, 82.75, 97.5, 96, 88.75, 75.65, 91.5, 93.75, 88.35, 86.25, 88.5, 85, 90.7}
rand	=	0.05
(T - P)	=	{3.9, 3.55, 1.3, 2.25, 4.45, 16.15, 1.65, 6.05, 11.1, 5.55, 4.85, 16.5, 1.45, 0, 5.7, 8.55, 1.75, 6.55, 1.2, 11.15, 4, 16.5, 3.75, 5.55, 10.35, 1, 4, 3.3, 0.75, 0.3, 0.75, 1.6}
rand . (T - P)	=	{0.20, 0.18, 0.07, 0.11, 0.22, 0.81, 0.08, 0.30, 0.56, 0.28, 0.24, 0.83, 0.07, 0.00, 0.29, 0.43, 0.09, 0.33, 0.06, 0.56, 0.20, 0.83, 0.19, 0.28, 0.52, 0.05, 0.20, 0.17, 0.04, 0.02, 0.04, 0.08}
Xnew = P + (rand . (T - P))	=	{90.60, 95.23, 83.17, 92.86, 85.67, 71.41, 87.13, 91.85, 82.86, 94.08, 90.64, 73.33, 95.07, 86.50, 80.24, 86.13, 89.84, 92.53, 97.96, 98.06, 78.95, 81.83, 92.44, 83.48, 86.52, 90.55, 97.95, 85.22, 85.54, 88.22, 84.29, 89.18}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-66		
P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{86.5, 91.5, 81.8, 95, 89.9, 86.75, 85.4, 85.5, 93.4, 88.25, 85.55, 89, 96.45, 86.5, 74.25, 94.25, 91.5, 98.75, 96.7, 86.35, 82.75, 97.5, 96, 88.75, 75.65, 91.5, 93.75, 88.35, 86.25, 88.5, 85, 90.7}
rand	=	0.06
(T - P)	=	{3.9, 3.55, 1.3, 2.25, 4.45, 16.15, 1.65, 6.05, 11.1, 5.55, 4.85, 16.5, 1.45, 0, 5.7, 8.55, 1.75, 6.55, 1.2, 11.15, 4, 16.5, 3.75, 5.55, 10.35, 1, 4, 3.3, 0.75, 0.3, 0.75, 1.6}
rand . (T - P)	=	{0.23, 0.21, 0.08, 0.14, 0.27, 0.97, 0.10, 0.36, 0.67, 0.33, 0.29, 0.99, 0.09, 0.00, 0.34, 0.51, 0.11, 0.39, 0.07, 0.67, 0.24, 0.99, 0.23, 0.33, 0.62, 0.06, 0.24, 0.20, 0.05, 0.02, 0.05, 0.10}
Xnew = P + (rand . (T - P))	=	{90.63, 95.26, 83.18, 92.89, 85.72, 71.57, 87.15, 91.91, 82.97, 94.13, 90.69, 73.49, 95.09, 86.50, 80.29, 86.21, 89.86, 92.59, 97.97, 98.17, 78.99, 81.99, 92.48, 83.53, 86.62, 90.56, 97.99, 85.25, 85.55, 88.22, 84.30, 89.20}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-67		

P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{86.5, 91.5, 81.8, 95, 89.9, 86.75, 85.4, 85.5, 93.4, 88.25, 85.55, 89, 96.45, 86.5, 74.25, 94.25, 91.5, 98.75, 96.7, 86.35, 82.75, 97.5, 96, 88.75, 75.65, 91.5, 93.75, 88.35, 86.25, 88.5, 85, 90.7}
rand	=	0.07
(T - P)	=	{3.9, 3.55, 1.3, 2.25, 4.45, 16.15, 1.65, 6.05, 11.1, 5.55, 4.85, 16.5, 1.45, 0, 5.7, 8.55, 1.75, 6.55, 1.2, 11.15, 4, 16.5, 3.75, 5.55, 10.35, 1, 4, 3.3, 0.75, 0.3, 0.75, 1.6}
rand . (T - P)	=	{0.27, 0.25, 0.09, 0.16, 0.31, 1.13, 0.12, 0.42, 0.78, 0.39, 0.34, 1.16, 0.10, 0.00, 0.40, 0.60, 0.12, 0.46, 0.08, 0.78, 0.28, 1.16, 0.26, 0.39, 0.72, 0.07, 0.28, 0.23, 0.05, 0.02, 0.05, 0.11}
Xnew = P + (rand . (T - P))	=	{90.67, 95.30, 83.19, 92.91, 85.76, 71.73, 87.17, 91.97, 83.08, 94.19, 90.74, 73.66, 95.10, 86.50, 80.35, 86.30, 89.87, 92.66, 97.98, 98.28, 79.03, 82.16, 92.51, 83.59, 86.72, 90.57, 98.03, 85.28, 85.55, 88.22, 84.30, 89.21}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-68		
P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{86.5, 91.5, 81.8, 95, 89.9, 86.75, 85.4, 85.5, 93.4, 88.25, 85.55, 89, 96.45, 86.5, 74.25, 94.25, 91.5, 98.75, 96.7, 86.35, 82.75, 97.5, 96, 88.75, 75.65, 91.5, 93.75, 88.35, 86.25, 88.5, 85, 90.7}
rand	=	0.08
(T - P)	=	{3.9, 3.55, 1.3, 2.25, 4.45, 16.15, 1.65, 6.05, 11.1, 5.55, 4.85, 16.5, 1.45, 0, 5.7, 8.55, 1.75, 6.55, 1.2, 11.15, 4, 16.5, 3.75, 5.55, 10.35, 1, 4, 3.3, 0.75, 0.3, 0.75, 1.6}
rand . (T - P)	=	{0.31, 0.28, 0.10, 0.18, 0.36, 1.29, 0.13, 0.48, 0.89, 0.44, 0.39, 1.32, 0.12, 0.00, 0.46, 0.68, 0.14, 0.52, 0.10, 0.89, 0.32, 1.32, 0.30, 0.44, 0.83, 0.08, 0.32, 0.26, 0.06, 0.02, 0.06, 0.13}
Xnew = P + (rand . (T - P))	=	{90.71, 95.33, 83.20, 92.93, 85.81, 71.89, 87.18, 92.03, 83.19, 94.24, 90.79, 73.82, 95.12, 86.50, 80.41, 86.38, 89.89, 92.72, 98.00, 98.39, 79.07, 82.32, 92.55, 83.64, 86.83, 90.58, 98.07, 85.31, 85.56, 88.22, 84.31, 89.23}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-69

P(titik sample) = {90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}

T(tetangga acuan) = {86.5, 91.5, 81.8, 95, 89.9, 86.75, 85.4, 85.5, 93.4, 88.25, 85.55, 89, 96.45, 86.5, 74.25, 94.25, 91.5, 98.75, 96.7, 86.35, 82.75, 97.5, 96, 88.75, 75.65, 91.5, 93.75, 88.35, 86.25, 88.5, 85, 90.7}

rand = 0.09

(T - P) = {3.9, 3.55, 1.3, 2.25, 4.45, 16.15, 1.65, 6.05, 11.1, 5.55, 4.85, 16.5, 1.45, 0, 5.7, 8.55, 1.75, 6.55, 1.2, 11.15, 4, 16.5, 3.75, 5.55, 10.35, 1, 4, 3.3, 0.75, 0.3, 0.75, 1.6}

rand . (T - P) = {0.35, 0.32, 0.12, 0.20, 0.40, 1.45, 0.15, 0.54, 1.00, 0.50, 0.44, 1.49, 0.13, 0.00, 0.51, 0.77, 0.16, 0.59, 0.11, 1.00, 0.36, 1.49, 0.34, 0.50, 0.93, 0.09, 0.36, 0.30, 0.07, 0.03, 0.07, 0.14}

Xnew = P + (rand . (T - P)) = {90.75, 95.37, 83.22, 92.95, 85.85, 72.05, 87.20, 92.09, 83.30, 94.30, 90.84, 73.99, 95.13, 86.50, 80.46, 86.47, 89.91, 92.79, 98.01, 98.50, 79.11, 82.49, 92.59, 83.70, 86.93, 90.59, 98.11, 85.35, 85.57, 88.23, 84.32, 89.24}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-70

P(titik sample) = {90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}

T(tetangga acuan) = {86.5, 91.5, 81.8, 95, 89.9, 86.75, 85.4, 85.5, 93.4, 88.25, 85.55, 89, 96.45, 86.5, 74.25, 94.25, 91.5, 98.75, 96.7, 86.35, 82.75, 97.5, 96, 88.75, 75.65, 91.5, 93.75, 88.35, 86.25, 88.5, 85, 90.7}

rand = 0.1

(T - P) = {3.9, 3.55, 1.3, 2.25, 4.45, 16.15, 1.65, 6.05, 11.1, 5.55, 4.85, 16.5, 1.45, 0, 5.7, 8.55, 1.75, 6.55, 1.2, 11.15, 4, 16.5, 3.75, 5.55, 10.35, 1, 4, 3.3, 0.75, 0.3, 0.75, 1.6}

rand . (T - P) = {0.39, 0.36, 0.13, 0.23, 0.45, 1.62, 0.17, 0.61, 1.11, 0.56, 0.49, 1.65, 0.15, 0.00, 0.57, 0.86, 0.18, 0.66, 0.12, 1.12, 0.40, 1.65, 0.38, 0.56, 1.04, 0.10, 0.40, 0.33, 0.08, 0.03, 0.08, 0.16}

Xnew = P + (rand . (T - P)) = {90.79, 95.41, 83.23, 92.98, 85.90, 72.22, 87.22, 92.16, 83.41, 94.36, 90.89, 74.15, 95.15, 86.50, 80.52, 86.56, 89.93, 92.86,

98.02, 98.62, 79.15, 82.65, 92.63, 83.76, 87.04, 90.60, 98.15, 85.38, 85.58, 88.23, 84.33, 89.26}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-71

P(titik sample) = {90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}

T(tetangga acuan) = {85.5, 80.9, 81.55, 82.95, 88.9, 86.5, 85.95, 81.95, 80.25, 84.4, 86.7, 66.45, 92.2, 86.5, 73.75, 78.5, 88.5, 94.25, 80.2, 94, 72.15, 81.9, 97.45, 89.35, 76.15, 90.5, 88.2, 86.4, 85.5, 96.45, 84.25, 86.05}

rand = 0.01

(T - P) = {4.9, 14.15, 1.55, 9.8, 3.45, 15.9, 1.1, 9.6, 2.05, 9.4, 3.7, 6.05, 2.8, 0, 6.2, 7.2, 1.25, 2.05, 17.7, 3.5, 6.6, 0.9, 5.2, 6.15, 9.85, 0, 9.55, 1.35, 0, 8.25, 0, 3.05}

rand . (T - P) = {0.05, 0.14, 0.02, 0.10, 0.03, 0.16, 0.01, 0.10, 0.02, 0.09, 0.04, 0.06, 0.03, 0.00, 0.06, 0.07, 0.01, 0.02, 0.18, 0.04, 0.07, 0.01, 0.05, 0.06, 0.10, 0.00, 0.10, 0.01, 0.00, 0.08, 0.00, 0.03}

Xnew = P + (rand . (T - P)) = {90.45, 95.19, 83.12, 92.85, 85.48, 70.76, 87.06, 91.65, 82.32, 93.89, 90.44, 72.56, 95.03, 86.50, 80.01, 85.77, 89.76, 92.22, 98.08, 97.54, 78.82, 81.01, 92.30, 83.26, 86.10, 90.50, 97.85, 85.06, 85.50, 88.28, 84.25, 89.13}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-72

P(titik sample) = {90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}

T(tetangga acuan) = {85.5, 80.9, 81.55, 82.95, 88.9, 86.5, 85.95, 81.95, 80.25, 84.4, 86.7, 66.45, 92.2, 86.5, 73.75, 78.5, 88.5, 94.25, 80.2, 94, 72.15, 81.9, 97.45, 89.35, 76.15, 90.5, 88.2, 86.4, 85.5, 96.45, 84.25, 86.05}

rand = 0.02

(T - P) = {4.9, 14.15, 1.55, 9.8, 3.45, 15.9, 1.1, 9.6, 2.05, 9.4, 3.7, 6.05, 2.8, 0, 6.2, 7.2, 1.25, 2.05, 17.7, 3.5, 6.6, 0.9, 5.2, 6.15, 9.85, 0, 9.55, 1.35, 0, 8.25, 0, 3.05}

rand . (T - P) = {0.10, 0.28, 0.03, 0.20, 0.07, 0.32, 0.02, 0.19, 0.04, 0.19, 0.07, 0.12, 0.06, 0.00, 0.12, 0.14, 0.03, 0.04, 0.35, 0.07, 0.13, 0.02, 0.10, 0.12, 0.20, 0.00, 0.19, 0.03, 0.00, 0.17, 0.00, 0.06}

$$\begin{aligned} X_{\text{new}} = P + (\text{rand} \cdot (T - P)) &= \{90.50, 95.33, 83.13, 92.95, 85.52, 70.92, 87.07, 91.74, 82.34, \\ &93.99, 90.47, 72.62, 95.06, 86.50, 80.07, 85.84, 89.78, 92.24, \\ &98.25, 97.57, 78.88, 81.02, 92.35, 83.32, 86.20, 90.50, 97.94, \\ &85.08, 85.50, 88.37, 84.25, 89.16\} \end{aligned}$$

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-73

$$P(\text{titik sample}) = \{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1\}$$

$$T(\text{tetangga acuan}) = \{85.5, 80.9, 81.55, 82.95, 88.9, 86.5, 85.95, 81.95, 80.25, 84.4, 86.7, 66.45, 92.2, 86.5, 73.75, 78.5, 88.5, 94.25, 80.2, 94, 72.15, 81.9, 97.45, 89.35, 76.15, 90.5, 88.2, 86.4, 85.5, 96.45, 84.25, 86.05\}$$

$$\text{rand} = 0.03$$

$$(T - P) = \{4.9, 14.15, 1.55, 9.8, 3.45, 15.9, 1.1, 9.6, 2.05, 9.4, 3.7, 6.05, 2.8, 0, 6.2, 7.2, 1.25, 2.05, 17.7, 3.5, 6.6, 0.9, 5.2, 6.15, 9.85, 0, 9.55, 1.35, 0, 8.25, 0, 3.05\}$$

$$\text{rand} \cdot (T - P) = \{0.15, 0.42, 0.05, 0.29, 0.10, 0.48, 0.03, 0.29, 0.06, 0.28, 0.11, 0.18, 0.08, 0.00, 0.19, 0.22, 0.04, 0.06, 0.53, 0.11, 0.20, 0.03, 0.16, 0.18, 0.30, 0.00, 0.29, 0.04, 0.00, 0.25, 0.00, 0.09\}$$

$$\begin{aligned} X_{\text{new}} = P + (\text{rand} \cdot (T - P)) &= \{90.55, 95.47, 83.15, 93.04, 85.55, 71.08, 87.08, 91.84, 82.36, \\ &94.08, 90.51, 72.68, 95.08, 86.50, 80.14, 85.92, 89.79, 92.26, \\ &98.43, 97.61, 78.95, 81.03, 92.41, 83.38, 86.30, 90.50, 98.04, \\ &85.09, 85.50, 88.45, 84.25, 89.19\} \end{aligned}$$

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-74

$$P(\text{titik sample}) = \{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1\}$$

$$T(\text{tetangga acuan}) = \{85.5, 80.9, 81.55, 82.95, 88.9, 86.5, 85.95, 81.95, 80.25, 84.4, 86.7, 66.45, 92.2, 86.5, 73.75, 78.5, 88.5, 94.25, 80.2, 94, 72.15, 81.9, 97.45, 89.35, 76.15, 90.5, 88.2, 86.4, 85.5, 96.45, 84.25, 86.05\}$$

$$\text{rand} = 0.04$$

$$(T - P) = \{4.9, 14.15, 1.55, 9.8, 3.45, 15.9, 1.1, 9.6, 2.05, 9.4, 3.7, 6.05, 2.8, 0, 6.2, 7.2, 1.25, 2.05, 17.7, 3.5, 6.6, 0.9, 5.2, 6.15, 9.85, 0, 9.55, 1.35, 0, 8.25, 0, 3.05\}$$

$$\text{rand. (T - P)} = \{0.20, 0.57, 0.06, 0.39, 0.14, 0.64, 0.04, 0.38, 0.08, 0.38, 0.15, 0.24, 0.11, 0.00, 0.25, 0.29, 0.05, 0.08, 0.71, 0.14, 0.26, 0.04, 0.21, 0.25, 0.39, 0.00, 0.38, 0.05, 0.00, 0.33, 0.00, 0.12\}$$

$$\text{Xnew = P + (rand. (T - P))} = \{90.60, 95.62, 83.16, 93.14, 85.59, 71.24, 87.09, 91.93, 82.38, 94.18, 90.55, 72.74, 95.11, 86.50, 80.20, 85.99, 89.80, 92.28, 98.61, 97.64, 79.01, 81.04, 92.46, 83.45, 86.39, 90.50, 98.13, 85.10, 85.50, 88.53, 84.25, 89.22\}$$

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-75

$$\text{P(titik sample)} = \{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1\}$$

$$\text{T(tetangga acuan)} = \{85.5, 80.9, 81.55, 82.95, 88.9, 86.5, 85.95, 81.95, 80.25, 84.4, 86.7, 66.45, 92.2, 86.5, 73.75, 78.5, 88.5, 94.25, 80.2, 94, 72.15, 81.9, 97.45, 89.35, 76.15, 90.5, 88.2, 86.4, 85.5, 96.45, 84.25, 86.05\}$$

$$\text{rand} = 0.05$$

$$\text{(T - P)} = \{4.9, 14.15, 1.55, 9.8, 3.45, 15.9, 1.1, 9.6, 2.05, 9.4, 3.7, 6.05, 2.8, 0, 6.2, 7.2, 1.25, 2.05, 17.7, 3.5, 6.6, 0.9, 5.2, 6.15, 9.85, 0, 9.55, 1.35, 0, 8.25, 0, 3.05\}$$

$$\text{rand. (T - P)} = \{0.25, 0.71, 0.08, 0.49, 0.17, 0.80, 0.06, 0.48, 0.10, 0.47, 0.19, 0.30, 0.14, 0.00, 0.31, 0.36, 0.06, 0.10, 0.89, 0.18, 0.33, 0.05, 0.26, 0.31, 0.49, 0.00, 0.48, 0.07, 0.00, 0.41, 0.00, 0.15\}$$

$$\text{Xnew = P + (rand. (T - P))} = \{90.65, 95.76, 83.18, 93.24, 85.62, 71.40, 87.11, 92.03, 82.40, 94.27, 90.59, 72.80, 95.14, 86.50, 80.26, 86.06, 89.81, 92.30, 98.79, 97.68, 79.08, 81.05, 92.51, 83.51, 86.49, 90.50, 98.23, 85.12, 85.50, 88.61, 84.25, 89.25\}$$

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-76

$$\text{P(titik sample)} = \{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1\}$$

$$\text{T(tetangga acuan)} = \{85.5, 80.9, 81.55, 82.95, 88.9, 86.5, 85.95, 81.95, 80.25, 84.4, 86.7, 66.45, 92.2, 86.5, 73.75, 78.5, 88.5, 94.25, 80.2, 94, 72.15, 81.9, 97.45, 89.35, 76.15, 90.5, 88.2, 86.4, 85.5, 96.45, 84.25, 86.05\}$$

$$\text{rand} = 0.06$$

(T - P)	=	{4.9, 14.15, 1.55, 9.8, 3.45, 15.9, 1.1, 9.6, 2.05, 9.4, 3.7, 6.05, 2.8, 0, 6.2, 7.2, 1.25, 2.05, 17.7, 3.5, 6.6, 0.9, 5.2, 6.15, 9.85, 0, 9.55, 1.35, 0, 8.25, 0, 3.05}
rand . (T - P)	=	{0.29, 0.85, 0.09, 0.59, 0.21, 0.95, 0.07, 0.58, 0.12, 0.56, 0.22, 0.36, 0.17, 0.00, 0.37, 0.43, 0.08, 0.12, 1.06, 0.21, 0.40, 0.05, 0.31, 0.37, 0.59, 0.00, 0.57, 0.08, 0.00, 0.50, 0.00, 0.18}
Xnew = P + (rand . (T - P))	=	{90.69, 95.90, 83.19, 93.34, 85.66, 71.55, 87.12, 92.13, 82.42, 94.36, 90.62, 72.86, 95.17, 86.50, 80.32, 86.13, 89.83, 92.32, 98.96, 97.71, 79.15, 81.05, 92.56, 83.57, 86.59, 90.50, 98.32, 85.13, 85.50, 88.70, 84.25, 89.28}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-77

P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{85.5, 80.9, 81.55, 82.95, 88.9, 86.5, 85.95, 81.95, 80.25, 84.4, 86.7, 66.45, 92.2, 86.5, 73.75, 78.5, 88.5, 94.25, 80.2, 94, 72.15, 81.9, 97.45, 89.35, 76.15, 90.5, 88.2, 86.4, 85.5, 96.45, 84.25, 86.05}
rand	=	0.07
(T - P)	=	{4.9, 14.15, 1.55, 9.8, 3.45, 15.9, 1.1, 9.6, 2.05, 9.4, 3.7, 6.05, 2.8, 0, 6.2, 7.2, 1.25, 2.05, 17.7, 3.5, 6.6, 0.9, 5.2, 6.15, 9.85, 0, 9.55, 1.35, 0, 8.25, 0, 3.05}
rand . (T - P)	=	{0.34, 0.99, 0.11, 0.69, 0.24, 1.11, 0.08, 0.67, 0.14, 0.66, 0.26, 0.42, 0.20, 0.00, 0.43, 0.50, 0.09, 0.14, 1.24, 0.25, 0.46, 0.06, 0.36, 0.43, 0.69, 0.00, 0.67, 0.09, 0.00, 0.58, 0.00, 0.21}
Xnew = P + (rand . (T - P))	=	{90.74, 96.04, 83.21, 93.44, 85.69, 71.71, 87.13, 92.22, 82.44, 94.46, 90.66, 72.92, 95.20, 86.50, 80.38, 86.20, 89.84, 92.34, 99.14, 97.75, 79.21, 81.06, 92.61, 83.63, 86.69, 90.50, 98.42, 85.14, 85.50, 88.78, 84.25, 89.31}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-78

P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{85.5, 80.9, 81.55, 82.95, 88.9, 86.5, 85.95, 81.95, 80.25, 84.4, 86.7, 66.45, 92.2, 86.5, 73.75, 78.5, 88.5, 94.25, 80.2, 94, 72.15, 81.9, 97.45, 89.35, 76.15, 90.5, 88.2, 86.4, 85.5, 96.45, 84.25, 86.05}

rand	=	0.08
(T - P)	=	{4.9, 14.15, 1.55, 9.8, 3.45, 15.9, 1.1, 9.6, 2.05, 9.4, 3.7, 6.05, 2.8, 0, 6.2, 7.2, 1.25, 2.05, 17.7, 3.5, 6.6, 0.9, 5.2, 6.15, 9.85, 0, 9.55, 1.35, 0, 8.25, 0, 3.05}
rand . (T - P)	=	{0.39, 1.13, 0.12, 0.78, 0.28, 1.27, 0.09, 0.77, 0.16, 0.75, 0.30, 0.48, 0.22, 0.00, 0.50, 0.58, 0.10, 0.16, 1.42, 0.28, 0.53, 0.07, 0.42, 0.49, 0.79, 0.00, 0.76, 0.11, 0.00, 0.66, 0.00, 0.24}
Xnew = P + (rand . (T - P))	=	{90.79, 96.18, 83.22, 93.53, 85.73, 71.87, 87.14, 92.32, 82.46, 94.55, 90.70, 72.98, 95.22, 86.50, 80.45, 86.28, 89.85, 92.36, 99.32, 97.78, 79.28, 81.07, 92.67, 83.69, 86.79, 90.50, 98.51, 85.16, 85.50, 88.86, 84.25, 89.34}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-79

P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{85.5, 80.9, 81.55, 82.95, 88.9, 86.5, 85.95, 81.95, 80.25, 84.4, 86.7, 66.45, 92.2, 86.5, 73.75, 78.5, 88.5, 94.25, 80.2, 94, 72.15, 81.9, 97.45, 89.35, 76.15, 90.5, 88.2, 86.4, 85.5, 96.45, 84.25, 86.05}
rand	=	0.09
(T - P)	=	{4.9, 14.15, 1.55, 9.8, 3.45, 15.9, 1.1, 9.6, 2.05, 9.4, 3.7, 6.05, 2.8, 0, 6.2, 7.2, 1.25, 2.05, 17.7, 3.5, 6.6, 0.9, 5.2, 6.15, 9.85, 0, 9.55, 1.35, 0, 8.25, 0, 3.05}
rand . (T - P)	=	{0.44, 1.27, 0.14, 0.88, 0.31, 1.43, 0.10, 0.86, 0.18, 0.85, 0.33, 0.54, 0.25, 0.00, 0.56, 0.65, 0.11, 0.18, 1.59, 0.32, 0.59, 0.08, 0.47, 0.55, 0.89, 0.00, 0.86, 0.12, 0.00, 0.74, 0.00, 0.27}
Xnew = P + (rand . (T - P))	=	{90.84, 96.32, 83.24, 93.63, 85.76, 72.03, 87.15, 92.41, 82.48, 94.65, 90.73, 73.04, 95.25, 86.50, 80.51, 86.35, 89.86, 92.38, 99.49, 97.82, 79.34, 81.08, 92.72, 83.75, 86.89, 90.50, 98.61, 85.17, 85.50, 88.94, 84.25, 89.37}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-80

P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{85.5, 80.9, 81.55, 82.95, 88.9, 86.5, 85.95, 81.95, 80.25, 84.4, 86.7, 66.45, 92.2, 86.5, 73.75, 78.5, 88.5, 94.25, 80.2, 94,

		72.15, 81.9, 97.45, 89.35, 76.15, 90.5, 88.2, 86.4, 85.5, 96.45, 84.25, 86.05}
rand	=	0.1
(T - P)	=	{4.9, 14.15, 1.55, 9.8, 3.45, 15.9, 1.1, 9.6, 2.05, 9.4, 3.7, 6.05, 2.8, 0, 6.2, 7.2, 1.25, 2.05, 17.7, 3.5, 6.6, 0.9, 5.2, 6.15, 9.85, 0, 9.55, 1.35, 0, 8.25, 0, 3.05}
rand . (T - P)	=	{0.49, 1.42, 0.16, 0.98, 0.35, 1.59, 0.11, 0.96, 0.21, 0.94, 0.37, 0.61, 0.28, 0.00, 0.62, 0.72, 0.13, 0.21, 1.77, 0.35, 0.66, 0.09, 0.52, 0.62, 0.99, 0.00, 0.96, 0.14, 0.00, 0.83, 0.00, 0.31}
Xnew = P + (rand . (T - P))	=	{90.89, 96.47, 83.26, 93.73, 85.80, 72.19, 87.16, 92.51, 82.51, 94.74, 90.77, 73.11, 95.28, 86.50, 80.57, 86.42, 89.88, 92.41, 99.67, 97.85, 79.41, 81.09, 92.77, 83.82, 86.99, 90.50, 98.71, 85.19, 85.50, 89.03, 84.25, 89.41}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-81		
P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{84.75, 89, 81.6, 93.95, 91, 85, 87, 79.25, 88.9, 81.2, 83.1, 92.7, 95.4, 90, 89.9, 85.9, 77.1, 87.1, 86, 90.7, 85.75, 84.5, 90.45, 88, 85.5, 87.95, 87.6, 85.2, 89.4, 85.95, 83.2, 86.65}
rand	=	0.01
(T - P)	=	{5.65, 6.05, 1.5, 1.2, 5.55, 14.4, 0.05, 12.3, 6.6, 12.6, 7.3, 20.2, 0.4, 3.5, 9.95, 0.2, 12.65, 5.1, 11.9, 6.8, 7, 3.5, 1.8, 4.8, 0.5, 2.55, 10.15, 0.15, 3.9, 2.25, 1.05, 2.45}
rand . (T - P)	=	{0.06, 0.06, 0.02, 0.01, 0.06, 0.14, 0.00, 0.12, 0.07, 0.13, 0.07, 0.20, 0.00, 0.04, 0.10, 0.00, 0.13, 0.05, 0.12, 0.07, 0.07, 0.04, 0.02, 0.05, 0.01, 0.03, 0.10, 0.00, 0.04, 0.02, 0.01, 0.02}
Xnew = P + (rand . (T - P))	=	{90.46, 95.11, 83.12, 92.76, 85.51, 70.74, 87.05, 91.67, 82.37, 93.93, 90.47, 72.70, 95.00, 86.54, 80.05, 85.70, 89.88, 92.25, 98.02, 97.57, 78.82, 81.04, 92.27, 83.25, 86.01, 90.53, 97.85, 85.05, 85.54, 88.22, 84.26, 89.12}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-82		
P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}

T(tetangga acuan)	=	{84.75, 89, 81.6, 93.95, 91, 85, 87, 79.25, 88.9, 81.2, 83.1, 92.7, 95.4, 90, 89.9, 85.9, 77.1, 87.1, 86, 90.7, 85.75, 84.5, 90.45, 88, 85.5, 87.95, 87.6, 85.2, 89.4, 85.95, 83.2, 86.65}
rand	=	0.02
(T - P)	=	{5.65, 6.05, 1.5, 1.2, 5.55, 14.4, 0.05, 12.3, 6.6, 12.6, 7.3, 20.2, 0.4, 3.5, 9.95, 0.2, 12.65, 5.1, 11.9, 6.8, 7, 3.5, 1.8, 4.8, 0.5, 2.55, 10.15, 0.15, 3.9, 2.25, 1.05, 2.45}
rand . (T - P)	=	{0.11, 0.12, 0.03, 0.02, 0.11, 0.29, 0.00, 0.25, 0.13, 0.25, 0.15, 0.40, 0.01, 0.07, 0.20, 0.00, 0.25, 0.10, 0.24, 0.14, 0.14, 0.07, 0.04, 0.10, 0.01, 0.05, 0.20, 0.00, 0.08, 0.05, 0.02, 0.05}
Xnew = P + (rand . (T - P))	=	{90.51, 95.17, 83.13, 92.77, 85.56, 70.89, 87.05, 91.80, 82.43, 94.05, 90.55, 72.90, 95.01, 86.57, 80.15, 85.70, 90.00, 92.30, 98.14, 97.64, 78.89, 81.07, 92.29, 83.30, 86.01, 90.55, 97.95, 85.05, 85.58, 88.25, 84.27, 89.15}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-83		
P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{84.75, 89, 81.6, 93.95, 91, 85, 87, 79.25, 88.9, 81.2, 83.1, 92.7, 95.4, 90, 89.9, 85.9, 77.1, 87.1, 86, 90.7, 85.75, 84.5, 90.45, 88, 85.5, 87.95, 87.6, 85.2, 89.4, 85.95, 83.2, 86.65}
rand	=	0.03
(T - P)	=	{5.65, 6.05, 1.5, 1.2, 5.55, 14.4, 0.05, 12.3, 6.6, 12.6, 7.3, 20.2, 0.4, 3.5, 9.95, 0.2, 12.65, 5.1, 11.9, 6.8, 7, 3.5, 1.8, 4.8, 0.5, 2.55, 10.15, 0.15, 3.9, 2.25, 1.05, 2.45}
rand . (T - P)	=	{0.17, 0.18, 0.05, 0.04, 0.17, 0.43, 0.00, 0.37, 0.20, 0.38, 0.22, 0.61, 0.01, 0.11, 0.30, 0.01, 0.38, 0.15, 0.36, 0.20, 0.21, 0.11, 0.05, 0.14, 0.02, 0.08, 0.30, 0.00, 0.12, 0.07, 0.03, 0.07}
Xnew = P + (rand . (T - P))	=	{90.57, 95.23, 83.15, 92.79, 85.62, 71.03, 87.05, 91.92, 82.50, 94.18, 90.62, 73.11, 95.01, 86.61, 80.25, 85.71, 90.13, 92.35, 98.26, 97.70, 78.96, 81.11, 92.30, 83.34, 86.02, 90.58, 98.05, 85.05, 85.62, 88.27, 84.28, 89.17}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-84		
P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}

T(tetangga acuan)	=	{84.75, 89, 81.6, 93.95, 91, 85, 87, 79.25, 88.9, 81.2, 83.1, 92.7, 95.4, 90, 89.9, 85.9, 77.1, 87.1, 86, 90.7, 85.75, 84.5, 90.45, 88, 85.5, 87.95, 87.6, 85.2, 89.4, 85.95, 83.2, 86.65}
rand	=	0.04
(T - P)	=	{5.65, 6.05, 1.5, 1.2, 5.55, 14.4, 0.05, 12.3, 6.6, 12.6, 7.3, 20.2, 0.4, 3.5, 9.95, 0.2, 12.65, 5.1, 11.9, 6.8, 7, 3.5, 1.8, 4.8, 0.5, 2.55, 10.15, 0.15, 3.9, 2.25, 1.05, 2.45}
rand . (T - P)	=	{0.23, 0.24, 0.06, 0.05, 0.22, 0.58, 0.00, 0.49, 0.26, 0.50, 0.29, 0.81, 0.02, 0.14, 0.40, 0.01, 0.51, 0.20, 0.48, 0.27, 0.28, 0.14, 0.07, 0.19, 0.02, 0.10, 0.41, 0.01, 0.16, 0.09, 0.04, 0.10}
Xnew = P + (rand . (T - P))	=	{90.63, 95.29, 83.16, 92.80, 85.67, 71.18, 87.05, 92.04, 82.56, 94.30, 90.69, 73.31, 95.02, 86.64, 80.35, 85.71, 90.26, 92.40, 98.38, 97.77, 79.03, 81.14, 92.32, 83.39, 86.02, 90.60, 98.16, 85.06, 85.66, 88.29, 84.29, 89.20}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-85		
P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{84.75, 89, 81.6, 93.95, 91, 85, 87, 79.25, 88.9, 81.2, 83.1, 92.7, 95.4, 90, 89.9, 85.9, 77.1, 87.1, 86, 90.7, 85.75, 84.5, 90.45, 88, 85.5, 87.95, 87.6, 85.2, 89.4, 85.95, 83.2, 86.65}
rand	=	0.05
(T - P)	=	{5.65, 6.05, 1.5, 1.2, 5.55, 14.4, 0.05, 12.3, 6.6, 12.6, 7.3, 20.2, 0.4, 3.5, 9.95, 0.2, 12.65, 5.1, 11.9, 6.8, 7, 3.5, 1.8, 4.8, 0.5, 2.55, 10.15, 0.15, 3.9, 2.25, 1.05, 2.45}
rand . (T - P)	=	{0.28, 0.30, 0.08, 0.06, 0.28, 0.72, 0.00, 0.62, 0.33, 0.63, 0.37, 1.01, 0.02, 0.18, 0.50, 0.01, 0.63, 0.26, 0.60, 0.34, 0.35, 0.18, 0.09, 0.24, 0.03, 0.13, 0.51, 0.01, 0.20, 0.11, 0.05, 0.12}
Xnew = P + (rand . (T - P))	=	{90.68, 95.35, 83.18, 92.81, 85.73, 71.32, 87.05, 92.17, 82.63, 94.43, 90.77, 73.51, 95.02, 86.68, 80.45, 85.71, 90.38, 92.46, 98.50, 97.84, 79.10, 81.18, 92.34, 83.44, 86.03, 90.63, 98.26, 85.06, 85.70, 88.31, 84.30, 89.22}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-86		
P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}

T(tetangga acuan)	=	{84.75, 89, 81.6, 93.95, 91, 85, 87, 79.25, 88.9, 81.2, 83.1, 92.7, 95.4, 90, 89.9, 85.9, 77.1, 87.1, 86, 90.7, 85.75, 84.5, 90.45, 88, 85.5, 87.95, 87.6, 85.2, 89.4, 85.95, 83.2, 86.65}
rand	=	0.06
(T - P)	=	{5.65, 6.05, 1.5, 1.2, 5.55, 14.4, 0.05, 12.3, 6.6, 12.6, 7.3, 20.2, 0.4, 3.5, 9.95, 0.2, 12.65, 5.1, 11.9, 6.8, 7, 3.5, 1.8, 4.8, 0.5, 2.55, 10.15, 0.15, 3.9, 2.25, 1.05, 2.45}
rand . (T - P)	=	{0.34, 0.36, 0.09, 0.07, 0.33, 0.86, 0.00, 0.74, 0.40, 0.76, 0.44, 1.21, 0.02, 0.21, 0.60, 0.01, 0.76, 0.31, 0.71, 0.41, 0.42, 0.21, 0.11, 0.29, 0.03, 0.15, 0.61, 0.01, 0.23, 0.14, 0.06, 0.15}
Xnew = P + (rand . (T - P))	=	{90.74, 95.41, 83.19, 92.82, 85.78, 71.46, 87.05, 92.29, 82.70, 94.56, 90.84, 73.71, 95.02, 86.71, 80.55, 85.71, 90.51, 92.51, 98.61, 97.91, 79.17, 81.21, 92.36, 83.49, 86.03, 90.65, 98.36, 85.06, 85.73, 88.34, 84.31, 89.25}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-87		
P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{84.75, 89, 81.6, 93.95, 91, 85, 87, 79.25, 88.9, 81.2, 83.1, 92.7, 95.4, 90, 89.9, 85.9, 77.1, 87.1, 86, 90.7, 85.75, 84.5, 90.45, 88, 85.5, 87.95, 87.6, 85.2, 89.4, 85.95, 83.2, 86.65}
rand	=	0.07
(T - P)	=	{5.65, 6.05, 1.5, 1.2, 5.55, 14.4, 0.05, 12.3, 6.6, 12.6, 7.3, 20.2, 0.4, 3.5, 9.95, 0.2, 12.65, 5.1, 11.9, 6.8, 7, 3.5, 1.8, 4.8, 0.5, 2.55, 10.15, 0.15, 3.9, 2.25, 1.05, 2.45}
rand . (T - P)	=	{0.40, 0.42, 0.11, 0.08, 0.39, 1.01, 0.00, 0.86, 0.46, 0.88, 0.51, 1.41, 0.03, 0.25, 0.70, 0.01, 0.89, 0.36, 0.83, 0.48, 0.49, 0.25, 0.13, 0.34, 0.04, 0.18, 0.71, 0.01, 0.27, 0.16, 0.07, 0.17}
Xnew = P + (rand . (T - P))	=	{90.80, 95.47, 83.21, 92.83, 85.84, 71.61, 87.05, 92.41, 82.76, 94.68, 90.91, 73.91, 95.03, 86.75, 80.65, 85.71, 90.64, 92.56, 98.73, 97.98, 79.24, 81.25, 92.38, 83.54, 86.04, 90.68, 98.46, 85.06, 85.77, 88.36, 84.32, 89.27}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-88		
P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}

T(tetangga acuan)	=	{84.75, 89, 81.6, 93.95, 91, 85, 87, 79.25, 88.9, 81.2, 83.1, 92.7, 95.4, 90, 89.9, 85.9, 77.1, 87.1, 86, 90.7, 85.75, 84.5, 90.45, 88, 85.5, 87.95, 87.6, 85.2, 89.4, 85.95, 83.2, 86.65}
rand	=	0.08
(T - P)	=	{5.65, 6.05, 1.5, 1.2, 5.55, 14.4, 0.05, 12.3, 6.6, 12.6, 7.3, 20.2, 0.4, 3.5, 9.95, 0.2, 12.65, 5.1, 11.9, 6.8, 7, 3.5, 1.8, 4.8, 0.5, 2.55, 10.15, 0.15, 3.9, 2.25, 1.05, 2.45}
rand . (T - P)	=	{0.45, 0.48, 0.12, 0.10, 0.44, 1.15, 0.00, 0.98, 0.53, 1.01, 0.58, 1.62, 0.03, 0.28, 0.80, 0.02, 1.01, 0.41, 0.95, 0.54, 0.56, 0.28, 0.14, 0.38, 0.04, 0.20, 0.81, 0.01, 0.31, 0.18, 0.08, 0.20}
Xnew = P + (rand . (T - P))	=	{90.85, 95.53, 83.22, 92.85, 85.89, 71.75, 87.05, 92.53, 82.83, 94.81, 90.98, 74.12, 95.03, 86.78, 80.75, 85.72, 90.76, 92.61, 98.85, 98.04, 79.31, 81.28, 92.39, 83.58, 86.04, 90.70, 98.56, 85.06, 85.81, 88.38, 84.33, 89.30}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-89		
P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{84.75, 89, 81.6, 93.95, 91, 85, 87, 79.25, 88.9, 81.2, 83.1, 92.7, 95.4, 90, 89.9, 85.9, 77.1, 87.1, 86, 90.7, 85.75, 84.5, 90.45, 88, 85.5, 87.95, 87.6, 85.2, 89.4, 85.95, 83.2, 86.65}
rand	=	0.09
(T - P)	=	{5.65, 6.05, 1.5, 1.2, 5.55, 14.4, 0.05, 12.3, 6.6, 12.6, 7.3, 20.2, 0.4, 3.5, 9.95, 0.2, 12.65, 5.1, 11.9, 6.8, 7, 3.5, 1.8, 4.8, 0.5, 2.55, 10.15, 0.15, 3.9, 2.25, 1.05, 2.45}
rand . (T - P)	=	{0.51, 0.54, 0.14, 0.11, 0.50, 1.30, 0.00, 1.11, 0.59, 1.13, 0.66, 1.82, 0.04, 0.32, 0.90, 0.02, 1.14, 0.46, 1.07, 0.61, 0.63, 0.32, 0.16, 0.43, 0.05, 0.23, 0.91, 0.01, 0.35, 0.20, 0.09, 0.22}
Xnew = P + (rand . (T - P))	=	{90.91, 95.59, 83.24, 92.86, 85.95, 71.90, 87.05, 92.66, 82.89, 94.93, 91.06, 74.32, 95.04, 86.82, 80.85, 85.72, 90.89, 92.66, 98.97, 98.11, 79.38, 81.32, 92.41, 83.63, 86.05, 90.73, 98.66, 85.06, 85.85, 88.40, 84.34, 89.32}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-90		
P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}

T(tetangga acuan)	=	{84.75, 89, 81.6, 93.95, 91, 85, 87, 79.25, 88.9, 81.2, 83.1, 92.7, 95.4, 90, 89.9, 85.9, 77.1, 87.1, 86, 90.7, 85.75, 84.5, 90.45, 88, 85.5, 87.95, 87.6, 85.2, 89.4, 85.95, 83.2, 86.65}
rand	=	0.1
(T - P)	=	{5.65, 6.05, 1.5, 1.2, 5.55, 14.4, 0.05, 12.3, 6.6, 12.6, 7.3, 20.2, 0.4, 3.5, 9.95, 0.2, 12.65, 5.1, 11.9, 6.8, 7, 3.5, 1.8, 4.8, 0.5, 2.55, 10.15, 0.15, 3.9, 2.25, 1.05, 2.45}
rand . (T - P)	=	{0.57, 0.61, 0.15, 0.12, 0.56, 1.44, 0.01, 1.23, 0.66, 1.26, 0.73, 2.02, 0.04, 0.35, 1.00, 0.02, 1.27, 0.51, 1.19, 0.68, 0.70, 0.35, 0.18, 0.48, 0.05, 0.26, 1.02, 0.02, 0.39, 0.23, 0.11, 0.25}
Xnew = P + (rand . (T - P))	=	{90.97, 95.66, 83.25, 92.87, 86.01, 72.04, 87.06, 92.78, 82.96, 95.06, 91.13, 74.52, 95.04, 86.85, 80.95, 85.72, 91.02, 92.71, 99.09, 98.18, 79.45, 81.35, 92.43, 83.68, 86.05, 90.76, 98.77, 85.07, 85.89, 88.43, 84.36, 89.35}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-91		
P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{88.5, 85.5, 83.45, 85.25, 90, 86.75, 83.45, 81, 80.55, 69.95, 82.25, 64.5, 92.25, 86.5, 70.45, 76.5, 80.9, 78.25, 94.5, 91.75, 74.25, 73.5, 95.75, 80.5, 81.25, 89.55, 98.95, 83.75, 84.5, 88.2, 84.25, 88.8}
rand	=	0.01
(T - P)	=	{1.9, 9.55, 0.35, 7.5, 4.55, 16.15, 3.6, 10.55, 1.75, 23.85, 8.15, 8, 2.75, 0, 9.5, 9.2, 8.85, 13.95, 3.4, 5.75, 4.5, 7.5, 3.5, 2.7, 4.75, 0.95, 1.2, 1.3, 1, 0, 0, 0.3}
rand . (T - P)	=	{0.02, 0.10, 0.00, 0.08, 0.05, 0.16, 0.04, 0.11, 0.02, 0.24, 0.08, 0.08, 0.03, 0.00, 0.10, 0.09, 0.09, 0.14, 0.03, 0.06, 0.05, 0.08, 0.04, 0.03, 0.05, 0.01, 0.01, 0.01, 0.01, 0.00, 0.00, 0.00}
Xnew = P + (rand . (T - P))	=	{90.42, 95.15, 83.10, 92.83, 85.50, 70.76, 87.09, 91.66, 82.32, 94.04, 90.48, 72.58, 95.03, 86.50, 80.05, 85.79, 89.84, 92.34, 97.93, 97.56, 78.80, 81.08, 92.29, 83.23, 86.05, 90.51, 97.76, 85.06, 85.51, 88.20, 84.25, 89.10}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-92		
P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}

T(tetangga acuan)	=	{88.5, 85.5, 83.45, 85.25, 90, 86.75, 83.45, 81, 80.55, 69.95, 82.25, 64.5, 92.25, 86.5, 70.45, 76.5, 80.9, 78.25, 94.5, 91.75, 74.25, 73.5, 95.75, 80.5, 81.25, 89.55, 98.95, 83.75, 84.5, 88.2, 84.25, 88.8}
rand	=	0.02
(T - P)	=	{1.9, 9.55, 0.35, 7.5, 4.55, 16.15, 3.6, 10.55, 1.75, 23.85, 8.15, 8, 2.75, 0, 9.5, 9.2, 8.85, 13.95, 3.4, 5.75, 4.5, 7.5, 3.5, 2.7, 4.75, 0.95, 1.2, 1.3, 1, 0, 0, 0.3}
rand . (T - P)	=	{0.04, 0.19, 0.01, 0.15, 0.09, 0.32, 0.07, 0.21, 0.04, 0.48, 0.16, 0.16, 0.06, 0.00, 0.19, 0.18, 0.18, 0.28, 0.07, 0.12, 0.09, 0.15, 0.07, 0.05, 0.10, 0.02, 0.02, 0.03, 0.02, 0.00, 0.00, 0.01}
Xnew = P + (rand . (T - P))	=	{90.44, 95.24, 83.11, 92.90, 85.54, 70.92, 87.12, 91.76, 82.34, 94.28, 90.56, 72.66, 95.06, 86.50, 80.14, 85.88, 89.93, 92.48, 97.97, 97.62, 78.84, 81.15, 92.32, 83.25, 86.10, 90.52, 97.77, 85.08, 85.52, 88.20, 84.25, 89.11}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-93		
P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{88.5, 85.5, 83.45, 85.25, 90, 86.75, 83.45, 81, 80.55, 69.95, 82.25, 64.5, 92.25, 86.5, 70.45, 76.5, 80.9, 78.25, 94.5, 91.75, 74.25, 73.5, 95.75, 80.5, 81.25, 89.55, 98.95, 83.75, 84.5, 88.2, 84.25, 88.8}
rand	=	0.03
(T - P)	=	{1.9, 9.55, 0.35, 7.5, 4.55, 16.15, 3.6, 10.55, 1.75, 23.85, 8.15, 8, 2.75, 0, 9.5, 9.2, 8.85, 13.95, 3.4, 5.75, 4.5, 7.5, 3.5, 2.7, 4.75, 0.95, 1.2, 1.3, 1, 0, 0, 0.3}
rand . (T - P)	=	{0.06, 0.29, 0.01, 0.23, 0.14, 0.48, 0.11, 0.32, 0.05, 0.72, 0.24, 0.24, 0.08, 0.00, 0.29, 0.28, 0.27, 0.42, 0.10, 0.17, 0.14, 0.23, 0.11, 0.08, 0.14, 0.03, 0.04, 0.04, 0.03, 0.00, 0.00, 0.01}
Xnew = P + (rand . (T - P))	=	{90.46, 95.34, 83.11, 92.98, 85.59, 71.08, 87.16, 91.87, 82.35, 94.52, 90.64, 72.74, 95.08, 86.50, 80.24, 85.98, 90.02, 92.62, 98.00, 97.67, 78.89, 81.23, 92.36, 83.28, 86.14, 90.53, 97.79, 85.09, 85.53, 88.20, 84.25, 89.11}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-94		

P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{88.5, 85.5, 83.45, 85.25, 90, 86.75, 83.45, 81, 80.55, 69.95, 82.25, 64.5, 92.25, 86.5, 70.45, 76.5, 80.9, 78.25, 94.5, 91.75, 74.25, 73.5, 95.75, 80.5, 81.25, 89.55, 98.95, 83.75, 84.5, 88.2, 84.25, 88.8}
rand	=	0.04
(T - P)	=	{1.9, 9.55, 0.35, 7.5, 4.55, 16.15, 3.6, 10.55, 1.75, 23.85, 8.15, 8, 2.75, 0, 9.5, 9.2, 8.85, 13.95, 3.4, 5.75, 4.5, 7.5, 3.5, 2.7, 4.75, 0.95, 1.2, 1.3, 1, 0, 0, 0.3}
rand . (T - P)	=	{0.08, 0.38, 0.01, 0.30, 0.18, 0.65, 0.14, 0.42, 0.07, 0.95, 0.33, 0.32, 0.11, 0.00, 0.38, 0.37, 0.35, 0.56, 0.14, 0.23, 0.18, 0.30, 0.14, 0.11, 0.19, 0.04, 0.05, 0.05, 0.04, 0.00, 0.00, 0.01}
Xnew = P + (rand . (T - P))	=	{90.48, 95.43, 83.11, 93.05, 85.63, 71.25, 87.19, 91.97, 82.37, 94.75, 90.73, 72.82, 95.11, 86.50, 80.33, 86.07, 90.10, 92.76, 98.04, 97.73, 78.93, 81.30, 92.39, 83.31, 86.19, 90.54, 97.80, 85.10, 85.54, 88.20, 84.25, 89.11}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-95		
P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{88.5, 85.5, 83.45, 85.25, 90, 86.75, 83.45, 81, 80.55, 69.95, 82.25, 64.5, 92.25, 86.5, 70.45, 76.5, 80.9, 78.25, 94.5, 91.75, 74.25, 73.5, 95.75, 80.5, 81.25, 89.55, 98.95, 83.75, 84.5, 88.2, 84.25, 88.8}
rand	=	0.05
(T - P)	=	{1.9, 9.55, 0.35, 7.5, 4.55, 16.15, 3.6, 10.55, 1.75, 23.85, 8.15, 8, 2.75, 0, 9.5, 9.2, 8.85, 13.95, 3.4, 5.75, 4.5, 7.5, 3.5, 2.7, 4.75, 0.95, 1.2, 1.3, 1, 0, 0, 0.3}
rand . (T - P)	=	{0.10, 0.48, 0.02, 0.38, 0.23, 0.81, 0.18, 0.53, 0.09, 1.19, 0.41, 0.40, 0.14, 0.00, 0.48, 0.46, 0.44, 0.70, 0.17, 0.29, 0.23, 0.38, 0.18, 0.14, 0.24, 0.05, 0.06, 0.07, 0.05, 0.00, 0.00, 0.02}
Xnew = P + (rand . (T - P))	=	{90.50, 95.53, 83.12, 93.13, 85.68, 71.41, 87.23, 92.08, 82.39, 94.99, 90.81, 72.90, 95.14, 86.50, 80.43, 86.16, 90.19, 92.90, 98.07, 97.79, 78.98, 81.38, 92.43, 83.34, 86.24, 90.55, 97.81, 85.12, 85.55, 88.20, 84.25, 89.12}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-96

P(titik sample) = {90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}

T(tetangga acuan) = {88.5, 85.5, 83.45, 85.25, 90, 86.75, 83.45, 81, 80.55, 69.95, 82.25, 64.5, 92.25, 86.5, 70.45, 76.5, 80.9, 78.25, 94.5, 91.75, 74.25, 73.5, 95.75, 80.5, 81.25, 89.55, 98.95, 83.75, 84.5, 88.2, 84.25, 88.8}

rand = 0.06

(T - P) = {1.9, 9.55, 0.35, 7.5, 4.55, 16.15, 3.6, 10.55, 1.75, 23.85, 8.15, 8, 2.75, 0, 9.5, 9.2, 8.85, 13.95, 3.4, 5.75, 4.5, 7.5, 3.5, 2.7, 4.75, 0.95, 1.2, 1.3, 1, 0, 0, 0.3}

rand . (T - P) = {0.11, 0.57, 0.02, 0.45, 0.27, 0.97, 0.22, 0.63, 0.11, 1.43, 0.49, 0.48, 0.17, 0.00, 0.57, 0.55, 0.53, 0.84, 0.20, 0.35, 0.27, 0.45, 0.21, 0.16, 0.29, 0.06, 0.07, 0.08, 0.06, 0.00, 0.00, 0.02}

Xnew = P + (rand . (T - P)) = {90.51, 95.62, 83.12, 93.20, 85.72, 71.57, 87.27, 92.18, 82.41, 95.23, 90.89, 72.98, 95.17, 86.50, 80.52, 86.25, 90.28, 93.04, 98.10, 97.85, 79.02, 81.45, 92.46, 83.36, 86.29, 90.56, 97.82, 85.13, 85.56, 88.20, 84.25, 89.12}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-97

P(titik sample) = {90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}

T(tetangga acuan) = {88.5, 85.5, 83.45, 85.25, 90, 86.75, 83.45, 81, 80.55, 69.95, 82.25, 64.5, 92.25, 86.5, 70.45, 76.5, 80.9, 78.25, 94.5, 91.75, 74.25, 73.5, 95.75, 80.5, 81.25, 89.55, 98.95, 83.75, 84.5, 88.2, 84.25, 88.8}

rand = 0.07

(T - P) = {1.9, 9.55, 0.35, 7.5, 4.55, 16.15, 3.6, 10.55, 1.75, 23.85, 8.15, 8, 2.75, 0, 9.5, 9.2, 8.85, 13.95, 3.4, 5.75, 4.5, 7.5, 3.5, 2.7, 4.75, 0.95, 1.2, 1.3, 1, 0, 0, 0.3}

rand . (T - P) = {0.13, 0.67, 0.02, 0.53, 0.32, 1.13, 0.25, 0.74, 0.12, 1.67, 0.57, 0.56, 0.19, 0.00, 0.67, 0.64, 0.62, 0.98, 0.24, 0.40, 0.32, 0.53, 0.25, 0.19, 0.33, 0.07, 0.08, 0.09, 0.07, 0.00, 0.00, 0.02}

Xnew = P + (rand . (T - P)) = {90.53, 95.72, 83.12, 93.28, 85.77, 71.73, 87.30, 92.29, 82.42, 95.47, 90.97, 73.06, 95.19, 86.50, 80.62, 86.34, 90.37, 93.18,

98.14, 97.90, 79.07, 81.53, 92.50, 83.39, 86.33, 90.57, 97.83, 85.14, 85.57, 88.20, 84.25, 89.12}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-98

P(titik sample) = {90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}

T(tetangga acuan) = {88.5, 85.5, 83.45, 85.25, 90, 86.75, 83.45, 81, 80.55, 69.95, 82.25, 64.5, 92.25, 86.5, 70.45, 76.5, 80.9, 78.25, 94.5, 91.75, 74.25, 73.5, 95.75, 80.5, 81.25, 89.55, 98.95, 83.75, 84.5, 88.2, 84.25, 88.8}

rand = 0.08

(T - P) = {1.9, 9.55, 0.35, 7.5, 4.55, 16.15, 3.6, 10.55, 1.75, 23.85, 8.15, 8, 2.75, 0, 9.5, 9.2, 8.85, 13.95, 3.4, 5.75, 4.5, 7.5, 3.5, 2.7, 4.75, 0.95, 1.2, 1.3, 1, 0, 0, 0.3}

rand . (T - P) = {0.15, 0.76, 0.03, 0.60, 0.36, 1.29, 0.29, 0.84, 0.14, 1.91, 0.65, 0.64, 0.22, 0.00, 0.76, 0.74, 0.71, 1.12, 0.27, 0.46, 0.36, 0.60, 0.28, 0.22, 0.38, 0.08, 0.10, 0.10, 0.08, 0.00, 0.00, 0.02}

Xnew = P + (rand . (T - P)) = {90.55, 95.81, 83.13, 93.35, 85.81, 71.89, 87.34, 92.39, 82.44, 95.71, 91.05, 73.14, 95.22, 86.50, 80.71, 86.44, 90.46, 93.32, 98.17, 97.96, 79.11, 81.60, 92.53, 83.42, 86.38, 90.58, 97.85, 85.15, 85.58, 88.20, 84.25, 89.12}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-99

P(titik sample) = {90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}

T(tetangga acuan) = {88.5, 85.5, 83.45, 85.25, 90, 86.75, 83.45, 81, 80.55, 69.95, 82.25, 64.5, 92.25, 86.5, 70.45, 76.5, 80.9, 78.25, 94.5, 91.75, 74.25, 73.5, 95.75, 80.5, 81.25, 89.55, 98.95, 83.75, 84.5, 88.2, 84.25, 88.8}

rand = 0.09

(T - P) = {1.9, 9.55, 0.35, 7.5, 4.55, 16.15, 3.6, 10.55, 1.75, 23.85, 8.15, 8, 2.75, 0, 9.5, 9.2, 8.85, 13.95, 3.4, 5.75, 4.5, 7.5, 3.5, 2.7, 4.75, 0.95, 1.2, 1.3, 1, 0, 0, 0.3}

rand . (T - P) = {0.17, 0.86, 0.03, 0.68, 0.41, 1.45, 0.32, 0.95, 0.16, 2.15, 0.73, 0.72, 0.25, 0.00, 0.86, 0.83, 0.80, 1.26, 0.31, 0.52, 0.41, 0.68, 0.32, 0.24, 0.43, 0.09, 0.11, 0.12, 0.09, 0.00, 0.00, 0.03}

$$\begin{aligned} X_{\text{new}} = P + (\text{rand} \cdot (T - P)) &= \{90.57, 95.91, 83.13, 93.43, 85.86, 72.05, 87.37, 92.50, 82.46, \\ &95.95, 91.13, 73.22, 95.25, 86.50, 80.81, 86.53, 90.55, 93.46, \\ &98.21, 98.02, 79.16, 81.68, 92.57, 83.44, 86.43, 90.59, 97.86, \\ &85.17, 85.59, 88.20, 84.25, 89.13\} \end{aligned}$$

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-100

$$P(\text{titik sample}) = \{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1\}$$

$$T(\text{tetangga acuan}) = \{88.5, 85.5, 83.45, 85.25, 90, 86.75, 83.45, 81, 80.55, 69.95, 82.25, 64.5, 92.25, 86.5, 70.45, 76.5, 80.9, 78.25, 94.5, 91.75, 74.25, 73.5, 95.75, 80.5, 81.25, 89.55, 98.95, 83.75, 84.5, 88.2, 84.25, 88.8\}$$

$$\text{rand} = 0.1$$

$$(T - P) = \{1.9, 9.55, 0.35, 7.5, 4.55, 16.15, 3.6, 10.55, 1.75, 23.85, 8.15, 8, 2.75, 0, 9.5, 9.2, 8.85, 13.95, 3.4, 5.75, 4.5, 7.5, 3.5, 2.7, 4.75, 0.95, 1.2, 1.3, 1, 0, 0, 0.3\}$$

$$\text{rand} \cdot (T - P) = \{0.19, 0.96, 0.04, 0.75, 0.46, 1.62, 0.36, 1.06, 0.18, 2.39, 0.82, 0.80, 0.28, 0.00, 0.95, 0.92, 0.89, 1.40, 0.34, 0.58, 0.45, 0.75, 0.35, 0.27, 0.48, 0.10, 0.12, 0.13, 0.10, 0.00, 0.00, 0.03\}$$

$$\begin{aligned} X_{\text{new}} = P + (\text{rand} \cdot (T - P)) &= \{90.59, 96.01, 83.14, 93.50, 85.91, 72.22, 87.41, 92.61, 82.48, \\ &96.19, 91.22, 73.30, 95.28, 86.50, 80.90, 86.62, 90.64, 93.60, \\ &98.24, 98.08, 79.20, 81.75, 92.60, 83.47, 86.48, 90.60, 97.87, \\ &85.18, 85.60, 88.20, 84.25, 89.13\} \end{aligned}$$

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-101

$$P(\text{titik sample}) = \{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1\}$$

$$T(\text{tetangga acuan}) = \{88, 76.5, 77.95, 91, 71.2, 82.45, 83.9, 87.6, 86.65, 86.45, 83.25, 90.25, 92.2, 86.5, 86.5, 82.05, 70.5, 91, 90.35, 90.5, 79.5, 72.5, 92.75, 85.9, 82.5, 87.45, 94.7, 86, 83.35, 95.45, 83, 88.1\}$$

$$\text{rand} = 0.01$$

$$(T - P) = \{2.4, 18.55, 5.15, 1.75, 14.25, 11.85, 3.15, 3.95, 4.35, 7.35, 7.15, 17.75, 2.8, 0, 6.55, 3.65, 19.25, 1.2, 7.55, 7, 0.75, 8.5, 0.5, 2.7, 3.5, 3.05, 3.05, 0.95, 2.15, 7.25, 1.25, 1\}$$

rand . (T - P)	=	{0.02, 0.19, 0.05, 0.02, 0.14, 0.12, 0.03, 0.04, 0.04, 0.07, 0.07, 0.18, 0.03, 0.00, 0.07, 0.04, 0.19, 0.01, 0.08, 0.07, 0.01, 0.09, 0.01, 0.03, 0.04, 0.03, 0.03, 0.01, 0.02, 0.07, 0.01, 0.01}
Xnew = P + (rand . (T - P))	=	{90.42, 95.24, 83.15, 92.77, 85.59, 70.72, 87.08, 91.59, 82.34, 93.87, 90.47, 72.68, 95.03, 86.50, 80.02, 85.74, 89.94, 92.21, 97.98, 97.57, 78.76, 81.09, 92.26, 83.23, 86.04, 90.53, 97.78, 85.06, 85.52, 88.27, 84.26, 89.11}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-102		
P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{88, 76.5, 77.95, 91, 71.2, 82.45, 83.9, 87.6, 86.65, 86.45, 83.25, 90.25, 92.2, 86.5, 86.5, 82.05, 70.5, 91, 90.35, 90.5, 79.5, 72.5, 92.75, 85.9, 82.5, 87.45, 94.7, 86, 83.35, 95.45, 83, 88.1}
rand	=	0.02
(T - P)	=	{2.4, 18.55, 5.15, 1.75, 14.25, 11.85, 3.15, 3.95, 4.35, 7.35, 7.15, 17.75, 2.8, 0, 6.55, 3.65, 19.25, 1.2, 7.55, 7, 0.75, 8.5, 0.5, 2.7, 3.5, 3.05, 3.05, 0.95, 2.15, 7.25, 1.25, 1}
rand . (T - P)	=	{0.05, 0.37, 0.10, 0.04, 0.29, 0.24, 0.06, 0.08, 0.09, 0.15, 0.14, 0.36, 0.06, 0.00, 0.13, 0.07, 0.39, 0.02, 0.15, 0.14, 0.02, 0.17, 0.01, 0.05, 0.07, 0.06, 0.06, 0.02, 0.04, 0.15, 0.03, 0.02}
Xnew = P + (rand . (T - P))	=	{90.45, 95.42, 83.20, 92.79, 85.74, 70.84, 87.11, 91.63, 82.39, 93.95, 90.54, 72.86, 95.06, 86.50, 80.08, 85.77, 90.14, 92.22, 98.05, 97.64, 78.77, 81.17, 92.26, 83.25, 86.07, 90.56, 97.81, 85.07, 85.54, 88.35, 84.28, 89.12}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-103		
P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{88, 76.5, 77.95, 91, 71.2, 82.45, 83.9, 87.6, 86.65, 86.45, 83.25, 90.25, 92.2, 86.5, 86.5, 82.05, 70.5, 91, 90.35, 90.5, 79.5, 72.5, 92.75, 85.9, 82.5, 87.45, 94.7, 86, 83.35, 95.45, 83, 88.1}
rand	=	0.03

(T - P)	=	{2.4, 18.55, 5.15, 1.75, 14.25, 11.85, 3.15, 3.95, 4.35, 7.35, 7.15, 17.75, 2.8, 0, 6.55, 3.65, 19.25, 1.2, 7.55, 7, 0.75, 8.5, 0.5, 2.7, 3.5, 3.05, 3.05, 0.95, 2.15, 7.25, 1.25, 1}
rand . (T - P)	=	{0.07, 0.56, 0.15, 0.05, 0.43, 0.36, 0.09, 0.12, 0.13, 0.22, 0.21, 0.53, 0.08, 0.00, 0.20, 0.11, 0.58, 0.04, 0.23, 0.21, 0.02, 0.26, 0.02, 0.08, 0.11, 0.09, 0.09, 0.03, 0.06, 0.22, 0.04, 0.03}
Xnew = P + (rand . (T - P))	=	{90.47, 95.61, 83.25, 92.80, 85.88, 70.96, 87.14, 91.67, 82.43, 94.02, 90.61, 73.03, 95.08, 86.50, 80.15, 85.81, 90.33, 92.24, 98.13, 97.71, 78.77, 81.26, 92.27, 83.28, 86.11, 90.59, 97.84, 85.08, 85.56, 88.42, 84.29, 89.13}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-104

P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{88, 76.5, 77.95, 91, 71.2, 82.45, 83.9, 87.6, 86.65, 86.45, 83.25, 90.25, 92.2, 86.5, 86.5, 82.05, 70.5, 91, 90.35, 90.5, 79.5, 72.5, 92.75, 85.9, 82.5, 87.45, 94.7, 86, 83.35, 95.45, 83, 88.1}
rand	=	0.04
(T - P)	=	{2.4, 18.55, 5.15, 1.75, 14.25, 11.85, 3.15, 3.95, 4.35, 7.35, 7.15, 17.75, 2.8, 0, 6.55, 3.65, 19.25, 1.2, 7.55, 7, 0.75, 8.5, 0.5, 2.7, 3.5, 3.05, 3.05, 0.95, 2.15, 7.25, 1.25, 1}
rand . (T - P)	=	{0.10, 0.74, 0.21, 0.07, 0.57, 0.47, 0.13, 0.16, 0.17, 0.29, 0.29, 0.71, 0.11, 0.00, 0.26, 0.15, 0.77, 0.05, 0.30, 0.28, 0.03, 0.34, 0.02, 0.11, 0.14, 0.12, 0.12, 0.04, 0.09, 0.29, 0.05, 0.04}
Xnew = P + (rand . (T - P))	=	{90.50, 95.79, 83.31, 92.82, 86.02, 71.07, 87.18, 91.71, 82.47, 94.09, 90.69, 73.21, 95.11, 86.50, 80.21, 85.85, 90.52, 92.25, 98.20, 97.78, 78.78, 81.34, 92.27, 83.31, 86.14, 90.62, 97.87, 85.09, 85.59, 88.49, 84.30, 89.14}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-105

P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{88, 76.5, 77.95, 91, 71.2, 82.45, 83.9, 87.6, 86.65, 86.45, 83.25, 90.25, 92.2, 86.5, 86.5, 82.05, 70.5, 91, 90.35, 90.5, 79.5, 72.5, 92.75, 85.9, 82.5, 87.45, 94.7, 86, 83.35, 95.45, 83, 88.1}

rand	= 0.05
(T - P)	= {2.4, 18.55, 5.15, 1.75, 14.25, 11.85, 3.15, 3.95, 4.35, 7.35, 7.15, 17.75, 2.8, 0, 6.55, 3.65, 19.25, 1.2, 7.55, 7, 0.75, 8.5, 0.5, 2.7, 3.5, 3.05, 3.05, 0.95, 2.15, 7.25, 1.25, 1}
rand . (T - P)	= {0.12, 0.93, 0.26, 0.09, 0.71, 0.59, 0.16, 0.20, 0.22, 0.37, 0.36, 0.89, 0.14, 0.00, 0.33, 0.18, 0.96, 0.06, 0.38, 0.35, 0.04, 0.43, 0.03, 0.14, 0.18, 0.15, 0.15, 0.05, 0.11, 0.36, 0.06, 0.05}
Xnew = P + (rand . (T - P))	= {90.52, 95.98, 83.36, 92.84, 86.16, 71.19, 87.21, 91.75, 82.52, 94.17, 90.76, 73.39, 95.14, 86.50, 80.28, 85.88, 90.71, 92.26, 98.28, 97.85, 78.79, 81.43, 92.28, 83.34, 86.18, 90.65, 97.90, 85.10, 85.61, 88.56, 84.31, 89.15}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-106

P(titik sample)	= {90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	= {88, 76.5, 77.95, 91, 71.2, 82.45, 83.9, 87.6, 86.65, 86.45, 83.25, 90.25, 92.2, 86.5, 86.5, 82.05, 70.5, 91, 90.35, 90.5, 79.5, 72.5, 92.75, 85.9, 82.5, 87.45, 94.7, 86, 83.35, 95.45, 83, 88.1}
rand	= 0.06
(T - P)	= {2.4, 18.55, 5.15, 1.75, 14.25, 11.85, 3.15, 3.95, 4.35, 7.35, 7.15, 17.75, 2.8, 0, 6.55, 3.65, 19.25, 1.2, 7.55, 7, 0.75, 8.5, 0.5, 2.7, 3.5, 3.05, 3.05, 0.95, 2.15, 7.25, 1.25, 1}
rand . (T - P)	= {0.14, 1.11, 0.31, 0.11, 0.86, 0.71, 0.19, 0.24, 0.26, 0.44, 0.43, 1.07, 0.17, 0.00, 0.39, 0.22, 1.16, 0.07, 0.45, 0.42, 0.05, 0.51, 0.03, 0.16, 0.21, 0.18, 0.18, 0.06, 0.13, 0.44, 0.08, 0.06}
Xnew = P + (rand . (T - P))	= {90.54, 96.16, 83.41, 92.86, 86.31, 71.31, 87.24, 91.79, 82.56, 94.24, 90.83, 73.57, 95.17, 86.50, 80.34, 85.92, 90.91, 92.27, 98.35, 97.92, 78.80, 81.51, 92.28, 83.36, 86.21, 90.68, 97.93, 85.11, 85.63, 88.64, 84.33, 89.16}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-107

P(titik sample)	= {90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	= {88, 76.5, 77.95, 91, 71.2, 82.45, 83.9, 87.6, 86.65, 86.45, 83.25, 90.25, 92.2, 86.5, 86.5, 82.05, 70.5, 91, 90.35, 90.5,

		79.5, 72.5, 92.75, 85.9, 82.5, 87.45, 94.7, 86, 83.35, 95.45, 83, 88.1}
rand	=	0.07
(T - P)	=	{2.4, 18.55, 5.15, 1.75, 14.25, 11.85, 3.15, 3.95, 4.35, 7.35, 7.15, 17.75, 2.8, 0, 6.55, 3.65, 19.25, 1.2, 7.55, 7, 0.75, 8.5, 0.5, 2.7, 3.5, 3.05, 3.05, 0.95, 2.15, 7.25, 1.25, 1}
rand . (T - P)	=	{0.17, 1.30, 0.36, 0.12, 1.00, 0.83, 0.22, 0.28, 0.30, 0.51, 0.50, 1.24, 0.20, 0.00, 0.46, 0.26, 1.35, 0.08, 0.53, 0.49, 0.05, 0.60, 0.04, 0.19, 0.25, 0.21, 0.21, 0.07, 0.15, 0.51, 0.09, 0.07}
Xnew = P + (rand . (T - P))	=	{90.57, 96.35, 83.46, 92.87, 86.45, 71.43, 87.27, 91.83, 82.60, 94.31, 90.90, 73.74, 95.20, 86.50, 80.41, 85.96, 91.10, 92.28, 98.43, 97.99, 78.80, 81.60, 92.29, 83.39, 86.25, 90.71, 97.96, 85.12, 85.65, 88.71, 84.34, 89.17}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-108

P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{88, 76.5, 77.95, 91, 71.2, 82.45, 83.9, 87.6, 86.65, 86.45, 83.25, 90.25, 92.2, 86.5, 86.5, 82.05, 70.5, 91, 90.35, 90.5, 79.5, 72.5, 92.75, 85.9, 82.5, 87.45, 94.7, 86, 83.35, 95.45, 83, 88.1}
rand	=	0.08
(T - P)	=	{2.4, 18.55, 5.15, 1.75, 14.25, 11.85, 3.15, 3.95, 4.35, 7.35, 7.15, 17.75, 2.8, 0, 6.55, 3.65, 19.25, 1.2, 7.55, 7, 0.75, 8.5, 0.5, 2.7, 3.5, 3.05, 3.05, 0.95, 2.15, 7.25, 1.25, 1}
rand . (T - P)	=	{0.19, 1.48, 0.41, 0.14, 1.14, 0.95, 0.25, 0.32, 0.35, 0.59, 0.57, 1.42, 0.22, 0.00, 0.52, 0.29, 1.54, 0.10, 0.60, 0.56, 0.06, 0.68, 0.04, 0.22, 0.28, 0.24, 0.24, 0.08, 0.17, 0.58, 0.10, 0.08}
Xnew = P + (rand . (T - P))	=	{90.59, 96.53, 83.51, 92.89, 86.59, 71.55, 87.30, 91.87, 82.65, 94.39, 90.97, 73.92, 95.22, 86.50, 80.47, 85.99, 91.29, 92.30, 98.50, 98.06, 78.81, 81.68, 92.29, 83.42, 86.28, 90.74, 97.99, 85.13, 85.67, 88.78, 84.35, 89.18}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-109

P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
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T(tetangga acuan)	=	{88, 76.5, 77.95, 91, 71.2, 82.45, 83.9, 87.6, 86.65, 86.45, 83.25, 90.25, 92.2, 86.5, 86.5, 82.05, 70.5, 91, 90.35, 90.5, 79.5, 72.5, 92.75, 85.9, 82.5, 87.45, 94.7, 86, 83.35, 95.45, 83, 88.1}
rand	=	0.09
(T - P)	=	{2.4, 18.55, 5.15, 1.75, 14.25, 11.85, 3.15, 3.95, 4.35, 7.35, 7.15, 17.75, 2.8, 0, 6.55, 3.65, 19.25, 1.2, 7.55, 7, 0.75, 8.5, 0.5, 2.7, 3.5, 3.05, 3.05, 0.95, 2.15, 7.25, 1.25, 1}
rand . (T - P)	=	{0.22, 1.67, 0.46, 0.16, 1.28, 1.07, 0.28, 0.36, 0.39, 0.66, 0.64, 1.60, 0.25, 0.00, 0.59, 0.33, 1.73, 0.11, 0.68, 0.63, 0.07, 0.77, 0.05, 0.24, 0.32, 0.27, 0.27, 0.09, 0.19, 0.65, 0.11, 0.09}
Xnew = P + (rand . (T - P))	=	{90.62, 96.72, 83.56, 92.91, 86.73, 71.67, 87.33, 91.91, 82.69, 94.46, 91.04, 74.10, 95.25, 86.50, 80.54, 86.03, 91.48, 92.31, 98.58, 98.13, 78.82, 81.77, 92.30, 83.44, 86.32, 90.77, 98.02, 85.14, 85.69, 88.85, 84.36, 89.19}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-110		
P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{88, 76.5, 77.95, 91, 71.2, 82.45, 83.9, 87.6, 86.65, 86.45, 83.25, 90.25, 92.2, 86.5, 86.5, 82.05, 70.5, 91, 90.35, 90.5, 79.5, 72.5, 92.75, 85.9, 82.5, 87.45, 94.7, 86, 83.35, 95.45, 83, 88.1}
rand	=	0.1
(T - P)	=	{2.4, 18.55, 5.15, 1.75, 14.25, 11.85, 3.15, 3.95, 4.35, 7.35, 7.15, 17.75, 2.8, 0, 6.55, 3.65, 19.25, 1.2, 7.55, 7, 0.75, 8.5, 0.5, 2.7, 3.5, 3.05, 3.05, 0.95, 2.15, 7.25, 1.25, 1}
rand . (T - P)	=	{0.24, 1.86, 0.52, 0.18, 1.43, 1.19, 0.32, 0.40, 0.44, 0.74, 0.72, 1.78, 0.28, 0.00, 0.66, 0.37, 1.93, 0.12, 0.76, 0.70, 0.08, 0.85, 0.05, 0.27, 0.35, 0.31, 0.31, 0.10, 0.22, 0.73, 0.13, 0.10}
Xnew = P + (rand . (T - P))	=	{90.64, 96.91, 83.62, 92.93, 86.88, 71.79, 87.37, 91.95, 82.74, 94.54, 91.12, 74.28, 95.28, 86.50, 80.61, 86.07, 91.68, 92.32, 98.66, 98.20, 78.83, 81.85, 92.30, 83.47, 86.35, 90.81, 98.06, 85.15, 85.72, 88.93, 84.38, 89.20}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-111		

P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{87.2, 94.7, 85.7, 91.1, 92.5, 80.05, 85.5, 89.4, 85.15, 83.5, 89.85, 93.75, 95, 86.65, 98, 80.4, 75.1, 95.25, 88, 86.75, 89.75, 89.65, 97.25, 89.35, 91.5, 90.5, 86.95, 83.6, 85.75, 94, 83, 87.25}
rand	=	0.01
(T - P)	=	{3.2, 0.35, 2.6, 1.65, 7.05, 9.45, 1.55, 2.15, 2.85, 10.3, 0.55, 21.25, 0, 0.15, 18.05, 5.3, 14.65, 3.05, 9.9, 10.75, 11, 8.65, 5, 6.15, 5.5, 0, 10.8, 1.45, 0.25, 5.8, 1.25, 1.85}
rand . (T - P)	=	{0.03, 0.00, 0.03, 0.02, 0.07, 0.09, 0.02, 0.02, 0.03, 0.10, 0.01, 0.21, 0.00, 0.00, 0.18, 0.05, 0.15, 0.03, 0.10, 0.11, 0.11, 0.09, 0.05, 0.06, 0.06, 0.00, 0.11, 0.01, 0.00, 0.06, 0.01, 0.02}
Xnew = P + (rand . (T - P))	=	{90.43, 95.05, 83.13, 92.77, 85.52, 70.69, 87.07, 91.57, 82.33, 93.90, 90.41, 72.71, 95.00, 86.50, 80.13, 85.75, 89.90, 92.23, 98.00, 97.61, 78.86, 81.09, 92.30, 83.26, 86.06, 90.50, 97.86, 85.06, 85.50, 88.26, 84.26, 89.12}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-112		
P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{87.2, 94.7, 85.7, 91.1, 92.5, 80.05, 85.5, 89.4, 85.15, 83.5, 89.85, 93.75, 95, 86.65, 98, 80.4, 75.1, 95.25, 88, 86.75, 89.75, 89.65, 97.25, 89.35, 91.5, 90.5, 86.95, 83.6, 85.75, 94, 83, 87.25}
rand	=	0.02
(T - P)	=	{3.2, 0.35, 2.6, 1.65, 7.05, 9.45, 1.55, 2.15, 2.85, 10.3, 0.55, 21.25, 0, 0.15, 18.05, 5.3, 14.65, 3.05, 9.9, 10.75, 11, 8.65, 5, 6.15, 5.5, 0, 10.8, 1.45, 0.25, 5.8, 1.25, 1.85}
rand . (T - P)	=	{0.06, 0.01, 0.05, 0.03, 0.14, 0.19, 0.03, 0.04, 0.06, 0.21, 0.01, 0.43, 0.00, 0.00, 0.36, 0.11, 0.29, 0.06, 0.20, 0.22, 0.22, 0.17, 0.10, 0.12, 0.11, 0.00, 0.22, 0.03, 0.01, 0.12, 0.03, 0.04}
Xnew = P + (rand . (T - P))	=	{90.46, 95.06, 83.15, 92.78, 85.59, 70.79, 87.08, 91.59, 82.36, 94.01, 90.41, 72.93, 95.00, 86.50, 80.31, 85.81, 90.04, 92.26, 98.10, 97.72, 78.97, 81.17, 92.35, 83.32, 86.11, 90.50, 97.97, 85.08, 85.51, 88.32, 84.28, 89.14}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-113

P(titik sample) = {90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}

T(tetangga acuan) = {87.2, 94.7, 85.7, 91.1, 92.5, 80.05, 85.5, 89.4, 85.15, 83.5, 89.85, 93.75, 95, 86.65, 98, 80.4, 75.1, 95.25, 88, 86.75, 89.75, 89.65, 97.25, 89.35, 91.5, 90.5, 86.95, 83.6, 85.75, 94, 83, 87.25}

rand = 0.03

(T - P) = {3.2, 0.35, 2.6, 1.65, 7.05, 9.45, 1.55, 2.15, 2.85, 10.3, 0.55, 21.25, 0, 0.15, 18.05, 5.3, 14.65, 3.05, 9.9, 10.75, 11, 8.65, 5, 6.15, 5.5, 0, 10.8, 1.45, 0.25, 5.8, 1.25, 1.85}

rand . (T - P) = {0.10, 0.01, 0.08, 0.05, 0.21, 0.28, 0.05, 0.06, 0.09, 0.31, 0.02, 0.64, 0.00, 0.00, 0.54, 0.16, 0.44, 0.09, 0.30, 0.32, 0.33, 0.26, 0.15, 0.18, 0.17, 0.00, 0.32, 0.04, 0.01, 0.17, 0.04, 0.06}

Xnew = P + (rand . (T - P)) = {90.50, 95.06, 83.18, 92.80, 85.66, 70.88, 87.10, 91.61, 82.39, 94.11, 90.42, 73.14, 95.00, 86.50, 80.49, 85.86, 90.19, 92.29, 98.20, 97.82, 79.08, 81.26, 92.40, 83.38, 86.17, 90.50, 98.07, 85.09, 85.51, 88.37, 84.29, 89.16}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-114

P(titik sample) = {90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}

T(tetangga acuan) = {87.2, 94.7, 85.7, 91.1, 92.5, 80.05, 85.5, 89.4, 85.15, 83.5, 89.85, 93.75, 95, 86.65, 98, 80.4, 75.1, 95.25, 88, 86.75, 89.75, 89.65, 97.25, 89.35, 91.5, 90.5, 86.95, 83.6, 85.75, 94, 83, 87.25}

rand = 0.04

(T - P) = {3.2, 0.35, 2.6, 1.65, 7.05, 9.45, 1.55, 2.15, 2.85, 10.3, 0.55, 21.25, 0, 0.15, 18.05, 5.3, 14.65, 3.05, 9.9, 10.75, 11, 8.65, 5, 6.15, 5.5, 0, 10.8, 1.45, 0.25, 5.8, 1.25, 1.85}

rand . (T - P) = {0.13, 0.01, 0.10, 0.07, 0.28, 0.38, 0.06, 0.09, 0.11, 0.41, 0.02, 0.85, 0.00, 0.01, 0.72, 0.21, 0.59, 0.12, 0.40, 0.43, 0.44, 0.35, 0.20, 0.25, 0.22, 0.00, 0.43, 0.06, 0.01, 0.23, 0.05, 0.07}

Xnew = P + (rand . (T - P)) = {90.53, 95.06, 83.20, 92.82, 85.73, 70.98, 87.11, 91.64, 82.41, 94.21, 90.42, 73.35, 95.00, 86.51, 80.67, 85.91, 90.34, 92.32,

98.30, 97.93, 79.19, 81.35, 92.45, 83.45, 86.22, 90.50, 98.18, 85.11, 85.51, 88.43, 84.30, 89.17}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-115

P(titik sample) = {90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}

T(tetangga acuan) = {87.2, 94.7, 85.7, 91.1, 92.5, 80.05, 85.5, 89.4, 85.15, 83.5, 89.85, 93.75, 95, 86.65, 98, 80.4, 75.1, 95.25, 88, 86.75, 89.75, 89.65, 97.25, 89.35, 91.5, 90.5, 86.95, 83.6, 85.75, 94, 83, 87.25}

rand = 0.05

(T - P) = {3.2, 0.35, 2.6, 1.65, 7.05, 9.45, 1.55, 2.15, 2.85, 10.3, 0.55, 21.25, 0, 0.15, 18.05, 5.3, 14.65, 3.05, 9.9, 10.75, 11, 8.65, 5, 6.15, 5.5, 0, 10.8, 1.45, 0.25, 5.8, 1.25, 1.85}

rand . (T - P) = {0.16, 0.02, 0.13, 0.08, 0.35, 0.47, 0.08, 0.11, 0.14, 0.52, 0.03, 1.06, 0.00, 0.01, 0.90, 0.27, 0.73, 0.15, 0.50, 0.54, 0.55, 0.43, 0.25, 0.31, 0.28, 0.00, 0.54, 0.07, 0.01, 0.29, 0.06, 0.09}

Xnew = P + (rand . (T - P)) = {90.56, 95.07, 83.23, 92.83, 85.80, 71.07, 87.13, 91.66, 82.44, 94.32, 90.43, 73.56, 95.00, 86.51, 80.85, 85.97, 90.48, 92.35, 98.40, 98.04, 79.30, 81.43, 92.50, 83.51, 86.28, 90.50, 98.29, 85.12, 85.51, 88.49, 84.31, 89.19}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-116

P(titik sample) = {90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}

T(tetangga acuan) = {87.2, 94.7, 85.7, 91.1, 92.5, 80.05, 85.5, 89.4, 85.15, 83.5, 89.85, 93.75, 95, 86.65, 98, 80.4, 75.1, 95.25, 88, 86.75, 89.75, 89.65, 97.25, 89.35, 91.5, 90.5, 86.95, 83.6, 85.75, 94, 83, 87.25}

rand = 0.06

(T - P) = {3.2, 0.35, 2.6, 1.65, 7.05, 9.45, 1.55, 2.15, 2.85, 10.3, 0.55, 21.25, 0, 0.15, 18.05, 5.3, 14.65, 3.05, 9.9, 10.75, 11, 8.65, 5, 6.15, 5.5, 0, 10.8, 1.45, 0.25, 5.8, 1.25, 1.85}

rand . (T - P) = {0.19, 0.02, 0.16, 0.10, 0.42, 0.57, 0.09, 0.13, 0.17, 0.62, 0.03, 1.28, 0.00, 0.01, 1.08, 0.32, 0.88, 0.18, 0.59, 0.65, 0.66, 0.52, 0.30, 0.37, 0.33, 0.00, 0.65, 0.09, 0.02, 0.35, 0.08, 0.11}

$$\begin{aligned} X_{\text{new}} = P + (\text{rand} \cdot (T - P)) &= \{90.59, 95.07, 83.26, 92.85, 85.87, 71.17, 87.14, 91.68, 82.47, \\ &94.42, 90.43, 73.78, 95.00, 86.51, 81.03, 86.02, 90.63, 92.38, \\ &98.49, 98.15, 79.41, 81.52, 92.55, 83.57, 86.33, 90.50, 98.40, \\ &85.14, 85.52, 88.55, 84.33, 89.21\} \end{aligned}$$

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-117

$$P(\text{titik sample}) = \{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1\}$$

$$T(\text{tetangga acuan}) = \{87.2, 94.7, 85.7, 91.1, 92.5, 80.05, 85.5, 89.4, 85.15, 83.5, 89.85, 93.75, 95, 86.65, 98, 80.4, 75.1, 95.25, 88, 86.75, 89.75, 89.65, 97.25, 89.35, 91.5, 90.5, 86.95, 83.6, 85.75, 94, 83, 87.25\}$$

$$\text{rand} = 0.07$$

$$(T - P) = \{3.2, 0.35, 2.6, 1.65, 7.05, 9.45, 1.55, 2.15, 2.85, 10.3, 0.55, 21.25, 0, 0.15, 18.05, 5.3, 14.65, 3.05, 9.9, 10.75, 11, 8.65, 5, 6.15, 5.5, 0, 10.8, 1.45, 0.25, 5.8, 1.25, 1.85\}$$

$$\text{rand} \cdot (T - P) = \{0.22, 0.02, 0.18, 0.12, 0.49, 0.66, 0.11, 0.15, 0.20, 0.72, 0.04, 1.49, 0.00, 0.01, 1.26, 0.37, 1.03, 0.21, 0.69, 0.75, 0.77, 0.61, 0.35, 0.43, 0.39, 0.00, 0.76, 0.10, 0.02, 0.41, 0.09, 0.13\}$$

$$\begin{aligned} X_{\text{new}} = P + (\text{rand} \cdot (T - P)) &= \{90.62, 95.07, 83.28, 92.87, 85.94, 71.26, 87.16, 91.70, 82.50, \\ &94.52, 90.44, 73.99, 95.00, 86.51, 81.21, 86.07, 90.78, 92.41, \\ &98.59, 98.25, 79.52, 81.61, 92.60, 83.63, 86.39, 90.50, 98.51, \\ &85.15, 85.52, 88.61, 84.34, 89.23\} \end{aligned}$$

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-118

$$P(\text{titik sample}) = \{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1\}$$

$$T(\text{tetangga acuan}) = \{87.2, 94.7, 85.7, 91.1, 92.5, 80.05, 85.5, 89.4, 85.15, 83.5, 89.85, 93.75, 95, 86.65, 98, 80.4, 75.1, 95.25, 88, 86.75, 89.75, 89.65, 97.25, 89.35, 91.5, 90.5, 86.95, 83.6, 85.75, 94, 83, 87.25\}$$

$$\text{rand} = 0.08$$

$$(T - P) = \{3.2, 0.35, 2.6, 1.65, 7.05, 9.45, 1.55, 2.15, 2.85, 10.3, 0.55, 21.25, 0, 0.15, 18.05, 5.3, 14.65, 3.05, 9.9, 10.75, 11, 8.65, 5, 6.15, 5.5, 0, 10.8, 1.45, 0.25, 5.8, 1.25, 1.85\}$$

$$\text{rand. (T - P)} = \{0.26, 0.03, 0.21, 0.13, 0.56, 0.76, 0.12, 0.17, 0.23, 0.82, 0.04, 1.70, 0.00, 0.01, 1.44, 0.42, 1.17, 0.24, 0.79, 0.86, 0.88, 0.69, 0.40, 0.49, 0.44, 0.00, 0.86, 0.12, 0.02, 0.46, 0.10, 0.15\}$$

$$\text{Xnew = P + (rand. (T - P))} = \{90.66, 95.08, 83.31, 92.88, 86.01, 71.36, 87.17, 91.72, 82.53, 94.62, 90.44, 74.20, 95.00, 86.51, 81.39, 86.12, 90.92, 92.44, 98.69, 98.36, 79.63, 81.69, 92.65, 83.69, 86.44, 90.50, 98.61, 85.17, 85.52, 88.66, 84.35, 89.25\}$$

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-119

$$\text{P(titik sample)} = \{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1\}$$

$$\text{T(tetangga acuan)} = \{87.2, 94.7, 85.7, 91.1, 92.5, 80.05, 85.5, 89.4, 85.15, 83.5, 89.85, 93.75, 95, 86.65, 98, 80.4, 75.1, 95.25, 88, 86.75, 89.75, 89.65, 97.25, 89.35, 91.5, 90.5, 86.95, 83.6, 85.75, 94, 83, 87.25\}$$

$$\text{rand} = 0.09$$

$$\text{(T - P)} = \{3.2, 0.35, 2.6, 1.65, 7.05, 9.45, 1.55, 2.15, 2.85, 10.3, 0.55, 21.25, 0, 0.15, 18.05, 5.3, 14.65, 3.05, 9.9, 10.75, 11, 8.65, 5, 6.15, 5.5, 0, 10.8, 1.45, 0.25, 5.8, 1.25, 1.85\}$$

$$\text{rand. (T - P)} = \{0.29, 0.03, 0.23, 0.15, 0.63, 0.85, 0.14, 0.19, 0.26, 0.93, 0.05, 1.91, 0.00, 0.01, 1.62, 0.48, 1.32, 0.27, 0.89, 0.97, 0.99, 0.78, 0.45, 0.55, 0.50, 0.00, 0.97, 0.13, 0.02, 0.52, 0.11, 0.17\}$$

$$\text{Xnew = P + (rand. (T - P))} = \{90.69, 95.08, 83.33, 92.90, 86.08, 71.45, 87.19, 91.74, 82.56, 94.73, 90.45, 74.41, 95.00, 86.51, 81.57, 86.18, 91.07, 92.47, 98.79, 98.47, 79.74, 81.78, 92.70, 83.75, 86.50, 90.50, 98.72, 85.18, 85.52, 88.72, 84.36, 89.27\}$$

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-120

$$\text{P(titik sample)} = \{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1\}$$

$$\text{T(tetangga acuan)} = \{87.2, 94.7, 85.7, 91.1, 92.5, 80.05, 85.5, 89.4, 85.15, 83.5, 89.85, 93.75, 95, 86.65, 98, 80.4, 75.1, 95.25, 88, 86.75, 89.75, 89.65, 97.25, 89.35, 91.5, 90.5, 86.95, 83.6, 85.75, 94, 83, 87.25\}$$

$$\text{rand} = 0.1$$

(T - P)	=	{3.2, 0.35, 2.6, 1.65, 7.05, 9.45, 1.55, 2.15, 2.85, 10.3, 0.55, 21.25, 0, 0.15, 18.05, 5.3, 14.65, 3.05, 9.9, 10.75, 11, 8.65, 5, 6.15, 5.5, 0, 10.8, 1.45, 0.25, 5.8, 1.25, 1.85}
rand . (T - P)	=	{0.32, 0.04, 0.26, 0.17, 0.71, 0.95, 0.16, 0.22, 0.29, 1.03, 0.06, 2.13, 0.00, 0.02, 1.81, 0.53, 1.47, 0.31, 0.99, 1.08, 1.10, 0.87, 0.50, 0.62, 0.55, 0.00, 1.08, 0.15, 0.03, 0.58, 0.13, 0.19}
Xnew = P + (rand . (T - P))	=	{90.72, 95.09, 83.36, 92.92, 86.16, 71.55, 87.21, 91.77, 82.59, 94.83, 90.46, 74.63, 95.00, 86.52, 81.76, 86.23, 91.22, 92.51, 98.89, 98.58, 79.85, 81.87, 92.75, 83.82, 86.55, 90.50, 98.83, 85.20, 85.53, 88.78, 84.38, 89.29}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-121

P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{88.7, 89.4, 88.65, 90.5, 89.85, 81.48, 83.05, 86.75, 97.05, 82.1, 84.3, 87.1, 84.2, 86.5, 72.35, 89.3, 75.45, 91.95, 96.08, 87.8, 77, 89.7, 98.5, 80.85, 69.15, 87.95, 86.7, 86.85, 94.45, 98.5, 84.65, 89.85}
rand	=	0.01
(T - P)	=	{1.7, 5.65, 5.55, 2.25, 4.4, 10.88, 4, 4.8, 14.75, 11.7, 6.1, 14.6, 10.8, 0, 7.6, 3.6, 14.3, 0.25, 1.82, 9.7, 1.75, 8.7, 6.25, 2.35, 16.85, 2.55, 11.05, 1.8, 8.95, 10.3, 0.4, 0.75}
rand . (T - P)	=	{0.02, 0.06, 0.06, 0.02, 0.04, 0.11, 0.04, 0.05, 0.15, 0.12, 0.06, 0.15, 0.11, 0.00, 0.08, 0.04, 0.14, 0.00, 0.02, 0.10, 0.02, 0.09, 0.06, 0.02, 0.17, 0.03, 0.11, 0.02, 0.09, 0.10, 0.00, 0.01}
Xnew = P + (rand . (T - P))	=	{90.42, 95.11, 83.16, 92.77, 85.49, 70.71, 87.09, 91.60, 82.45, 93.92, 90.46, 72.65, 95.11, 86.50, 80.03, 85.74, 89.89, 92.20, 97.92, 97.60, 78.77, 81.09, 92.31, 83.22, 86.17, 90.53, 97.86, 85.07, 85.59, 88.30, 84.25, 89.11}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-122

P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{88.7, 89.4, 88.65, 90.5, 89.85, 81.48, 83.05, 86.75, 97.05, 82.1, 84.3, 87.1, 84.2, 86.5, 72.35, 89.3, 75.45, 91.95, 96.08, 87.8, 77, 89.7, 98.5, 80.85, 69.15, 87.95, 86.7, 86.85, 94.45, 98.5, 84.65, 89.85}

rand	= 0.02
(T - P)	= {1.7, 5.65, 5.55, 2.25, 4.4, 10.88, 4, 4.8, 14.75, 11.7, 6.1, 14.6, 10.8, 0, 7.6, 3.6, 14.3, 0.25, 1.82, 9.7, 1.75, 8.7, 6.25, 2.35, 16.85, 2.55, 11.05, 1.8, 8.95, 10.3, 0.4, 0.75}
rand . (T - P)	= {0.03, 0.11, 0.11, 0.05, 0.09, 0.22, 0.08, 0.10, 0.30, 0.23, 0.12, 0.29, 0.22, 0.00, 0.15, 0.07, 0.29, 0.01, 0.04, 0.19, 0.04, 0.17, 0.13, 0.05, 0.34, 0.05, 0.22, 0.04, 0.18, 0.21, 0.01, 0.02}
Xnew = P + (rand . (T - P))	= {90.43, 95.16, 83.21, 92.80, 85.54, 70.82, 87.13, 91.65, 82.60, 94.03, 90.52, 72.79, 95.22, 86.50, 80.10, 85.77, 90.04, 92.21, 97.94, 97.69, 78.79, 81.17, 92.38, 83.25, 86.34, 90.55, 97.97, 85.09, 85.68, 88.41, 84.26, 89.12}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-123

P(titik sample)	= {90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	= {88.7, 89.4, 88.65, 90.5, 89.85, 81.48, 83.05, 86.75, 97.05, 82.1, 84.3, 87.1, 84.2, 86.5, 72.35, 89.3, 75.45, 91.95, 96.08, 87.8, 77, 89.7, 98.5, 80.85, 69.15, 87.95, 86.7, 86.85, 94.45, 98.5, 84.65, 89.85}
rand	= 0.03
(T - P)	= {1.7, 5.65, 5.55, 2.25, 4.4, 10.88, 4, 4.8, 14.75, 11.7, 6.1, 14.6, 10.8, 0, 7.6, 3.6, 14.3, 0.25, 1.82, 9.7, 1.75, 8.7, 6.25, 2.35, 16.85, 2.55, 11.05, 1.8, 8.95, 10.3, 0.4, 0.75}
rand . (T - P)	= {0.05, 0.17, 0.17, 0.07, 0.13, 0.33, 0.12, 0.14, 0.44, 0.35, 0.18, 0.44, 0.32, 0.00, 0.23, 0.11, 0.43, 0.01, 0.05, 0.29, 0.05, 0.26, 0.19, 0.07, 0.51, 0.08, 0.33, 0.05, 0.27, 0.31, 0.01, 0.02}
Xnew = P + (rand . (T - P))	= {90.45, 95.22, 83.27, 92.82, 85.58, 70.93, 87.17, 91.69, 82.74, 94.15, 90.58, 72.94, 95.32, 86.50, 80.18, 85.81, 90.18, 92.21, 97.95, 97.79, 78.80, 81.26, 92.44, 83.27, 86.51, 90.58, 98.08, 85.10, 85.77, 88.51, 84.26, 89.12}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-124

P(titik sample)	= {90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	= {88.7, 89.4, 88.65, 90.5, 89.85, 81.48, 83.05, 86.75, 97.05, 82.1, 84.3, 87.1, 84.2, 86.5, 72.35, 89.3, 75.45, 91.95, 96.08,

		87.8, 77, 89.7, 98.5, 80.85, 69.15, 87.95, 86.7, 86.85, 94.45, 98.5, 84.65, 89.85}
rand	=	0.04
(T - P)	=	{1.7, 5.65, 5.55, 2.25, 4.4, 10.88, 4, 4.8, 14.75, 11.7, 6.1, 14.6, 10.8, 0, 7.6, 3.6, 14.3, 0.25, 1.82, 9.7, 1.75, 8.7, 6.25, 2.35, 16.85, 2.55, 11.05, 1.8, 8.95, 10.3, 0.4, 0.75}
rand . (T - P)	=	{0.07, 0.23, 0.22, 0.09, 0.18, 0.44, 0.16, 0.19, 0.59, 0.47, 0.24, 0.58, 0.43, 0.00, 0.30, 0.14, 0.57, 0.01, 0.07, 0.39, 0.07, 0.35, 0.25, 0.09, 0.67, 0.10, 0.44, 0.07, 0.36, 0.41, 0.02, 0.03}
Xnew = P + (rand . (T - P))	=	{90.47, 95.28, 83.32, 92.84, 85.63, 71.04, 87.21, 91.74, 82.89, 94.27, 90.64, 73.08, 95.43, 86.50, 80.25, 85.84, 90.32, 92.21, 97.97, 97.89, 78.82, 81.35, 92.50, 83.29, 86.67, 90.60, 98.19, 85.12, 85.86, 88.61, 84.27, 89.13}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-125		
P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{88.7, 89.4, 88.65, 90.5, 89.85, 81.48, 83.05, 86.75, 97.05, 82.1, 84.3, 87.1, 84.2, 86.5, 72.35, 89.3, 75.45, 91.95, 96.08, 87.8, 77, 89.7, 98.5, 80.85, 69.15, 87.95, 86.7, 86.85, 94.45, 98.5, 84.65, 89.85}
rand	=	0.05
(T - P)	=	{1.7, 5.65, 5.55, 2.25, 4.4, 10.88, 4, 4.8, 14.75, 11.7, 6.1, 14.6, 10.8, 0, 7.6, 3.6, 14.3, 0.25, 1.82, 9.7, 1.75, 8.7, 6.25, 2.35, 16.85, 2.55, 11.05, 1.8, 8.95, 10.3, 0.4, 0.75}
rand . (T - P)	=	{0.09, 0.28, 0.28, 0.11, 0.22, 0.54, 0.20, 0.24, 0.74, 0.59, 0.31, 0.73, 0.54, 0.00, 0.38, 0.18, 0.72, 0.01, 0.09, 0.49, 0.09, 0.44, 0.31, 0.12, 0.84, 0.13, 0.55, 0.09, 0.45, 0.52, 0.02, 0.04}
Xnew = P + (rand . (T - P))	=	{90.49, 95.33, 83.38, 92.86, 85.67, 71.14, 87.25, 91.79, 83.04, 94.39, 90.71, 73.23, 95.54, 86.50, 80.33, 85.88, 90.47, 92.21, 97.99, 97.99, 78.84, 81.44, 92.56, 83.32, 86.84, 90.63, 98.30, 85.14, 85.95, 88.72, 84.27, 89.14}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-126		
P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}

T(tetangga acuan)	=	{88.7, 89.4, 88.65, 90.5, 89.85, 81.48, 83.05, 86.75, 97.05, 82.1, 84.3, 87.1, 84.2, 86.5, 72.35, 89.3, 75.45, 91.95, 96.08, 87.8, 77, 89.7, 98.5, 80.85, 69.15, 87.95, 86.7, 86.85, 94.45, 98.5, 84.65, 89.85}
rand	=	0.06
(T - P)	=	{1.7, 5.65, 5.55, 2.25, 4.4, 10.88, 4, 4.8, 14.75, 11.7, 6.1, 14.6, 10.8, 0, 7.6, 3.6, 14.3, 0.25, 1.82, 9.7, 1.75, 8.7, 6.25, 2.35, 16.85, 2.55, 11.05, 1.8, 8.95, 10.3, 0.4, 0.75}
rand . (T - P)	=	{0.10, 0.34, 0.33, 0.14, 0.26, 0.65, 0.24, 0.29, 0.89, 0.70, 0.37, 0.88, 0.65, 0.00, 0.46, 0.22, 0.86, 0.02, 0.11, 0.58, 0.11, 0.52, 0.38, 0.14, 1.01, 0.15, 0.66, 0.11, 0.54, 0.62, 0.02, 0.05}
Xnew = P + (rand . (T - P))	=	{90.50, 95.39, 83.43, 92.89, 85.71, 71.25, 87.29, 91.84, 83.19, 94.50, 90.77, 73.38, 95.65, 86.50, 80.41, 85.92, 90.61, 92.22, 98.01, 98.08, 78.86, 81.52, 92.63, 83.34, 87.01, 90.65, 98.41, 85.16, 86.04, 88.82, 84.27, 89.15}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-127		
P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{88.7, 89.4, 88.65, 90.5, 89.85, 81.48, 83.05, 86.75, 97.05, 82.1, 84.3, 87.1, 84.2, 86.5, 72.35, 89.3, 75.45, 91.95, 96.08, 87.8, 77, 89.7, 98.5, 80.85, 69.15, 87.95, 86.7, 86.85, 94.45, 98.5, 84.65, 89.85}
rand	=	0.07
(T - P)	=	{1.7, 5.65, 5.55, 2.25, 4.4, 10.88, 4, 4.8, 14.75, 11.7, 6.1, 14.6, 10.8, 0, 7.6, 3.6, 14.3, 0.25, 1.82, 9.7, 1.75, 8.7, 6.25, 2.35, 16.85, 2.55, 11.05, 1.8, 8.95, 10.3, 0.4, 0.75}
rand . (T - P)	=	{0.12, 0.40, 0.39, 0.16, 0.31, 0.76, 0.28, 0.34, 1.03, 0.82, 0.43, 1.02, 0.76, 0.00, 0.53, 0.25, 1.00, 0.02, 0.13, 0.68, 0.12, 0.61, 0.44, 0.16, 1.18, 0.18, 0.77, 0.13, 0.63, 0.72, 0.03, 0.05}
Xnew = P + (rand . (T - P))	=	{90.52, 95.45, 83.49, 92.91, 85.76, 71.36, 87.33, 91.89, 83.33, 94.62, 90.83, 73.52, 95.76, 86.50, 80.48, 85.95, 90.75, 92.22, 98.03, 98.18, 78.87, 81.61, 92.69, 83.36, 87.18, 90.68, 98.52, 85.18, 86.13, 88.92, 84.28, 89.15}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-128		

P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{88.7, 89.4, 88.65, 90.5, 89.85, 81.48, 83.05, 86.75, 97.05, 82.1, 84.3, 87.1, 84.2, 86.5, 72.35, 89.3, 75.45, 91.95, 96.08, 87.8, 77, 89.7, 98.5, 80.85, 69.15, 87.95, 86.7, 86.85, 94.45, 98.5, 84.65, 89.85}
rand	=	0.08
(T - P)	=	{1.7, 5.65, 5.55, 2.25, 4.4, 10.88, 4, 4.8, 14.75, 11.7, 6.1, 14.6, 10.8, 0, 7.6, 3.6, 14.3, 0.25, 1.82, 9.7, 1.75, 8.7, 6.25, 2.35, 16.85, 2.55, 11.05, 1.8, 8.95, 10.3, 0.4, 0.75}
rand . (T - P)	=	{0.14, 0.45, 0.44, 0.18, 0.35, 0.87, 0.32, 0.38, 1.18, 0.94, 0.49, 1.17, 0.86, 0.00, 0.61, 0.29, 1.14, 0.02, 0.15, 0.78, 0.14, 0.70, 0.50, 0.19, 1.35, 0.20, 0.88, 0.14, 0.72, 0.82, 0.03, 0.06}
Xnew = P + (rand . (T - P))	=	{90.54, 95.50, 83.54, 92.93, 85.80, 71.47, 87.37, 91.93, 83.48, 94.74, 90.89, 73.67, 95.86, 86.50, 80.56, 85.99, 90.89, 92.22, 98.05, 98.28, 78.89, 81.70, 92.75, 83.39, 87.35, 90.70, 98.63, 85.19, 86.22, 89.02, 84.28, 89.16}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-129		
P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{88.7, 89.4, 88.65, 90.5, 89.85, 81.48, 83.05, 86.75, 97.05, 82.1, 84.3, 87.1, 84.2, 86.5, 72.35, 89.3, 75.45, 91.95, 96.08, 87.8, 77, 89.7, 98.5, 80.85, 69.15, 87.95, 86.7, 86.85, 94.45, 98.5, 84.65, 89.85}
rand	=	0.09
(T - P)	=	{1.7, 5.65, 5.55, 2.25, 4.4, 10.88, 4, 4.8, 14.75, 11.7, 6.1, 14.6, 10.8, 0, 7.6, 3.6, 14.3, 0.25, 1.82, 9.7, 1.75, 8.7, 6.25, 2.35, 16.85, 2.55, 11.05, 1.8, 8.95, 10.3, 0.4, 0.75}
rand . (T - P)	=	{0.15, 0.51, 0.50, 0.20, 0.40, 0.98, 0.36, 0.43, 1.33, 1.05, 0.55, 1.31, 0.97, 0.00, 0.68, 0.32, 1.29, 0.02, 0.16, 0.87, 0.16, 0.78, 0.56, 0.21, 1.52, 0.23, 0.99, 0.16, 0.81, 0.93, 0.04, 0.07}
Xnew = P + (rand . (T - P))	=	{90.55, 95.56, 83.60, 92.95, 85.85, 71.58, 87.41, 91.98, 83.63, 94.85, 90.95, 73.81, 95.97, 86.50, 80.63, 86.02, 91.04, 92.22, 98.06, 98.37, 78.91, 81.78, 92.81, 83.41, 87.52, 90.73, 98.74, 85.21, 86.31, 89.13, 84.29, 89.17}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-130

P(titik sample) = {90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}

T(tetangga acuan) = {88.7, 89.4, 88.65, 90.5, 89.85, 81.48, 83.05, 86.75, 97.05, 82.1, 84.3, 87.1, 84.2, 86.5, 72.35, 89.3, 75.45, 91.95, 96.08, 87.8, 77, 89.7, 98.5, 80.85, 69.15, 87.95, 86.7, 86.85, 94.45, 98.5, 84.65, 89.85}

rand = 0.1

(T - P) = {1.7, 5.65, 5.55, 2.25, 4.4, 10.88, 4, 4.8, 14.75, 11.7, 6.1, 14.6, 10.8, 0, 7.6, 3.6, 14.3, 0.25, 1.82, 9.7, 1.75, 8.7, 6.25, 2.35, 16.85, 2.55, 11.05, 1.8, 8.95, 10.3, 0.4, 0.75}

rand . (T - P) = {0.17, 0.57, 0.56, 0.23, 0.44, 1.09, 0.40, 0.48, 1.48, 1.17, 0.61, 1.46, 1.08, 0.00, 0.76, 0.36, 1.43, 0.03, 0.18, 0.97, 0.18, 0.87, 0.63, 0.24, 1.69, 0.26, 1.11, 0.18, 0.90, 1.03, 0.04, 0.08}

Xnew = P + (rand . (T - P)) = {90.57, 95.62, 83.66, 92.98, 85.89, 71.69, 87.45, 92.03, 83.78, 94.97, 91.01, 73.96, 96.08, 86.50, 80.71, 86.06, 91.18, 92.23, 98.08, 98.47, 78.93, 81.87, 92.88, 83.44, 87.69, 90.76, 98.86, 85.23, 86.40, 89.23, 84.29, 89.18}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-131

P(titik sample) = {90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}

T(tetangga acuan) = {80, 91.5, 84.85, 92.75, 92.5, 88.95, 84.7, 89.6, 85.55, 74.2, 86.85, 90.25, 91.5, 91.5, 85.1, 89.65, 79.1, 86.25, 95.8, 91.5, 74.25, 93.25, 87.65, 81.75, 82.95, 93.25, 100, 94.75, 96.55, 100, 86, 91.2}

rand = 0.01

(T - P) = {10.4, 3.55, 1.75, 0, 7.05, 18.35, 2.35, 1.95, 3.25, 19.6, 3.55, 17.75, 3.5, 5, 5.15, 3.95, 10.65, 5.95, 2.1, 6, 4.5, 12.25, 4.6, 1.45, 3.05, 2.75, 2.25, 9.7, 11.05, 11.8, 1.75, 2.1}

rand . (T - P) = {0.10, 0.04, 0.02, 0.00, 0.07, 0.18, 0.02, 0.02, 0.03, 0.20, 0.04, 0.18, 0.04, 0.05, 0.05, 0.04, 0.11, 0.06, 0.02, 0.06, 0.05, 0.12, 0.05, 0.01, 0.03, 0.03, 0.02, 0.10, 0.11, 0.12, 0.02, 0.02}

Xnew = P + (rand . (T - P)) = {90.50, 95.09, 83.12, 92.75, 85.52, 70.78, 87.07, 91.57, 82.33, 94.00, 90.44, 72.68, 95.04, 86.55, 80.00, 85.74, 89.86, 92.26,

97.92, 97.56, 78.80, 81.12, 92.30, 83.21, 86.03, 90.53, 97.77,
85.15, 85.61, 88.32, 84.27, 89.12}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-132

P(titik sample) = {90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8,
90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75,
81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}

T(tetangga acuan) = {80, 91.5, 84.85, 92.75, 92.5, 88.95, 84.7, 89.6, 85.55, 74.2,
86.85, 90.25, 91.5, 91.5, 85.1, 89.65, 79.1, 86.25, 95.8, 91.5,
74.25, 93.25, 87.65, 81.75, 82.95, 93.25, 100, 94.75, 96.55,
100, 86, 91.2}

rand = 0.02

(T - P) = {10.4, 3.55, 1.75, 0, 7.05, 18.35, 2.35, 1.95, 3.25, 19.6, 3.55,
17.75, 3.5, 5, 5.15, 3.95, 10.65, 5.95, 2.1, 6, 4.5, 12.25, 4.6,
1.45, 3.05, 2.75, 2.25, 9.7, 11.05, 11.8, 1.75, 2.1}

rand . (T - P) = {0.21, 0.07, 0.04, 0.00, 0.14, 0.37, 0.05, 0.04, 0.07, 0.39, 0.07,
0.36, 0.07, 0.10, 0.10, 0.08, 0.21, 0.12, 0.04, 0.12, 0.09, 0.25,
0.09, 0.03, 0.06, 0.06, 0.05, 0.19, 0.22, 0.24, 0.04, 0.04}

Xnew = P + (rand . (T - P)) = {90.61, 95.12, 83.14, 92.75, 85.59, 70.97, 87.10, 91.59, 82.37,
94.19, 90.47, 72.86, 95.07, 86.60, 80.05, 85.78, 89.96, 92.32,
97.94, 97.62, 78.84, 81.25, 92.34, 83.23, 86.06, 90.56, 97.80,
85.24, 85.72, 88.44, 84.29, 89.14}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-133

P(titik sample) = {90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8,
90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75,
81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}

T(tetangga acuan) = {80, 91.5, 84.85, 92.75, 92.5, 88.95, 84.7, 89.6, 85.55, 74.2,
86.85, 90.25, 91.5, 91.5, 85.1, 89.65, 79.1, 86.25, 95.8, 91.5,
74.25, 93.25, 87.65, 81.75, 82.95, 93.25, 100, 94.75, 96.55,
100, 86, 91.2}

rand = 0.03

(T - P) = {10.4, 3.55, 1.75, 0, 7.05, 18.35, 2.35, 1.95, 3.25, 19.6, 3.55,
17.75, 3.5, 5, 5.15, 3.95, 10.65, 5.95, 2.1, 6, 4.5, 12.25, 4.6,
1.45, 3.05, 2.75, 2.25, 9.7, 11.05, 11.8, 1.75, 2.1}

rand . (T - P) = {0.31, 0.11, 0.05, 0.00, 0.21, 0.55, 0.07, 0.06, 0.10, 0.59, 0.11,
0.53, 0.11, 0.15, 0.15, 0.12, 0.32, 0.18, 0.06, 0.18, 0.14, 0.37,
0.14, 0.04, 0.09, 0.08, 0.07, 0.29, 0.33, 0.35, 0.05, 0.06}

$$\begin{aligned} X_{\text{new}} = P + (\text{rand} \cdot (T - P)) &= \{90.71, 95.16, 83.15, 92.75, 85.66, 71.15, 87.12, 91.61, 82.40, \\ &94.39, 90.51, 73.03, 95.11, 86.65, 80.10, 85.82, 90.07, 92.38, \\ &97.96, 97.68, 78.89, 81.37, 92.39, 83.24, 86.09, 90.58, 97.82, \\ &85.34, 85.83, 88.55, 84.30, 89.16\} \end{aligned}$$

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-134

$$P(\text{titik sample}) = \{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1\}$$

$$T(\text{tetangga acuan}) = \{80, 91.5, 84.85, 92.75, 92.5, 88.95, 84.7, 89.6, 85.55, 74.2, 86.85, 90.25, 91.5, 91.5, 85.1, 89.65, 79.1, 86.25, 95.8, 91.5, 74.25, 93.25, 87.65, 81.75, 82.95, 93.25, 100, 94.75, 96.55, 100, 86, 91.2\}$$

$$\text{rand} = 0.04$$

$$(T - P) = \{10.4, 3.55, 1.75, 0, 7.05, 18.35, 2.35, 1.95, 3.25, 19.6, 3.55, 17.75, 3.5, 5, 5.15, 3.95, 10.65, 5.95, 2.1, 6, 4.5, 12.25, 4.6, 1.45, 3.05, 2.75, 2.25, 9.7, 11.05, 11.8, 1.75, 2.1\}$$

$$\text{rand} \cdot (T - P) = \{0.42, 0.14, 0.07, 0.00, 0.28, 0.73, 0.09, 0.08, 0.13, 0.78, 0.14, 0.71, 0.14, 0.20, 0.21, 0.16, 0.43, 0.24, 0.08, 0.24, 0.18, 0.49, 0.18, 0.06, 0.12, 0.11, 0.09, 0.39, 0.44, 0.47, 0.07, 0.08\}$$

$$\begin{aligned} X_{\text{new}} = P + (\text{rand} \cdot (T - P)) &= \{90.82, 95.19, 83.17, 92.75, 85.73, 71.33, 87.14, 91.63, 82.43, \\ &94.58, 90.54, 73.21, 95.14, 86.70, 80.16, 85.86, 90.18, 92.44, \\ &97.98, 97.74, 78.93, 81.49, 92.43, 83.26, 86.12, 90.61, 97.84, \\ &85.44, 85.94, 88.67, 84.32, 89.18\} \end{aligned}$$

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-135

$$P(\text{titik sample}) = \{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1\}$$

$$T(\text{tetangga acuan}) = \{80, 91.5, 84.85, 92.75, 92.5, 88.95, 84.7, 89.6, 85.55, 74.2, 86.85, 90.25, 91.5, 91.5, 85.1, 89.65, 79.1, 86.25, 95.8, 91.5, 74.25, 93.25, 87.65, 81.75, 82.95, 93.25, 100, 94.75, 96.55, 100, 86, 91.2\}$$

$$\text{rand} = 0.05$$

$$(T - P) = \{10.4, 3.55, 1.75, 0, 7.05, 18.35, 2.35, 1.95, 3.25, 19.6, 3.55, 17.75, 3.5, 5, 5.15, 3.95, 10.65, 5.95, 2.1, 6, 4.5, 12.25, 4.6, 1.45, 3.05, 2.75, 2.25, 9.7, 11.05, 11.8, 1.75, 2.1\}$$

$$\text{rand. (T - P)} = \{0.52, 0.18, 0.09, 0.00, 0.35, 0.92, 0.12, 0.10, 0.16, 0.98, 0.18, 0.89, 0.18, 0.25, 0.26, 0.20, 0.53, 0.30, 0.11, 0.30, 0.23, 0.61, 0.23, 0.07, 0.15, 0.14, 0.11, 0.49, 0.55, 0.59, 0.09, 0.11\}$$

$$\text{Xnew = P + (rand. (T - P))} = \{90.92, 95.23, 83.19, 92.75, 85.80, 71.52, 87.17, 91.65, 82.46, 94.78, 90.58, 73.39, 95.18, 86.75, 80.21, 85.90, 90.28, 92.50, 98.01, 97.80, 78.98, 81.61, 92.48, 83.27, 86.15, 90.64, 97.86, 85.54, 86.05, 88.79, 84.34, 89.21\}$$

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-136

$$\text{P(titik sample)} = \{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1\}$$

$$\text{T(tetangga acuan)} = \{80, 91.5, 84.85, 92.75, 92.5, 88.95, 84.7, 89.6, 85.55, 74.2, 86.85, 90.25, 91.5, 91.5, 85.1, 89.65, 79.1, 86.25, 95.8, 91.5, 74.25, 93.25, 87.65, 81.75, 82.95, 93.25, 100, 94.75, 96.55, 100, 86, 91.2\}$$

$$\text{rand} = 0.06$$

$$\text{(T - P)} = \{10.4, 3.55, 1.75, 0, 7.05, 18.35, 2.35, 1.95, 3.25, 19.6, 3.55, 17.75, 3.5, 5, 5.15, 3.95, 10.65, 5.95, 2.1, 6, 4.5, 12.25, 4.6, 1.45, 3.05, 2.75, 2.25, 9.7, 11.05, 11.8, 1.75, 2.1\}$$

$$\text{rand. (T - P)} = \{0.62, 0.21, 0.11, 0.00, 0.42, 1.10, 0.14, 0.12, 0.20, 1.18, 0.21, 1.07, 0.21, 0.30, 0.31, 0.24, 0.64, 0.36, 0.13, 0.36, 0.27, 0.74, 0.28, 0.09, 0.18, 0.17, 0.14, 0.58, 0.66, 0.71, 0.11, 0.13\}$$

$$\text{Xnew = P + (rand. (T - P))} = \{91.02, 95.26, 83.21, 92.75, 85.87, 71.70, 87.19, 91.67, 82.50, 94.98, 90.61, 73.57, 95.21, 86.80, 80.26, 85.94, 90.39, 92.56, 98.03, 97.86, 79.02, 81.74, 92.53, 83.29, 86.18, 90.67, 97.89, 85.63, 86.16, 88.91, 84.36, 89.23\}$$

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-137

$$\text{P(titik sample)} = \{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1\}$$

$$\text{T(tetangga acuan)} = \{80, 91.5, 84.85, 92.75, 92.5, 88.95, 84.7, 89.6, 85.55, 74.2, 86.85, 90.25, 91.5, 91.5, 85.1, 89.65, 79.1, 86.25, 95.8, 91.5, 74.25, 93.25, 87.65, 81.75, 82.95, 93.25, 100, 94.75, 96.55, 100, 86, 91.2\}$$

$$\text{rand} = 0.07$$

(T - P)	=	{10.4, 3.55, 1.75, 0, 7.05, 18.35, 2.35, 1.95, 3.25, 19.6, 3.55, 17.75, 3.5, 5, 5.15, 3.95, 10.65, 5.95, 2.1, 6, 4.5, 12.25, 4.6, 1.45, 3.05, 2.75, 2.25, 9.7, 11.05, 11.8, 1.75, 2.1}
rand . (T - P)	=	{0.73, 0.25, 0.12, 0.00, 0.49, 1.28, 0.16, 0.14, 0.23, 1.37, 0.25, 1.24, 0.25, 0.35, 0.36, 0.28, 0.75, 0.42, 0.15, 0.42, 0.32, 0.86, 0.32, 0.10, 0.21, 0.19, 0.16, 0.68, 0.77, 0.83, 0.12, 0.15}
Xnew = P + (rand . (T - P))	=	{91.13, 95.30, 83.22, 92.75, 85.94, 71.88, 87.21, 91.69, 82.53, 95.17, 90.65, 73.74, 95.25, 86.85, 80.31, 85.98, 90.50, 92.62, 98.05, 97.92, 79.07, 81.86, 92.57, 83.30, 86.21, 90.69, 97.91, 85.73, 86.27, 89.03, 84.37, 89.25}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-138

P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{80, 91.5, 84.85, 92.75, 92.5, 88.95, 84.7, 89.6, 85.55, 74.2, 86.85, 90.25, 91.5, 91.5, 85.1, 89.65, 79.1, 86.25, 95.8, 91.5, 74.25, 93.25, 87.65, 81.75, 82.95, 93.25, 100, 94.75, 96.55, 100, 86, 91.2}
rand	=	0.08
(T - P)	=	{10.4, 3.55, 1.75, 0, 7.05, 18.35, 2.35, 1.95, 3.25, 19.6, 3.55, 17.75, 3.5, 5, 5.15, 3.95, 10.65, 5.95, 2.1, 6, 4.5, 12.25, 4.6, 1.45, 3.05, 2.75, 2.25, 9.7, 11.05, 11.8, 1.75, 2.1}
rand . (T - P)	=	{0.83, 0.28, 0.14, 0.00, 0.56, 1.47, 0.19, 0.16, 0.26, 1.57, 0.28, 1.42, 0.28, 0.40, 0.41, 0.32, 0.85, 0.48, 0.17, 0.48, 0.36, 0.98, 0.37, 0.12, 0.24, 0.22, 0.18, 0.78, 0.88, 0.94, 0.14, 0.17}
Xnew = P + (rand . (T - P))	=	{91.23, 95.33, 83.24, 92.75, 86.01, 72.07, 87.24, 91.71, 82.56, 95.37, 90.68, 73.92, 95.28, 86.90, 80.36, 86.02, 90.60, 92.68, 98.07, 97.98, 79.11, 81.98, 92.62, 83.32, 86.24, 90.72, 97.93, 85.83, 86.38, 89.14, 84.39, 89.27}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-139

P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{80, 91.5, 84.85, 92.75, 92.5, 88.95, 84.7, 89.6, 85.55, 74.2, 86.85, 90.25, 91.5, 91.5, 85.1, 89.65, 79.1, 86.25, 95.8, 91.5, 74.25, 93.25, 87.65, 81.75, 82.95, 93.25, 100, 94.75, 96.55, 100, 86, 91.2}

rand	=	0.09
(T - P)	=	{10.4, 3.55, 1.75, 0, 7.05, 18.35, 2.35, 1.95, 3.25, 19.6, 3.55, 17.75, 3.5, 5, 5.15, 3.95, 10.65, 5.95, 2.1, 6, 4.5, 12.25, 4.6, 1.45, 3.05, 2.75, 2.25, 9.7, 11.05, 11.8, 1.75, 2.1}
rand . (T - P)	=	{0.94, 0.32, 0.16, 0.00, 0.63, 1.65, 0.21, 0.18, 0.29, 1.76, 0.32, 1.60, 0.32, 0.45, 0.46, 0.36, 0.96, 0.54, 0.19, 0.54, 0.41, 1.10, 0.41, 0.13, 0.27, 0.25, 0.20, 0.87, 0.99, 1.06, 0.16, 0.19}
Xnew = P + (rand . (T - P))	=	{91.34, 95.37, 83.26, 92.75, 86.08, 72.25, 87.26, 91.73, 82.59, 95.56, 90.72, 74.10, 95.32, 86.95, 80.41, 86.06, 90.71, 92.74, 98.09, 98.04, 79.16, 82.10, 92.66, 83.33, 86.27, 90.75, 97.95, 85.92, 86.49, 89.26, 84.41, 89.29}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-140

P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{80, 91.5, 84.85, 92.75, 92.5, 88.95, 84.7, 89.6, 85.55, 74.2, 86.85, 90.25, 91.5, 91.5, 85.1, 89.65, 79.1, 86.25, 95.8, 91.5, 74.25, 93.25, 87.65, 81.75, 82.95, 93.25, 100, 94.75, 96.55, 100, 86, 91.2}
rand	=	0.1
(T - P)	=	{10.4, 3.55, 1.75, 0, 7.05, 18.35, 2.35, 1.95, 3.25, 19.6, 3.55, 17.75, 3.5, 5, 5.15, 3.95, 10.65, 5.95, 2.1, 6, 4.5, 12.25, 4.6, 1.45, 3.05, 2.75, 2.25, 9.7, 11.05, 11.8, 1.75, 2.1}
rand . (T - P)	=	{1.04, 0.36, 0.18, 0.00, 0.71, 1.84, 0.24, 0.20, 0.33, 1.96, 0.36, 1.78, 0.35, 0.50, 0.52, 0.40, 1.07, 0.60, 0.21, 0.60, 0.45, 1.23, 0.46, 0.15, 0.31, 0.28, 0.23, 0.97, 1.11, 1.18, 0.18, 0.21}
Xnew = P + (rand . (T - P))	=	{91.44, 95.41, 83.28, 92.75, 86.16, 72.44, 87.29, 91.75, 82.63, 95.76, 90.76, 74.28, 95.35, 87.00, 80.47, 86.10, 90.82, 92.80, 98.11, 98.10, 79.20, 82.23, 92.71, 83.35, 86.31, 90.78, 97.98, 86.02, 86.61, 89.38, 84.43, 89.31}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-141

P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{87.75, 87.5, 91.2, 70.19, 82.5, 77.7, 83.2, 84.25, 83.3, 92.45, 88.9, 87.5, 80, 89.4, 84.25, 82.3, 83, 80.65, 87.02, 85.2, 78.45,

		85.95, 89.2, 87.4, 83.95, 85.5, 89.75, 81.75, 72.9, 88.1, 75.2, 86.2}
rand	=	0.01
(T - P)	=	{2.65, 7.55, 8.1, 22.56, 2.95, 7.1, 3.85, 7.3, 1, 1.35, 1.5, 15, 15, 2.9, 4.3, 3.4, 6.75, 11.55, 10.88, 12.3, 0.3, 4.95, 3.05, 4.2, 2.05, 5, 8, 3.3, 12.6, 0.1, 9.05, 2.9}
rand . (T - P)	=	{0.03, 0.08, 0.08, 0.23, 0.03, 0.07, 0.04, 0.07, 0.01, 0.01, 0.02, 0.15, 0.15, 0.03, 0.04, 0.03, 0.07, 0.12, 0.11, 0.12, 0.00, 0.05, 0.03, 0.04, 0.02, 0.05, 0.08, 0.03, 0.13, 0.00, 0.09, 0.03}
Xnew = P + (rand . (T - P))	=	{90.43, 95.13, 83.18, 92.98, 85.48, 70.67, 87.09, 91.62, 82.31, 93.81, 90.42, 72.65, 95.15, 86.53, 79.99, 85.73, 89.82, 92.32, 98.01, 97.62, 78.75, 81.05, 92.28, 83.24, 86.02, 90.55, 97.83, 85.08, 85.63, 88.20, 84.34, 89.13}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-142		
P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{87.75, 87.5, 91.2, 70.19, 82.5, 77.7, 83.2, 84.25, 83.3, 92.45, 88.9, 87.5, 80, 89.4, 84.25, 82.3, 83, 80.65, 87.02, 85.2, 78.45, 85.95, 89.2, 87.4, 83.95, 85.5, 89.75, 81.75, 72.9, 88.1, 75.2, 86.2}
rand	=	0.02
(T - P)	=	{2.65, 7.55, 8.1, 22.56, 2.95, 7.1, 3.85, 7.3, 1, 1.35, 1.5, 15, 15, 2.9, 4.3, 3.4, 6.75, 11.55, 10.88, 12.3, 0.3, 4.95, 3.05, 4.2, 2.05, 5, 8, 3.3, 12.6, 0.1, 9.05, 2.9}
rand . (T - P)	=	{0.05, 0.15, 0.16, 0.45, 0.06, 0.14, 0.08, 0.15, 0.02, 0.03, 0.03, 0.30, 0.30, 0.06, 0.09, 0.07, 0.14, 0.23, 0.22, 0.25, 0.01, 0.10, 0.06, 0.08, 0.04, 0.10, 0.16, 0.07, 0.25, 0.00, 0.18, 0.06}
Xnew = P + (rand . (T - P))	=	{90.45, 95.20, 83.26, 93.20, 85.51, 70.74, 87.13, 91.70, 82.32, 93.83, 90.43, 72.80, 95.30, 86.56, 80.04, 85.77, 89.89, 92.43, 98.12, 97.75, 78.76, 81.10, 92.31, 83.28, 86.04, 90.60, 97.91, 85.12, 85.75, 88.20, 84.43, 89.16}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-143		
P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}

T(tetangga acuan)	=	{87.75, 87.5, 91.2, 70.19, 82.5, 77.7, 83.2, 84.25, 83.3, 92.45, 88.9, 87.5, 80, 89.4, 84.25, 82.3, 83, 80.65, 87.02, 85.2, 78.45, 85.95, 89.2, 87.4, 83.95, 85.5, 89.75, 81.75, 72.9, 88.1, 75.2, 86.2}
rand	=	0.03
(T - P)	=	{2.65, 7.55, 8.1, 22.56, 2.95, 7.1, 3.85, 7.3, 1, 1.35, 1.5, 15, 15, 2.9, 4.3, 3.4, 6.75, 11.55, 10.88, 12.3, 0.3, 4.95, 3.05, 4.2, 2.05, 5, 8, 3.3, 12.6, 0.1, 9.05, 2.9}
rand . (T - P)	=	{0.08, 0.23, 0.24, 0.68, 0.09, 0.21, 0.12, 0.22, 0.03, 0.04, 0.05, 0.45, 0.45, 0.09, 0.13, 0.10, 0.20, 0.35, 0.33, 0.37, 0.01, 0.15, 0.09, 0.13, 0.06, 0.15, 0.24, 0.10, 0.38, 0.00, 0.27, 0.09}
Xnew = P + (rand . (T - P))	=	{90.48, 95.28, 83.34, 93.43, 85.54, 70.81, 87.17, 91.77, 82.33, 93.84, 90.45, 72.95, 95.45, 86.59, 80.08, 85.80, 89.95, 92.55, 98.23, 97.87, 78.76, 81.15, 92.34, 83.33, 86.06, 90.65, 97.99, 85.15, 85.88, 88.20, 84.52, 89.19}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-144		
P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{87.75, 87.5, 91.2, 70.19, 82.5, 77.7, 83.2, 84.25, 83.3, 92.45, 88.9, 87.5, 80, 89.4, 84.25, 82.3, 83, 80.65, 87.02, 85.2, 78.45, 85.95, 89.2, 87.4, 83.95, 85.5, 89.75, 81.75, 72.9, 88.1, 75.2, 86.2}
rand	=	0.04
(T - P)	=	{2.65, 7.55, 8.1, 22.56, 2.95, 7.1, 3.85, 7.3, 1, 1.35, 1.5, 15, 15, 2.9, 4.3, 3.4, 6.75, 11.55, 10.88, 12.3, 0.3, 4.95, 3.05, 4.2, 2.05, 5, 8, 3.3, 12.6, 0.1, 9.05, 2.9}
rand . (T - P)	=	{0.11, 0.30, 0.32, 0.90, 0.12, 0.28, 0.15, 0.29, 0.04, 0.05, 0.06, 0.60, 0.60, 0.12, 0.17, 0.14, 0.27, 0.46, 0.44, 0.49, 0.01, 0.20, 0.12, 0.17, 0.08, 0.20, 0.32, 0.13, 0.50, 0.00, 0.36, 0.12}
Xnew = P + (rand . (T - P))	=	{90.51, 95.35, 83.42, 93.65, 85.57, 70.88, 87.20, 91.84, 82.34, 93.85, 90.46, 73.10, 95.60, 86.62, 80.12, 85.84, 90.02, 92.66, 98.34, 97.99, 78.76, 81.20, 92.37, 83.37, 86.08, 90.70, 98.07, 85.18, 86.00, 88.20, 84.61, 89.22}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-145		

P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{87.75, 87.5, 91.2, 70.19, 82.5, 77.7, 83.2, 84.25, 83.3, 92.45, 88.9, 87.5, 80, 89.4, 84.25, 82.3, 83, 80.65, 87.02, 85.2, 78.45, 85.95, 89.2, 87.4, 83.95, 85.5, 89.75, 81.75, 72.9, 88.1, 75.2, 86.2}
rand	=	0.05
(T - P)	=	{2.65, 7.55, 8.1, 22.56, 2.95, 7.1, 3.85, 7.3, 1, 1.35, 1.5, 15, 15, 2.9, 4.3, 3.4, 6.75, 11.55, 10.88, 12.3, 0.3, 4.95, 3.05, 4.2, 2.05, 5, 8, 3.3, 12.6, 0.1, 9.05, 2.9}
rand . (T - P)	=	{0.13, 0.38, 0.41, 1.13, 0.15, 0.36, 0.19, 0.37, 0.05, 0.07, 0.08, 0.75, 0.75, 0.15, 0.22, 0.17, 0.34, 0.58, 0.54, 0.62, 0.02, 0.25, 0.15, 0.21, 0.10, 0.25, 0.40, 0.17, 0.63, 0.01, 0.45, 0.15}
Xnew = P + (rand . (T - P))	=	{90.53, 95.43, 83.51, 93.88, 85.60, 70.96, 87.24, 91.92, 82.35, 93.87, 90.48, 73.25, 95.75, 86.65, 80.17, 85.87, 90.09, 92.78, 98.44, 98.12, 78.77, 81.25, 92.40, 83.41, 86.10, 90.75, 98.15, 85.22, 86.13, 88.21, 84.70, 89.25}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-146		
P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{87.75, 87.5, 91.2, 70.19, 82.5, 77.7, 83.2, 84.25, 83.3, 92.45, 88.9, 87.5, 80, 89.4, 84.25, 82.3, 83, 80.65, 87.02, 85.2, 78.45, 85.95, 89.2, 87.4, 83.95, 85.5, 89.75, 81.75, 72.9, 88.1, 75.2, 86.2}
rand	=	0.06
(T - P)	=	{2.65, 7.55, 8.1, 22.56, 2.95, 7.1, 3.85, 7.3, 1, 1.35, 1.5, 15, 15, 2.9, 4.3, 3.4, 6.75, 11.55, 10.88, 12.3, 0.3, 4.95, 3.05, 4.2, 2.05, 5, 8, 3.3, 12.6, 0.1, 9.05, 2.9}
rand . (T - P)	=	{0.16, 0.45, 0.49, 1.35, 0.18, 0.43, 0.23, 0.44, 0.06, 0.08, 0.09, 0.90, 0.90, 0.17, 0.26, 0.20, 0.41, 0.69, 0.65, 0.74, 0.02, 0.30, 0.18, 0.25, 0.12, 0.30, 0.48, 0.20, 0.76, 0.01, 0.54, 0.17}
Xnew = P + (rand . (T - P))	=	{90.56, 95.50, 83.59, 94.10, 85.63, 71.03, 87.28, 91.99, 82.36, 93.88, 90.49, 73.40, 95.90, 86.67, 80.21, 85.90, 90.16, 92.89, 98.55, 98.24, 78.77, 81.30, 92.43, 83.45, 86.12, 90.80, 98.23, 85.25, 86.26, 88.21, 84.79, 89.27}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-147

P(titik sample) = {90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}

T(tetangga acuan) = {87.75, 87.5, 91.2, 70.19, 82.5, 77.7, 83.2, 84.25, 83.3, 92.45, 88.9, 87.5, 80, 89.4, 84.25, 82.3, 83, 80.65, 87.02, 85.2, 78.45, 85.95, 89.2, 87.4, 83.95, 85.5, 89.75, 81.75, 72.9, 88.1, 75.2, 86.2}

rand = 0.07

(T - P) = {2.65, 7.55, 8.1, 22.56, 2.95, 7.1, 3.85, 7.3, 1, 1.35, 1.5, 15, 15, 2.9, 4.3, 3.4, 6.75, 11.55, 10.88, 12.3, 0.3, 4.95, 3.05, 4.2, 2.05, 5, 8, 3.3, 12.6, 0.1, 9.05, 2.9}

rand . (T - P) = {0.19, 0.53, 0.57, 1.58, 0.21, 0.50, 0.27, 0.51, 0.07, 0.09, 0.11, 1.05, 1.05, 0.20, 0.30, 0.24, 0.47, 0.81, 0.76, 0.86, 0.02, 0.35, 0.21, 0.29, 0.14, 0.35, 0.56, 0.23, 0.88, 0.01, 0.63, 0.20}

Xnew = P + (rand . (T - P)) = {90.59, 95.58, 83.67, 94.33, 85.66, 71.10, 87.32, 92.06, 82.37, 93.89, 90.51, 73.55, 96.05, 86.70, 80.25, 85.94, 90.22, 93.01, 98.66, 98.36, 78.77, 81.35, 92.46, 83.49, 86.14, 90.85, 98.31, 85.28, 86.38, 88.21, 84.88, 89.30}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-148

P(titik sample) = {90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}

T(tetangga acuan) = {87.75, 87.5, 91.2, 70.19, 82.5, 77.7, 83.2, 84.25, 83.3, 92.45, 88.9, 87.5, 80, 89.4, 84.25, 82.3, 83, 80.65, 87.02, 85.2, 78.45, 85.95, 89.2, 87.4, 83.95, 85.5, 89.75, 81.75, 72.9, 88.1, 75.2, 86.2}

rand = 0.08

(T - P) = {2.65, 7.55, 8.1, 22.56, 2.95, 7.1, 3.85, 7.3, 1, 1.35, 1.5, 15, 15, 2.9, 4.3, 3.4, 6.75, 11.55, 10.88, 12.3, 0.3, 4.95, 3.05, 4.2, 2.05, 5, 8, 3.3, 12.6, 0.1, 9.05, 2.9}

rand . (T - P) = {0.21, 0.60, 0.65, 1.80, 0.24, 0.57, 0.31, 0.58, 0.08, 0.11, 0.12, 1.20, 1.20, 0.23, 0.34, 0.27, 0.54, 0.92, 0.87, 0.98, 0.02, 0.40, 0.24, 0.34, 0.16, 0.40, 0.64, 0.26, 1.01, 0.01, 0.72, 0.23}

Xnew = P + (rand . (T - P)) = {90.61, 95.65, 83.75, 94.55, 85.69, 71.17, 87.36, 92.13, 82.38, 93.91, 90.52, 73.70, 96.20, 86.73, 80.29, 85.97, 90.29, 93.12,

98.77, 98.48, 78.77, 81.40, 92.49, 83.54, 86.16, 90.90, 98.39, 85.31, 86.51, 88.21, 84.97, 89.33}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-149

P(titik sample) = {90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}

T(tetangga acuan) = {87.75, 87.5, 91.2, 70.19, 82.5, 77.7, 83.2, 84.25, 83.3, 92.45, 88.9, 87.5, 80, 89.4, 84.25, 82.3, 83, 80.65, 87.02, 85.2, 78.45, 85.95, 89.2, 87.4, 83.95, 85.5, 89.75, 81.75, 72.9, 88.1, 75.2, 86.2}

rand = 0.09

(T - P) = {2.65, 7.55, 8.1, 22.56, 2.95, 7.1, 3.85, 7.3, 1, 1.35, 1.5, 15, 15, 2.9, 4.3, 3.4, 6.75, 11.55, 10.88, 12.3, 0.3, 4.95, 3.05, 4.2, 2.05, 5, 8, 3.3, 12.6, 0.1, 9.05, 2.9}

rand . (T - P) = {0.24, 0.68, 0.73, 2.03, 0.27, 0.64, 0.35, 0.66, 0.09, 0.12, 0.14, 1.35, 1.35, 0.26, 0.39, 0.31, 0.61, 1.04, 0.98, 1.11, 0.03, 0.45, 0.27, 0.38, 0.18, 0.45, 0.72, 0.30, 1.13, 0.01, 0.81, 0.26}

Xnew = P + (rand . (T - P)) = {90.64, 95.73, 83.83, 94.78, 85.72, 71.24, 87.40, 92.21, 82.39, 93.92, 90.54, 73.85, 96.35, 86.76, 80.34, 86.01, 90.36, 93.24, 98.88, 98.61, 78.78, 81.45, 92.52, 83.58, 86.18, 90.95, 98.47, 85.35, 86.63, 88.21, 85.06, 89.36}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-150

P(titik sample) = {90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}

T(tetangga acuan) = {87.75, 87.5, 91.2, 70.19, 82.5, 77.7, 83.2, 84.25, 83.3, 92.45, 88.9, 87.5, 80, 89.4, 84.25, 82.3, 83, 80.65, 87.02, 85.2, 78.45, 85.95, 89.2, 87.4, 83.95, 85.5, 89.75, 81.75, 72.9, 88.1, 75.2, 86.2}

rand = 0.1

(T - P) = {2.65, 7.55, 8.1, 22.56, 2.95, 7.1, 3.85, 7.3, 1, 1.35, 1.5, 15, 15, 2.9, 4.3, 3.4, 6.75, 11.55, 10.88, 12.3, 0.3, 4.95, 3.05, 4.2, 2.05, 5, 8, 3.3, 12.6, 0.1, 9.05, 2.9}

rand . (T - P) = {0.27, 0.76, 0.81, 2.26, 0.30, 0.71, 0.39, 0.73, 0.10, 0.14, 0.15, 1.50, 1.50, 0.29, 0.43, 0.34, 0.68, 1.16, 1.09, 1.23, 0.03, 0.50, 0.31, 0.42, 0.21, 0.50, 0.80, 0.33, 1.26, 0.01, 0.91, 0.29}

$$\begin{aligned} X_{\text{new}} = P + (\text{rand} \cdot (T - P)) &= \{90.67, 95.81, 83.91, 95.01, 85.75, 71.31, 87.44, 92.28, 82.40, \\ &93.94, 90.55, 74.00, 96.50, 86.79, 80.38, 86.04, 90.43, 93.36, \\ &98.99, 98.73, 78.78, 81.50, 92.56, 83.62, 86.21, 91.00, 98.55, \\ &85.38, 86.76, 88.21, 85.16, 89.39\} \end{aligned}$$

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-151

$$P(\text{titik sample}) = \{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1\}$$

$$T(\text{tetangga acuan}) = \{77.7, 74, 81, 92.75, 79.45, 76.55, 85.5, 79.25, 73.35, 80.95, 83.1, 70, 82.7, 83.35, 71.2, 74.2, 89.75, 80, 79.85, 93.75, 74.5, 75.4, 92.25, 83.95, 79.5, 90.5, 92.25, 84.7, 83, 94.25, 84.25, 87.85\}$$

$$\text{rand} = 0.01$$

$$(T - P) = \{12.7, 21.05, 2.1, 0, 6, 5.95, 1.55, 12.3, 8.95, 12.85, 7.3, 2.5, 12.3, 3.15, 8.75, 11.5, 0, 12.2, 18.05, 3.75, 4.25, 5.6, 0, 0.75, 6.5, 0, 5.5, 0.35, 2.5, 6.05, 0, 1.25\}$$

$$\text{rand} \cdot (T - P) = \{0.13, 0.21, 0.02, 0.00, 0.06, 0.06, 0.02, 0.12, 0.09, 0.13, 0.07, 0.03, 0.12, 0.03, 0.09, 0.12, 0.00, 0.12, 0.18, 0.04, 0.04, 0.06, 0.00, 0.01, 0.07, 0.00, 0.06, 0.00, 0.03, 0.06, 0.00, 0.01\}$$

$$\begin{aligned} X_{\text{new}} = P + (\text{rand} \cdot (T - P)) &= \{90.53, 95.26, 83.12, 92.75, 85.51, 70.66, 87.07, 91.67, 82.39, \\ &93.93, 90.47, 72.53, 95.12, 86.53, 80.04, 85.82, 89.75, 92.32, \\ &98.08, 97.54, 78.79, 81.06, 92.25, 83.21, 86.07, 90.50, 97.81, \\ &85.05, 85.53, 88.26, 84.25, 89.11\} \end{aligned}$$

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-152

$$P(\text{titik sample}) = \{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1\}$$

$$T(\text{tetangga acuan}) = \{77.7, 74, 81, 92.75, 79.45, 76.55, 85.5, 79.25, 73.35, 80.95, 83.1, 70, 82.7, 83.35, 71.2, 74.2, 89.75, 80, 79.85, 93.75, 74.5, 75.4, 92.25, 83.95, 79.5, 90.5, 92.25, 84.7, 83, 94.25, 84.25, 87.85\}$$

$$\text{rand} = 0.02$$

$$(T - P) = \{12.7, 21.05, 2.1, 0, 6, 5.95, 1.55, 12.3, 8.95, 12.85, 7.3, 2.5, 12.3, 3.15, 8.75, 11.5, 0, 12.2, 18.05, 3.75, 4.25, 5.6, 0, 0.75, 6.5, 0, 5.5, 0.35, 2.5, 6.05, 0, 1.25\}$$

$$\text{rand. (T - P)} = \{0.25, 0.42, 0.04, 0.00, 0.12, 0.12, 0.03, 0.25, 0.18, 0.26, 0.15, 0.05, 0.25, 0.06, 0.18, 0.23, 0.00, 0.24, 0.36, 0.08, 0.09, 0.11, 0.00, 0.02, 0.13, 0.00, 0.11, 0.01, 0.05, 0.12, 0.00, 0.03\}$$

$$\text{Xnew = P + (rand. (T - P))} = \{90.65, 95.47, 83.14, 92.75, 85.57, 70.72, 87.08, 91.80, 82.48, 94.06, 90.55, 72.55, 95.25, 86.56, 80.13, 85.93, 89.75, 92.44, 98.26, 97.58, 78.84, 81.11, 92.25, 83.22, 86.13, 90.50, 97.86, 85.06, 85.55, 88.32, 84.25, 89.13\}$$

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-153

$$\text{P(titik sample)} = \{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1\}$$

$$\text{T(tetangga acuan)} = \{77.7, 74, 81, 92.75, 79.45, 76.55, 85.5, 79.25, 73.35, 80.95, 83.1, 70, 82.7, 83.35, 71.2, 74.2, 89.75, 80, 79.85, 93.75, 74.5, 75.4, 92.25, 83.95, 79.5, 90.5, 92.25, 84.7, 83, 94.25, 84.25, 87.85\}$$

$$\text{rand} = 0.03$$

$$\text{(T - P)} = \{12.7, 21.05, 2.1, 0, 6, 5.95, 1.55, 12.3, 8.95, 12.85, 7.3, 2.5, 12.3, 3.15, 8.75, 11.5, 0, 12.2, 18.05, 3.75, 4.25, 5.6, 0, 0.75, 6.5, 0, 5.5, 0.35, 2.5, 6.05, 0, 1.25\}$$

$$\text{rand. (T - P)} = \{0.38, 0.63, 0.06, 0.00, 0.18, 0.18, 0.05, 0.37, 0.27, 0.39, 0.22, 0.08, 0.37, 0.09, 0.26, 0.35, 0.00, 0.37, 0.54, 0.11, 0.13, 0.17, 0.00, 0.02, 0.20, 0.00, 0.17, 0.01, 0.08, 0.18, 0.00, 0.04\}$$

$$\text{Xnew = P + (rand. (T - P))} = \{90.78, 95.68, 83.16, 92.75, 85.63, 70.78, 87.10, 91.92, 82.57, 94.19, 90.62, 72.58, 95.37, 86.59, 80.21, 86.05, 89.75, 92.57, 98.44, 97.61, 78.88, 81.17, 92.25, 83.22, 86.20, 90.50, 97.92, 85.06, 85.58, 88.38, 84.25, 89.14\}$$

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-154

$$\text{P(titik sample)} = \{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1\}$$

$$\text{T(tetangga acuan)} = \{77.7, 74, 81, 92.75, 79.45, 76.55, 85.5, 79.25, 73.35, 80.95, 83.1, 70, 82.7, 83.35, 71.2, 74.2, 89.75, 80, 79.85, 93.75, 74.5, 75.4, 92.25, 83.95, 79.5, 90.5, 92.25, 84.7, 83, 94.25, 84.25, 87.85\}$$

$$\text{rand} = 0.04$$

(T - P)	=	{12.7, 21.05, 2.1, 0, 6, 5.95, 1.55, 12.3, 8.95, 12.85, 7.3, 2.5, 12.3, 3.15, 8.75, 11.5, 0, 12.2, 18.05, 3.75, 4.25, 5.6, 0, 0.75, 6.5, 0, 5.5, 0.35, 2.5, 6.05, 0, 1.25}
rand . (T - P)	=	{0.51, 0.84, 0.08, 0.00, 0.24, 0.24, 0.06, 0.49, 0.36, 0.51, 0.29, 0.10, 0.49, 0.13, 0.35, 0.46, 0.00, 0.49, 0.72, 0.15, 0.17, 0.22, 0.00, 0.03, 0.26, 0.00, 0.22, 0.01, 0.10, 0.24, 0.00, 0.05}
Xnew = P + (rand . (T - P))	=	{90.91, 95.89, 83.18, 92.75, 85.69, 70.84, 87.11, 92.04, 82.66, 94.31, 90.69, 72.60, 95.49, 86.63, 80.30, 86.16, 89.75, 92.69, 98.62, 97.65, 78.92, 81.22, 92.25, 83.23, 86.26, 90.50, 97.97, 85.06, 85.60, 88.44, 84.25, 89.15}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-155

P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{77.7, 74, 81, 92.75, 79.45, 76.55, 85.5, 79.25, 73.35, 80.95, 83.1, 70, 82.7, 83.35, 71.2, 74.2, 89.75, 80, 79.85, 93.75, 74.5, 75.4, 92.25, 83.95, 79.5, 90.5, 92.25, 84.7, 83, 94.25, 84.25, 87.85}
rand	=	0.05
(T - P)	=	{12.7, 21.05, 2.1, 0, 6, 5.95, 1.55, 12.3, 8.95, 12.85, 7.3, 2.5, 12.3, 3.15, 8.75, 11.5, 0, 12.2, 18.05, 3.75, 4.25, 5.6, 0, 0.75, 6.5, 0, 5.5, 0.35, 2.5, 6.05, 0, 1.25}
rand . (T - P)	=	{0.64, 1.05, 0.11, 0.00, 0.30, 0.30, 0.08, 0.62, 0.45, 0.64, 0.37, 0.13, 0.62, 0.16, 0.44, 0.58, 0.00, 0.61, 0.90, 0.19, 0.21, 0.28, 0.00, 0.04, 0.33, 0.00, 0.28, 0.02, 0.13, 0.30, 0.00, 0.06}
Xnew = P + (rand . (T - P))	=	{91.04, 96.10, 83.21, 92.75, 85.75, 70.90, 87.13, 92.17, 82.75, 94.44, 90.77, 72.63, 95.62, 86.66, 80.39, 86.28, 89.75, 92.81, 98.80, 97.69, 78.96, 81.28, 92.25, 83.24, 86.33, 90.50, 98.03, 85.07, 85.63, 88.50, 84.25, 89.16}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-156

P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{77.7, 74, 81, 92.75, 79.45, 76.55, 85.5, 79.25, 73.35, 80.95, 83.1, 70, 82.7, 83.35, 71.2, 74.2, 89.75, 80, 79.85, 93.75, 74.5, 75.4, 92.25, 83.95, 79.5, 90.5, 92.25, 84.7, 83, 94.25, 84.25, 87.85}

rand	=	0.06
(T - P)	=	{12.7, 21.05, 2.1, 0, 6, 5.95, 1.55, 12.3, 8.95, 12.85, 7.3, 2.5, 12.3, 3.15, 8.75, 11.5, 0, 12.2, 18.05, 3.75, 4.25, 5.6, 0, 0.75, 6.5, 0, 5.5, 0.35, 2.5, 6.05, 0, 1.25}
rand . (T - P)	=	{0.76, 1.26, 0.13, 0.00, 0.36, 0.36, 0.09, 0.74, 0.54, 0.77, 0.44, 0.15, 0.74, 0.19, 0.53, 0.69, 0.00, 0.73, 1.08, 0.23, 0.26, 0.34, 0.00, 0.05, 0.39, 0.00, 0.33, 0.02, 0.15, 0.36, 0.00, 0.08}
Xnew = P + (rand . (T - P))	=	{91.16, 96.31, 83.23, 92.75, 85.81, 70.96, 87.14, 92.29, 82.84, 94.57, 90.84, 72.65, 95.74, 86.69, 80.48, 86.39, 89.75, 92.93, 98.98, 97.73, 79.01, 81.34, 92.25, 83.25, 86.39, 90.50, 98.08, 85.07, 85.65, 88.56, 84.25, 89.18}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-157

P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{77.7, 74, 81, 92.75, 79.45, 76.55, 85.5, 79.25, 73.35, 80.95, 83.1, 70, 82.7, 83.35, 71.2, 74.2, 89.75, 80, 79.85, 93.75, 74.5, 75.4, 92.25, 83.95, 79.5, 90.5, 92.25, 84.7, 83, 94.25, 84.25, 87.85}
rand	=	0.07
(T - P)	=	{12.7, 21.05, 2.1, 0, 6, 5.95, 1.55, 12.3, 8.95, 12.85, 7.3, 2.5, 12.3, 3.15, 8.75, 11.5, 0, 12.2, 18.05, 3.75, 4.25, 5.6, 0, 0.75, 6.5, 0, 5.5, 0.35, 2.5, 6.05, 0, 1.25}
rand . (T - P)	=	{0.89, 1.47, 0.15, 0.00, 0.42, 0.42, 0.11, 0.86, 0.63, 0.90, 0.51, 0.18, 0.86, 0.22, 0.61, 0.81, 0.00, 0.85, 1.26, 0.26, 0.30, 0.39, 0.00, 0.05, 0.46, 0.00, 0.39, 0.02, 0.18, 0.42, 0.00, 0.09}
Xnew = P + (rand . (T - P))	=	{91.29, 96.52, 83.25, 92.75, 85.87, 71.02, 87.16, 92.41, 82.93, 94.70, 90.91, 72.68, 95.86, 86.72, 80.56, 86.51, 89.75, 93.05, 99.16, 97.76, 79.05, 81.39, 92.25, 83.25, 86.46, 90.50, 98.14, 85.07, 85.68, 88.62, 84.25, 89.19}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-158

P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{77.7, 74, 81, 92.75, 79.45, 76.55, 85.5, 79.25, 73.35, 80.95, 83.1, 70, 82.7, 83.35, 71.2, 74.2, 89.75, 80, 79.85, 93.75, 74.5,

		75.4, 92.25, 83.95, 79.5, 90.5, 92.25, 84.7, 83, 94.25, 84.25, 87.85}
rand	=	0.08
(T - P)	=	{12.7, 21.05, 2.1, 0, 6, 5.95, 1.55, 12.3, 8.95, 12.85, 7.3, 2.5, 12.3, 3.15, 8.75, 11.5, 0, 12.2, 18.05, 3.75, 4.25, 5.6, 0, 0.75, 6.5, 0, 5.5, 0.35, 2.5, 6.05, 0, 1.25}
rand . (T - P)	=	{1.02, 1.68, 0.17, 0.00, 0.48, 0.48, 0.12, 0.98, 0.72, 1.03, 0.58, 0.20, 0.98, 0.25, 0.70, 0.92, 0.00, 0.98, 1.44, 0.30, 0.34, 0.45, 0.00, 0.06, 0.52, 0.00, 0.44, 0.03, 0.20, 0.48, 0.00, 0.10}
Xnew = P + (rand . (T - P))	=	{91.42, 96.73, 83.27, 92.75, 85.93, 71.08, 87.17, 92.53, 83.02, 94.83, 90.98, 72.70, 95.98, 86.75, 80.65, 86.62, 89.75, 93.18, 99.34, 97.80, 79.09, 81.45, 92.25, 83.26, 86.52, 90.50, 98.19, 85.08, 85.70, 88.68, 84.25, 89.20}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-159		
P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{77.7, 74, 81, 92.75, 79.45, 76.55, 85.5, 79.25, 73.35, 80.95, 83.1, 70, 82.7, 83.35, 71.2, 74.2, 89.75, 80, 79.85, 93.75, 74.5, 75.4, 92.25, 83.95, 79.5, 90.5, 92.25, 84.7, 83, 94.25, 84.25, 87.85}
rand	=	0.09
(T - P)	=	{12.7, 21.05, 2.1, 0, 6, 5.95, 1.55, 12.3, 8.95, 12.85, 7.3, 2.5, 12.3, 3.15, 8.75, 11.5, 0, 12.2, 18.05, 3.75, 4.25, 5.6, 0, 0.75, 6.5, 0, 5.5, 0.35, 2.5, 6.05, 0, 1.25}
rand . (T - P)	=	{1.14, 1.89, 0.19, 0.00, 0.54, 0.54, 0.14, 1.11, 0.81, 1.16, 0.66, 0.23, 1.11, 0.28, 0.79, 1.04, 0.00, 1.10, 1.62, 0.34, 0.38, 0.50, 0.00, 0.07, 0.59, 0.00, 0.50, 0.03, 0.23, 0.54, 0.00, 0.11}
Xnew = P + (rand . (T - P))	=	{91.54, 96.94, 83.29, 92.75, 85.99, 71.14, 87.19, 92.66, 83.11, 94.96, 91.06, 72.73, 96.11, 86.78, 80.74, 86.74, 89.75, 93.30, 99.52, 97.84, 79.13, 81.50, 92.25, 83.27, 86.59, 90.50, 98.25, 85.08, 85.73, 88.74, 84.25, 89.21}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-160		
P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}

T(tetangga acuan)	=	{77.7, 74, 81, 92.75, 79.45, 76.55, 85.5, 79.25, 73.35, 80.95, 83.1, 70, 82.7, 83.35, 71.2, 74.2, 89.75, 80, 79.85, 93.75, 74.5, 75.4, 92.25, 83.95, 79.5, 90.5, 92.25, 84.7, 83, 94.25, 84.25, 87.85}
rand	=	0.1
(T - P)	=	{12.7, 21.05, 2.1, 0, 6, 5.95, 1.55, 12.3, 8.95, 12.85, 7.3, 2.5, 12.3, 3.15, 8.75, 11.5, 0, 12.2, 18.05, 3.75, 4.25, 5.6, 0, 0.75, 6.5, 0, 5.5, 0.35, 2.5, 6.05, 0, 1.25}
rand . (T - P)	=	{1.27, 2.11, 0.21, 0.00, 0.60, 0.60, 0.16, 1.23, 0.90, 1.29, 0.73, 0.25, 1.23, 0.32, 0.88, 1.15, 0.00, 1.22, 1.81, 0.38, 0.43, 0.56, 0.00, 0.08, 0.65, 0.00, 0.55, 0.04, 0.25, 0.61, 0.00, 0.13}
Xnew = P + (rand . (T - P))	=	{91.67, 97.16, 83.31, 92.75, 86.05, 71.20, 87.21, 92.78, 83.20, 95.09, 91.13, 72.75, 96.23, 86.82, 80.83, 86.85, 89.75, 93.42, 99.71, 97.88, 79.18, 81.56, 92.25, 83.28, 86.65, 90.50, 98.30, 85.09, 85.75, 88.81, 84.25, 89.23}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-161		
P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{87.2, 92.9, 79.35, 82, 89.5, 67.55, 85.1, 90.45, 90.15, 83.5, 87.55, 93.75, 81, 86.5, 89, 87.8, 73.4, 89.25, 92, 81.45, 80.5, 91.8, 88.5, 83.5, 69.4, 85.4, 95, 87.1, 95.45, 93.55, 86.75, 83.15}
rand	=	0.01
(T - P)	=	{3.2, 2.15, 3.75, 10.75, 4.05, 3.05, 1.95, 1.1, 7.85, 10.3, 2.85, 21.25, 14, 0, 9.05, 2.1, 16.35, 2.95, 5.9, 16.05, 1.75, 10.8, 3.75, 0.3, 16.6, 5.1, 2.75, 2.05, 9.95, 5.35, 2.5, 5.95}
rand . (T - P)	=	{0.03, 0.02, 0.04, 0.11, 0.04, 0.03, 0.02, 0.01, 0.08, 0.10, 0.03, 0.21, 0.14, 0.00, 0.09, 0.02, 0.16, 0.03, 0.06, 0.16, 0.02, 0.11, 0.04, 0.00, 0.17, 0.05, 0.03, 0.02, 0.10, 0.05, 0.03, 0.06}
Xnew = P + (rand . (T - P))	=	{90.43, 95.07, 83.14, 92.86, 85.49, 70.63, 87.07, 91.56, 82.38, 93.90, 90.43, 72.71, 95.14, 86.50, 80.04, 85.72, 89.91, 92.23, 97.96, 97.66, 78.77, 81.11, 92.29, 83.20, 86.17, 90.55, 97.78, 85.07, 85.60, 88.25, 84.28, 89.16}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-162		

P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{87.2, 92.9, 79.35, 82, 89.5, 67.55, 85.1, 90.45, 90.15, 83.5, 87.55, 93.75, 81, 86.5, 89, 87.8, 73.4, 89.25, 92, 81.45, 80.5, 91.8, 88.5, 83.5, 69.4, 85.4, 95, 87.1, 95.45, 93.55, 86.75, 83.15}
rand	=	0.02
(T - P)	=	{3.2, 2.15, 3.75, 10.75, 4.05, 3.05, 1.95, 1.1, 7.85, 10.3, 2.85, 21.25, 14, 0, 9.05, 2.1, 16.35, 2.95, 5.9, 16.05, 1.75, 10.8, 3.75, 0.3, 16.6, 5.1, 2.75, 2.05, 9.95, 5.35, 2.5, 5.95}
rand . (T - P)	=	{0.06, 0.04, 0.08, 0.22, 0.08, 0.06, 0.04, 0.02, 0.16, 0.21, 0.06, 0.43, 0.28, 0.00, 0.18, 0.04, 0.33, 0.06, 0.12, 0.32, 0.04, 0.22, 0.08, 0.01, 0.33, 0.10, 0.06, 0.04, 0.20, 0.11, 0.05, 0.12}
Xnew = P + (rand . (T - P))	=	{90.46, 95.09, 83.18, 92.97, 85.53, 70.66, 87.09, 91.57, 82.46, 94.01, 90.46, 72.93, 95.28, 86.50, 80.13, 85.74, 90.08, 92.26, 98.02, 97.82, 78.79, 81.22, 92.33, 83.21, 86.33, 90.60, 97.81, 85.09, 85.70, 88.31, 84.30, 89.22}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-163		
P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{87.2, 92.9, 79.35, 82, 89.5, 67.55, 85.1, 90.45, 90.15, 83.5, 87.55, 93.75, 81, 86.5, 89, 87.8, 73.4, 89.25, 92, 81.45, 80.5, 91.8, 88.5, 83.5, 69.4, 85.4, 95, 87.1, 95.45, 93.55, 86.75, 83.15}
rand	=	0.03
(T - P)	=	{3.2, 2.15, 3.75, 10.75, 4.05, 3.05, 1.95, 1.1, 7.85, 10.3, 2.85, 21.25, 14, 0, 9.05, 2.1, 16.35, 2.95, 5.9, 16.05, 1.75, 10.8, 3.75, 0.3, 16.6, 5.1, 2.75, 2.05, 9.95, 5.35, 2.5, 5.95}
rand . (T - P)	=	{0.10, 0.06, 0.11, 0.32, 0.12, 0.09, 0.06, 0.03, 0.24, 0.31, 0.09, 0.64, 0.42, 0.00, 0.27, 0.06, 0.49, 0.09, 0.18, 0.48, 0.05, 0.32, 0.11, 0.01, 0.50, 0.15, 0.08, 0.06, 0.30, 0.16, 0.08, 0.18}
Xnew = P + (rand . (T - P))	=	{90.50, 95.11, 83.21, 93.07, 85.57, 70.69, 87.11, 91.58, 82.54, 94.11, 90.49, 73.14, 95.42, 86.50, 80.22, 85.76, 90.24, 92.29, 98.08, 97.98, 78.80, 81.32, 92.36, 83.21, 86.50, 90.65, 97.83, 85.11, 85.80, 88.36, 84.33, 89.28}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-164

P(titik sample) = {90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}

T(tetangga acuan) = {87.2, 92.9, 79.35, 82, 89.5, 67.55, 85.1, 90.45, 90.15, 83.5, 87.55, 93.75, 81, 86.5, 89, 87.8, 73.4, 89.25, 92, 81.45, 80.5, 91.8, 88.5, 83.5, 69.4, 85.4, 95, 87.1, 95.45, 93.55, 86.75, 83.15}

rand = 0.04

(T - P) = {3.2, 2.15, 3.75, 10.75, 4.05, 3.05, 1.95, 1.1, 7.85, 10.3, 2.85, 21.25, 14, 0, 9.05, 2.1, 16.35, 2.95, 5.9, 16.05, 1.75, 10.8, 3.75, 0.3, 16.6, 5.1, 2.75, 2.05, 9.95, 5.35, 2.5, 5.95}

rand . (T - P) = {0.13, 0.09, 0.15, 0.43, 0.16, 0.12, 0.08, 0.04, 0.31, 0.41, 0.11, 0.85, 0.56, 0.00, 0.36, 0.08, 0.65, 0.12, 0.24, 0.64, 0.07, 0.43, 0.15, 0.01, 0.66, 0.20, 0.11, 0.08, 0.40, 0.21, 0.10, 0.24}

Xnew = P + (rand . (T - P)) = {90.53, 95.14, 83.25, 93.18, 85.61, 70.72, 87.13, 91.59, 82.61, 94.21, 90.51, 73.35, 95.56, 86.50, 80.31, 85.78, 90.40, 92.32, 98.14, 98.14, 78.82, 81.43, 92.40, 83.21, 86.66, 90.70, 97.86, 85.13, 85.90, 88.41, 84.35, 89.34}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-165

P(titik sample) = {90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}

T(tetangga acuan) = {87.2, 92.9, 79.35, 82, 89.5, 67.55, 85.1, 90.45, 90.15, 83.5, 87.55, 93.75, 81, 86.5, 89, 87.8, 73.4, 89.25, 92, 81.45, 80.5, 91.8, 88.5, 83.5, 69.4, 85.4, 95, 87.1, 95.45, 93.55, 86.75, 83.15}

rand = 0.05

(T - P) = {3.2, 2.15, 3.75, 10.75, 4.05, 3.05, 1.95, 1.1, 7.85, 10.3, 2.85, 21.25, 14, 0, 9.05, 2.1, 16.35, 2.95, 5.9, 16.05, 1.75, 10.8, 3.75, 0.3, 16.6, 5.1, 2.75, 2.05, 9.95, 5.35, 2.5, 5.95}

rand . (T - P) = {0.16, 0.11, 0.19, 0.54, 0.20, 0.15, 0.10, 0.06, 0.39, 0.52, 0.14, 1.06, 0.70, 0.00, 0.45, 0.11, 0.82, 0.15, 0.30, 0.80, 0.09, 0.54, 0.19, 0.02, 0.83, 0.26, 0.14, 0.10, 0.50, 0.27, 0.13, 0.30}

Xnew = P + (rand . (T - P)) = {90.56, 95.16, 83.29, 93.29, 85.65, 70.75, 87.15, 91.61, 82.69, 94.32, 90.54, 73.56, 95.70, 86.50, 80.40, 85.81, 90.57, 92.35,

98.20, 98.30, 78.84, 81.54, 92.44, 83.22, 86.83, 90.76, 97.89,
85.15, 86.00, 88.47, 84.38, 89.40}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-166

P(titik sample) = {90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8,
90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75,
81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}

T(tetangga acuan) = {87.2, 92.9, 79.35, 82, 89.5, 67.55, 85.1, 90.45, 90.15, 83.5,
87.55, 93.75, 81, 86.5, 89, 87.8, 73.4, 89.25, 92, 81.45, 80.5,
91.8, 88.5, 83.5, 69.4, 85.4, 95, 87.1, 95.45, 93.55, 86.75,
83.15}

rand = 0.06

(T - P) = {3.2, 2.15, 3.75, 10.75, 4.05, 3.05, 1.95, 1.1, 7.85, 10.3, 2.85,
21.25, 14, 0, 9.05, 2.1, 16.35, 2.95, 5.9, 16.05, 1.75, 10.8, 3.75,
0.3, 16.6, 5.1, 2.75, 2.05, 9.95, 5.35, 2.5, 5.95}

rand . (T - P) = {0.19, 0.13, 0.23, 0.65, 0.24, 0.18, 0.12, 0.07, 0.47, 0.62, 0.17,
1.28, 0.84, 0.00, 0.54, 0.13, 0.98, 0.18, 0.35, 0.96, 0.11, 0.65,
0.23, 0.02, 1.00, 0.31, 0.17, 0.12, 0.60, 0.32, 0.15, 0.36}

Xnew = P + (rand . (T - P)) = {90.59, 95.18, 83.33, 93.40, 85.69, 70.78, 87.17, 91.62, 82.77,
94.42, 90.57, 73.78, 95.84, 86.50, 80.49, 85.83, 90.73, 92.38,
98.25, 98.46, 78.86, 81.65, 92.48, 83.22, 87.00, 90.81, 97.92,
85.17, 86.10, 88.52, 84.40, 89.46}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-167

P(titik sample) = {90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8,
90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75,
81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}

T(tetangga acuan) = {87.2, 92.9, 79.35, 82, 89.5, 67.55, 85.1, 90.45, 90.15, 83.5,
87.55, 93.75, 81, 86.5, 89, 87.8, 73.4, 89.25, 92, 81.45, 80.5,
91.8, 88.5, 83.5, 69.4, 85.4, 95, 87.1, 95.45, 93.55, 86.75,
83.15}

rand = 0.07

(T - P) = {3.2, 2.15, 3.75, 10.75, 4.05, 3.05, 1.95, 1.1, 7.85, 10.3, 2.85,
21.25, 14, 0, 9.05, 2.1, 16.35, 2.95, 5.9, 16.05, 1.75, 10.8, 3.75,
0.3, 16.6, 5.1, 2.75, 2.05, 9.95, 5.35, 2.5, 5.95}

rand . (T - P) = {0.22, 0.15, 0.26, 0.75, 0.28, 0.21, 0.14, 0.08, 0.55, 0.72, 0.20,
1.49, 0.98, 0.00, 0.63, 0.15, 1.14, 0.21, 0.41, 1.12, 0.12, 0.76,
0.26, 0.02, 1.16, 0.36, 0.19, 0.14, 0.70, 0.37, 0.18, 0.42}

$$\begin{aligned} X_{\text{new}} = P + (\text{rand} \cdot (T - P)) &= \{90.62, 95.20, 83.36, 93.50, 85.73, 70.81, 87.19, 91.63, 82.85, \\ &94.52, 90.60, 73.99, 95.98, 86.50, 80.58, 85.85, 90.89, 92.41, \\ &98.31, 98.62, 78.87, 81.76, 92.51, 83.22, 87.16, 90.86, 97.94, \\ &85.19, 86.20, 88.57, 84.43, 89.52\} \end{aligned}$$

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-168

$$\begin{aligned} P(\text{titik sample}) &= \{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, \\ &90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, \\ &81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1\} \end{aligned}$$

$$\begin{aligned} T(\text{tetangga acuan}) &= \{87.2, 92.9, 79.35, 82, 89.5, 67.55, 85.1, 90.45, 90.15, 83.5, \\ &87.55, 93.75, 81, 86.5, 89, 87.8, 73.4, 89.25, 92, 81.45, 80.5, \\ &91.8, 88.5, 83.5, 69.4, 85.4, 95, 87.1, 95.45, 93.55, 86.75, \\ &83.15\} \end{aligned}$$

$$\text{rand} = 0.08$$

$$\begin{aligned} (T - P) &= \{3.2, 2.15, 3.75, 10.75, 4.05, 3.05, 1.95, 1.1, 7.85, 10.3, 2.85, \\ &21.25, 14, 0, 9.05, 2.1, 16.35, 2.95, 5.9, 16.05, 1.75, 10.8, 3.75, \\ &0.3, 16.6, 5.1, 2.75, 2.05, 9.95, 5.35, 2.5, 5.95\} \end{aligned}$$

$$\begin{aligned} \text{rand} \cdot (T - P) &= \{0.26, 0.17, 0.30, 0.86, 0.32, 0.24, 0.16, 0.09, 0.63, 0.82, 0.23, \\ &1.70, 1.12, 0.00, 0.72, 0.17, 1.31, 0.24, 0.47, 1.28, 0.14, 0.86, \\ &0.30, 0.02, 1.33, 0.41, 0.22, 0.16, 0.80, 0.43, 0.20, 0.48\} \end{aligned}$$

$$\begin{aligned} X_{\text{new}} = P + (\text{rand} \cdot (T - P)) &= \{90.66, 95.22, 83.40, 93.61, 85.77, 70.84, 87.21, 91.64, 82.93, \\ &94.62, 90.63, 74.20, 96.12, 86.50, 80.67, 85.87, 91.06, 92.44, \\ &98.37, 98.78, 78.89, 81.86, 92.55, 83.22, 87.33, 90.91, 97.97, \\ &85.21, 86.30, 88.63, 84.45, 89.58\} \end{aligned}$$

Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-169

$$\begin{aligned} P(\text{titik sample}) &= \{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, \\ &90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, \\ &81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1\} \end{aligned}$$

$$\begin{aligned} T(\text{tetangga acuan}) &= \{87.2, 92.9, 79.35, 82, 89.5, 67.55, 85.1, 90.45, 90.15, 83.5, \\ &87.55, 93.75, 81, 86.5, 89, 87.8, 73.4, 89.25, 92, 81.45, 80.5, \\ &91.8, 88.5, 83.5, 69.4, 85.4, 95, 87.1, 95.45, 93.55, 86.75, \\ &83.15\} \end{aligned}$$

$$\text{rand} = 0.09$$

$$\begin{aligned} (T - P) &= \{3.2, 2.15, 3.75, 10.75, 4.05, 3.05, 1.95, 1.1, 7.85, 10.3, 2.85, \\ &21.25, 14, 0, 9.05, 2.1, 16.35, 2.95, 5.9, 16.05, 1.75, 10.8, 3.75, \\ &0.3, 16.6, 5.1, 2.75, 2.05, 9.95, 5.35, 2.5, 5.95\} \end{aligned}$$

rand . (T - P)	=	{0.29, 0.19, 0.34, 0.97, 0.36, 0.27, 0.18, 0.10, 0.71, 0.93, 0.26, 1.91, 1.26, 0.00, 0.81, 0.19, 1.47, 0.27, 0.53, 1.44, 0.16, 0.97, 0.34, 0.03, 1.49, 0.46, 0.25, 0.18, 0.90, 0.48, 0.23, 0.54}
Xnew = P + (rand . (T - P))	=	{90.69, 95.24, 83.44, 93.72, 85.81, 70.87, 87.23, 91.65, 83.01, 94.73, 90.66, 74.41, 96.26, 86.50, 80.76, 85.89, 91.22, 92.47, 98.43, 98.94, 78.91, 81.97, 92.59, 83.23, 87.49, 90.96, 98.00, 85.23, 86.40, 88.68, 84.48, 89.64}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-170		
P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{87.2, 92.9, 79.35, 82, 89.5, 67.55, 85.1, 90.45, 90.15, 83.5, 87.55, 93.75, 81, 86.5, 89, 87.8, 73.4, 89.25, 92, 81.45, 80.5, 91.8, 88.5, 83.5, 69.4, 85.4, 95, 87.1, 95.45, 93.55, 86.75, 83.15}
rand	=	0.1
(T - P)	=	{3.2, 2.15, 3.75, 10.75, 4.05, 3.05, 1.95, 1.1, 7.85, 10.3, 2.85, 21.25, 14, 0, 9.05, 2.1, 16.35, 2.95, 5.9, 16.05, 1.75, 10.8, 3.75, 0.3, 16.6, 5.1, 2.75, 2.05, 9.95, 5.35, 2.5, 5.95}
rand . (T - P)	=	{0.32, 0.22, 0.38, 1.08, 0.41, 0.31, 0.20, 0.11, 0.79, 1.03, 0.29, 2.13, 1.40, 0.00, 0.91, 0.21, 1.64, 0.30, 0.59, 1.61, 0.18, 1.08, 0.38, 0.03, 1.66, 0.51, 0.28, 0.21, 1.00, 0.54, 0.25, 0.60}
Xnew = P + (rand . (T - P))	=	{90.72, 95.27, 83.48, 93.83, 85.86, 70.91, 87.25, 91.66, 83.09, 94.83, 90.69, 74.63, 96.40, 86.50, 80.86, 85.91, 91.39, 92.50, 98.49, 99.11, 78.93, 82.08, 92.63, 83.23, 87.66, 91.01, 98.03, 85.26, 86.50, 88.74, 84.50, 89.70}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-171		
P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{89.2, 89.4, 89.35, 93.5, 90.4, 95.3, 86.95, 84.35, 86.6, 75.8, 85.35, 90.45, 96.95, 85.65, 92.9, 84.1, 77.45, 96.5, 96.5, 99.5, 77.9, 93, 94.7, 84.1, 89.55, 87.6, 89.2, 87.45, 96.05, 98.5, 88, 93.6}
rand	=	0.01

(T - P)	=	{1.2, 5.65, 6.25, 0.75, 4.95, 24.7, 0.1, 7.2, 4.3, 18, 5.05, 17.95, 1.95, 0.85, 12.95, 1.6, 12.3, 4.3, 1.4, 2, 0.85, 12, 2.45, 0.9, 3.55, 2.9, 8.55, 2.4, 10.55, 10.3, 3.75, 4.5}
rand . (T - P)	=	{0.01, 0.06, 0.06, 0.01, 0.05, 0.25, 0.00, 0.07, 0.04, 0.18, 0.05, 0.18, 0.02, 0.01, 0.13, 0.02, 0.12, 0.04, 0.01, 0.02, 0.01, 0.12, 0.02, 0.01, 0.04, 0.03, 0.09, 0.02, 0.11, 0.10, 0.04, 0.05}
Xnew = P + (rand . (T - P))	=	{90.41, 95.11, 83.16, 92.76, 85.50, 70.85, 87.05, 91.62, 82.34, 93.98, 90.45, 72.68, 95.02, 86.51, 80.08, 85.72, 89.87, 92.24, 97.91, 97.52, 78.76, 81.12, 92.27, 83.21, 86.04, 90.53, 97.84, 85.07, 85.61, 88.30, 84.29, 89.15}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas E-Tourism ke-172		
P(titik sample)	=	{90.4, 95.05, 83.1, 92.75, 85.45, 70.6, 87.05, 91.55, 82.3, 93.8, 90.4, 72.5, 95, 86.5, 79.95, 85.7, 89.75, 92.2, 97.9, 97.5, 78.75, 81, 92.25, 83.2, 86, 90.5, 97.75, 85.05, 85.5, 88.2, 84.25, 89.1}
T(tetangga acuan)	=	{89.2, 89.4, 89.35, 93.5, 90.4, 95.3, 86.95, 84.35, 86.6, 75.8, 85.35, 90.45, 96.95, 85.65, 92.9, 84.1, 77.45, 96.5, 96.5, 99.5, 77.9, 93, 94.7, 84.1, 89.55, 87.6, 89.2, 87.45, 96.05, 98.5, 88, 93.6}
rand	=	0.02
(T - P)	=	{1.2, 5.65, 6.25, 0.75, 4.95, 24.7, 0.1, 7.2, 4.3, 18, 5.05, 17.95, 1.95, 0.85, 12.95, 1.6, 12.3, 4.3, 1.4, 2, 0.85, 12, 2.45, 0.9, 3.55, 2.9, 8.55, 2.4, 10.55, 10.3, 3.75, 4.5}
rand . (T - P)	=	{0.02, 0.11, 0.13, 0.02, 0.10, 0.49, 0.00, 0.14, 0.09, 0.36, 0.10, 0.36, 0.04, 0.02, 0.26, 0.03, 0.25, 0.09, 0.03, 0.04, 0.02, 0.24, 0.05, 0.02, 0.07, 0.06, 0.17, 0.05, 0.21, 0.21, 0.08, 0.09}
Xnew = P + (rand . (T - P))	=	{90.42, 95.16, 83.23, 92.77, 85.55, 71.09, 87.05, 91.69, 82.39, 94.16, 90.50, 72.86, 95.04, 86.52, 80.21, 85.73, 90.00, 92.29, 97.93, 97.54, 78.77, 81.24, 92.30, 83.22, 86.07, 90.56, 97.92, 85.10, 85.71, 88.41, 84.33, 89.19}

Lampiran 3 Data Oversampling untuk kelas E-Tourism

F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18	F19	F20	F21	F22	F23	F24	F25	F26	F27	F28	F29	F30	F31	F32
90.4	95.09	83.12	92.78	85.48	70.66	87.07	91.56	82.35	93.82	90.43	72.58	95	86.5	79.97	85.74	89.76	92.23	97.92	97.5	78.8	81.02	92.29	83.21	86	90.5	97.76	85.08	85.5	88.22	84.25	89.11
90.41	95.14	83.14	92.8	85.51	70.73	87.08	91.56	82.39	93.85	90.47	72.66	95	86.5	79.99	85.77	89.77	92.26	97.95	97.51	78.86	81.05	92.33	83.22	86.01	90.5	97.76	85.1	85.5	88.24	84.25	89.11
90.41	95.18	83.16	92.83	85.54	70.79	87.1	91.57	82.44	93.87	90.5	72.73	95	86.5	80	85.81	89.77	92.28	97.97	97.51	78.91	81.07	92.37	83.23	86.01	90.5	97.77	85.13	85.5	88.27	84.25	89.12
90.42	95.22	83.18	92.85	85.57	70.86	87.11	91.57	82.48	93.89	90.54	72.81	95	86.5	80.02	85.85	89.78	92.31	97.99	97.51	78.97	81.1	92.41	83.24	86.01	90.5	97.77	85.15	85.5	88.29	84.25	89.12
90.42	95.27	83.2	92.88	85.6	70.92	87.13	91.58	82.53	93.92	90.57	72.89	95	86.5	80.04	85.89	89.79	92.34	98.02	97.51	79.02	81.12	92.45	83.25	86.01	90.5	97.78	85.18	85.5	88.31	84.25	89.13
90.42	95.31	83.21	92.9	85.63	70.99	87.14	91.58	82.58	93.94	90.6	72.97	95	86.5	80.06	85.92	89.8	92.37	98.04	97.52	79.07	81.14	92.49	83.26	86.02	90.5	97.78	85.2	85.5	88.33	84.25	89.14
90.43	95.35	83.23	92.93	85.66	71.05	87.16	91.59	82.62	93.96	90.64	73.04	95	86.5	80.08	85.96	89.8	92.39	98.06	97.52	79.13	81.17	92.53	83.27	86.02	90.5	97.79	85.23	85.5	88.35	84.25	89.14
90.43	95.4	83.25	92.95	85.69	71.12	87.17	91.59	82.67	93.98	90.67	73.12	95	86.5	80.09	86	89.81	92.42	98.09	97.52	79.18	81.19	92.57	83.28	86.02	90.5	97.79	85.25	85.5	88.38	84.25	89.15
90.44	95.44	83.27	92.98	85.72	71.18	87.19	91.6	82.71	94.01	90.71	73.2	95	86.5	80.11	86.03	89.82	92.45	98.11	97.52	79.24	81.22	92.61	83.29	86.02	90.5	97.8	85.28	85.5	88.4	84.25	89.15
90.44	95.49	83.29	93	85.76	71.25	87.21	91.6	82.76	94.03	90.74	73.28	95	86.5	80.13	86.07	89.83	92.48	98.14	97.53	79.29	81.24	92.65	83.31	86.03	90.5	97.8	85.31	85.5	88.42	84.25	89.16
90.4	95.13	83.1	92.77	85.48	70.74	87.05	91.55	82.34	93.82	90.4	72.51	95.02	86.5	79.98	85.71	89.77	92.24	97.91	97.51	78.78	81.01	92.26	83.2	86	90.5	97.75	85.07	85.5	88.2	84.26	89.12
90.41	95.21	83.11	92.79	85.5	70.88	87.05	91.56	82.37	93.83	90.41	72.53	95.04	86.5	80.02	85.72	89.79	92.28	97.92	97.53	78.81	81.01	92.27	83.2	86	90.5	97.75	85.09	85.5	88.2	84.28	89.14
90.41	95.29	83.11	92.8	85.53	71.02	87.05	91.56	82.41	93.85	90.41	72.54	95.05	86.5	80.05	85.73	89.8	92.31	97.93	97.54	78.83	81.02	92.28	83.2	86.01	90.5	97.75	85.11	85.5	88.2	84.29	89.16
90.41	95.37	83.11	92.82	85.55	71.16	87.05	91.56	82.44	93.87	90.41	72.55	95.07	86.5	80.08	85.74	89.82	92.35	97.94	97.55	78.86	81.03	92.29	83.2	86.01	90.5	97.75	85.12	85.5	88.2	84.3	89.18
90.42	95.45	83.12	92.84	85.58	71.3	87.05	91.57	82.48	93.89	90.41	72.56	95.09	86.5	80.12	85.75	89.84	92.39	97.95	97.56	78.89	81.03	92.3	83.2	86.01	90.5	97.75	85.14	85.5	88.2	84.31	89.2
90.42	95.52	83.12	92.86	85.6	71.44	87.05	91.57	82.52	93.9	90.42	72.58	95.11	86.5	80.15	85.76	89.86	92.43	97.96	97.58	78.92	81.04	92.31	83.2	86.01	90.5	97.75	85.16	85.5	88.2	84.33	89.22
90.42	95.6	83.12	92.88	85.63	71.58	87.05	91.57	82.55	93.92	90.42	72.59	95.12	86.5	80.18	85.77	89.87	92.47	97.97	97.59	78.94	81.05	92.32	83.2	86.01	90.5	97.75	85.18	85.5	88.2	84.34	89.24
90.42	95.68	83.12	92.89	85.65	71.72	87.05	91.57	82.59	93.94	90.42	72.6	95.14	86.5	80.21	85.78	89.89	92.5	97.98	97.6	78.97	81.05	92.33	83.2	86.02	90.5	97.75	85.2	85.5	88.2	84.35	89.26
90.43	95.76	83.13	92.91	85.68	71.86	87.05	91.58	82.62	93.95	90.42	72.61	95.16	86.5	80.25	85.79	89.91	92.54	97.99	97.61	79	81.06	92.34	83.2	86.02	90.5	97.75	85.22	85.5	88.2	84.36	89.28
90.43	95.84	83.13	92.93	85.7	72.01	87.05	91.58	82.66	93.97	90.43	72.63	95.18	86.5	80.28	85.81	89.93	92.58	98.01	97.63	79.03	81.07	92.36	83.2	86.02	90.5	97.75	85.24	85.5	88.2	84.38	89.3
90.46	95.06	83.1	92.79	85.48	70.67	87.07	91.56	82.44	93.8	90.41	72.59	95.08	86.54	80	85.82	89.77	92.21	97.92	97.51	78.84	81	92.27	83.21	86.01	90.5	97.78	85.08	85.5	88.21	84.25	89.13
90.52	95.06	83.11	92.83	85.51	70.74	87.1	91.56	82.58	93.8	90.42	72.68	95.17	86.58	80.04	85.95	89.79	92.23	97.95	97.51	78.93	81.01	92.3	83.22	86.02	90.5	97.81	85.11	85.51	88.23	84.25	89.15
90.58	95.07	83.11	92.87	85.54	70.81	87.12	91.57	82.72	93.81	90.43	72.76	95.25	86.62	80.09	86.07	89.8	92.24	97.97	97.52	79.02	81.01	92.32	83.23	86.03	90.5	97.84	85.14	85.51	88.24	84.25	89.18
90.63	95.07	83.11	92.91	85.57	70.89	87.15	91.58	82.85	93.81	90.44	72.85	95.34	86.66	80.13	86.2	89.82	92.25	97.99	97.52	79.11	81.02	92.34	83.24	86.03	90.5	97.87	85.17	85.51	88.26	84.25	89.2
90.69	95.08	83.11	92.95	85.6	70.96	87.17	91.59	82.99	93.81	90.45	72.94	95.42	86.7	80.18	86.32	89.84	92.26	98.02	97.53	79.2	81.02	92.37	83.25	86.04	90.5	97.9	85.2	85.52	88.27	84.25	89.23
90.75	95.08	83.12	92.99	85.63	71.03	87.19	91.59	83.13	93.81	90.46	73.03	95.5	86.74	80.22	86.44	89.86	92.28	98.04	97.53	79.28	81.02	92.39	83.26	86.05	90.5	97.93	85.22	85.52	88.29	84.25	89.25
90.81	95.09	83.12	93.03	85.66	71.1	87.22	91.6	83.27	93.81	90.47	73.11	95.59	86.78	80.27	86.57	89.87	92.29	98.06	97.54	79.37	81.03	92.41	83.27	86.06	90.5	97.96	85.25	85.52	88.3	84.25	89.28
90.87	95.09	83.12	93.07	85.69	71.17	87.24	91.61	83.41	93.82	90.48	73.2	95.67	86.82	80.31	86.69	89.89	92.3	98.09	97.54	79.46	81.03	92.43	83.28	86.07	90.5	97.99	85.28	85.53	88.32	84.25	89.3
90.93	95.1	83.12	93.11	85.72	71.24	87.27	91.61	83.55	93.82	90.49	73.29	95.76	86.86	80.36	86.82	89.91	92.31	98.11	97.55	79.55	81.04	92.46	83.29	86.08	90.5	98.02	85.31	85.53	88.33	84.25	89.33
90.99	95.1	83.13	93.16	85.76	71.32	87.29	91.62	83.69	93.82	90.5	73.38	95.84	86.9	80.4	86.94	89.93	92.33	98.14	97.55	79.64	81.04	92.48	83.31	86.09	90.5	98.06	85.34	85.54	88.35	84.25	89.35
90.42	95.1	83.13	92.77	85.49	70.75	87.06	91.55	82.37	93.81	90.4	72.6	95.02	86.54	79.95	85.76	89.84	92.24	97.91	97.5	78.87	81.02	92.26	83.2	86.01	90.5	97.86	85.08	85.51	88.21	84.25	89.1
90.44	95.15	83.15	92.79	85.53	70.9	87.07	91.56	82.43	93.81	90.41	72.69	95.04	86.58	79.95	85.82	89.93	92.29	97.92	97.51	78.99	81.05	92.28	83.2	86.03	90.5	97.98	85.1	85.53	88.22	84.25	89.11
90.46	95.2	83.18	92.8	85.57	71.05	87.08	91.56	82.5	93.82	90.41	72.79	95.05	86.61	79.95	85.88	90.02	92.33	97.93	97.51	79.1	81.07	92.29	83.2	86.04	90.5	98.09	85.13	85.54	88.23	84.25	89.11
90.49	95.25	83.2	92.82	85.61	71.2	87.09	91.57	82.57	93.82	90.41	72.88	95.07	86.65	79.95	85.94	90.1	92.37	97.94	97.51	79.22	81.1	92.3	83.2	86.05	90.5	98.2	85.16	85.55	88.24	84.25	89.11
90.51	95.3	83.23	92.84	85.65	71.35	87.1	91.57	82.63	93.83	90.42	72.98	95.09	86.69	79.95	86.01	90.19	92.42	97.95	97.51	79.34	81.12	92.31	83.2	86.06	90.5	98.31	85.19	85.57	88.25	84.25	89.12
90.53	95.34	83.26	92.86	85.69	71.5	87.11	91.57	82.7	93.83	90.42	73.07	95.11	86.73	79.95	86.07	90.28	92.46	97.96	97.52	79.46	81.15	92.33	83.2	86.08	90.5	98.43	85.21	85.58	88.26	84.25	89.12
90.55	95.39	83.28	92.87	85.73	71.65	87.12	91.58	82.77	93.84	90.42	73.17	95.12	86.76	79.95	86.13	90.37	92.5	97.97	97.52	79.57	81.17	92.34	83.2	86.09	90.5	98.54	85.24	85.59	88.27	84.25	89.12

F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18	F19	F20	F21	F22	F23	F24	F25	F26	F27	F28	F29	F30	F31	F32
90.57	95.44	83.31	92.89	85.77	71.8	87.13	91.58	82.83	93.84	90.43	73.26	95.14	86.8	79.95	86.19	90.46	92.54	97.98	97.52	79.69	81.2	92.35	83.2	86.1	90.5	98.65	85.27	85.6	88.28	84.25	89.12
90.59	95.49	83.33	92.91	85.81	71.95	87.14	91.59	82.9	93.85	90.43	73.36	95.16	86.84	79.95	86.25	90.55	92.59	97.99	97.52	79.81	81.22	92.36	83.2	86.11	90.5	98.76	85.29	85.62	88.29	84.25	89.13
90.62	95.54	83.36	92.93	85.86	72.11	87.16	91.59	82.97	93.85	90.44	73.45	95.18	86.88	79.95	86.31	90.64	92.63	98.01	97.53	79.93	81.25	92.38	83.2	86.13	90.5	98.88	85.32	85.63	88.31	84.25	89.13
90.41	95.09	83.1	92.78	85.57	70.74	87.07	91.56	82.4	93.84	90.41	72.51	95.01	86.5	79.96	85.78	89.77	92.27	97.91	97.5	78.87	81.12	92.31	83.26	86.04	90.5	97.86	85.07	85.5	88.21	84.26	89.1
90.43	95.14	83.11	92.8	85.68	70.89	87.08	91.58	82.51	93.88	90.42	72.53	95.02	86.5	79.98	85.86	89.79	92.33	97.92	97.5	78.99	81.23	92.38	83.32	86.08	90.5	97.98	85.09	85.5	88.22	84.28	89.1
90.44	95.18	83.11	92.83	85.8	71.03	87.1	91.59	82.61	93.91	90.43	72.54	95.03	86.5	79.99	85.95	89.8	92.4	97.93	97.5	79.1	81.35	92.44	83.38	86.11	90.5	98.09	85.11	85.5	88.23	84.29	89.11
90.45	95.22	83.11	92.85	85.91	71.18	87.11	91.61	82.72	93.95	90.45	72.56	95.04	86.5	80	86.03	89.82	92.46	97.94	97.5	79.22	81.47	92.5	83.45	86.15	90.5	98.2	85.13	85.5	88.24	84.3	89.11
90.46	95.27	83.12	92.88	86.03	71.32	87.13	91.62	82.82	93.99	90.46	72.57	95.05	86.5	80.02	86.11	89.84	92.53	97.95	97.5	79.34	81.59	92.56	83.51	86.19	90.5	98.31	85.15	85.5	88.25	84.31	89.11
90.48	95.31	83.12	92.9	86.14	71.46	87.14	91.63	82.92	94.03	90.47	72.59	95.06	86.5	80.03	86.19	89.86	92.59	97.96	97.5	79.46	81.7	92.63	83.57	86.23	90.5	98.43	85.17	85.5	88.26	84.33	89.11
90.49	95.35	83.12	92.93	86.26	71.61	87.16	91.65	83.03	94.07	90.48	72.6	95.07	86.5	80.04	86.27	89.87	92.66	97.97	97.5	79.57	81.82	92.69	83.63	86.26	90.5	98.54	85.19	85.5	88.27	84.34	89.11
90.5	95.39	83.12	92.95	86.37	71.75	87.17	91.66	83.13	94.1	90.49	72.62	95.08	86.5	80.05	86.36	89.89	92.72	97.98	97.5	79.69	81.94	92.75	83.69	86.3	90.5	98.65	85.21	85.5	88.28	84.35	89.12
90.51	95.44	83.13	92.98	86.49	71.9	87.19	91.68	83.24	94.14	90.5	72.63	95.09	86.5	80.07	86.44	89.91	92.79	97.99	97.5	79.81	82.05	92.81	83.75	86.34	90.5	98.76	85.23	85.5	88.29	84.36	89.12
90.53	95.48	83.13	93	86.61	72.04	87.21	91.69	83.34	94.18	90.52	72.65	95.1	86.5	80.08	86.52	89.93	92.86	98.01	97.5	79.93	82.17	92.88	83.82	86.38	90.5	98.88	85.25	85.5	88.31	84.38	89.12
90.44	95.1	83.1	92.82	85.52	70.76	87.06	91.63	82.4	93.86	90.41	72.59	95.02	86.51	79.97	85.77	89.75	92.26	97.91	97.51	78.87	81.13	92.29	83.26	86.02	90.5	97.86	85.08	85.51	88.21	84.25	89.1
90.47	95.14	83.1	92.88	85.58	70.92	87.07	91.72	82.51	93.91	90.41	72.68	95.04	86.52	79.98	85.83	89.76	92.31	97.92	97.51	78.99	81.26	92.32	83.32	86.05	90.5	97.97	85.1	85.52	88.22	84.25	89.1
90.51	95.19	83.1	92.95	85.65	71.08	87.08	91.8	82.61	93.97	90.42	72.77	95.05	86.53	80	85.9	89.76	92.37	97.93	97.52	79.1	81.4	92.36	83.38	86.07	90.5	98.07	85.13	85.53	88.23	84.25	89.1
90.55	95.23	83.11	93.01	85.71	71.25	87.1	91.88	82.71	94.03	90.43	72.86	95.07	86.54	80.02	85.97	89.76	92.42	97.94	97.52	79.22	81.53	92.39	83.45	86.09	90.5	98.18	85.16	85.54	88.24	84.25	89.1
90.58	95.28	83.11	93.08	85.78	71.41	87.11	91.97	82.82	94.09	90.43	72.95	95.09	86.55	80.04	86.03	89.76	92.48	97.95	97.53	79.34	81.66	92.43	83.51	86.11	90.5	98.29	85.19	85.55	88.25	84.25	89.1
90.62	95.33	83.11	93.14	85.84	71.57	87.12	92.05	82.92	94.14	90.44	73.04	95.11	86.56	80.05	86.1	89.77	92.53	97.96	97.53	79.46	81.79	92.46	83.57	86.14	90.5	98.4	85.21	85.56	88.26	84.25	89.1
90.66	95.37	83.11	93.21	85.91	71.73	87.13	92.13	83.02	94.2	90.45	73.13	95.12	86.57	80.07	86.17	89.77	92.59	97.97	97.54	79.57	81.92	92.5	83.63	86.16	90.5	98.5	85.24	85.57	88.27	84.25	89.1
90.69	95.42	83.11	93.27	85.97	71.89	87.14	92.22	83.13	94.26	90.45	73.22	95.14	86.58	80.09	86.23	89.77	92.64	97.98	97.54	79.69	82.06	92.53	83.69	86.18	90.5	98.61	85.27	85.58	88.28	84.25	89.1
90.73	95.46	83.11	93.34	86.04	72.05	87.15	92.3	83.23	94.31	90.46	73.31	95.16	86.59	80.1	86.3	89.77	92.7	97.99	97.55	79.81	82.19	92.57	83.75	86.2	90.5	98.72	85.29	85.59	88.29	84.25	89.1
90.77	95.51	83.12	93.4	86.11	72.22	87.17	92.39	83.34	94.37	90.47	73.4	95.18	86.61	80.12	86.37	89.78	92.75	98.01	97.55	79.93	82.32	92.6	83.82	86.23	90.5	98.83	85.32	85.61	88.31	84.25	89.1
90.44	95.09	83.11	92.77	85.49	70.76	87.07	91.61	82.41	93.86	90.45	72.67	95.01	86.5	80.01	85.79	89.77	92.27	97.91	97.61	78.79	81.17	92.29	83.26	86.1	90.51	97.79	85.08	85.51	88.2	84.26	89.12
90.48	95.12	83.13	92.8	85.54	70.92	87.08	91.67	82.52	93.91	90.5	72.83	95.03	86.5	80.06	85.87	89.79	92.33	97.92	97.72	78.83	81.33	92.33	83.31	86.21	90.52	97.83	85.12	85.52	88.21	84.27	89.13
90.52	95.16	83.14	92.82	85.58	71.08	87.1	91.73	82.63	93.97	90.55	73	95.04	86.5	80.12	85.96	89.8	92.4	97.94	97.83	78.87	81.5	92.36	83.37	86.31	90.53	97.87	85.15	85.52	88.21	84.27	89.15
90.56	95.19	83.15	92.84	85.63	71.25	87.12	91.79	82.74	94.02	90.59	73.16	95.06	86.5	80.18	86.04	89.82	92.46	97.95	97.95	78.91	81.66	92.4	83.42	86.41	90.54	97.91	85.18	85.53	88.21	84.28	89.16
90.6	95.23	83.17	92.86	85.67	71.41	87.13	91.85	82.86	94.08	90.64	73.33	95.07	86.5	80.24	86.13	89.84	92.53	97.96	98.06	78.95	81.83	92.44	83.48	86.52	90.55	97.95	85.22	85.54	88.22	84.29	89.18
90.63	95.26	83.18	92.89	85.72	71.57	87.15	91.91	82.97	94.13	90.69	73.49	95.09	86.5	80.29	86.21	89.86	92.59	97.97	98.17	78.99	81.99	92.48	83.53	86.62	90.56	97.99	85.25	85.55	88.22	84.3	89.2
90.67	95.3	83.19	92.91	85.76	71.73	87.17	91.97	83.08	94.19	90.74	73.66	95.1	86.5	80.35	86.3	89.87	92.66	97.98	98.28	79.03	82.16	92.51	83.59	86.72	90.57	98.03	85.28	85.55	88.22	84.3	89.21
90.71	95.33	83.2	92.93	85.81	71.89	87.18	92.03	83.19	94.24	90.79	73.82	95.12	86.5	80.41	86.38	89.89	92.72	98	98.39	79.07	82.32	92.55	83.64	86.83	90.58	98.07	85.31	85.56	88.22	84.31	89.23
90.75	95.37	83.22	92.95	85.85	72.05	87.2	92.09	83.3	94.3	90.84	73.99	95.13	86.5	80.46	86.47	89.91	92.79	98.01	98.5	79.11	82.49	92.59	83.7	86.93	90.59	98.11	85.35	85.57	88.23	84.32	89.24
90.79	95.41	83.23	92.98	85.9	72.22	87.22	92.16	83.41	94.36	90.89	74.15	95.15	86.5	80.52	86.56	89.93	92.86	98.02	98.62	79.15	82.65	92.63	83.76	87.04	90.6	98.15	85.38	85.58	88.23	84.33	89.26
90.45	95.19	83.12	92.85	85.48	70.76	87.06	91.65	82.32	93.89	90.44	72.56	95.03	86.5	80.01	85.77	89.76	92.22	98.08	97.54	78.82	81.01	92.3	83.26	86.1	90.5	97.85	85.06	85.5	88.28	84.25	89.13
90.5	95.33	83.13	92.95	85.52	70.92	87.07	91.74	82.34	93.99	90.47	72.62	95.06	86.5	80.07	85.84	89.78	92.24	98.25	97.57	78.88	81.02	92.35	83.32	86.2	90.5	97.94	85.08	85.5	88.37	84.25	89.16
90.55	95.47	83.15	93.04	85.55	71.08	87.08	91.84	82.36	94.08	90.51	72.68	95.08	86.5	80.14	85.92	89.79	92.26	98.43	97.61	78.95	81.03	92.41	83.38	86.3	90.5	98.04	85.09	85.5	88.45	84.25	89.19
90.6	95.62	83.16	93.14	85.59	71.24	87.09	91.93	82.38	94.18	90.55	72.74	95.11	86.5	80.2	85.99	89.8	92.28	98.61	97.64	79.01	81.04	92.46	83.45	86.39	90.5	98.13	85.1	85.5	88.53	84.25	89.22
90.65	95.76	83.18	93.24	85.62	71.4	87.11	92.03	82.4	94.27	90.59	72.8	95.14	86.5	80.26	86.06	89.81	92.3	98.79	97.68	79.08	81.05	92.51	83.51	86.49	90.5	98.23	85.12	8			

F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18	F19	F20	F21	F22	F23	F24	F25	F26	F27	F28	F29	F30	F31	F32
90.74	96.04	83.21	93.44	85.69	71.71	87.13	92.22	82.44	94.46	90.66	72.92	95.2	86.5	80.38	86.2	89.84	92.34	99.14	97.75	79.21	81.06	92.61	83.63	86.69	90.5	98.42	85.14	85.5	88.78	84.25	89.31
90.79	96.18	83.22	93.53	85.73	71.87	87.14	92.32	82.46	94.55	90.7	72.98	95.22	86.5	80.45	86.28	89.85	92.36	99.32	97.78	79.28	81.07	92.67	83.69	86.79	90.5	98.51	85.16	85.5	88.86	84.25	89.34
90.84	96.32	83.24	93.63	85.76	72.03	87.15	92.41	82.48	94.65	90.73	73.04	95.25	86.5	80.51	86.35	89.86	92.38	99.49	97.82	79.34	81.08	92.72	83.75	86.89	90.5	98.61	85.17	85.5	88.94	84.25	89.37
90.89	96.47	83.26	93.73	85.8	72.19	87.16	92.51	82.51	94.74	90.77	73.11	95.28	86.5	80.57	86.42	89.88	92.41	99.67	97.85	79.41	81.09	92.77	83.82	86.99	90.5	98.71	85.19	85.5	89.03	84.25	89.41
90.46	95.11	83.12	92.76	85.51	70.74	87.05	91.67	82.37	93.93	90.47	72.7	95	86.54	80.05	85.7	89.88	92.25	98.02	97.57	78.82	81.04	92.27	83.25	86.01	90.53	97.85	85.05	85.54	88.22	84.26	89.12
90.51	95.17	83.13	92.77	85.56	70.89	87.05	91.8	82.43	94.05	90.55	72.9	95.01	86.57	80.15	85.7	90	92.3	98.14	97.64	78.89	81.07	92.29	83.3	86.01	90.55	97.95	85.05	85.58	88.25	84.27	89.15
90.57	95.23	83.15	92.79	85.62	71.03	87.05	91.92	82.5	94.18	90.62	73.11	95.01	86.61	80.25	85.71	90.13	92.35	98.26	97.7	78.96	81.11	92.3	83.34	86.02	90.58	98.05	85.05	85.62	88.27	84.28	89.17
90.63	95.29	83.16	92.8	85.67	71.18	87.05	92.04	82.56	94.3	90.69	73.31	95.02	86.64	80.35	85.71	90.26	92.4	98.38	97.77	79.03	81.14	92.32	83.39	86.02	90.6	98.16	85.06	85.66	88.29	84.29	89.2
90.68	95.35	83.18	92.81	85.73	71.32	87.05	92.17	82.63	94.43	90.77	73.51	95.02	86.68	80.45	85.71	90.38	92.46	98.5	97.84	79.1	81.18	92.34	83.44	86.03	90.63	98.26	85.06	85.7	88.31	84.3	89.22
90.74	95.41	83.19	92.82	85.78	71.46	87.05	92.29	82.7	94.56	90.84	73.71	95.02	86.71	80.55	85.71	90.51	92.51	98.61	97.91	79.17	81.21	92.36	83.49	86.03	90.65	98.36	85.06	85.73	88.34	84.31	89.25
90.8	95.47	83.21	92.83	85.84	71.61	87.05	92.41	82.76	94.68	90.91	73.91	95.03	86.75	80.65	85.71	90.64	92.56	98.73	97.98	79.24	81.25	92.38	83.54	86.04	90.68	98.46	85.06	85.77	88.36	84.32	89.27
90.85	95.53	83.22	92.85	85.89	71.75	87.05	92.53	82.83	94.81	90.98	74.12	95.03	86.78	80.75	85.72	90.76	92.61	98.85	98.04	79.31	81.28	92.39	83.58	86.04	90.7	98.56	85.06	85.81	88.38	84.33	89.3
90.91	95.59	83.24	92.86	85.95	71.9	87.05	92.66	82.89	94.93	91.06	74.32	95.04	86.82	80.85	85.72	90.89	92.66	98.97	98.11	79.38	81.32	92.41	83.63	86.05	90.73	98.66	85.06	85.85	88.4	84.34	89.32
90.97	95.66	83.25	92.87	86.01	72.04	87.06	92.78	82.96	95.06	91.13	74.52	95.04	86.85	80.95	85.72	91.02	92.71	99.09	98.18	79.45	81.35	92.43	83.68	86.05	90.76	98.77	85.07	85.89	88.43	84.36	89.35
90.42	95.15	83.1	92.83	85.5	70.76	87.09	91.66	82.32	94.04	90.48	72.58	95.03	86.5	80.05	85.79	89.84	92.34	97.93	97.56	78.8	81.08	92.29	83.23	86.05	90.51	97.76	85.06	85.51	88.2	84.25	89.1
90.44	95.24	83.11	92.9	85.54	70.92	87.12	91.76	82.34	94.28	90.56	72.66	95.06	86.5	80.14	85.88	89.93	92.48	97.97	97.62	78.84	81.15	92.32	83.25	86.1	90.52	97.77	85.08	85.52	88.2	84.25	89.11
90.46	95.34	83.11	92.98	85.59	71.08	87.16	91.87	82.35	94.52	90.64	72.74	95.08	86.5	80.24	85.98	90.02	92.62	98	97.67	78.89	81.23	92.36	83.28	86.14	90.53	97.79	85.09	85.53	88.2	84.25	89.11
90.48	95.43	83.11	93.05	85.63	71.25	87.19	91.97	82.37	94.75	90.73	72.82	95.11	86.5	80.33	86.07	90.1	92.76	98.04	97.73	78.93	81.3	92.39	83.31	86.19	90.54	97.8	85.1	85.54	88.2	84.25	89.11
90.5	95.53	83.12	93.13	85.68	71.41	87.23	92.08	82.39	94.99	90.81	72.9	95.14	86.5	80.43	86.16	90.19	92.9	98.07	97.79	78.98	81.38	92.43	83.34	86.24	90.55	97.81	85.12	85.55	88.2	84.25	89.12
90.51	95.62	83.12	93.2	85.72	71.57	87.27	92.18	82.41	95.23	90.89	72.98	95.17	86.5	80.52	86.25	90.28	93.04	98.1	97.85	79.02	81.45	92.46	83.36	86.29	90.56	97.82	85.13	85.56	88.2	84.25	89.12
90.53	95.72	83.12	93.28	85.77	71.73	87.3	92.29	82.42	95.47	90.97	73.06	95.19	86.5	80.62	86.34	90.37	93.18	98.14	97.9	79.07	81.53	92.5	83.39	86.33	90.57	97.83	85.14	85.57	88.2	84.25	89.12
90.55	95.81	83.13	93.35	85.81	71.89	87.34	92.39	82.44	95.71	91.05	73.14	95.22	86.5	80.71	86.44	90.46	93.32	98.17	97.96	79.11	81.6	92.53	83.42	86.38	90.58	97.85	85.15	85.58	88.2	84.25	89.12
90.57	95.91	83.13	93.43	85.86	72.05	87.37	92.5	82.46	95.95	91.13	73.22	95.25	86.5	80.81	86.53	90.55	93.46	98.21	98.02	79.16	81.68	92.57	83.44	86.43	90.59	97.86	85.17	85.59	88.2	84.25	89.13
90.59	96.01	83.14	93.5	85.91	72.22	87.41	92.61	82.48	96.19	91.22	73.3	95.28	86.5	80.9	86.62	90.64	93.6	98.24	98.08	79.2	81.75	92.6	83.47	86.48	90.6	97.87	85.18	85.6	88.2	84.25	89.13
90.42	95.24	83.15	92.77	85.59	70.72	87.08	91.59	82.34	93.87	90.47	72.68	95.03	86.5	80.02	85.74	89.94	92.21	97.98	97.57	78.76	81.09	92.26	83.23	86.04	90.53	97.78	85.06	85.52	88.27	84.26	89.11
90.45	95.42	83.2	92.79	85.74	70.84	87.11	91.63	82.39	93.95	90.54	72.86	95.06	86.5	80.08	85.77	90.14	92.22	98.05	97.64	78.77	81.17	92.26	83.25	86.07	90.56	97.81	85.07	85.54	88.35	84.28	89.12
90.47	95.61	83.25	92.8	85.88	70.96	87.14	91.67	82.43	94.02	90.61	73.03	95.08	86.5	80.15	85.81	90.33	92.24	98.13	97.71	78.77	81.26	92.27	83.28	86.11	90.59	97.84	85.08	85.56	88.42	84.29	89.13
90.5	95.79	83.31	92.82	86.02	71.07	87.18	91.71	82.47	94.09	90.69	73.21	95.11	86.5	80.21	85.85	90.52	92.25	98.2	97.78	78.78	81.34	92.27	83.31	86.14	90.62	97.87	85.09	85.59	88.49	84.3	89.14
90.52	95.98	83.36	92.84	86.16	71.19	87.21	91.75	82.52	94.17	90.76	73.39	95.14	86.5	80.28	85.88	90.71	92.26	98.28	97.85	78.79	81.43	92.28	83.34	86.18	90.65	97.9	85.1	85.61	88.56	84.31	89.15
90.54	96.16	83.41	92.86	86.31	71.31	87.24	91.79	82.56	94.24	90.83	73.57	95.17	86.5	80.34	85.92	90.91	92.27	98.35	97.92	78.8	81.51	92.28	83.36	86.21	90.68	97.93	85.11	85.63	88.64	84.33	89.16
90.57	96.35	83.46	92.87	86.45	71.43	87.27	91.83	82.6	94.31	90.9	73.74	95.2	86.5	80.41	85.96	91.1	92.28	98.43	97.99	78.8	81.6	92.29	83.39	86.25	90.71	97.96	85.12	85.65	88.71	84.34	89.17
90.59	96.53	83.51	92.89	86.59	71.55	87.3	91.87	82.65	94.39	90.97	73.92	95.22	86.5	80.47	85.99	91.29	92.3	98.5	98.06	78.81	81.68	92.29	83.42	86.28	90.74	97.99	85.13	85.67	88.78	84.35	89.18
90.62	96.72	83.56	92.91	86.73	71.67	87.33	91.91	82.69	94.46	91.04	74.1	95.25	86.5	80.54	86.03	91.48	92.31	98.58	98.13	78.82	81.77	92.3	83.44	86.32	90.77	98.02	85.14	85.69	88.85	84.36	89.19
90.64	96.91	83.62	92.93	86.88	71.79	87.37	91.95	82.74	94.54	91.12	74.28	95.28	86.5	80.61	86.07	91.68	92.32	98.66	98.2	78.83	81.85	92.3	83.47	86.35	90.81	98.06	85.15	85.72	88.93	84.38	89.2
90.43	95.05	83.13	92.77	85.52	70.69	87.07	91.57	82.33	93.9	90.41	72.71	95	86.5	80.13	85.75	89.9	92.23	98	97.61	78.86	81.09	92.3	83.26	86.06	90.5	97.86	85.06	85.5	88.26	84.26	89.12
90.46	95.06	83.15	92.78	85.59	70.79	87.08	91.59	82.36	94.01	90.41	72.93	95	86.5	80.31	85.81	90.04	92.26	98.1	97.72	78.97	81.17	92.35	83.32	86.11	90.5	97.97	85.08	85.51	88.32	84.28	89.14
90.5	95.06	83.18	92.8	85.66	70.88	87.1	91.61	82.39	94.11	90.42	73.14	95	86.5	80.49	85.86	90.19	92.29	98.2	97.82	79.08	81.26	92.4	83.38	86.17	90.5	98.07	85.09	85.51	88.37	84.29	89.16
90.53	95.06	83.2	92.82	85.73	70.98	87.11	91.64	82.41	94.21	90.42	73.35	95	86.51	80.67	85.91	90.34	92.32	98.3	97.93	79.19	81.35	92.45	83.45	86.22							

F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18	F19	F20	F21	F22	F23	F24	F25	F26	F27	F28	F29	F30	F31	F32
90.59	95.07	83.26	92.85	85.87	71.17	87.14	91.68	82.47	94.42	90.43	73.78	95	86.51	81.03	86.02	90.63	92.38	98.49	98.15	79.41	81.52	92.55	83.57	86.33	90.5	98.4	85.14	85.52	88.55	84.33	89.21
90.62	95.07	83.28	92.87	85.94	71.26	87.16	91.7	82.5	94.52	90.44	73.99	95	86.51	81.21	86.07	90.78	92.41	98.59	98.25	79.52	81.61	92.6	83.63	86.39	90.5	98.51	85.15	85.52	88.61	84.34	89.23
90.66	95.08	83.31	92.88	86.01	71.36	87.17	91.72	82.53	94.62	90.44	74.2	95	86.51	81.39	86.12	90.92	92.44	98.69	98.36	79.63	81.69	92.65	83.69	86.44	90.5	98.61	85.17	85.52	88.66	84.35	89.25
90.69	95.08	83.33	92.9	86.08	71.45	87.19	91.74	82.56	94.73	90.45	74.41	95	86.51	81.57	86.18	91.07	92.47	98.79	98.47	79.74	81.78	92.7	83.75	86.5	90.5	98.72	85.18	85.52	88.72	84.36	89.27
90.72	95.09	83.36	92.92	86.16	71.55	87.21	91.77	82.59	94.83	90.46	74.63	95	86.52	81.76	86.23	91.22	92.51	98.89	98.58	79.85	81.87	92.75	83.82	86.55	90.5	98.83	85.2	85.53	88.78	84.38	89.29
90.42	95.11	83.16	92.77	85.49	70.71	87.09	91.6	82.45	93.92	90.46	72.65	95.11	86.5	80.03	85.74	89.89	92.2	97.92	97.6	78.77	81.09	92.31	83.22	86.17	90.53	97.86	85.07	85.59	88.3	84.25	89.11
90.43	95.16	83.21	92.8	85.54	70.82	87.13	91.65	82.6	94.03	90.52	72.79	95.22	86.5	80.1	85.77	90.04	92.21	97.94	97.69	78.79	81.17	92.38	83.25	86.34	90.55	97.97	85.09	85.68	88.41	84.26	89.12
90.45	95.22	83.27	92.82	85.58	70.93	87.17	91.69	82.74	94.15	90.58	72.94	95.32	86.5	80.18	85.81	90.18	92.21	97.95	97.79	78.8	81.26	92.44	83.27	86.51	90.58	98.08	85.1	85.77	88.51	84.26	89.12
90.47	95.28	83.32	92.84	85.63	71.04	87.21	91.74	82.89	94.27	90.64	73.08	95.43	86.5	80.25	85.84	90.32	92.21	97.97	97.89	78.82	81.35	92.5	83.29	86.67	90.6	98.19	85.12	85.86	88.61	84.27	89.13
90.49	95.33	83.38	92.86	85.67	71.14	87.25	91.79	83.04	94.39	90.71	73.23	95.54	86.5	80.33	85.88	90.47	92.21	97.99	97.99	78.84	81.44	92.56	83.32	86.84	90.63	98.3	85.14	85.95	88.72	84.27	89.14
90.5	95.39	83.43	92.89	85.71	71.25	87.29	91.84	83.19	94.5	90.77	73.38	95.65	86.5	80.41	85.92	90.61	92.22	98.01	98.08	78.86	81.52	92.63	83.34	87.01	90.65	98.41	85.16	86.04	88.82	84.27	89.15
90.52	95.45	83.49	92.91	85.76	71.36	87.33	91.89	83.33	94.62	90.83	73.52	95.76	86.5	80.48	85.95	90.75	92.22	98.03	98.18	78.87	81.61	92.69	83.36	87.18	90.68	98.52	85.18	86.13	88.92	84.28	89.15
90.54	95.5	83.54	92.93	85.8	71.47	87.37	91.93	83.48	94.74	90.89	73.67	95.86	86.5	80.56	85.99	90.89	92.22	98.05	98.28	78.89	81.7	92.75	83.39	87.35	90.7	98.63	85.19	86.22	89.02	84.28	89.16
90.55	95.56	83.6	92.95	85.85	71.58	87.41	91.98	83.63	94.85	90.95	73.81	95.97	86.5	80.63	86.02	91.04	92.22	98.06	98.37	78.91	81.78	92.81	83.41	87.52	90.73	98.74	85.21	86.31	89.13	84.29	89.17
90.57	95.62	83.66	92.98	85.89	71.69	87.45	92.03	83.78	94.97	91.01	73.96	96.08	86.5	80.71	86.06	91.18	92.23	98.08	98.47	78.93	81.87	92.88	83.44	87.69	90.76	98.86	85.23	86.4	89.23	84.29	89.18
90.5	95.09	83.12	92.75	85.52	70.78	87.07	91.57	82.33	94	90.44	72.68	95.04	86.55	80	85.74	89.86	92.26	97.92	97.56	78.8	81.12	92.3	83.21	86.03	90.53	97.77	85.15	85.61	88.32	84.27	89.12
90.61	95.12	83.14	92.75	85.59	70.97	87.1	91.59	82.37	94.19	90.47	72.86	95.07	86.6	80.05	85.78	89.96	92.32	97.94	97.62	78.84	81.25	92.34	83.23	86.06	90.56	97.8	85.24	85.72	88.44	84.29	89.14
90.71	95.16	83.15	92.75	85.66	71.15	87.12	91.61	82.4	94.39	90.51	73.03	95.11	86.65	80.1	85.82	90.07	92.38	97.96	97.68	78.89	81.37	92.39	83.24	86.09	90.58	97.82	85.34	85.83	88.55	84.3	89.16
90.82	95.19	83.17	92.75	85.73	71.33	87.14	91.63	82.43	94.58	90.54	73.21	95.14	86.7	80.16	85.86	90.18	92.44	97.98	97.74	78.93	81.49	92.43	83.26	86.12	90.61	97.84	85.44	85.94	88.67	84.32	89.18
90.92	95.23	83.19	92.75	85.8	71.52	87.17	91.65	82.46	94.78	90.58	73.39	95.18	86.75	80.21	85.9	90.28	92.5	98.01	97.8	78.98	81.61	92.48	83.27	86.15	90.64	97.86	85.54	86.05	88.79	84.34	89.21
91.02	95.26	83.21	92.75	85.87	71.7	87.19	91.67	82.5	94.98	90.61	73.57	95.21	86.8	80.26	85.94	90.39	92.56	98.03	97.86	79.02	81.74	92.53	83.29	86.18	90.67	97.89	85.63	86.16	88.91	84.36	89.23
91.13	95.3	83.22	92.75	85.94	71.88	87.21	91.69	82.53	95.17	90.65	73.74	95.25	86.85	80.31	85.98	90.5	92.62	98.05	97.92	79.07	81.86	92.57	83.3	86.21	90.69	97.91	85.73	86.27	89.03	84.37	89.25
91.23	95.33	83.24	92.75	86.01	72.07	87.24	91.71	82.56	95.37	90.68	73.92	95.28	86.9	80.36	86.02	90.6	92.68	98.07	97.98	79.11	81.98	92.62	83.32	86.24	90.72	97.93	85.83	86.38	89.14	84.39	89.27
91.34	95.37	83.26	92.75	86.08	72.25	87.26	91.73	82.59	95.56	90.72	74.1	95.32	86.95	80.41	86.06	90.71	92.74	98.09	98.04	79.16	82.1	92.66	83.33	86.27	90.75	97.95	85.92	86.49	89.26	84.41	89.29
91.44	95.41	83.28	92.75	86.16	72.44	87.29	91.75	82.63	95.76	90.76	74.28	95.35	87	80.47	86.1	90.82	92.8	98.11	98.1	79.2	82.23	92.71	83.35	86.31	90.78	97.98	86.02	86.61	89.38	84.43	89.31
90.43	95.13	83.18	92.98	85.48	70.67	87.09	91.62	82.31	93.81	90.42	72.65	95.15	86.53	79.99	85.73	89.82	92.32	98.01	97.62	78.75	81.05	92.28	83.24	86.02	90.55	97.83	85.08	85.63	88.2	84.34	89.13
90.45	95.2	83.26	93.2	85.51	70.74	87.13	91.7	82.32	93.83	90.43	72.8	95.3	86.56	80.04	85.77	89.89	92.43	98.12	97.75	78.76	81.1	92.31	83.28	86.04	90.6	97.91	85.12	85.75	88.2	84.43	89.16
90.48	95.28	83.34	93.43	85.54	70.81	87.17	91.77	82.33	93.84	90.45	72.95	95.45	86.59	80.08	85.8	89.95	92.55	98.23	97.87	78.76	81.15	92.34	83.33	86.06	90.65	97.99	85.15	85.88	88.2	84.52	89.19
90.51	95.35	83.42	93.65	85.57	70.88	87.2	91.84	82.34	93.85	90.46	73.1	95.6	86.62	80.12	85.84	90.02	92.66	98.34	97.99	78.76	81.2	92.37	83.37	86.08	90.7	98.07	85.18	86	88.2	84.61	89.22
90.53	95.43	83.51	93.88	85.6	70.96	87.24	91.92	82.35	93.87	90.48	73.25	95.75	86.65	80.17	85.87	90.09	92.78	98.44	98.12	78.77	81.25	92.4	83.41	86.1	90.75	98.15	85.22	86.13	88.21	84.7	89.25
90.56	95.5	83.59	94.1	85.63	71.03	87.28	91.99	82.36	93.88	90.49	73.4	95.9	86.67	80.21	85.9	90.16	92.89	98.55	98.24	78.77	81.3	92.43	83.45	86.12	90.8	98.23	85.25	86.26	88.21	84.79	89.27
90.59	95.58	83.67	94.33	85.66	71.1	87.32	92.06	82.37	93.89	90.51	73.55	96.05	86.7	80.25	85.94	90.22	93.01	98.66	98.36	78.77	81.35	92.46	83.49	86.14	90.85	98.31	85.28	86.38	88.21	84.88	89.3
90.61	95.65	83.75	94.55	85.69	71.17	87.36	92.13	82.38	93.91	90.52	73.7	96.2	86.73	80.29	85.97	90.29	93.12	98.77	98.48	78.77	81.4	92.49	83.54	86.16	90.9	98.39	85.31	86.51	88.21	84.97	89.33
90.64	95.73	83.83	94.78	85.72	71.24	87.4	92.21	82.39	93.92	90.54	73.85	96.35	86.76	80.34	86.01	90.36	93.24	98.88	98.61	78.78	81.45	92.52	83.58	86.18	90.95	98.47	85.35	86.63	88.21	85.06	89.36
90.67	95.81	83.91	95.01	85.75	71.31	87.44	92.28	82.4	93.94	90.55	74	96.5	86.79	80.38	86.04	90.43	93.36	98.99	98.73	78.78	81.5	92.56	83.62	86.21	91	98.55	85.38	86.76	88.21	85.16	89.39
90.53	95.26	83.12	92.75	85.51	70.66	87.07	91.67	82.39	93.93	90.47	72.53	95.12	86.53	80.04	85.82	89.75	92.32	98.08	97.54	78.79	81.06	92.25	83.21	86.07	90.5	97.81	85.05	85.53	88.26	84.25	89.11
90.65	95.47	83.14	92.75	85.57	70.72	87.08	91.8	82.48	94.06	90.55	72.55	95.25	86.56	80.13	85.93	89.75	92.44	98.26	97.58	78.84	81.11	92.25	83.22	86.13	90.5	97.86	85.06	85.55	88.32	84.25	89.13
90.78	95.68	83.16	92.75	85.63	70.78	87.1	91.92	82.57	94.19	90.62	72.58	95.37	86.59	80.21	86.05	89.75	92.57	98.44	97.61	78.88	81.17	92.25	83.22								

F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18	F19	F20	F21	F22	F23	F24	F25	F26	F27	F28	F29	F30	F31	F32
91.04	96.1	83.21	92.75	85.75	70.9	87.13	92.17	82.75	94.44	90.77	72.63	95.62	86.66	80.39	86.28	89.75	92.81	98.8	97.69	78.96	81.28	92.25	83.24	86.33	90.5	98.03	85.07	85.63	88.5	84.25	89.16
91.16	96.31	83.23	92.75	85.81	70.96	87.14	92.29	82.84	94.57	90.84	72.65	95.74	86.69	80.48	86.39	89.75	92.93	98.98	97.73	79.01	81.34	92.25	83.25	86.39	90.5	98.08	85.07	85.65	88.56	84.25	89.18
91.29	96.52	83.25	92.75	85.87	71.02	87.16	92.41	82.93	94.7	90.91	72.68	95.86	86.72	80.56	86.51	89.75	93.05	99.16	97.76	79.05	81.39	92.25	83.25	86.46	90.5	98.14	85.07	85.68	88.62	84.25	89.19
91.42	96.73	83.27	92.75	85.93	71.08	87.17	92.53	83.02	94.83	90.98	72.7	95.98	86.75	80.65	86.62	89.75	93.18	99.34	97.8	79.09	81.45	92.25	83.26	86.52	90.5	98.19	85.08	85.7	88.68	84.25	89.2
91.54	96.94	83.29	92.75	85.99	71.14	87.19	92.66	83.11	94.96	91.06	72.73	96.11	86.78	80.74	86.74	89.75	93.3	99.52	97.84	79.13	81.5	92.25	83.27	86.59	90.5	98.25	85.08	85.73	88.74	84.25	89.21
91.67	97.16	83.31	92.75	86.05	71.2	87.21	92.78	83.2	95.09	91.13	72.75	96.23	86.82	80.83	86.85	89.75	93.42	99.71	97.88	79.18	81.56	92.25	83.28	86.65	90.5	98.3	85.09	85.75	88.81	84.25	89.23
90.43	95.07	83.14	92.86	85.49	70.63	87.07	91.56	82.38	93.9	90.43	72.71	95.14	86.5	80.04	85.72	89.91	92.23	97.96	97.66	78.77	81.11	92.29	83.2	86.17	90.55	97.78	85.07	85.6	88.25	84.28	89.16
90.46	95.09	83.18	92.97	85.53	70.66	87.09	91.57	82.46	94.01	90.46	72.93	95.28	86.5	80.13	85.74	90.08	92.26	98.02	97.82	78.79	81.22	92.33	83.21	86.33	90.6	97.81	85.09	85.7	88.31	84.3	89.22
90.5	95.11	83.21	93.07	85.57	70.69	87.11	91.58	82.54	94.11	90.49	73.14	95.42	86.5	80.22	85.76	90.24	92.29	98.08	97.98	78.8	81.32	92.36	83.21	86.5	90.65	97.83	85.11	85.8	88.36	84.33	89.28
90.53	95.14	83.25	93.18	85.61	70.72	87.13	91.59	82.61	94.21	90.51	73.35	95.56	86.5	80.31	85.78	90.4	92.32	98.14	98.14	78.82	81.43	92.4	83.21	86.66	90.7	97.86	85.13	85.9	88.41	84.35	89.34
90.56	95.16	83.29	93.29	85.65	70.75	87.15	91.61	82.69	94.32	90.54	73.56	95.7	86.5	80.4	85.81	90.57	92.35	98.2	98.3	78.84	81.54	92.44	83.22	86.83	90.76	97.89	85.15	86	88.47	84.38	89.4
90.59	95.18	83.33	93.4	85.69	70.78	87.17	91.62	82.77	94.42	90.57	73.78	95.84	86.5	80.49	85.83	90.73	92.38	98.25	98.46	78.86	81.65	92.48	83.22	87	90.81	97.92	85.17	86.1	88.52	84.4	89.46
90.62	95.2	83.36	93.5	85.73	70.81	87.19	91.63	82.85	94.52	90.6	73.99	95.98	86.5	80.58	85.85	90.89	92.41	98.31	98.62	78.87	81.76	92.51	83.22	87.16	90.86	97.94	85.19	86.2	88.57	84.43	89.52
90.66	95.22	83.4	93.61	85.77	70.84	87.21	91.64	82.93	94.62	90.63	74.2	96.12	86.5	80.67	85.87	91.06	92.44	98.37	98.78	78.89	81.86	92.55	83.22	87.33	90.91	97.97	85.21	86.3	88.63	84.45	89.58
90.69	95.24	83.44	93.72	85.81	70.87	87.23	91.65	83.01	94.73	90.66	74.41	96.26	86.5	80.76	85.89	91.22	92.47	98.43	98.94	78.91	81.97	92.59	83.23	87.49	90.96	98	85.23	86.4	88.68	84.48	89.64
90.72	95.27	83.48	93.83	85.86	70.91	87.25	91.66	83.09	94.83	90.69	74.63	96.4	86.5	80.86	85.91	91.39	92.5	98.49	99.11	78.93	82.08	92.63	83.23	87.66	91.01	98.03	85.26	86.5	88.74	84.5	89.7
90.41	95.11	83.16	92.76	85.5	70.85	87.05	91.62	82.34	93.98	90.45	72.68	95.02	86.51	80.08	85.72	89.87	92.24	97.91	97.52	78.76	81.12	92.27	83.21	86.04	90.53	97.84	85.07	85.61	88.3	84.29	89.15
90.42	95.16	83.23	92.77	85.55	71.09	87.05	91.69	82.39	94.16	90.5	72.86	95.04	86.52	80.21	85.73	90	92.29	97.93	97.54	78.77	81.24	92.3	83.22	86.07	90.56	97.92	85.1	85.71	88.41	84.33	89.19



Lampiran 4 Perhitungan Euclidean Distance untuk kelas Intellegent Systems

Proses Perhitungan Data Euclidean Distance ke-1

$$\begin{aligned} (d) &= \text{SQRT}((96.55-81.5)^2+(79.95-82.85)^2+(97.1-94.15)^2+(71.25- \\ &74.15)^2+(87.9-84.95)^2+(86.25-66.5)^2+(88.7-88)^2+(86.8- \\ &82.3)^2+(85.7-85.25)^2+(97.25-97.55)^2+(92.55-88.65)^2+(79.75- \\ &85)^2+(84.25-72.95)^2+(81.7-73.65)^2+(92.25-88.25)^2+(95.5- \\ &89.5)^2+(89.75-82.65)^2+(94-81.05)^2+(97.5-90.3)^2+(90.2- \\ &84.25)^2+(95.45-96.5)^2+(86-86)^2+(86.2-86)^2+(82.45-87.7)^2+(92.75- \\ &92.75)^2+(84.55-79.3)^2+(89.35-84)^2+(97.75-91.25)^2+(93.3- \\ &93.85)^2+(87-90.5)^2+(92.76-90.65)^2+(76.58-84)^2) \\ &= 38.258 \end{aligned}$$

Proses Perhitungan Data Euclidean Distance ke-2

$$\begin{aligned} (d) &= \text{SQRT}((80.8-81.5)^2+(88.45-82.85)^2+(91.3-94.15)^2+(74.2- \\ &74.15)^2+(84.5-84.95)^2+(85.75-66.5)^2+(81.25-88)^2+(68.4- \\ &82.3)^2+(86.05-85.25)^2+(76.55-97.55)^2+(86.85-88.65)^2+(80.75- \\ &85)^2+(82.7-72.95)^2+(83.5-73.65)^2+(86.25-88.25)^2+(89.95- \\ &89.5)^2+(83.25-82.65)^2+(80.1-81.05)^2+(90.85-90.3)^2+(86.5- \\ &84.25)^2+(96.5-96.5)^2+(84.25-86)^2+(88.5-86)^2+(89.45-87.7)^2+(89- \\ &92.75)^2+(84.75-79.3)^2+(81-84)^2+(86.45-91.25)^2+(89.9- \\ &93.85)^2+(87.5-90.5)^2+(92.11-90.65)^2+(74.7-84)^2) \\ &= 38.946 \end{aligned}$$

Proses Perhitungan Data Euclidean Distance ke-3

$$\begin{aligned} (d) &= \text{SQRT}((88.8-81.5)^2+(87.55-82.85)^2+(91.4-94.15)^2+(70.25- \\ &74.15)^2+(87.5-84.95)^2+(82.7-66.5)^2+(88.95-88)^2+(90-82.3)^2+(83- \\ &85.25)^2+(92.2-97.55)^2+(96-88.65)^2+(90.7-85)^2+(83-72.95)^2+(91.5- \\ &73.65)^2+(86-88.25)^2+(84.3-89.5)^2+(83-82.65)^2+(81.25- \\ &81.05)^2+(92.32-90.3)^2+(78.75-84.25)^2+(82.8-96.5)^2+(87-86)^2+(91.7- \\ &86)^2+(93-87.7)^2+(84.25-92.75)^2+(89.55-79.3)^2+(89.75-84)^2+(83.5- \\ &91.25)^2+(86.3-93.85)^2+(91.5-90.5)^2+(89.67-90.65)^2+(89.4-84)^2) \\ &= 40.516 \end{aligned}$$

Proses Perhitungan Data Euclidean Distance ke-4

$$\begin{aligned} (d) &= \text{SQRT}((85.45-81.5)^2+(90.75-82.85)^2+(90.65-94.15)^2+(75.18- \\ &74.15)^2+(89.75-84.95)^2+(86.35-66.5)^2+(83-88)^2+(88.3-82.3)^2+(84.9- \\ &85.25)^2+(87.2-97.55)^2+(90.85-88.65)^2+(83.2-85)^2+(79.25- \\ &72.95)^2+(87.55-73.65)^2+(86-88.25)^2+(92.15-89.5)^2+(86.05- \\ &82.65)^2+(82.2-81.05)^2+(84.2-90.3)^2+(86.75-84.25)^2+(82.75- \\ &96.5)^2+(84.2-86)^2+(77.95-86)^2+(80.65-87.7)^2+(93.2-92.75)^2+(95.5- \end{aligned}$$

$$79.3)^2+(82.75-84)^2+(84.05-91.25)^2+(90.1-93.85)^2+(87-90.5)^2+(93-90.65)^2+(81.5-84)^2)$$

$$= 40.583$$

Proses Perhitungan Data Euclidean Distance ke-5

$$(d) = \text{SQRT}((86.5-81.5)^2+(78.75-82.85)^2+(91.85-94.15)^2+(84.63-74.15)^2+(74.85-84.95)^2+(63-66.5)^2+(88.95-88)^2+(79.5-82.3)^2+(87.45-85.25)^2+(87.55-97.55)^2+(91.5-88.65)^2+(91.5-85)^2+(94-72.95)^2+(89.7-73.65)^2+(85.05-88.25)^2+(89.25-89.5)^2+(85.45-82.65)^2+(88.65-81.05)^2+(89.75-90.3)^2+(86-84.25)^2+(81.6-96.5)^2+(89.6-86)^2+(90.4-86)^2+(88.75-87.7)^2+(91.45-92.75)^2+(91.75-79.3)^2+(84.75-84)^2+(91.5-91.25)^2+(88.25-93.85)^2+(87.25-90.5)^2+(88.32-90.65)^2+(79.75-84)^2)$$

$$= 41.150$$

Proses Perhitungan Data Euclidean Distance ke-6

$$(d) = \text{SQRT}((87.25-81.5)^2+(71-82.85)^2+(88.55-94.15)^2+(74.07-74.15)^2+(66.3-84.95)^2+(64.75-66.5)^2+(85.25-88)^2+(85.9-82.3)^2+(87.75-85.25)^2+(88.45-97.55)^2+(87.75-88.65)^2+(91.5-85)^2+(89.5-72.95)^2+(84.3-73.65)^2+(87.25-88.25)^2+(86.75-89.5)^2+(86.2-82.65)^2+(88.2-81.05)^2+(86.25-90.3)^2+(89.5-84.25)^2+(80.2-96.5)^2+(89.8-86)^2+(88.45-86)^2+(88.25-87.7)^2+(88.25-92.75)^2+(94.5-79.3)^2+(89-84)^2+(91.5-91.25)^2+(87.75-93.85)^2+(87.25-90.5)^2+(85.53-90.65)^2+(79-84)^2)$$

$$= 43.287$$

Proses Perhitungan Data Euclidean Distance ke-7

$$(d) = \text{SQRT}((90.45-81.5)^2+(80.5-82.85)^2+(91.75-94.15)^2+(79.25-74.15)^2+(76.6-84.95)^2+(79.2-66.5)^2+(83.55-88)^2+(86.4-82.3)^2+(83.95-85.25)^2+(77.95-97.55)^2+(88.55-88.65)^2+(87.6-85)^2+(87.05-72.95)^2+(85.7-73.65)^2+(86.5-88.25)^2+(88.35-89.5)^2+(87.05-82.65)^2+(91.8-81.05)^2+(80.05-90.3)^2+(90.55-84.25)^2+(88.3-96.5)^2+(88.7-86)^2+(96.57-86)^2+(89.25-87.7)^2+(82.5-92.75)^2+(91-79.3)^2+(93-84)^2+(94.5-91.25)^2+(87.75-93.85)^2+(88.5-90.5)^2+(91.2-90.65)^2+(80-84)^2)$$

$$= 44.558$$

Proses Perhitungan Data Euclidean Distance ke-8

$$(d) = \text{SQRT}((87.7-81.5)^2+(89.8-82.85)^2+(87.3-94.15)^2+(86.5-74.15)^2+(90.05-84.95)^2+(81.15-66.5)^2+(88.15-88)^2+(85.5-82.3)^2+(88.45-85.25)^2+(86.9-97.55)^2+(94.75-88.65)^2+(92.2-85)^2+(72-72.95)^2+(95.7-73.65)^2+(84.95-88.25)^2+(80.5-89.5)^2+(88.5-$$

$$82.65)^2+(87.45-81.05)^2+(86.78-90.3)^2+(89.7-84.25)^2+(81.05-96.5)^2+(80.75-86)^2+(87.25-86)^2+(87.6-87.7)^2+(95.75-92.75)^2+(87.15-79.3)^2+(97-84)^2+(85.5-91.25)^2+(87.26-93.85)^2+(88.45-90.5)^2+(92.83-90.65)^2+(78.7-84)^2$$

$$= 45.465$$

Proses Perhitungan Data Euclidean Distance ke-9

$$(d) = \text{SQRT}((90.6-81.5)^2+(83.2-82.85)^2+(92.95-94.15)^2+(75.71-74.15)^2+(71.25-84.95)^2+(81.75-66.5)^2+(87.4-88)^2+(91.25-82.3)^2+(81.6-85.25)^2+(91.7-97.55)^2+(96.6-88.65)^2+(92.95-85)^2+(95.5-72.95)^2+(83.25-73.65)^2+(82.5-88.25)^2+(84.25-89.5)^2+(83-82.65)^2+(79.75-81.05)^2+(84.07-90.3)^2+(87.3-84.25)^2+(84.9-96.5)^2+(88.75-86)^2+(92.2-86)^2+(94-87.7)^2+(82.75-92.75)^2+(88.75-79.3)^2+(91.5-84)^2+(89.55-91.25)^2+(86.35-93.85)^2+(93.6-90.5)^2+(93.25-90.65)^2+(91.9-84)^2)$$

$$= 45.568$$

Proses Perhitungan Data Euclidean Distance ke-10

$$(d) = \text{SQRT}((79.25-81.5)^2+(89.45-82.85)^2+(87.65-94.15)^2+(88.15-74.15)^2+(88.4-84.95)^2+(70.7-66.5)^2+(86.6-88)^2+(82.75-82.3)^2+(87.5-85.25)^2+(79.8-97.55)^2+(91.4-88.65)^2+(91.5-85)^2+(70.95-72.95)^2+(86.85-73.65)^2+(86.4-88.25)^2+(80.3-89.5)^2+(85.75-82.65)^2+(82.2-81.05)^2+(85.73-90.3)^2+(85.45-84.25)^2+(80.65-96.5)^2+(65.75-86)^2+(87.25-86)^2+(90-87.7)^2+(92.6-92.75)^2+(88.2-79.3)^2+(97-84)^2+(85.45-91.25)^2+(82.2-93.85)^2+(89-90.5)^2+(92.83-90.65)^2+(79.6-84)^2)$$

$$= 45.828$$

Proses Perhitungan Data Euclidean Distance ke-11

$$(d) = \text{SQRT}((91.3-81.5)^2+(89.85-82.85)^2+(100-94.15)^2+(73.34-74.15)^2+(100-84.95)^2+(91-66.5)^2+(87.8-88)^2+(92.5-82.3)^2+(83.75-85.25)^2+(98.3-97.55)^2+(91.35-88.65)^2+(87-85)^2+(95.75-72.95)^2+(76.5-73.65)^2+(82.75-88.25)^2+(94.75-89.5)^2+(90.3-82.65)^2+(91.3-81.05)^2+(94.05-90.3)^2+(92.5-84.25)^2+(100-96.5)^2+(82.5-86)^2+(87.25-86)^2+(92.25-87.7)^2+(89-92.75)^2+(86.6-79.3)^2+(84.75-84)^2+(97.75-91.25)^2+(91.9-93.85)^2+(89.25-90.5)^2+(95.07-90.65)^2+(85.5-84)^2)$$

$$= 46.265$$

Proses Perhitungan Data Euclidean Distance ke-12

$$(d) = \text{SQRT}((82.3-81.5)^2+(74.95-82.85)^2+(93.9-94.15)^2+(73.59-74.15)^2+(88.5-84.95)^2+(77.7-66.5)^2+(83.1-88)^2+(75.15-$$

$$82.3)^2+(81.1-85.25)^2+(81.15-97.55)^2+(92.55-88.65)^2+(78.5-85)^2+(81.75-72.95)^2+(78.45-73.65)^2+(88.3-88.25)^2+(84.05-89.5)^2+(86-82.65)^2+(72.65-81.05)^2+(74.95-90.3)^2+(79.5-84.25)^2+(88.5-96.5)^2+(89.95-86)^2+(87.95-86)^2+(90.85-87.7)^2+(79.45-92.75)^2+(84.95-79.3)^2+(84.25-84)^2+(92.4-91.25)^2+(81.5-93.85)^2+(85.9-90.5)^2+(67.25-90.65)^2+(89.05-84)^2$$

$$= 46.267$$

Proses Perhitungan Data Euclidean Distance ke-13

$$(d) = \text{SQRT}((94.25-81.5)^2+(78.75-82.85)^2+(91.55-94.15)^2+(75.19-74.15)^2+(87.65-84.95)^2+(63-66.5)^2+(89.85-88)^2+(90.2-82.3)^2+(90.75-85.25)^2+(85.6-97.55)^2+(90.1-88.65)^2+(91.5-85)^2+(96-72.95)^2+(87.9-73.65)^2+(87.15-88.25)^2+(86.2-89.5)^2+(89.7-82.65)^2+(84.35-81.05)^2+(79.95-90.3)^2+(92.5-84.25)^2+(80.2-96.5)^2+(87.55-86)^2+(90.45-86)^2+(91.25-87.7)^2+(86.5-92.75)^2+(95.25-79.3)^2+(91.7-84)^2+(91.5-91.25)^2+(90.45-93.85)^2+(86.2-90.5)^2+(89.8-90.65)^2+(87.45-84)^2)$$

$$= 46.564$$

Proses Perhitungan Data Euclidean Distance ke-14

$$(d) = \text{SQRT}((80.4-81.5)^2+(71.15-82.85)^2+(90.2-94.15)^2+(78.65-74.15)^2+(78.95-84.95)^2+(78.5-66.5)^2+(87.5-88)^2+(88.4-82.3)^2+(90.25-85.25)^2+(77.15-97.55)^2+(87.65-88.65)^2+(92.2-85)^2+(75-72.95)^2+(96.4-73.65)^2+(75-88.25)^2+(81.65-89.5)^2+(88.45-82.65)^2+(94.15-81.05)^2+(97.2-90.3)^2+(87.25-84.25)^2+(85.35-96.5)^2+(89-86)^2+(84.75-86)^2+(91-87.7)^2+(87.25-92.75)^2+(87.5-79.3)^2+(87.5-84)^2+(89-91.25)^2+(92.65-93.85)^2+(91.2-90.5)^2+(92.83-90.65)^2+(80.2-84)^2)$$

$$= 46.775$$

Proses Perhitungan Data Euclidean Distance ke-15

$$(d) = \text{SQRT}((88.5-81.5)^2+(76.15-82.85)^2+(95.05-94.15)^2+(73.23-74.15)^2+(83.75-84.95)^2+(80.75-66.5)^2+(86.35-88)^2+(85.75-82.3)^2+(84.1-85.25)^2+(90.9-97.55)^2+(97.5-88.65)^2+(88.75-85)^2+(82.5-72.95)^2+(85-73.65)^2+(82.5-88.25)^2+(87.1-89.5)^2+(83.7-82.65)^2+(85.05-81.05)^2+(78.57-90.3)^2+(70.7-84.25)^2+(80.05-96.5)^2+(85.25-86)^2+(88.9-86)^2+(92-87.7)^2+(78.65-92.75)^2+(88.25-79.3)^2+(88.5-84)^2+(82.3-91.25)^2+(76.15-93.85)^2+(92.6-90.5)^2+(79.21-90.65)^2+(89.65-84)^2)$$

$$= 46.985$$

Proses Perhitungan Data Euclidean Distance ke-16

$$(d) = \text{SQRT}((79.9-81.5)^2+(84.25-82.85)^2+(93.6-94.15)^2+(77.11-74.15)^2+(91.2-84.95)^2+(77.65-66.5)^2+(85.6-88)^2+(83.1-82.3)^2+(87.75-85.25)^2+(79.4-97.55)^2+(83.75-88.65)^2+(81.75-85)^2+(93-72.95)^2+(96.65-73.65)^2+(95.5-88.25)^2+(86.8-89.5)^2+(85.8-82.65)^2+(84-81.05)^2+(85.65-90.3)^2+(74.85-84.25)^2+(83-96.5)^2+(84.75-86)^2+(93.5-86)^2+(85.5-87.7)^2+(80.05-92.75)^2+(82.1-79.3)^2+(86-84)^2+(94-91.25)^2+(88.3-93.85)^2+(83.2-90.5)^2+(91.83-90.65)^2+(78.38-84)^2)$$

$$= 47.072$$

Proses Perhitungan Data Euclidean Distance ke-17

$$(d) = \text{SQRT}((85.95-81.5)^2+(83.05-82.85)^2+(86.05-94.15)^2+(86.48-74.15)^2+(90.05-84.95)^2+(80.75-66.5)^2+(88.1-88)^2+(87.75-82.3)^2+(89.35-85.25)^2+(93.3-97.55)^2+(94-88.65)^2+(91.5-85)^2+(85.25-72.95)^2+(98-73.65)^2+(83.75-88.25)^2+(80.75-89.5)^2+(92-82.65)^2+(90.25-81.05)^2+(79.98-90.3)^2+(86.75-84.25)^2+(88.25-96.5)^2+(84.15-86)^2+(87.25-86)^2+(94.25-87.7)^2+(97.5-92.75)^2+(86.4-79.3)^2+(97-84)^2+(83.95-91.25)^2+(84.24-93.85)^2+(89.4-90.5)^2+(91.67-90.65)^2+(80.8-84)^2)$$

$$= 47.370$$

Proses Perhitungan Data Euclidean Distance ke-18

$$(d) = \text{SQRT}((87.8-81.5)^2+(81.75-82.85)^2+(84.25-94.15)^2+(70.6-74.15)^2+(77.8-84.95)^2+(88.55-66.5)^2+(89-88)^2+(81.45-82.3)^2+(88.2-85.25)^2+(82.75-97.55)^2+(88.35-88.65)^2+(78-85)^2+(72.25-72.95)^2+(95.5-73.65)^2+(72.33-88.25)^2+(95.9-89.5)^2+(76.95-82.65)^2+(81.75-81.05)^2+(88.7-90.3)^2+(76.3-84.25)^2+(85.2-96.5)^2+(89.75-86)^2+(80-86)^2+(85.15-87.7)^2+(89.25-92.75)^2+(69.1-79.3)^2+(81.75-84)^2+(90.95-91.25)^2+(82.95-93.85)^2+(93.2-90.5)^2+(86.25-90.65)^2+(84.55-84)^2)$$

$$= 47.853$$

Proses Perhitungan Data Euclidean Distance ke-19

$$(d) = \text{SQRT}((84.1-81.5)^2+(83.8-82.85)^2+(82.85-94.15)^2+(80.18-74.15)^2+(88.2-84.95)^2+(60.25-66.5)^2+(84.55-88)^2+(86.55-82.3)^2+(84.55-85.25)^2+(83.6-97.55)^2+(75.1-88.65)^2+(83.5-85)^2+(81.5-72.95)^2+(78.3-73.65)^2+(87.7-88.25)^2+(80.15-89.5)^2+(84.6-82.65)^2+(76.75-81.05)^2+(81.8-90.3)^2+(81.75-84.25)^2+(78.8-96.5)^2+(83.5-86)^2+(85.55-86)^2+(79.95-87.7)^2+(73.9-92.75)^2+(77.5-79.3)^2+(85.5-84)^2+(91.5-91.25)^2+(74.5-93.85)^2+(82.7-90.5)^2+(76.57-90.65)^2+(77-84)^2)$$

$$= 48.360$$

Proses Perhitungan Data Euclidean Distance ke-20

$$\begin{aligned} \text{(d)} &= \text{SQRT}((90.75-81.5)^2+(75.75-82.85)^2+(85.9-94.15)^2+(68.25- \\ &74.15)^2+(59.7-84.95)^2+(64.75-66.5)^2+(85-88)^2+(77.7-82.3)^2+(85.7- \\ &85.25)^2+(86.45-97.55)^2+(85.45-88.65)^2+(91-85)^2+(81- \\ &72.95)^2+(87.05-73.65)^2+(87.25-88.25)^2+(83.5-89.5)^2+(89.7- \\ &82.65)^2+(88.2-81.05)^2+(87.3-90.3)^2+(86.5-84.25)^2+(80.2- \\ &96.5)^2+(85.7-86)^2+(78.05-86)^2+(89-87.7)^2+(75.75-92.75)^2+(86.5- \\ &79.3)^2+(85.5-84)^2+(91.5-91.25)^2+(91-93.85)^2+(84.5-90.5)^2+(78.4- \\ &90.65)^2+(80.95-84)^2) \\ &= 48.506 \end{aligned}$$

Proses Perhitungan Data Euclidean Distance ke-21

$$\begin{aligned} \text{(d)} &= \text{SQRT}((87.2-81.5)^2+(89.25-82.85)^2+(78.75-94.15)^2+(77.97- \\ &74.15)^2+(76.5-84.95)^2+(81-66.5)^2+(87.6-88)^2+(83-82.3)^2+(93.75- \\ &85.25)^2+(82.3-97.55)^2+(95.5-88.65)^2+(87.45-85)^2+(91- \\ &72.95)^2+(95.25-73.65)^2+(91.8-88.25)^2+(89.3-89.5)^2+(86- \\ &82.65)^2+(92.7-81.05)^2+(100-90.3)^2+(82.95-84.25)^2+(89.75- \\ &96.5)^2+(91.65-86)^2+(90.8-86)^2+(85.15-87.7)^2+(81.45-92.75)^2+(86.5- \\ &79.3)^2+(87.75-84)^2+(92.65-91.25)^2+(88.2-93.85)^2+(89.4- \\ &90.5)^2+(91.4-90.65)^2+(87.15-84)^2) \\ &= 48.571 \end{aligned}$$

Proses Perhitungan Data Euclidean Distance ke-22

$$\begin{aligned} \text{(d)} &= \text{SQRT}((79.25-81.5)^2+(86.25-82.85)^2+(84.8-94.15)^2+(79.15- \\ &74.15)^2+(89.63-84.95)^2+(79-66.5)^2+(83.65-88)^2+(78.15- \\ &82.3)^2+(87.1-85.25)^2+(74.2-97.55)^2+(87.25-88.65)^2+(75.2- \\ &85)^2+(76.65-72.95)^2+(88.8-73.65)^2+(92-88.25)^2+(82.25- \\ &89.5)^2+(86.85-82.65)^2+(80.3-81.05)^2+(92.65-90.3)^2+(74.19- \\ &84.25)^2+(70.5-96.5)^2+(90.25-86)^2+(90.35-86)^2+(87.95- \\ &87.7)^2+(88.25-92.75)^2+(83.75-79.3)^2+(95-84)^2+(91.5- \\ &91.25)^2+(87.75-93.85)^2+(90.75-90.5)^2+(87.95-90.65)^2+(78.95-84)^2) \\ &= 48.672 \end{aligned}$$

Proses Perhitungan Data Euclidean Distance ke-23

$$\begin{aligned} \text{(d)} &= \text{SQRT}((81.75-81.5)^2+(63.55-82.85)^2+(90.75-94.15)^2+(80- \\ &74.15)^2+(83-84.95)^2+(64.75-66.5)^2+(87.7-88)^2+(71.55-82.3)^2+(82.5- \\ &85.25)^2+(74.85-97.55)^2+(77.85-88.65)^2+(92.2-85)^2+(64.75- \\ &72.95)^2+(90.5-73.65)^2+(83.25-88.25)^2+(78.75-89.5)^2+(88.25- \\ &82.65)^2+(80.2-81.05)^2+(84.25-90.3)^2+(83.05-84.25)^2+(82- \\ &96.5)^2+(88.5-86)^2+(86.75-86)^2+(90.7-87.7)^2+(81.25-92.75)^2+(86.75- \\ &79.3)^2+(87.5-84)^2+(89-91.25)^2+(92.25-93.85)^2+(84.8-90.5)^2+(95- \\ &90.65)^2+(73.68-84)^2) \end{aligned}$$

$$= 48.843$$

Proses Perhitungan Data Euclidean Distance ke-24

$$(d) = \text{SQRT}((93-81.5)^2+(71-82.85)^2+(88.85-94.15)^2+(78.37-74.15)^2+(70.9-84.95)^2+(61.95-66.5)^2+(86.31-88)^2+(78.4-82.3)^2+(89.7-85.25)^2+(87.55-97.55)^2+(89.45-88.65)^2+(91.5-85)^2+(91-72.95)^2+(92.2-73.65)^2+(84.65-88.25)^2+(89.25-89.5)^2+(85.45-82.65)^2+(83.45-81.05)^2+(85.75-90.3)^2+(86-84.25)^2+(81.6-96.5)^2+(85.7-86)^2+(88.45-86)^2+(88.75-87.7)^2+(75.25-92.75)^2+(92.75-79.3)^2+(91.5-84)^2+(91.5-91.25)^2+(93.25-93.85)^2+(87.25-90.5)^2+(78.5-90.65)^2+(77.3-84)^2)$$

$$= 49.131$$

Proses Perhitungan Data Euclidean Distance ke-25

$$(d) = \text{SQRT}((83.55-81.5)^2+(93.25-82.85)^2+(81.75-94.15)^2+(77.33-74.15)^2+(91.8-84.95)^2+(95.75-66.5)^2+(88.15-88)^2+(89.25-82.3)^2+(91.5-85.25)^2+(91-97.55)^2+(89-88.65)^2+(89.05-85)^2+(87.75-72.95)^2+(86.2-73.65)^2+(86.75-88.25)^2+(94.95-89.5)^2+(88.25-82.65)^2+(90.3-81.05)^2+(100-90.3)^2+(89.5-84.25)^2+(87-96.5)^2+(91-86)^2+(94.31-86)^2+(89-87.7)^2+(91.75-92.75)^2+(94.25-79.3)^2+(89.75-84)^2+(91.25-91.25)^2+(94.9-93.85)^2+(87-90.5)^2+(87.58-90.65)^2+(81.55-84)^2)$$

$$= 49.446$$

Proses Perhitungan Data Euclidean Distance ke-26

$$(d) = \text{SQRT}((80.6-81.5)^2+(90.75-82.85)^2+(87.1-94.15)^2+(76.48-74.15)^2+(86.38-84.95)^2+(93-66.5)^2+(87.5-88)^2+(82.85-82.3)^2+(89.65-85.25)^2+(91.15-97.55)^2+(89.6-88.65)^2+(92-85)^2+(69.45-72.95)^2+(78.4-73.65)^2+(84.95-88.25)^2+(85.65-89.5)^2+(75.75-82.65)^2+(82.7-81.05)^2+(70.45-90.3)^2+(92-84.25)^2+(82.9-96.5)^2+(89-86)^2+(97.7-86)^2+(83.4-87.7)^2+(82.2-92.75)^2+(98.45-79.3)^2+(89.9-84)^2+(91.5-91.25)^2+(86.7-93.85)^2+(88.85-90.5)^2+(87.3-90.65)^2+(73.05-84)^2)$$

$$= 50.454$$

Proses Perhitungan Data Euclidean Distance ke-27

$$(d) = \text{SQRT}((85.25-81.5)^2+(78.65-82.85)^2+(83.5-94.15)^2+(82.25-74.15)^2+(90.25-84.95)^2+(87.5-66.5)^2+(84.6-88)^2+(85.5-82.3)^2+(95.2-85.25)^2+(95.6-97.55)^2+(91.5-88.65)^2+(91.5-85)^2+(84.25-72.95)^2+(98-73.65)^2+(84.45-88.25)^2+(80.95-89.5)^2+(92.9-82.65)^2+(82.2-81.05)^2+(90.48-90.3)^2+(86.55-84.25)^2+(83.5-96.5)^2+(72.5-86)^2+(84.45-86)^2+(92-87.7)^2+(96.95-$$

$$92.75)^2+(89.25-79.3)^2+(97-84)^2+(94-91.25)^2+(87.1-93.85)^2+(84.45-90.5)^2+(94.5-90.65)^2+(87.5-84)^2)$$

$$= 50.490$$

Proses Perhitungan Data Euclidean Distance ke-28

$$(d) = \text{SQRT}((86.75-81.5)^2+(69.95-82.85)^2+(93.25-94.15)^2+(86.35-74.15)^2+(82.88-84.95)^2+(64.2-66.5)^2+(87.75-88)^2+(93.9-82.3)^2+(87.9-85.25)^2+(89.9-97.55)^2+(81.55-88.65)^2+(85.3-85)^2+(81.95-72.95)^2+(90.75-73.65)^2+(77.5-88.25)^2+(83.75-89.5)^2+(78.5-82.65)^2+(85.2-81.05)^2+(77-90.3)^2+(84.1-84.25)^2+(75.25-96.5)^2+(80.35-86)^2+(83.2-86)^2+(77.95-87.7)^2+(76.25-92.75)^2+(85.75-79.3)^2+(93.25-84)^2+(89.55-91.25)^2+(83.3-93.85)^2+(81.45-90.5)^2+(86.8-90.65)^2+(89.8-84)^2)$$

$$= 50.672$$

Proses Perhitungan Data Euclidean Distance ke-29

$$(d) = \text{SQRT}((82.1-81.5)^2+(84.25-82.85)^2+(89.5-94.15)^2+(73.1-74.15)^2+(91.2-84.95)^2+(74.35-66.5)^2+(85.85-88)^2+(81.55-82.3)^2+(83.95-85.25)^2+(71.65-97.55)^2+(84.25-88.65)^2+(88-85)^2+(86.5-72.95)^2+(95.9-73.65)^2+(95-88.25)^2+(85.05-89.5)^2+(85.65-82.65)^2+(81.75-81.05)^2+(82.65-90.3)^2+(71.45-84.25)^2+(83-96.5)^2+(84.75-86)^2+(93.5-86)^2+(82-87.7)^2+(80.9-92.75)^2+(86-79.3)^2+(84.75-84)^2+(97.75-91.25)^2+(78.9-93.85)^2+(89.5-90.5)^2+(88.58-90.65)^2+(76-84)^2)$$

$$= 51.001$$

Proses Perhitungan Data Euclidean Distance ke-30

$$(d) = \text{SQRT}((78.55-81.5)^2+(86.25-82.85)^2+(85.95-94.15)^2+(71.13-74.15)^2+(89.63-84.95)^2+(69-66.5)^2+(86.5-88)^2+(68.1-82.3)^2+(80.55-85.25)^2+(70.25-97.55)^2+(85-88.65)^2+(80.45-85)^2+(74.6-72.95)^2+(78.9-73.65)^2+(88.25-88.25)^2+(78-89.5)^2+(87.05-82.65)^2+(74.25-81.05)^2+(84.15-90.3)^2+(76-84.25)^2+(73.5-96.5)^2+(88.5-86)^2+(90.85-86)^2+(85.3-87.7)^2+(86.5-92.75)^2+(83.75-79.3)^2+(95-84)^2+(91.5-91.25)^2+(81-93.85)^2+(90.25-90.5)^2+(74.45-90.65)^2+(86.9-84)^2)$$

$$= 51.426$$

Proses Perhitungan Data Euclidean Distance ke-31

$$(d) = \text{SQRT}((81-81.5)^2+(78.95-82.85)^2+(95.95-94.15)^2+(75.21-74.15)^2+(79.6-84.95)^2+(87.3-66.5)^2+(85.85-88)^2+(84.05-82.3)^2+(94.5-85.25)^2+(70.3-97.55)^2+(85.9-88.65)^2+(91.5-85)^2+(73.25-72.95)^2+(90-73.65)^2+(80.25-88.25)^2+(81.5-89.5)^2+(90-$$

$$82.65)^2+(81.7-81.05)^2+(97.5-90.3)^2+(83.5-84.25)^2+(75.95-96.5)^2+(90.25-86)^2+(87.25-86)^2+(90.7-87.7)^2+(87.25-92.75)^2+(87.5-79.3)^2+(96.25-84)^2+(87.25-91.25)^2+(87.75-93.85)^2+(93.75-90.5)^2+(95-90.65)^2+(81.93-84)^2$$

$$= 51.521$$

Proses Perhitungan Data Euclidean Distance ke-32

$$(d) = \text{SQRT}((76.5-81.5)^2+(86.25-82.85)^2+(84.95-94.15)^2+(77.25-74.15)^2+(90.5-84.95)^2+(75.5-66.5)^2+(81.35-88)^2+(76.3-82.3)^2+(82.75-85.25)^2+(68.15-97.55)^2+(81.25-88.65)^2+(76.25-85)^2+(75.4-72.95)^2+(84.25-73.65)^2+(93.25-88.25)^2+(80-89.5)^2+(89.6-82.65)^2+(76.35-81.05)^2+(95.35-90.3)^2+(74.34-84.25)^2+(72.8-96.5)^2+(88.5-86)^2+(89.9-86)^2+(77.5-87.7)^2+(88.25-92.75)^2+(84.25-79.3)^2+(95-84)^2+(91.5-91.25)^2+(87.75-93.85)^2+(93.2-90.5)^2+(88.75-90.65)^2+(78.6-84)^2)$$

$$= 51.795$$

Proses Perhitungan Data Euclidean Distance ke-33

$$(d) = \text{SQRT}((85.8-81.5)^2+(94.8-82.85)^2+(87.3-94.15)^2+(82.95-74.15)^2+(91.3-84.95)^2+(76.5-66.5)^2+(87.9-88)^2+(88-82.3)^2+(93.5-85.25)^2+(79.85-97.55)^2+(94.25-88.65)^2+(91.85-85)^2+(72.5-72.95)^2+(98.75-73.65)^2+(79.25-88.25)^2+(81.25-89.5)^2+(82-82.65)^2+(78.7-81.05)^2+(87.98-90.3)^2+(83.05-84.25)^2+(78.95-96.5)^2+(72.5-86)^2+(84.45-86)^2+(81.45-87.7)^2+(97.25-92.75)^2+(86.75-79.3)^2+(96-84)^2+(75.55-91.25)^2+(86.2-93.85)^2+(89-90.5)^2+(89.17-90.65)^2+(84.05-84)^2)$$

$$= 52.641$$

Proses Perhitungan Data Euclidean Distance ke-34

$$(d) = \text{SQRT}((87.25-81.5)^2+(73-82.85)^2+(90.65-94.15)^2+(89.1-74.15)^2+(92.85-84.95)^2+(95.75-66.5)^2+(87.35-88)^2+(90-82.3)^2+(90.25-85.25)^2+(96.2-97.55)^2+(90.95-88.65)^2+(87.6-85)^2+(85-72.95)^2+(89.85-73.65)^2+(86.9-88.25)^2+(84.4-89.5)^2+(76.6-82.65)^2+(82.2-81.05)^2+(98.35-90.3)^2+(94-84.25)^2+(91.1-96.5)^2+(86.65-86)^2+(86.5-86)^2+(76.4-87.7)^2+(88.75-92.75)^2+(57.75-79.3)^2+(86.3-84)^2+(89-91.25)^2+(87.75-93.85)^2+(95.3-90.5)^2+(88.83-90.65)^2+(77.15-84)^2)$$

$$= 52.673$$

Proses Perhitungan Data Euclidean Distance ke-35

$$(d) = \text{SQRT}((87.25-81.5)^2+(71-82.85)^2+(87.85-94.15)^2+(80.36-74.15)^2+(92.5-84.95)^2+(91.8-66.5)^2+(86.95-88)^2+(80.65-$$

$$82.3)^2+(86.95-85.25)^2+(90.1-97.55)^2+(91.65-88.65)^2+(92.25-85)^2+(92.25-72.95)^2+(80.8-73.65)^2+(79.5-88.25)^2+(79.75-89.5)^2+(75.5-82.65)^2+(80.95-81.05)^2+(73.4-90.3)^2+(90.25-84.25)^2+(84.2-96.5)^2+(89.45-86)^2+(93.9-86)^2+(89.6-87.7)^2+(86.1-92.75)^2+(92.75-79.3)^2+(89.9-84)^2+(81.4-91.25)^2+(87.5-93.85)^2+(84.8-90.5)^2+(81.7-90.65)^2+(87.15-84)^2$$

$$= 52.817$$

Proses Perhitungan Data Euclidean Distance ke-36

$$(d) = \text{SQRT}((82.5-81.5)^2+(82.5-82.85)^2+(86.9-94.15)^2+(80.3-74.15)^2+(66.51-84.95)^2+(75.88-66.5)^2+(87.55-88)^2+(85.5-82.3)^2+(81.9-85.25)^2+(74.75-97.55)^2+(94.3-88.65)^2+(83-85)^2+(87.05-72.95)^2+(87.65-73.65)^2+(75.45-88.25)^2+(88.1-89.5)^2+(74.55-82.65)^2+(88.5-81.05)^2+(93.1-90.3)^2+(79.23-84.25)^2+(74-96.5)^2+(84.65-86)^2+(87.95-86)^2+(78.2-87.7)^2+(89.5-92.75)^2+(85-79.3)^2+(95-84)^2+(91.5-91.25)^2+(80.75-93.85)^2+(91.5-90.5)^2+(89.25-90.65)^2+(90.3-84)^2)$$

$$= 52.841$$

Proses Perhitungan Data Euclidean Distance ke-37

$$(d) = \text{SQRT}((82.8-81.5)^2+(58-82.85)^2+(93.55-94.15)^2+(73.95-74.15)^2+(81.95-84.95)^2+(63.75-66.5)^2+(84.6-88)^2+(77.45-82.3)^2+(89.5-85.25)^2+(69.15-97.55)^2+(86.95-88.65)^2+(91.85-85)^2+(69.75-72.95)^2+(91.9-73.65)^2+(68-88.25)^2+(82.7-89.5)^2+(87.75-82.65)^2+(83.85-81.05)^2+(82.7-90.3)^2+(85.05-84.25)^2+(80.1-96.5)^2+(87.75-86)^2+(87.75-86)^2+(90.7-87.7)^2+(89-92.75)^2+(88.5-79.3)^2+(87.5-84)^2+(89-91.25)^2+(93.3-93.85)^2+(93.75-90.5)^2+(91.5-90.65)^2+(80-84)^2)$$

$$= 53.528$$

Proses Perhitungan Data Euclidean Distance ke-38

$$(d) = \text{SQRT}((82.05-81.5)^2+(86.25-82.85)^2+(80.5-94.15)^2+(73.17-74.15)^2+(93.05-84.95)^2+(87.75-66.5)^2+(84.85-88)^2+(85.8-82.3)^2+(85.15-85.25)^2+(92.9-97.55)^2+(90.4-88.65)^2+(84.55-85)^2+(85.75-72.95)^2+(86.25-73.65)^2+(89-88.25)^2+(93.1-89.5)^2+(83.7-82.65)^2+(83.7-81.05)^2+(83.25-90.3)^2+(87.75-84.25)^2+(80.15-96.5)^2+(77.7-86)^2+(76.86-86)^2+(80.5-87.7)^2+(81.5-92.75)^2+(90.9-79.3)^2+(66.45-84)^2+(72.6-91.25)^2+(84.25-93.85)^2+(83.05-90.5)^2+(74.1-90.65)^2+(77.05-84)^2)$$

$$= 55.027$$

Proses Perhitungan Data Euclidean Distance ke-39

$$(d) = \text{SQRT}((87.95-81.5)^2+(81.1-82.85)^2+(90.7-94.15)^2+(81.8-74.15)^2+(69.05-84.95)^2+(78.95-66.5)^2+(83.45-88)^2+(86.4-82.3)^2+(83.05-85.25)^2+(72.65-97.55)^2+(90.85-88.65)^2+(89.4-85)^2+(87.05-72.95)^2+(80.65-73.65)^2+(92.5-88.25)^2+(88.6-89.5)^2+(74.15-82.65)^2+(64.15-81.05)^2+(79-90.3)^2+(77.05-84.25)^2+(80.25-96.5)^2+(88.7-86)^2+(94.74-86)^2+(87.25-87.7)^2+(78.25-92.75)^2+(90.75-79.3)^2+(79.55-84)^2+(94.35-91.25)^2+(79.17-93.85)^2+(86.3-90.5)^2+(80.75-90.65)^2+(77-84)^2)$$

$$= 55.789$$

Proses Perhitungan Data Euclidean Distance ke-40

$$(d) = \text{SQRT}((81.7-81.5)^2+(90.75-82.85)^2+(87.4-94.15)^2+(77.66-74.15)^2+(87-84.95)^2+(89.75-66.5)^2+(85.15-88)^2+(74.65-82.3)^2+(89.45-85.25)^2+(74.75-97.55)^2+(88.5-88.65)^2+(79.75-85)^2+(89.4-72.95)^2+(85.3-73.65)^2+(69.8-88.25)^2+(84.5-89.5)^2+(87.05-82.65)^2+(75.8-81.05)^2+(97.65-90.3)^2+(78.69-84.25)^2+(76.1-96.5)^2+(90.25-86)^2+(90.1-86)^2+(81.7-87.7)^2+(86.5-92.75)^2+(85.25-79.3)^2+(92.75-84)^2+(91.5-91.25)^2+(81.3-93.85)^2+(80.35-90.5)^2+(83.2-90.65)^2+(88.8-84)^2)$$

$$= 56.370$$

Proses Perhitungan Data Euclidean Distance ke-41

$$(d) = \text{SQRT}((82.5-81.5)^2+(89.5-82.85)^2+(91.75-94.15)^2+(83.45-74.15)^2+(78.82-84.95)^2+(75.88-66.5)^2+(86.35-88)^2+(81.5-82.3)^2+(82.75-85.25)^2+(61.7-97.55)^2+(95.3-88.65)^2+(93.75-85)^2+(86-72.95)^2+(76.9-73.65)^2+(82.65-88.25)^2+(83.2-89.5)^2+(69.15-82.65)^2+(79.95-81.05)^2+(90.5-90.3)^2+(70.45-84.25)^2+(83.3-96.5)^2+(89.9-86)^2+(87.7-86)^2+(68.6-87.7)^2+(87.2-92.75)^2+(80.5-79.3)^2+(95-84)^2+(91.5-91.25)^2+(85.65-93.85)^2+(96.25-90.5)^2+(86.05-90.65)^2+(76.75-84)^2)$$

$$= 56.471$$

Proses Perhitungan Data Euclidean Distance ke-42

$$(d) = \text{SQRT}((82.5-81.5)^2+(58.75-82.85)^2+(95.5-94.15)^2+(76.95-74.15)^2+(74-84.95)^2+(87.25-66.5)^2+(84.5-88)^2+(73.65-82.3)^2+(85.5-85.25)^2+(75.45-97.55)^2+(88-88.65)^2+(91.5-85)^2+(71.25-72.95)^2+(88.4-73.65)^2+(66.25-88.25)^2+(79.2-89.5)^2+(89-82.65)^2+(81.25-81.05)^2+(91.4-90.3)^2+(80.25-84.25)^2+(80.8-96.5)^2+(89-86)^2+(86.75-86)^2+(91.5-87.7)^2+(83-92.75)^2+(86.75-79.3)^2+(87.5-84)^2+(86-91.25)^2+(91.25-93.85)^2+(86.9-90.5)^2+(93.33-90.65)^2+(75.35-84)^2)$$

$$= 56.488$$

Proses Perhitungan Data Euclidean Distance ke-43

$$(d) = \text{SQRT}((76.75-81.5)^2+(86-82.85)^2+(84.6-94.15)^2+(81.83-74.15)^2+(74.5-84.95)^2+(79.95-66.5)^2+(82.75-88)^2+(84.9-82.3)^2+(76.4-85.25)^2+(84.45-97.55)^2+(84.9-88.65)^2+(89.3-85)^2+(80.75-72.95)^2+(87.45-73.65)^2+(79.7-88.25)^2+(73.85-89.5)^2+(89.8-82.65)^2+(86.5-81.05)^2+(71.15-90.3)^2+(80.15-84.25)^2+(72.7-96.5)^2+(82.8-86)^2+(88.95-86)^2+(71.55-87.7)^2+(77.8-92.75)^2+(91.4-79.3)^2+(84-84)^2+(92.4-91.25)^2+(82.35-93.85)^2+(84.4-90.5)^2+(87.75-90.65)^2+(85.25-84)^2)$$

$$= 56.746$$

Proses Perhitungan Data Euclidean Distance ke-44

$$(d) = \text{SQRT}((85.4-81.5)^2+(71-82.85)^2+(90.45-94.15)^2+(66.12-74.15)^2+(82-84.95)^2+(76.25-66.5)^2+(82.41-88)^2+(84.3-82.3)^2+(87.4-85.25)^2+(68.95-97.55)^2+(83.4-88.65)^2+(92.2-85)^2+(65-72.95)^2+(80.5-73.65)^2+(79-88.25)^2+(78-89.5)^2+(88.45-82.65)^2+(82.85-81.05)^2+(67.4-90.3)^2+(77.75-84.25)^2+(73.85-96.5)^2+(89.7-86)^2+(84.25-86)^2+(90.5-87.7)^2+(77.2-92.75)^2+(85.75-79.3)^2+(95-84)^2+(85.5-91.25)^2+(92.8-93.85)^2+(82-90.5)^2+(84.75-90.65)^2+(83.5-84)^2)$$

$$= 57.357$$

Proses Perhitungan Data Euclidean Distance ke-45

$$(d) = \text{SQRT}((83-81.5)^2+(73.32-82.85)^2+(92.63-94.15)^2+(62.64-74.15)^2+(74.59-84.95)^2+(78.2-66.5)^2+(81.5-88)^2+(60.8-82.3)^2+(80.6-85.25)^2+(81.75-97.55)^2+(80.8-88.65)^2+(76.95-85)^2+(87.95-72.95)^2+(79.7-73.65)^2+(69.48-88.25)^2+(89.5-89.5)^2+(75-82.65)^2+(74.15-81.05)^2+(91.05-90.3)^2+(75.95-84.25)^2+(80.3-96.5)^2+(84.75-86)^2+(62.7-86)^2+(85.15-87.7)^2+(89.5-92.75)^2+(71.15-79.3)^2+(81.25-84)^2+(90.45-91.25)^2+(78.55-93.85)^2+(95.75-90.5)^2+(84.5-90.65)^2+(84.55-84)^2)$$

$$= 57.984$$

Proses Perhitungan Data Euclidean Distance ke-46

$$(d) = \text{SQRT}((82.5-81.5)^2+(58.7-82.85)^2+(88-94.15)^2+(72.45-74.15)^2+(77-84.95)^2+(60.75-66.5)^2+(82-88)^2+(63.8-82.3)^2+(87.5-85.25)^2+(70.1-97.55)^2+(86.95-88.65)^2+(91.85-85)^2+(62.75-72.95)^2+(81.9-73.65)^2+(74-88.25)^2+(78.7-89.5)^2+(83.7-82.65)^2+(81.55-81.05)^2+(89.25-90.3)^2+(71.05-84.25)^2+(77.85-96.5)^2+(90.75-86)^2+(84.25-86)^2+(91.9-87.7)^2+(81.25-92.75)^2+(85-79.3)^2+(92.7-84)^2+(85.5-91.25)^2+(85.4-93.85)^2+(87.25-90.5)^2+(86.42-90.65)^2+(78.05-84)^2)$$

$$= 58.105$$

Proses Perhitungan Data Euclidean Distance ke-47

$$(d) = \text{SQRT}((84.2-81.5)^2+(83.35-82.85)^2+(86.35-94.15)^2+(82.43-74.15)^2+(89.75-84.95)^2+(79.75-66.5)^2+(85.26-88)^2+(86.75-82.3)^2+(83-85.25)^2+(78-97.55)^2+(91.4-88.65)^2+(90.8-85)^2+(72.7-72.95)^2+(91.35-73.65)^2+(77.85-88.25)^2+(79.6-89.5)^2+(73.95-82.65)^2+(79.7-81.05)^2+(82.49-90.3)^2+(88.5-84.25)^2+(81.65-96.5)^2+(64.4-86)^2+(87.25-86)^2+(86-87.7)^2+(62.5-92.75)^2+(87.5-79.3)^2+(97-84)^2+(83.6-91.25)^2+(83.6-93.85)^2+(80.9-90.5)^2+(92.92-90.65)^2+(77.45-84)^2)$$

$$= 60.117$$

Proses Perhitungan Data Euclidean Distance ke-48

$$(d) = \text{SQRT}((84.75-81.5)^2+(68-82.85)^2+(92.9-94.15)^2+(73.04-74.15)^2+(76.65-84.95)^2+(95.65-66.5)^2+(80.65-88)^2+(81.45-82.3)^2+(92.25-85.25)^2+(95.45-97.55)^2+(93.1-88.65)^2+(82.9-85)^2+(79-72.95)^2+(87.7-73.65)^2+(87.45-88.25)^2+(83.5-89.5)^2+(86.3-82.65)^2+(87.5-81.05)^2+(92.55-90.3)^2+(65.45-84.25)^2+(79.55-96.5)^2+(82.65-86)^2+(67.45-86)^2+(75.4-87.7)^2+(88.5-92.75)^2+(89.05-79.3)^2+(70.75-84)^2+(74.25-91.25)^2+(80-93.85)^2+(91.3-90.5)^2+(80.5-90.65)^2+(83.95-84)^2)$$

$$= 60.299$$

Proses Perhitungan Data Euclidean Distance ke-49

$$(d) = \text{SQRT}((77.25-81.5)^2+(90.75-82.85)^2+(83-94.15)^2+(71.54-74.15)^2+(94.38-84.95)^2+(88.5-66.5)^2+(89.4-88)^2+(69.45-82.3)^2+(81.7-85.25)^2+(69.9-97.55)^2+(87.25-88.65)^2+(83.5-85)^2+(88.35-72.95)^2+(84.25-73.65)^2+(71.03-88.25)^2+(78-89.5)^2+(91.2-82.65)^2+(76.25-81.05)^2+(92.55-90.3)^2+(80.31-84.25)^2+(74.2-96.5)^2+(89.2-86)^2+(90-86)^2+(89.4-87.7)^2+(83.5-92.75)^2+(85.75-79.3)^2+(90.25-84)^2+(91.5-91.25)^2+(79.7-93.85)^2+(66.5-90.5)^2+(81.5-90.65)^2+(89.75-84)^2)$$

$$= 64.913$$

Proses Perhitungan Data Euclidean Distance ke-50

$$(d) = \text{SQRT}((85.75-81.5)^2+(60-82.85)^2+(87.3-94.15)^2+(74.3-74.15)^2+(83.8-84.95)^2+(63-66.5)^2+(85.2-88)^2+(62-82.3)^2+(84.5-85.25)^2+(64.15-97.55)^2+(90.8-88.65)^2+(88.65-85)^2+(74-72.95)^2+(87.8-73.65)^2+(68-88.25)^2+(80.1-89.5)^2+(63.8-82.65)^2+(75.45-81.05)^2+(82.25-90.3)^2+(88.75-84.25)^2+(80.05-96.5)^2+(90.95-86)^2+(88.75-86)^2+(95.7-87.7)^2+(72.2-92.75)^2+(83.8-$$

$$79.3)^2+(88.25-84)^2+(92.4-91.25)^2+(86.95-93.85)^2+(91.85-90.5)^2+(83.55-90.65)^2+(82.75-84)^2)$$

$$= 65.240$$

Proses Perhitungan Data Euclidean Distance ke-51

$$(d) = \text{SQRT}((81.45-81.5)^2+(69.47-82.85)^2+(93.45-94.15)^2+(69.63-74.15)^2+(79.95-84.95)^2+(78.75-66.5)^2+(86.1-88)^2+(68.2-82.3)^2+(76.9-85.25)^2+(85.45-97.55)^2+(74.6-88.65)^2+(76.95-85)^2+(67.5-72.95)^2+(93.15-73.65)^2+(61.03-88.25)^2+(89.35-89.5)^2+(78.3-82.65)^2+(76.5-81.05)^2+(70.15-90.3)^2+(76-84.25)^2+(77.45-96.5)^2+(82.65-86)^2+(74.75-86)^2+(85.15-87.7)^2+(87.5-92.75)^2+(65.6-79.3)^2+(79.25-84)^2+(73.8-91.25)^2+(74.7-93.85)^2+(93.45-90.5)^2+(76.25-90.65)^2+(84.55-84)^2)$$

$$= 65.977$$

Proses Perhitungan Data Euclidean Distance ke-52

$$(d) = \text{SQRT}((76.3-81.5)^2+(82.15-82.85)^2+(75.35-94.15)^2+(69.49-74.15)^2+(88-84.95)^2+(76.3-66.5)^2+(83.4-88)^2+(80.3-82.3)^2+(80.15-85.25)^2+(60.4-97.55)^2+(80.6-88.65)^2+(81.75-85)^2+(71.35-72.95)^2+(84.15-73.65)^2+(84.25-88.25)^2+(82.3-89.5)^2+(85.5-82.65)^2+(74.95-81.05)^2+(74.75-90.3)^2+(70.25-84.25)^2+(73-96.5)^2+(82.85-86)^2+(83-86)^2+(81.95-87.7)^2+(78.7-92.75)^2+(83-79.3)^2+(70.65-84)^2+(87-91.25)^2+(69.75-93.85)^2+(91.8-90.5)^2+(83.33-90.65)^2+(90.4-84)^2)$$

$$= 66.084$$

Proses Perhitungan Data Euclidean Distance ke-53

$$(d) = \text{SQRT}((79.55-81.5)^2+(51.75-82.85)^2+(75-94.15)^2+(69.23-74.15)^2+(62.1-84.95)^2+(73-66.5)^2+(80.25-88)^2+(86.25-82.3)^2+(80.95-85.25)^2+(73.1-97.55)^2+(90.6-88.65)^2+(77.2-85)^2+(89.75-72.95)^2+(86.55-73.65)^2+(89.3-88.25)^2+(82.55-89.5)^2+(86-82.65)^2+(79.75-81.05)^2+(71-90.3)^2+(77.05-84.25)^2+(83-96.5)^2+(82.75-86)^2+(85.75-86)^2+(77.4-87.7)^2+(80.7-92.75)^2+(84.95-79.3)^2+(80.5-84)^2+(89.55-91.25)^2+(78.3-93.85)^2+(67.65-90.5)^2+(73.7-90.65)^2+(88.55-84)^2)$$

$$= 71.982$$

Proses Perhitungan Data Euclidean Distance ke-54

$$(d) = \text{SQRT}((85-81.5)^2+(79.25-82.85)^2+(82.95-94.15)^2+(70.2-74.15)^2+(90.6-84.95)^2+(85-66.5)^2+(82.1-88)^2+(84.2-82.3)^2+(87-85.25)^2+(80.35-97.55)^2+(90.5-88.65)^2+(76.75-85)^2+(74.5-72.95)^2+(88.15-73.65)^2+(81.45-88.25)^2+(91.85-89.5)^2+(82.15-$$

$$82.65)^2+(77.4-81.05)^2+(78.95-90.3)^2+(86-84.25)^2+(80.55-96.5)^2+(91.35-86)^2+(70.51-86)^2+(91.5-87.7)^2+(74.45-92.75)^2+(75.1-79.3)^2+(80.7-84)^2+(67.05-91.25)^2+(89.55-93.85)^2+(82-90.5)^2+(41.57-90.65)^2+(82.75-84)^2)$$

$$= 73.121$$

Proses Perhitungan Data Euclidean Distance ke-55

$$(d) = \text{SQRT}((80-81.5)^2+(79.1-82.85)^2+(79-94.15)^2+(67.25-74.15)^2+(85.7-84.95)^2+(62.05-66.5)^2+(82.45-88)^2+(85.15-82.3)^2+(84.35-85.25)^2+(76.2-97.55)^2+(78.1-88.65)^2+(75.35-85)^2+(84.95-72.95)^2+(91.15-73.65)^2+(82.7-88.25)^2+(81-89.5)^2+(82.7-82.65)^2+(76.2-81.05)^2+(77.7-90.3)^2+(79.45-84.25)^2+(67.1-96.5)^2+(80.2-86)^2+(86.4-86)^2+(76.85-87.7)^2+(77.1-92.75)^2+(70.04-79.3)^2+(84.5-84)^2+(68.5-91.25)^2+(58.11-93.85)^2+(82-90.5)^2+(68.95-90.65)^2+(80.8-84)^2)$$

$$= 73.943$$

Proses Perhitungan Data Euclidean Distance ke-56

$$(d) = \text{SQRT}((79.5-81.5)^2+(65-82.85)^2+(85.85-94.15)^2+(71.89-74.15)^2+(83.2-84.95)^2+(63-66.5)^2+(86.95-88)^2+(66.5-82.3)^2+(83.85-85.25)^2+(58.4-97.55)^2+(91-88.65)^2+(87.6-85)^2+(72.45-72.95)^2+(89.9-73.65)^2+(62.15-88.25)^2+(78.55-89.5)^2+(65.5-82.65)^2+(74.3-81.05)^2+(79.25-90.3)^2+(79.25-84.25)^2+(80.55-96.5)^2+(90.95-86)^2+(95.75-86)^2+(78.1-87.7)^2+(75-92.75)^2+(62.23-79.3)^2+(87.2-84)^2+(91.35-91.25)^2+(74.6-93.85)^2+(75.95-90.5)^2+(79.72-90.65)^2+(74.65-84)^2)$$

$$= 75.059$$

Proses Perhitungan Data Euclidean Distance ke-57

$$(d) = \text{SQRT}((81.45-81.5)^2+(71.65-82.85)^2+(82.15-94.15)^2+(69.11-74.15)^2+(88-84.95)^2+(67.5-66.5)^2+(82-88)^2+(86.75-82.3)^2+(75.3-85.25)^2+(69.6-97.55)^2+(73.2-88.65)^2+(74.15-85)^2+(86-72.95)^2+(83.05-73.65)^2+(90.75-88.25)^2+(78.55-89.5)^2+(87.8-82.65)^2+(70.55-81.05)^2+(77.7-90.3)^2+(79.45-84.25)^2+(67.55-96.5)^2+(76.65-86)^2+(73.65-86)^2+(79.15-87.7)^2+(85.05-92.75)^2+(83.25-79.3)^2+(93.95-84)^2+(68.5-91.25)^2+(60.92-93.85)^2+(80.95-90.5)^2+(62.5-90.65)^2+(77.95-84)^2)$$

$$= 78.410$$

Proses Perhitungan Data Euclidean Distance ke-58

$$(d) = \text{SQRT}((82.8-81.5)^2+(73.4-82.85)^2+(80.6-94.15)^2+(63.5-74.15)^2+(81.2-84.95)^2+(59.4-66.5)^2+(81.9-88)^2+(81.3-$$

$$82.3)^2+(79.55-85.25)^2+(72.3-97.55)^2+(75.65-88.65)^2+(77.45-85)^2+(84.95-72.95)^2+(89.9-73.65)^2+(78.45-88.25)^2+(81.25-89.5)^2+(81.2-82.65)^2+(76.4-81.05)^2+(77.45-90.3)^2+(72.65-84.25)^2+(57.5-96.5)^2+(78.65-86)^2+(72.6-86)^2+(70.95-87.7)^2+(77.75-92.75)^2+(69.5-79.3)^2+(93.95-84)^2+(60.6-91.25)^2+(81.05-93.85)^2+(79.9-90.5)^2+(66.95-90.65)^2+(77.15-84)^2$$

$$= 81.005$$

Proses Perhitungan Data Euclidean Distance ke-59

$$(d) = \text{SQRT}((87.3-81.5)^2+(78.95-82.85)^2+(90-94.15)^2+(79.5-74.15)^2+(77.65-84.95)^2+(75.95-66.5)^2+(81.3-88)^2+(81.65-82.3)^2+(86.35-85.25)^2+(82.25-97.55)^2+(90.25-88.65)^2+(82.2-85)^2+(87.05-72.95)^2+(79.9-73.65)^2+(86.25-88.25)^2+(89-89.5)^2+(0-82.65)^2+(87.75-81.05)^2+(80.05-90.3)^2+(81.5-84.25)^2+(93.15-96.5)^2+(80.4-86)^2+(87.58-86)^2+(82-87.7)^2+(77.75-92.75)^2+(87.25-79.3)^2+(88.45-84)^2+(86.45-91.25)^2+(79.76-93.85)^2+(87.85-90.5)^2+(84.25-90.65)^2+(84.55-84)^2)$$

$$= 91.730$$

Proses Perhitungan Data Euclidean Distance ke-60

$$(d) = \text{SQRT}((85.05-81.5)^2+(79.7-82.85)^2+(87.95-94.15)^2+(77.8-74.15)^2+(68.05-84.95)^2+(82.75-66.5)^2+(82.65-88)^2+(81.65-82.3)^2+(84-85.25)^2+(87.4-97.55)^2+(88.8-88.65)^2+(71.7-85)^2+(86-72.95)^2+(87.4-73.65)^2+(80.25-88.25)^2+(88.55-89.5)^2+(70.85-82.65)^2+(77.25-81.05)^2+(82.5-90.3)^2+(77.25-84.25)^2+(81.25-96.5)^2+(72.3-86)^2+(76.98-86)^2+(83.5-87.7)^2+(78.85-92.75)^2+(0-79.3)^2+(88.45-84)^2+(86.45-91.25)^2+(80.4-93.85)^2+(90.15-90.5)^2+(79.95-90.65)^2+(84.55-84)^2)$$

$$= 94.667$$

Proses Perhitungan Data Euclidean Distance ke-61

$$(d) = \text{SQRT}((81.5-81.5)^2+(79.4-82.85)^2+(88.95-94.15)^2+(80.15-74.15)^2+(67.7-84.95)^2+(80-66.5)^2+(84.05-88)^2+(84.15-82.3)^2+(81.8-85.25)^2+(71.1-97.55)^2+(90.35-88.65)^2+(82.6-85)^2+(86-72.95)^2+(78.95-73.65)^2+(79-88.25)^2+(87.2-89.5)^2+(0-82.65)^2+(78.3-81.05)^2+(80.05-90.3)^2+(78.8-84.25)^2+(88.75-96.5)^2+(80.95-86)^2+(82.69-86)^2+(84-87.7)^2+(75.6-92.75)^2+(80.5-79.3)^2+(88.45-84)^2+(86.45-91.25)^2+(74.37-93.85)^2+(83.8-90.5)^2+(74-90.65)^2+(84.55-84)^2)$$

$$= 98.524$$

Proses Perhitungan Data Euclidean Distance ke-62

$$(d) = \text{SQRT}((85.05-81.5)^2+(77.9-82.85)^2+(84.5-94.15)^2+(70.5-74.15)^2+(66.1-84.95)^2+(74.5-66.5)^2+(86.3-88)^2+(81.65-82.3)^2+(82.4-85.25)^2+(75.55-97.55)^2+(87.55-88.65)^2+(71.2-85)^2+(87.05-72.95)^2+(79.2-73.65)^2+(66.25-88.25)^2+(87-89.5)^2+(0-82.65)^2+(60.75-81.05)^2+(81.8-90.3)^2+(73.45-84.25)^2+(90.5-96.5)^2+(79.4-86)^2+(0-86)^2+(83.5-87.7)^2+(77.55-92.75)^2+(0-79.3)^2+(83.95-84)^2+(86.45-91.25)^2+(70.81-93.85)^2+(90.35-90.5)^2+(71.25-90.65)^2+(84.55-84)^2)$$

$$= 156.029$$

Proses Perhitungan Data Euclidean Distance ke-63

$$(d) = \text{SQRT}((87.45-81.5)^2+(0-82.85)^2+(0-94.15)^2+(0-74.15)^2+(0-84.95)^2+(0-66.5)^2+(0-88)^2+(0-82.3)^2+(0-85.25)^2+(86.35-97.55)^2+(90.25-88.65)^2+(79.2-85)^2+(84.75-72.95)^2+(92.75-73.65)^2+(87.75-88.25)^2+(88.5-89.5)^2+(89-82.65)^2+(78.3-81.05)^2+(88.2-90.3)^2+(77.3-84.25)^2+(85.25-96.5)^2+(87.1-86)^2+(82-86)^2+(93.25-87.7)^2+(89-92.75)^2+(82.2-79.3)^2+(91.5-84)^2+(88.75-91.25)^2+(93.5-93.85)^2+(84.5-90.5)^2+(87.25-90.65)^2+(87.15-84)^2)$$

$$= 236.157$$

Proses Perhitungan Data Euclidean Distance ke-64

$$(d) = \text{SQRT}((87.45-81.5)^2+(0-82.85)^2+(0-94.15)^2+(0-74.15)^2+(0-84.95)^2+(0-66.5)^2+(0-88)^2+(0-82.3)^2+(0-85.25)^2+(87.25-97.55)^2+(90.25-88.65)^2+(87.05-85)^2+(88.75-72.95)^2+(92.95-73.65)^2+(89.5-88.25)^2+(86-89.5)^2+(88.5-82.65)^2+(91.7-81.05)^2+(86-90.3)^2+(81.25-84.25)^2+(89.05-96.5)^2+(88.95-86)^2+(86.2-86)^2+(96-87.7)^2+(80.45-92.75)^2+(84-79.3)^2+(93.45-84)^2+(90.5-91.25)^2+(93.25-93.85)^2+(83.45-90.5)^2+(89.95-90.65)^2+(83.15-84)^2)$$

$$= 236.764$$

Proses Perhitungan Data Euclidean Distance ke-65

$$(d) = \text{SQRT}((87.45-81.5)^2+(0-82.85)^2+(0-94.15)^2+(0-74.15)^2+(0-84.95)^2+(0-66.5)^2+(0-88)^2+(0-82.3)^2+(0-85.25)^2+(87.4-97.55)^2+(90.25-88.65)^2+(79.05-85)^2+(89-72.95)^2+(93.5-73.65)^2+(83-88.25)^2+(89.75-89.5)^2+(88.5-82.65)^2+(78.05-81.05)^2+(81.5-90.3)^2+(78.45-84.25)^2+(84.2-96.5)^2+(86.35-86)^2+(77.2-86)^2+(90.95-87.7)^2+(84.45-92.75)^2+(82.2-79.3)^2+(90.45-84)^2+(88.75-91.25)^2+(92.8-93.85)^2+(82.25-90.5)^2+(86.4-90.65)^2+(83.9-84)^2)$$

$$= 236.880$$

Proses Perhitungan Data Euclidean Distance ke-66

$$(d) = \text{SQRT}((87.45-81.5)^2+(0-82.85)^2+(0-94.15)^2+(0-74.15)^2+(0-84.95)^2+(0-66.5)^2+(0-88)^2+(0-82.3)^2+(0-85.25)^2+(87.45-97.55)^2+(92-88.65)^2+(79.5-85)^2+(77.45-72.95)^2+(97.25-73.65)^2+(77.2-88.25)^2+(88.25-89.5)^2+(86-82.65)^2+(77.5-81.05)^2+(85-90.3)^2+(72.95-84.25)^2+(86.5-96.5)^2+(85.85-86)^2+(80-86)^2+(84.95-87.7)^2+(82.5-92.75)^2+(82.9-79.3)^2+(88-84)^2+(88.75-91.25)^2+(87.05-93.85)^2+(81.45-90.5)^2+(89-90.65)^2+(81.45-84)^2)$$

$$= 236.919$$

Proses Perhitungan Data Euclidean Distance ke-67

$$(d) = \text{SQRT}((87.45-81.5)^2+(0-82.85)^2+(0-94.15)^2+(0-74.15)^2+(0-84.95)^2+(0-66.5)^2+(0-88)^2+(0-82.3)^2+(0-85.25)^2+(89.15-97.55)^2+(90.75-88.65)^2+(86.6-85)^2+(81.45-72.95)^2+(96.25-73.65)^2+(84.2-88.25)^2+(79.9-89.5)^2+(83.25-82.65)^2+(77.1-81.05)^2+(77.25-90.3)^2+(72.05-84.25)^2+(84.2-96.5)^2+(86.65-86)^2+(83.75-86)^2+(90.75-87.7)^2+(85.7-92.75)^2+(82.95-79.3)^2+(90.25-84)^2+(86.25-91.25)^2+(92.9-93.85)^2+(91-90.5)^2+(81.45-90.65)^2+(85.4-84)^2)$$

$$= 237.004$$

Proses Perhitungan Data Euclidean Distance ke-68

$$(d) = \text{SQRT}((89.39-81.5)^2+(0-82.85)^2+(0-94.15)^2+(0-74.15)^2+(0-84.95)^2+(0-66.5)^2+(0-88)^2+(0-82.3)^2+(0-85.25)^2+(93.35-97.55)^2+(95.25-88.65)^2+(78.55-85)^2+(96-72.95)^2+(85.35-73.65)^2+(86.3-88.25)^2+(89.95-89.5)^2+(85.7-82.65)^2+(72.95-81.05)^2+(88.95-90.3)^2+(86.75-84.25)^2+(84.45-96.5)^2+(83.5-86)^2+(83.7-86)^2+(85-87.7)^2+(85.7-92.75)^2+(88.35-79.3)^2+(89.1-84)^2+(80.75-91.25)^2+(84.6-93.85)^2+(89.6-90.5)^2+(80.05-90.65)^2+(90.45-84)^2)$$

$$= 237.155$$

Proses Perhitungan Data Euclidean Distance ke-69

$$(d) = \text{SQRT}((88.79-81.5)^2+(0-82.85)^2+(0-94.15)^2+(0-74.15)^2+(0-84.95)^2+(0-66.5)^2+(0-88)^2+(0-82.3)^2+(0-85.25)^2+(93.25-97.55)^2+(92.7-88.65)^2+(90.15-85)^2+(96-72.95)^2+(89.1-73.65)^2+(86.05-88.25)^2+(92.5-89.5)^2+(91.2-82.65)^2+(81-81.05)^2+(88.05-90.3)^2+(83.15-84.25)^2+(88.85-96.5)^2+(90.1-86)^2+(82.5-86)^2+(86.6-87.7)^2+(87.55-92.75)^2+(100-79.3)^2+(86.75-84)^2+(80.75-91.25)^2+(87.75-93.85)^2+(93.5-90.5)^2+(94-90.65)^2+(91.5-84)^2)$$

$$= 237.495$$

Proses Perhitungan Data Euclidean Distance ke-70

$$(d) = \text{SQRT}((81.83-81.5)^2+(0-82.85)^2+(0-94.15)^2+(0-74.15)^2+(0-84.95)^2+(0-66.5)^2+(0-88)^2+(0-82.3)^2+(0-85.25)^2+(84.35-97.55)^2+(89-88.65)^2+(78.9-85)^2+(83-72.95)^2+(92.95-73.65)^2+(79-88.25)^2+(86.25-89.5)^2+(83.25-82.65)^2+(76.8-81.05)^2+(79.3-90.3)^2+(71.9-84.25)^2+(76.6-96.5)^2+(84.3-86)^2+(77.2-86)^2+(75.5-87.7)^2+(77.95-92.75)^2+(80.8-79.3)^2+(86.25-84)^2+(87.7-91.25)^2+(90.8-93.85)^2+(82.3-90.5)^2+(92-90.65)^2+(81.65-84)^2)$$

$$= 238.058$$

Proses Perhitungan Data Euclidean Distance ke-71

$$(d) = \text{SQRT}((82.75-81.5)^2+(0-82.85)^2+(0-94.15)^2+(0-74.15)^2+(0-84.95)^2+(0-66.5)^2+(0-88)^2+(0-82.3)^2+(0-85.25)^2+(92.15-97.55)^2+(87.5-88.65)^2+(84.25-85)^2+(90-72.95)^2+(95.7-73.65)^2+(80-88.25)^2+(84.2-89.5)^2+(78.25-82.65)^2+(87.25-81.05)^2+(80.4-90.3)^2+(65.2-84.25)^2+(82.1-96.5)^2+(83.95-86)^2+(93.7-86)^2+(89.75-87.7)^2+(79.95-92.75)^2+(87.1-79.3)^2+(73-84)^2+(89.25-91.25)^2+(90.15-93.85)^2+(83.3-90.5)^2+(89.75-90.65)^2+(84.1-84)^2)$$

$$= 238.255$$

Proses Perhitungan Data Euclidean Distance ke-72

$$(d) = \text{SQRT}((88.85-81.5)^2+(0-82.85)^2+(0-94.15)^2+(0-74.15)^2+(0-84.95)^2+(0-66.5)^2+(0-88)^2+(0-82.3)^2+(0-85.25)^2+(90.55-97.55)^2+(93.45-88.65)^2+(90.95-85)^2+(87.95-72.95)^2+(91.25-73.65)^2+(0-88.25)^2+(88.25-89.5)^2+(87.25-82.65)^2+(89-81.05)^2+(89.25-90.3)^2+(75.85-84.25)^2+(89.05-96.5)^2+(86-86)^2+(78.75-86)^2+(95.75-87.7)^2+(85.5-92.75)^2+(86.45-79.3)^2+(81.8-84)^2+(88.75-91.25)^2+(96.4-93.85)^2+(88.75-90.5)^2+(94.5-90.65)^2+(82-84)^2)$$

$$= 252.206$$

Lampiran 5 Perhitungan Teknik SMOTE pada kelas Intelligent Systems

Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-1	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {96.55, 79.95, 97.1, 71.25, 87.9, 86.25, 88.7, 86.8, 85.7, 97.25, 92.55, 79.75, 84.25, 81.7, 92.25, 95.5, 89.75, 94, 97.5, 90.2, 95.45, 86, 86.2, 82.45, 92.75, 84.55, 89.35, 97.75, 93.3, 87, 92.76, 76.58}
rand	= 0.01
(T - P)	= {15.05, 2.9, 2.95, 2.9, 2.95, 19.75, 0.7, 4.5, 0.45, 0.3, 3.9, 5.25, 11.3, 8.05, 4, 6, 7.1, 12.95, 7.2, 5.95, 1.05, 0, 0.2, 5.25, 0, 5.25, 5.35, 6.5, 0.55, 3.5, 2.11, 7.42}
rand . (T - P)	= {0.15, 0.03, 0.03, 0.03, 0.03, 0.20, 0.01, 0.05, 0.00, 0.00, 0.04, 0.05, 0.11, 0.08, 0.04, 0.06, 0.07, 0.13, 0.07, 0.06, 0.01, 0.00, 0.00, 0.05, 0.00, 0.05, 0.05, 0.07, 0.01, 0.04, 0.02, 0.07}
X_{new} = P + (rand . (T - P))	= {81.65, 82.88, 94.18, 74.18, 84.98, 66.70, 88.01, 82.35, 85.25, 97.55, 88.69, 85.05, 73.06, 73.73, 88.29, 89.56, 82.72, 81.18, 90.37, 84.31, 96.51, 86.00, 86.00, 87.75, 92.75, 79.35, 84.05, 91.32, 93.86, 90.54, 90.67, 84.07}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-2	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {96.55, 79.95, 97.1, 71.25, 87.9, 86.25, 88.7, 86.8, 85.7, 97.25, 92.55, 79.75, 84.25, 81.7, 92.25, 95.5, 89.75, 94, 97.5, 90.2, 95.45, 86, 86.2, 82.45, 92.75, 84.55, 89.35, 97.75, 93.3, 87, 92.76, 76.58}
rand	= 0.02
(T - P)	= {15.05, 2.9, 2.95, 2.9, 2.95, 19.75, 0.7, 4.5, 0.45, 0.3, 3.9, 5.25, 11.3, 8.05, 4, 6, 7.1, 12.95, 7.2, 5.95, 1.05, 0, 0.2, 5.25, 0, 5.25, 5.35, 6.5, 0.55, 3.5, 2.11, 7.42}
rand . (T - P)	= {0.30, 0.06, 0.06, 0.06, 0.06, 0.40, 0.01, 0.09, 0.01, 0.01, 0.08, 0.11, 0.23, 0.16, 0.08, 0.12, 0.14, 0.26, 0.14, 0.12, 0.02, 0.00, 0.00, 0.11, 0.00, 0.11, 0.11, 0.13, 0.01, 0.07, 0.04, 0.15}
X_{new} = P + (rand . (T - P))	= {81.80, 82.91, 94.21, 74.21, 85.01, 66.90, 88.01, 82.39, 85.26, 97.56, 88.73, 85.11, 73.18, 73.81, 88.33, 89.62, 82.79, 81.31, 90.44, 84.37, 96.52, 86.00, 86.00, 87.81, 92.75, 79.41, 84.11, 91.38, 93.86, 90.57, 90.69, 84.15}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-3	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {96.55, 79.95, 97.1, 71.25, 87.9, 86.25, 88.7, 86.8, 85.7, 97.25, 92.55, 79.75, 84.25, 81.7, 92.25, 95.5, 89.75, 94, 97.5, 90.2, 95.45, 86, 86.2, 82.45, 92.75, 84.55, 89.35, 97.75, 93.3, 87, 92.76, 76.58}
rand	= 0.03

(T - P)	=	{15.05, 2.9, 2.95, 2.9, 2.95, 19.75, 0.7, 4.5, 0.45, 0.3, 3.9, 5.25, 11.3, 8.05, 4, 6, 7.1, 12.95, 7.2, 5.95, 1.05, 0, 0.2, 5.25, 0, 5.25, 5.35, 6.5, 0.55, 3.5, 2.11, 7.42}
rand . (T - P)	=	{0.45, 0.09, 0.09, 0.09, 0.09, 0.59, 0.02, 0.14, 0.01, 0.01, 0.12, 0.16, 0.34, 0.24, 0.12, 0.18, 0.21, 0.39, 0.22, 0.18, 0.03, 0.00, 0.01, 0.16, 0.00, 0.16, 0.16, 0.20, 0.02, 0.11, 0.06, 0.22}
Xnew = P + (rand . (T - P))	=	{81.95, 82.94, 94.24, 74.24, 85.04, 67.09, 88.02, 82.44, 85.26, 97.56, 88.77, 85.16, 73.29, 73.89, 88.37, 89.68, 82.86, 81.44, 90.52, 84.43, 96.53, 86.00, 86.01, 87.86, 92.75, 79.46, 84.16, 91.45, 93.87, 90.61, 90.71, 84.22}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-4		
P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{96.55, 79.95, 97.1, 71.25, 87.9, 86.25, 88.7, 86.8, 85.7, 97.25, 92.55, 79.75, 84.25, 81.7, 92.25, 95.5, 89.75, 94, 97.5, 90.2, 95.45, 86, 86.2, 82.45, 92.75, 84.55, 89.35, 97.75, 93.3, 87, 92.76, 76.58}
rand	=	0.04
(T - P)	=	{15.05, 2.9, 2.95, 2.9, 2.95, 19.75, 0.7, 4.5, 0.45, 0.3, 3.9, 5.25, 11.3, 8.05, 4, 6, 7.1, 12.95, 7.2, 5.95, 1.05, 0, 0.2, 5.25, 0, 5.25, 5.35, 6.5, 0.55, 3.5, 2.11, 7.42}
rand . (T - P)	=	{0.60, 0.12, 0.12, 0.12, 0.12, 0.79, 0.03, 0.18, 0.02, 0.01, 0.16, 0.21, 0.45, 0.32, 0.16, 0.24, 0.28, 0.52, 0.29, 0.24, 0.04, 0.00, 0.01, 0.21, 0.00, 0.21, 0.21, 0.26, 0.02, 0.14, 0.08, 0.30}
Xnew = P + (rand . (T - P))	=	{82.10, 82.97, 94.27, 74.27, 85.07, 67.29, 88.03, 82.48, 85.27, 97.56, 88.81, 85.21, 73.40, 73.97, 88.41, 89.74, 82.93, 81.57, 90.59, 84.49, 96.54, 86.00, 86.01, 87.91, 92.75, 79.51, 84.21, 91.51, 93.87, 90.64, 90.73, 84.30}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-5		
P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{96.55, 79.95, 97.1, 71.25, 87.9, 86.25, 88.7, 86.8, 85.7, 97.25, 92.55, 79.75, 84.25, 81.7, 92.25, 95.5, 89.75, 94, 97.5, 90.2, 95.45, 86, 86.2, 82.45, 92.75, 84.55, 89.35, 97.75, 93.3, 87, 92.76, 76.58}
rand	=	0.05
(T - P)	=	{15.05, 2.9, 2.95, 2.9, 2.95, 19.75, 0.7, 4.5, 0.45, 0.3, 3.9, 5.25, 11.3, 8.05, 4, 6, 7.1, 12.95, 7.2, 5.95, 1.05, 0, 0.2, 5.25, 0, 5.25, 5.35, 6.5, 0.55, 3.5, 2.11, 7.42}
rand . (T - P)	=	{0.75, 0.15, 0.15, 0.15, 0.15, 0.99, 0.04, 0.23, 0.02, 0.02, 0.20, 0.26, 0.57, 0.40, 0.20, 0.30, 0.36, 0.65, 0.36, 0.30, 0.05, 0.00, 0.01, 0.26, 0.00, 0.26, 0.27, 0.33, 0.03, 0.18, 0.11, 0.37}
Xnew = P + (rand . (T - P))	=	{82.25, 83.00, 94.30, 74.30, 85.10, 67.49, 88.04, 82.53, 85.27, 97.57, 88.85, 85.26, 73.52, 74.05, 88.45, 89.80, 83.01, 81.70, 90.66, 84.55, 96.55, 86.00, 86.01, 87.96, 92.75, 79.56, 84.27, 91.58, 93.88, 90.68, 90.76, 84.37}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-6		

P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{96.55, 79.95, 97.1, 71.25, 87.9, 86.25, 88.7, 86.8, 85.7, 97.25, 92.55, 79.75, 84.25, 81.7, 92.25, 95.5, 89.75, 94, 97.5, 90.2, 95.45, 86, 86.2, 82.45, 92.75, 84.55, 89.35, 97.75, 93.3, 87, 92.76, 76.58}
rand	=	0.06
(T - P)	=	{15.05, 2.9, 2.95, 2.9, 2.95, 19.75, 0.7, 4.5, 0.45, 0.3, 3.9, 5.25, 11.3, 8.05, 4, 6, 7.1, 12.95, 7.2, 5.95, 1.05, 0, 0.2, 5.25, 0, 5.25, 5.35, 6.5, 0.55, 3.5, 2.11, 7.42}
rand . (T - P)	=	{0.90, 0.17, 0.18, 0.17, 0.18, 1.19, 0.04, 0.27, 0.03, 0.02, 0.23, 0.32, 0.68, 0.48, 0.24, 0.36, 0.43, 0.78, 0.43, 0.36, 0.06, 0.00, 0.01, 0.32, 0.00, 0.32, 0.32, 0.39, 0.03, 0.21, 0.13, 0.45}
Xnew = P + (rand . (T - P))	=	{82.40, 83.02, 94.33, 74.32, 85.13, 67.69, 88.04, 82.57, 85.28, 97.57, 88.88, 85.32, 73.63, 74.13, 88.49, 89.86, 83.08, 81.83, 90.73, 84.61, 96.56, 86.00, 86.01, 88.02, 92.75, 79.62, 84.32, 91.64, 93.88, 90.71, 90.78, 84.45}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-7		
P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{96.55, 79.95, 97.1, 71.25, 87.9, 86.25, 88.7, 86.8, 85.7, 97.25, 92.55, 79.75, 84.25, 81.7, 92.25, 95.5, 89.75, 94, 97.5, 90.2, 95.45, 86, 86.2, 82.45, 92.75, 84.55, 89.35, 97.75, 93.3, 87, 92.76, 76.58}
rand	=	0.07
(T - P)	=	{15.05, 2.9, 2.95, 2.9, 2.95, 19.75, 0.7, 4.5, 0.45, 0.3, 3.9, 5.25, 11.3, 8.05, 4, 6, 7.1, 12.95, 7.2, 5.95, 1.05, 0, 0.2, 5.25, 0, 5.25, 5.35, 6.5, 0.55, 3.5, 2.11, 7.42}
rand . (T - P)	=	{1.05, 0.20, 0.21, 0.20, 0.21, 1.38, 0.05, 0.32, 0.03, 0.02, 0.27, 0.37, 0.79, 0.56, 0.28, 0.42, 0.50, 0.91, 0.50, 0.42, 0.07, 0.00, 0.01, 0.37, 0.00, 0.37, 0.37, 0.46, 0.04, 0.25, 0.15, 0.52}
Xnew = P + (rand . (T - P))	=	{82.55, 83.05, 94.36, 74.35, 85.16, 67.88, 88.05, 82.62, 85.28, 97.57, 88.92, 85.37, 73.74, 74.21, 88.53, 89.92, 83.15, 81.96, 90.80, 84.67, 96.57, 86.00, 86.01, 88.07, 92.75, 79.67, 84.37, 91.71, 93.89, 90.75, 90.80, 84.52}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-8		
P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{96.55, 79.95, 97.1, 71.25, 87.9, 86.25, 88.7, 86.8, 85.7, 97.25, 92.55, 79.75, 84.25, 81.7, 92.25, 95.5, 89.75, 94, 97.5, 90.2, 95.45, 86, 86.2, 82.45, 92.75, 84.55, 89.35, 97.75, 93.3, 87, 92.76, 76.58}
rand	=	0.08
(T - P)	=	{15.05, 2.9, 2.95, 2.9, 2.95, 19.75, 0.7, 4.5, 0.45, 0.3, 3.9, 5.25, 11.3, 8.05, 4, 6, 7.1, 12.95, 7.2, 5.95, 1.05, 0, 0.2, 5.25, 0, 5.25, 5.35, 6.5, 0.55, 3.5, 2.11, 7.42}

rand . (T - P)	= {1.20, 0.23, 0.24, 0.23, 0.24, 1.58, 0.06, 0.36, 0.04, 0.02, 0.31, 0.42, 0.90, 0.64, 0.32, 0.48, 0.57, 1.04, 0.58, 0.48, 0.08, 0.00, 0.02, 0.42, 0.00, 0.42, 0.43, 0.52, 0.04, 0.28, 0.17, 0.59}
Xnew = P + (rand . (T - P))	= {82.70, 83.08, 94.39, 74.38, 85.19, 68.08, 88.06, 82.66, 85.29, 97.57, 88.96, 85.42, 73.85, 74.29, 88.57, 89.98, 83.22, 82.09, 90.88, 84.73, 96.58, 86.00, 86.02, 88.12, 92.75, 79.72, 84.43, 91.77, 93.89, 90.78, 90.82, 84.59}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-9	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {96.55, 79.95, 97.1, 71.25, 87.9, 86.25, 88.7, 86.8, 85.7, 97.25, 92.55, 79.75, 84.25, 81.7, 92.25, 95.5, 89.75, 94, 97.5, 90.2, 95.45, 86, 86.2, 82.45, 92.75, 84.55, 89.35, 97.75, 93.3, 87, 92.76, 76.58}
rand	= 0.09
(T - P)	= {15.05, 2.9, 2.95, 2.9, 2.95, 19.75, 0.7, 4.5, 0.45, 0.3, 3.9, 5.25, 11.3, 8.05, 4, 6, 7.1, 12.95, 7.2, 5.95, 1.05, 0, 0.2, 5.25, 0, 5.25, 5.35, 6.5, 0.55, 3.5, 2.11, 7.42}
rand . (T - P)	= {1.35, 0.26, 0.27, 0.26, 0.27, 1.78, 0.06, 0.41, 0.04, 0.03, 0.35, 0.47, 1.02, 0.72, 0.36, 0.54, 0.64, 1.17, 0.65, 0.54, 0.09, 0.00, 0.02, 0.47, 0.00, 0.47, 0.48, 0.59, 0.05, 0.32, 0.19, 0.67}
Xnew = P + (rand . (T - P))	= {82.85, 83.11, 94.42, 74.41, 85.22, 68.28, 88.06, 82.71, 85.29, 97.58, 89.00, 85.47, 73.97, 74.37, 88.61, 90.04, 83.29, 82.22, 90.95, 84.79, 96.59, 86.00, 86.02, 88.17, 92.75, 79.77, 84.48, 91.84, 93.90, 90.82, 90.84, 84.67}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-10	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {96.55, 79.95, 97.1, 71.25, 87.9, 86.25, 88.7, 86.8, 85.7, 97.25, 92.55, 79.75, 84.25, 81.7, 92.25, 95.5, 89.75, 94, 97.5, 90.2, 95.45, 86, 86.2, 82.45, 92.75, 84.55, 89.35, 97.75, 93.3, 87, 92.76, 76.58}
rand	= 0.1
(T - P)	= {15.05, 2.9, 2.95, 2.9, 2.95, 19.75, 0.7, 4.5, 0.45, 0.3, 3.9, 5.25, 11.3, 8.05, 4, 6, 7.1, 12.95, 7.2, 5.95, 1.05, 0, 0.2, 5.25, 0, 5.25, 5.35, 6.5, 0.55, 3.5, 2.11, 7.42}
rand . (T - P)	= {1.51, 0.29, 0.30, 0.29, 0.30, 1.98, 0.07, 0.45, 0.05, 0.03, 0.39, 0.53, 1.13, 0.81, 0.40, 0.60, 0.71, 1.30, 0.72, 0.60, 0.11, 0.00, 0.02, 0.53, 0.00, 0.53, 0.54, 0.65, 0.06, 0.35, 0.21, 0.74}
Xnew = P + (rand . (T - P))	= {83.01, 83.14, 94.45, 74.44, 85.25, 68.48, 88.07, 82.75, 85.30, 97.58, 89.04, 85.53, 74.08, 74.46, 88.65, 90.10, 83.36, 82.35, 91.02, 84.85, 96.61, 86.00, 86.02, 88.23, 92.75, 79.83, 84.54, 91.90, 93.91, 90.85, 90.86, 84.74}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-11	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}

T(tetangga acuan)	=	{80.8, 88.45, 91.3, 74.2, 84.5, 85.75, 81.25, 68.4, 86.05, 76.55, 86.85, 80.75, 82.7, 83.5, 86.25, 89.95, 83.25, 80.1, 90.85, 86.5, 96.5, 84.25, 88.5, 89.45, 89, 84.75, 81, 86.45, 89.9, 87.5, 92.11, 74.7}
rand	=	0.01
(T - P)	=	{0.7, 5.6, 2.85, 0.05, 0.45, 19.25, 6.75, 13.9, 0.8, 21, 1.8, 4.25, 9.75, 9.85, 2, 0.45, 0.6, 0.95, 0.55, 2.25, 0, 1.75, 2.5, 1.75, 3.75, 5.45, 3, 4.8, 3.95, 3, 1.46, 9.3}
rand . (T - P)	=	{0.01, 0.06, 0.03, 0.00, 0.00, 0.19, 0.07, 0.14, 0.01, 0.21, 0.02, 0.04, 0.10, 0.10, 0.02, 0.00, 0.01, 0.01, 0.01, 0.02, 0.00, 0.02, 0.03, 0.02, 0.04, 0.05, 0.03, 0.05, 0.04, 0.03, 0.01, 0.09}
Xnew = P + (rand . (T - P))	=	{81.51, 82.91, 94.18, 74.15, 84.95, 66.69, 88.07, 82.44, 85.26, 97.76, 88.67, 85.04, 73.05, 73.75, 88.27, 89.50, 82.66, 81.06, 90.31, 84.27, 96.50, 86.02, 86.03, 87.72, 92.79, 79.35, 84.03, 91.30, 93.89, 90.53, 90.66, 84.09}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-12		
P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{80.8, 88.45, 91.3, 74.2, 84.5, 85.75, 81.25, 68.4, 86.05, 76.55, 86.85, 80.75, 82.7, 83.5, 86.25, 89.95, 83.25, 80.1, 90.85, 86.5, 96.5, 84.25, 88.5, 89.45, 89, 84.75, 81, 86.45, 89.9, 87.5, 92.11, 74.7}
rand	=	0.02
(T - P)	=	{0.7, 5.6, 2.85, 0.05, 0.45, 19.25, 6.75, 13.9, 0.8, 21, 1.8, 4.25, 9.75, 9.85, 2, 0.45, 0.6, 0.95, 0.55, 2.25, 0, 1.75, 2.5, 1.75, 3.75, 5.45, 3, 4.8, 3.95, 3, 1.46, 9.3}
rand . (T - P)	=	{0.01, 0.11, 0.06, 0.00, 0.01, 0.39, 0.14, 0.28, 0.02, 0.42, 0.04, 0.09, 0.20, 0.20, 0.04, 0.01, 0.01, 0.02, 0.01, 0.05, 0.00, 0.04, 0.05, 0.04, 0.08, 0.11, 0.06, 0.10, 0.08, 0.06, 0.03, 0.19}
Xnew = P + (rand . (T - P))	=	{81.51, 82.96, 94.21, 74.15, 84.96, 66.89, 88.14, 82.58, 85.27, 97.97, 88.69, 85.09, 73.15, 73.85, 88.29, 89.51, 82.66, 81.07, 90.31, 84.30, 96.50, 86.04, 86.05, 87.74, 92.83, 79.41, 84.06, 91.35, 93.93, 90.56, 90.68, 84.19}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-13		
P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{80.8, 88.45, 91.3, 74.2, 84.5, 85.75, 81.25, 68.4, 86.05, 76.55, 86.85, 80.75, 82.7, 83.5, 86.25, 89.95, 83.25, 80.1, 90.85, 86.5, 96.5, 84.25, 88.5, 89.45, 89, 84.75, 81, 86.45, 89.9, 87.5, 92.11, 74.7}
rand	=	0.03
(T - P)	=	{0.7, 5.6, 2.85, 0.05, 0.45, 19.25, 6.75, 13.9, 0.8, 21, 1.8, 4.25, 9.75, 9.85, 2, 0.45, 0.6, 0.95, 0.55, 2.25, 0, 1.75, 2.5, 1.75, 3.75, 5.45, 3, 4.8, 3.95, 3, 1.46, 9.3}
rand . (T - P)	=	{0.02, 0.17, 0.09, 0.00, 0.01, 0.58, 0.20, 0.42, 0.02, 0.63, 0.05, 0.13, 0.29, 0.30, 0.06, 0.01, 0.02, 0.03, 0.02, 0.07, 0.00, 0.05, 0.08, 0.05, 0.11, 0.16, 0.09, 0.14, 0.12, 0.09, 0.04, 0.28}

X_{new} = P + (rand . (T - P))	= {81.52, 83.02, 94.24, 74.15, 84.96, 67.08, 88.20, 82.72, 85.27, 98.18, 88.70, 85.13, 73.24, 73.95, 88.31, 89.51, 82.67, 81.08, 90.32, 84.32, 96.50, 86.05, 86.08, 87.75, 92.86, 79.46, 84.09, 91.39, 93.97, 90.59, 90.69, 84.28}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-14	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {80.8, 88.45, 91.3, 74.2, 84.5, 85.75, 81.25, 68.4, 86.05, 76.55, 86.85, 80.75, 82.7, 83.5, 86.25, 89.95, 83.25, 80.1, 90.85, 86.5, 96.5, 84.25, 88.5, 89.45, 89, 84.75, 81, 86.45, 89.9, 87.5, 92.11, 74.7}
rand	= 0.04
(T - P)	= {0.7, 5.6, 2.85, 0.05, 0.45, 19.25, 6.75, 13.9, 0.8, 21, 1.8, 4.25, 9.75, 9.85, 2, 0.45, 0.6, 0.95, 0.55, 2.25, 0, 1.75, 2.5, 1.75, 3.75, 5.45, 3, 4.8, 3.95, 3, 1.46, 9.3}
rand . (T - P)	= {0.03, 0.22, 0.11, 0.00, 0.02, 0.77, 0.27, 0.56, 0.03, 0.84, 0.07, 0.17, 0.39, 0.39, 0.08, 0.02, 0.02, 0.04, 0.02, 0.09, 0.00, 0.07, 0.10, 0.07, 0.15, 0.22, 0.12, 0.19, 0.16, 0.12, 0.06, 0.37}
X_{new} = P + (rand . (T - P))	= {81.53, 83.07, 94.26, 74.15, 84.97, 67.27, 88.27, 82.86, 85.28, 98.39, 88.72, 85.17, 73.34, 74.04, 88.33, 89.52, 82.67, 81.09, 90.32, 84.34, 96.50, 86.07, 86.10, 87.77, 92.90, 79.52, 84.12, 91.44, 94.01, 90.62, 90.71, 84.37}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-15	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {80.8, 88.45, 91.3, 74.2, 84.5, 85.75, 81.25, 68.4, 86.05, 76.55, 86.85, 80.75, 82.7, 83.5, 86.25, 89.95, 83.25, 80.1, 90.85, 86.5, 96.5, 84.25, 88.5, 89.45, 89, 84.75, 81, 86.45, 89.9, 87.5, 92.11, 74.7}
rand	= 0.05
(T - P)	= {0.7, 5.6, 2.85, 0.05, 0.45, 19.25, 6.75, 13.9, 0.8, 21, 1.8, 4.25, 9.75, 9.85, 2, 0.45, 0.6, 0.95, 0.55, 2.25, 0, 1.75, 2.5, 1.75, 3.75, 5.45, 3, 4.8, 3.95, 3, 1.46, 9.3}
rand . (T - P)	= {0.04, 0.28, 0.14, 0.00, 0.02, 0.96, 0.34, 0.70, 0.04, 1.05, 0.09, 0.21, 0.49, 0.49, 0.10, 0.02, 0.03, 0.05, 0.03, 0.11, 0.00, 0.09, 0.13, 0.09, 0.19, 0.27, 0.15, 0.24, 0.20, 0.15, 0.07, 0.47}
X_{new} = P + (rand . (T - P))	= {81.54, 83.13, 94.29, 74.15, 84.97, 67.46, 88.34, 83.00, 85.29, 98.60, 88.74, 85.21, 73.44, 74.14, 88.35, 89.52, 82.68, 81.10, 90.33, 84.36, 96.50, 86.09, 86.13, 87.79, 92.94, 79.57, 84.15, 91.49, 94.05, 90.65, 90.72, 84.47}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-16	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {80.8, 88.45, 91.3, 74.2, 84.5, 85.75, 81.25, 68.4, 86.05, 76.55, 86.85, 80.75, 82.7, 83.5, 86.25, 89.95, 83.25, 80.1, 90.85, 86.5, 96.5, 84.25, 88.5, 89.45, 89, 84.75, 81, 86.45, 89.9, 87.5, 92.11, 74.7}

rand	= 0.06
(T - P)	= {0.7, 5.6, 2.85, 0.05, 0.45, 19.25, 6.75, 13.9, 0.8, 21, 1.8, 4.25, 9.75, 9.85, 2, 0.45, 0.6, 0.95, 0.55, 2.25, 0, 1.75, 2.5, 1.75, 3.75, 5.45, 3, 4.8, 3.95, 3, 1.46, 9.3}
rand . (T - P)	= {0.04, 0.34, 0.17, 0.00, 0.03, 1.16, 0.41, 0.83, 0.05, 1.26, 0.11, 0.26, 0.59, 0.59, 0.12, 0.03, 0.04, 0.06, 0.03, 0.14, 0.00, 0.11, 0.15, 0.11, 0.23, 0.33, 0.18, 0.29, 0.24, 0.18, 0.09, 0.56}
Xnew = P + (rand . (T - P))	= {81.54, 83.19, 94.32, 74.15, 84.98, 67.66, 88.41, 83.13, 85.30, 98.81, 88.76, 85.26, 73.54, 74.24, 88.37, 89.53, 82.69, 81.11, 90.33, 84.39, 96.50, 86.11, 86.15, 87.81, 92.98, 79.63, 84.18, 91.54, 94.09, 90.68, 90.74, 84.56}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-17	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {80.8, 88.45, 91.3, 74.2, 84.5, 85.75, 81.25, 68.4, 86.05, 76.55, 86.85, 80.75, 82.7, 83.5, 86.25, 89.95, 83.25, 80.1, 90.85, 86.5, 96.5, 84.25, 88.5, 89.45, 89, 84.75, 81, 86.45, 89.9, 87.5, 92.11, 74.7}
rand	= 0.07
(T - P)	= {0.7, 5.6, 2.85, 0.05, 0.45, 19.25, 6.75, 13.9, 0.8, 21, 1.8, 4.25, 9.75, 9.85, 2, 0.45, 0.6, 0.95, 0.55, 2.25, 0, 1.75, 2.5, 1.75, 3.75, 5.45, 3, 4.8, 3.95, 3, 1.46, 9.3}
rand . (T - P)	= {0.05, 0.39, 0.20, 0.00, 0.03, 1.35, 0.47, 0.97, 0.06, 1.47, 0.13, 0.30, 0.68, 0.69, 0.14, 0.03, 0.04, 0.07, 0.04, 0.16, 0.00, 0.12, 0.18, 0.12, 0.26, 0.38, 0.21, 0.34, 0.28, 0.21, 0.10, 0.65}
Xnew = P + (rand . (T - P))	= {81.55, 83.24, 94.35, 74.15, 84.98, 67.85, 88.47, 83.27, 85.31, 99.02, 88.78, 85.30, 73.63, 74.34, 88.39, 89.53, 82.69, 81.12, 90.34, 84.41, 96.50, 86.12, 86.18, 87.82, 93.01, 79.68, 84.21, 91.59, 94.13, 90.71, 90.75, 84.65}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-18	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {80.8, 88.45, 91.3, 74.2, 84.5, 85.75, 81.25, 68.4, 86.05, 76.55, 86.85, 80.75, 82.7, 83.5, 86.25, 89.95, 83.25, 80.1, 90.85, 86.5, 96.5, 84.25, 88.5, 89.45, 89, 84.75, 81, 86.45, 89.9, 87.5, 92.11, 74.7}
rand	= 0.08
(T - P)	= {0.7, 5.6, 2.85, 0.05, 0.45, 19.25, 6.75, 13.9, 0.8, 21, 1.8, 4.25, 9.75, 9.85, 2, 0.45, 0.6, 0.95, 0.55, 2.25, 0, 1.75, 2.5, 1.75, 3.75, 5.45, 3, 4.8, 3.95, 3, 1.46, 9.3}
rand . (T - P)	= {0.06, 0.45, 0.23, 0.00, 0.04, 1.54, 0.54, 1.11, 0.06, 1.68, 0.14, 0.34, 0.78, 0.79, 0.16, 0.04, 0.05, 0.08, 0.04, 0.18, 0.00, 0.14, 0.20, 0.14, 0.30, 0.44, 0.24, 0.38, 0.32, 0.24, 0.12, 0.74}
Xnew = P + (rand . (T - P))	= {81.56, 83.30, 94.38, 74.15, 84.99, 68.04, 88.54, 83.41, 85.31, 99.23, 88.79, 85.34, 73.73, 74.44, 88.41, 89.54, 82.70, 81.13, 90.34, 84.43, 96.50, 86.14, 86.20, 87.84, 93.05, 79.74, 84.24, 91.63, 94.17, 90.74, 90.77, 84.74}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-19	

P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{80.8, 88.45, 91.3, 74.2, 84.5, 85.75, 81.25, 68.4, 86.05, 76.55, 86.85, 80.75, 82.7, 83.5, 86.25, 89.95, 83.25, 80.1, 90.85, 86.5, 96.5, 84.25, 88.5, 89.45, 89, 84.75, 81, 86.45, 89.9, 87.5, 92.11, 74.7}
rand	=	0.09
(T - P)	=	{0.7, 5.6, 2.85, 0.05, 0.45, 19.25, 6.75, 13.9, 0.8, 21, 1.8, 4.25, 9.75, 9.85, 2, 0.45, 0.6, 0.95, 0.55, 2.25, 0, 1.75, 2.5, 1.75, 3.75, 5.45, 3, 4.8, 3.95, 3, 1.46, 9.3}
rand . (T - P)	=	{0.06, 0.50, 0.26, 0.00, 0.04, 1.73, 0.61, 1.25, 0.07, 1.89, 0.16, 0.38, 0.88, 0.89, 0.18, 0.04, 0.05, 0.09, 0.05, 0.20, 0.00, 0.16, 0.23, 0.16, 0.34, 0.49, 0.27, 0.43, 0.36, 0.27, 0.13, 0.84}
X_{new} = P + (rand . (T - P))	=	{81.56, 83.35, 94.41, 74.15, 84.99, 68.23, 88.61, 83.55, 85.32, 99.44, 88.81, 85.38, 73.83, 74.54, 88.43, 89.54, 82.70, 81.14, 90.35, 84.45, 96.50, 86.16, 86.23, 87.86, 93.09, 79.79, 84.27, 91.68, 94.21, 90.77, 90.78, 84.84}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-20		
P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{80.8, 88.45, 91.3, 74.2, 84.5, 85.75, 81.25, 68.4, 86.05, 76.55, 86.85, 80.75, 82.7, 83.5, 86.25, 89.95, 83.25, 80.1, 90.85, 86.5, 96.5, 84.25, 88.5, 89.45, 89, 84.75, 81, 86.45, 89.9, 87.5, 92.11, 74.7}
rand	=	0.1
(T - P)	=	{0.7, 5.6, 2.85, 0.05, 0.45, 19.25, 6.75, 13.9, 0.8, 21, 1.8, 4.25, 9.75, 9.85, 2, 0.45, 0.6, 0.95, 0.55, 2.25, 0, 1.75, 2.5, 1.75, 3.75, 5.45, 3, 4.8, 3.95, 3, 1.46, 9.3}
rand . (T - P)	=	{0.07, 0.56, 0.29, 0.01, 0.05, 1.93, 0.68, 1.39, 0.08, 2.10, 0.18, 0.43, 0.98, 0.99, 0.20, 0.05, 0.06, 0.10, 0.06, 0.23, 0.00, 0.18, 0.25, 0.18, 0.38, 0.55, 0.30, 0.48, 0.40, 0.30, 0.15, 0.93}
X_{new} = P + (rand . (T - P))	=	{81.57, 83.41, 94.44, 74.16, 85.00, 68.43, 88.68, 83.69, 85.33, 99.65, 88.83, 85.43, 73.93, 74.64, 88.45, 89.55, 82.71, 81.15, 90.36, 84.48, 96.50, 86.18, 86.25, 87.88, 93.13, 79.85, 84.30, 91.73, 94.25, 90.80, 90.80, 84.93}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-21		
P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{88.8, 87.55, 91.4, 70.25, 87.5, 82.7, 88.95, 90, 83, 92.2, 96, 90.7, 83, 91.5, 86, 84.3, 83, 81.25, 92.32, 78.75, 82.8, 87, 91.7, 93, 84.25, 89.55, 89.75, 83.5, 86.3, 91.5, 89.67, 89.4}
rand	=	0.01
(T - P)	=	{7.3, 4.7, 2.75, 3.9, 2.55, 16.2, 0.95, 7.7, 2.25, 5.35, 7.35, 5.7, 10.05, 17.85, 2.25, 5.2, 0.35, 0.2, 2.02, 5.5, 13.7, 1, 5.7, 5.3, 8.5, 10.25, 5.75, 7.75, 7.55, 1, 0.98, 5.4}

rand . (T - P)	= {0.07, 0.05, 0.03, 0.04, 0.03, 0.16, 0.01, 0.08, 0.02, 0.05, 0.07, 0.06, 0.10, 0.18, 0.02, 0.05, 0.00, 0.00, 0.02, 0.06, 0.14, 0.01, 0.06, 0.05, 0.09, 0.10, 0.06, 0.08, 0.08, 0.01, 0.01, 0.05}
X_{new} = P + (rand . (T - P))	= {81.57, 82.90, 94.18, 74.19, 84.98, 66.66, 88.01, 82.38, 85.27, 97.60, 88.72, 85.06, 73.05, 73.83, 88.27, 89.55, 82.65, 81.05, 90.32, 84.31, 96.64, 86.01, 86.06, 87.75, 92.84, 79.40, 84.06, 91.33, 93.93, 90.51, 90.66, 84.05}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-22	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {88.8, 87.55, 91.4, 70.25, 87.5, 82.7, 88.95, 90, 83, 92.2, 96, 90.7, 83, 91.5, 86, 84.3, 83, 81.25, 92.32, 78.75, 82.8, 87, 91.7, 93, 84.25, 89.55, 89.75, 83.5, 86.3, 91.5, 89.67, 89.4}
rand	= 0.02
(T - P)	= {7.3, 4.7, 2.75, 3.9, 2.55, 16.2, 0.95, 7.7, 2.25, 5.35, 7.35, 5.7, 10.05, 17.85, 2.25, 5.2, 0.35, 0.2, 2.02, 5.5, 13.7, 1, 5.7, 5.3, 8.5, 10.25, 5.75, 7.75, 7.55, 1, 0.98, 5.4}
rand . (T - P)	= {0.15, 0.09, 0.06, 0.08, 0.05, 0.32, 0.02, 0.15, 0.05, 0.11, 0.15, 0.11, 0.20, 0.36, 0.05, 0.10, 0.01, 0.00, 0.04, 0.11, 0.27, 0.02, 0.11, 0.11, 0.17, 0.21, 0.12, 0.16, 0.15, 0.02, 0.02, 0.11}
X_{new} = P + (rand . (T - P))	= {81.65, 82.94, 94.21, 74.23, 85.00, 66.82, 88.02, 82.45, 85.30, 97.66, 88.80, 85.11, 73.15, 74.01, 88.30, 89.60, 82.66, 81.05, 90.34, 84.36, 96.77, 86.02, 86.11, 87.81, 92.92, 79.51, 84.12, 91.41, 94.00, 90.52, 90.67, 84.11}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-23	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {88.8, 87.55, 91.4, 70.25, 87.5, 82.7, 88.95, 90, 83, 92.2, 96, 90.7, 83, 91.5, 86, 84.3, 83, 81.25, 92.32, 78.75, 82.8, 87, 91.7, 93, 84.25, 89.55, 89.75, 83.5, 86.3, 91.5, 89.67, 89.4}
rand	= 0.03
(T - P)	= {7.3, 4.7, 2.75, 3.9, 2.55, 16.2, 0.95, 7.7, 2.25, 5.35, 7.35, 5.7, 10.05, 17.85, 2.25, 5.2, 0.35, 0.2, 2.02, 5.5, 13.7, 1, 5.7, 5.3, 8.5, 10.25, 5.75, 7.75, 7.55, 1, 0.98, 5.4}
rand . (T - P)	= {0.22, 0.14, 0.08, 0.12, 0.08, 0.49, 0.03, 0.23, 0.07, 0.16, 0.22, 0.17, 0.30, 0.54, 0.07, 0.16, 0.01, 0.01, 0.06, 0.17, 0.41, 0.03, 0.17, 0.16, 0.26, 0.31, 0.17, 0.23, 0.23, 0.03, 0.03, 0.16}
X_{new} = P + (rand . (T - P))	= {81.72, 82.99, 94.23, 74.27, 85.03, 66.99, 88.03, 82.53, 85.32, 97.71, 88.87, 85.17, 73.25, 74.19, 88.32, 89.66, 82.66, 81.06, 90.36, 84.42, 96.91, 86.03, 86.17, 87.86, 93.01, 79.61, 84.17, 91.48, 94.08, 90.53, 90.68, 84.16}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-24	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {88.8, 87.55, 91.4, 70.25, 87.5, 82.7, 88.95, 90, 83, 92.2, 96, 90.7, 83, 91.5, 86, 84.3, 83, 81.25, 92.32, 78.75, 82.8, 87, 91.7, 93, 84.25, 89.55, 89.75, 83.5, 86.3, 91.5, 89.67, 89.4}

rand	= 0.04
(T - P)	= {7.3, 4.7, 2.75, 3.9, 2.55, 16.2, 0.95, 7.7, 2.25, 5.35, 7.35, 5.7, 10.05, 17.85, 2.25, 5.2, 0.35, 0.2, 2.02, 5.5, 13.7, 1, 5.7, 5.3, 8.5, 10.25, 5.75, 7.75, 7.55, 1, 0.98, 5.4}
rand . (T - P)	= {0.29, 0.19, 0.11, 0.16, 0.10, 0.65, 0.04, 0.31, 0.09, 0.21, 0.29, 0.23, 0.40, 0.71, 0.09, 0.21, 0.01, 0.01, 0.08, 0.22, 0.55, 0.04, 0.23, 0.21, 0.34, 0.41, 0.23, 0.31, 0.30, 0.04, 0.04, 0.22}
X_{new} = P + (rand . (T - P))	= {81.79, 83.04, 94.26, 74.31, 85.05, 67.15, 88.04, 82.61, 85.34, 97.76, 88.94, 85.23, 73.35, 74.36, 88.34, 89.71, 82.66, 81.06, 90.38, 84.47, 97.05, 86.04, 86.23, 87.91, 93.09, 79.71, 84.23, 91.56, 94.15, 90.54, 90.69, 84.22}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-25	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {88.8, 87.55, 91.4, 70.25, 87.5, 82.7, 88.95, 90, 83, 92.2, 96, 90.7, 83, 91.5, 86, 84.3, 83, 81.25, 92.32, 78.75, 82.8, 87, 91.7, 93, 84.25, 89.55, 89.75, 83.5, 86.3, 91.5, 89.67, 89.4}
rand	= 0.05
(T - P)	= {7.3, 4.7, 2.75, 3.9, 2.55, 16.2, 0.95, 7.7, 2.25, 5.35, 7.35, 5.7, 10.05, 17.85, 2.25, 5.2, 0.35, 0.2, 2.02, 5.5, 13.7, 1, 5.7, 5.3, 8.5, 10.25, 5.75, 7.75, 7.55, 1, 0.98, 5.4}
rand . (T - P)	= {0.37, 0.24, 0.14, 0.20, 0.13, 0.81, 0.05, 0.39, 0.11, 0.27, 0.37, 0.29, 0.50, 0.89, 0.11, 0.26, 0.02, 0.01, 0.10, 0.28, 0.69, 0.05, 0.29, 0.27, 0.43, 0.51, 0.29, 0.39, 0.38, 0.05, 0.05, 0.27}
X_{new} = P + (rand . (T - P))	= {81.87, 83.09, 94.29, 74.35, 85.08, 67.31, 88.05, 82.69, 85.36, 97.82, 89.02, 85.29, 73.45, 74.54, 88.36, 89.76, 82.67, 81.06, 90.40, 84.53, 97.19, 86.05, 86.29, 87.97, 93.18, 79.81, 84.29, 91.64, 94.23, 90.55, 90.70, 84.27}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-26	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {88.8, 87.55, 91.4, 70.25, 87.5, 82.7, 88.95, 90, 83, 92.2, 96, 90.7, 83, 91.5, 86, 84.3, 83, 81.25, 92.32, 78.75, 82.8, 87, 91.7, 93, 84.25, 89.55, 89.75, 83.5, 86.3, 91.5, 89.67, 89.4}
rand	= 0.06
(T - P)	= {7.3, 4.7, 2.75, 3.9, 2.55, 16.2, 0.95, 7.7, 2.25, 5.35, 7.35, 5.7, 10.05, 17.85, 2.25, 5.2, 0.35, 0.2, 2.02, 5.5, 13.7, 1, 5.7, 5.3, 8.5, 10.25, 5.75, 7.75, 7.55, 1, 0.98, 5.4}
rand . (T - P)	= {0.44, 0.28, 0.17, 0.23, 0.15, 0.97, 0.06, 0.46, 0.14, 0.32, 0.44, 0.34, 0.60, 1.07, 0.14, 0.31, 0.02, 0.01, 0.12, 0.33, 0.82, 0.06, 0.34, 0.32, 0.51, 0.62, 0.35, 0.47, 0.45, 0.06, 0.06, 0.32}
X_{new} = P + (rand . (T - P))	= {81.94, 83.13, 94.32, 74.38, 85.10, 67.47, 88.06, 82.76, 85.39, 97.87, 89.09, 85.34, 73.55, 74.72, 88.39, 89.81, 82.67, 81.06, 90.42, 84.58, 97.32, 86.06, 86.34, 88.02, 93.26, 79.92, 84.35, 91.72, 94.30, 90.56, 90.71, 84.32}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-27	

P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{88.8, 87.55, 91.4, 70.25, 87.5, 82.7, 88.95, 90, 83, 92.2, 96, 90.7, 83, 91.5, 86, 84.3, 83, 81.25, 92.32, 78.75, 82.8, 87, 91.7, 93, 84.25, 89.55, 89.75, 83.5, 86.3, 91.5, 89.67, 89.4}
rand	=	0.07
(T - P)	=	{7.3, 4.7, 2.75, 3.9, 2.55, 16.2, 0.95, 7.7, 2.25, 5.35, 7.35, 5.7, 10.05, 17.85, 2.25, 5.2, 0.35, 0.2, 2.02, 5.5, 13.7, 1, 5.7, 5.3, 8.5, 10.25, 5.75, 7.75, 7.55, 1, 0.98, 5.4}
rand . (T - P)	=	{0.51, 0.33, 0.19, 0.27, 0.18, 1.13, 0.07, 0.54, 0.16, 0.37, 0.51, 0.40, 0.70, 1.25, 0.16, 0.36, 0.02, 0.01, 0.14, 0.39, 0.96, 0.07, 0.40, 0.37, 0.60, 0.72, 0.40, 0.54, 0.53, 0.07, 0.07, 0.38}
X_{new} = P + (rand . (T - P))	=	{82.01, 83.18, 94.34, 74.42, 85.13, 67.63, 88.07, 82.84, 85.41, 97.92, 89.16, 85.40, 73.65, 74.90, 88.41, 89.86, 82.67, 81.06, 90.44, 84.64, 97.46, 86.07, 86.40, 88.07, 93.35, 80.02, 84.40, 91.79, 94.38, 90.57, 90.72, 84.38}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-28		
P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{88.8, 87.55, 91.4, 70.25, 87.5, 82.7, 88.95, 90, 83, 92.2, 96, 90.7, 83, 91.5, 86, 84.3, 83, 81.25, 92.32, 78.75, 82.8, 87, 91.7, 93, 84.25, 89.55, 89.75, 83.5, 86.3, 91.5, 89.67, 89.4}
rand	=	0.08
(T - P)	=	{7.3, 4.7, 2.75, 3.9, 2.55, 16.2, 0.95, 7.7, 2.25, 5.35, 7.35, 5.7, 10.05, 17.85, 2.25, 5.2, 0.35, 0.2, 2.02, 5.5, 13.7, 1, 5.7, 5.3, 8.5, 10.25, 5.75, 7.75, 7.55, 1, 0.98, 5.4}
rand . (T - P)	=	{0.58, 0.38, 0.22, 0.31, 0.20, 1.30, 0.08, 0.62, 0.18, 0.43, 0.59, 0.46, 0.80, 1.43, 0.18, 0.42, 0.03, 0.02, 0.16, 0.44, 1.10, 0.08, 0.46, 0.42, 0.68, 0.82, 0.46, 0.62, 0.60, 0.08, 0.08, 0.43}
X_{new} = P + (rand . (T - P))	=	{82.08, 83.23, 94.37, 74.46, 85.15, 67.80, 88.08, 82.92, 85.43, 97.98, 89.24, 85.46, 73.75, 75.08, 88.43, 89.92, 82.68, 81.07, 90.46, 84.69, 97.60, 86.08, 86.46, 88.12, 93.43, 80.12, 84.46, 91.87, 94.45, 90.58, 90.73, 84.43}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-29		
P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{88.8, 87.55, 91.4, 70.25, 87.5, 82.7, 88.95, 90, 83, 92.2, 96, 90.7, 83, 91.5, 86, 84.3, 83, 81.25, 92.32, 78.75, 82.8, 87, 91.7, 93, 84.25, 89.55, 89.75, 83.5, 86.3, 91.5, 89.67, 89.4}
rand	=	0.09
(T - P)	=	{7.3, 4.7, 2.75, 3.9, 2.55, 16.2, 0.95, 7.7, 2.25, 5.35, 7.35, 5.7, 10.05, 17.85, 2.25, 5.2, 0.35, 0.2, 2.02, 5.5, 13.7, 1, 5.7, 5.3, 8.5, 10.25, 5.75, 7.75, 7.55, 1, 0.98, 5.4}
rand . (T - P)	=	{0.66, 0.42, 0.25, 0.35, 0.23, 1.46, 0.09, 0.69, 0.20, 0.48, 0.66, 0.51, 0.90, 1.61, 0.20, 0.47, 0.03, 0.02, 0.18, 0.50, 1.23, 0.09, 0.51, 0.48, 0.77, 0.92, 0.52, 0.70, 0.68, 0.09, 0.09, 0.49}

X_{new} = P + (rand . (T - P))	= {82.16, 83.27, 94.40, 74.50, 85.18, 67.96, 88.09, 82.99, 85.45, 98.03, 89.31, 85.51, 73.85, 75.26, 88.45, 89.97, 82.68, 81.07, 90.48, 84.75, 97.73, 86.09, 86.51, 88.18, 93.52, 80.22, 84.52, 91.95, 94.53, 90.59, 90.74, 84.49}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-30	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {88.8, 87.55, 91.4, 70.25, 87.5, 82.7, 88.95, 90, 83, 92.2, 96, 90.7, 83, 91.5, 86, 84.3, 83, 81.25, 92.32, 78.75, 82.8, 87, 91.7, 93, 84.25, 89.55, 89.75, 83.5, 86.3, 91.5, 89.67, 89.4}
rand	= 0.1
(T - P)	= {7.3, 4.7, 2.75, 3.9, 2.55, 16.2, 0.95, 7.7, 2.25, 5.35, 7.35, 5.7, 10.05, 17.85, 2.25, 5.2, 0.35, 0.2, 2.02, 5.5, 13.7, 1, 5.7, 5.3, 8.5, 10.25, 5.75, 7.75, 7.55, 1, 0.98, 5.4}
rand . (T - P)	= {0.73, 0.47, 0.28, 0.39, 0.26, 1.62, 0.10, 0.77, 0.23, 0.54, 0.74, 0.57, 1.01, 1.79, 0.23, 0.52, 0.04, 0.02, 0.20, 0.55, 1.37, 0.10, 0.57, 0.53, 0.85, 1.03, 0.58, 0.78, 0.76, 0.10, 0.10, 0.54}
X_{new} = P + (rand . (T - P))	= {82.23, 83.32, 94.43, 74.54, 85.21, 68.12, 88.10, 83.07, 85.48, 98.09, 89.39, 85.57, 73.96, 75.44, 88.48, 90.02, 82.69, 81.07, 90.50, 84.80, 97.87, 86.10, 86.57, 88.23, 93.60, 80.33, 84.58, 92.03, 94.61, 90.60, 90.75, 84.54}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-31	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {85.45, 90.75, 90.65, 75.18, 89.75, 86.35, 83, 88.3, 84.9, 87.2, 90.85, 83.2, 79.25, 87.55, 86, 92.15, 86.05, 82.2, 84.2, 86.75, 82.75, 84.2, 77.95, 80.65, 93.2, 95.5, 82.75, 84.05, 90.1, 87, 93, 81.5}
rand	= 0.01
(T - P)	= {3.95, 7.9, 3.5, 1.03, 4.8, 19.85, 5, 6, 0.35, 10.35, 2.2, 1.8, 6.3, 13.9, 2.25, 2.65, 3.4, 1.15, 6.1, 2.5, 13.75, 1.8, 8.05, 7.05, 0.45, 16.2, 1.25, 7.2, 3.75, 3.5, 2.35, 2.5}
rand . (T - P)	= {0.04, 0.08, 0.04, 0.01, 0.05, 0.20, 0.05, 0.06, 0.00, 0.10, 0.02, 0.02, 0.06, 0.14, 0.02, 0.03, 0.03, 0.01, 0.06, 0.03, 0.14, 0.02, 0.08, 0.07, 0.00, 0.16, 0.01, 0.07, 0.04, 0.04, 0.02, 0.03}
X_{new} = P + (rand . (T - P))	= {81.54, 82.93, 94.19, 74.16, 85.00, 66.70, 88.05, 82.36, 85.25, 97.65, 88.67, 85.02, 73.01, 73.79, 88.27, 89.53, 82.68, 81.06, 90.36, 84.28, 96.64, 86.02, 86.08, 87.77, 92.75, 79.46, 84.01, 91.32, 93.89, 90.54, 90.67, 84.03}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-32	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {85.45, 90.75, 90.65, 75.18, 89.75, 86.35, 83, 88.3, 84.9, 87.2, 90.85, 83.2, 79.25, 87.55, 86, 92.15, 86.05, 82.2, 84.2, 86.75, 82.75, 84.2, 77.95, 80.65, 93.2, 95.5, 82.75, 84.05, 90.1, 87, 93, 81.5}
rand	= 0.02

(T - P)	=	{3.95, 7.9, 3.5, 1.03, 4.8, 19.85, 5, 6, 0.35, 10.35, 2.2, 1.8, 6.3, 13.9, 2.25, 2.65, 3.4, 1.15, 6.1, 2.5, 13.75, 1.8, 8.05, 7.05, 0.45, 16.2, 1.25, 7.2, 3.75, 3.5, 2.35, 2.5}
rand . (T - P)	=	{0.08, 0.16, 0.07, 0.02, 0.10, 0.40, 0.10, 0.12, 0.01, 0.21, 0.04, 0.04, 0.13, 0.28, 0.05, 0.05, 0.07, 0.02, 0.12, 0.05, 0.28, 0.04, 0.16, 0.14, 0.01, 0.32, 0.03, 0.14, 0.08, 0.07, 0.05, 0.05}
Xnew = P + (rand . (T - P))	=	{81.58, 83.01, 94.22, 74.17, 85.05, 66.90, 88.10, 82.42, 85.26, 97.76, 88.69, 85.04, 73.08, 73.93, 88.30, 89.55, 82.72, 81.07, 90.42, 84.30, 96.78, 86.04, 86.16, 87.84, 92.76, 79.62, 84.03, 91.39, 93.93, 90.57, 90.70, 84.05}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-33		
P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{85.45, 90.75, 90.65, 75.18, 89.75, 86.35, 83, 88.3, 84.9, 87.2, 90.85, 83.2, 79.25, 87.55, 86, 92.15, 86.05, 82.2, 84.2, 86.75, 82.75, 84.2, 77.95, 80.65, 93.2, 95.5, 82.75, 84.05, 90.1, 87, 93, 81.5}
rand	=	0.03
(T - P)	=	{3.95, 7.9, 3.5, 1.03, 4.8, 19.85, 5, 6, 0.35, 10.35, 2.2, 1.8, 6.3, 13.9, 2.25, 2.65, 3.4, 1.15, 6.1, 2.5, 13.75, 1.8, 8.05, 7.05, 0.45, 16.2, 1.25, 7.2, 3.75, 3.5, 2.35, 2.5}
rand . (T - P)	=	{0.12, 0.24, 0.11, 0.03, 0.14, 0.60, 0.15, 0.18, 0.01, 0.31, 0.07, 0.05, 0.19, 0.42, 0.07, 0.08, 0.10, 0.03, 0.18, 0.08, 0.41, 0.05, 0.24, 0.21, 0.01, 0.49, 0.04, 0.22, 0.11, 0.11, 0.07, 0.08}
Xnew = P + (rand . (T - P))	=	{81.62, 83.09, 94.26, 74.18, 85.09, 67.10, 88.15, 82.48, 85.26, 97.86, 88.72, 85.05, 73.14, 74.07, 88.32, 89.58, 82.75, 81.08, 90.48, 84.33, 96.91, 86.05, 86.24, 87.91, 92.76, 79.79, 84.04, 91.47, 93.96, 90.61, 90.72, 84.08}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-34		
P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{85.45, 90.75, 90.65, 75.18, 89.75, 86.35, 83, 88.3, 84.9, 87.2, 90.85, 83.2, 79.25, 87.55, 86, 92.15, 86.05, 82.2, 84.2, 86.75, 82.75, 84.2, 77.95, 80.65, 93.2, 95.5, 82.75, 84.05, 90.1, 87, 93, 81.5}
rand	=	0.04
(T - P)	=	{3.95, 7.9, 3.5, 1.03, 4.8, 19.85, 5, 6, 0.35, 10.35, 2.2, 1.8, 6.3, 13.9, 2.25, 2.65, 3.4, 1.15, 6.1, 2.5, 13.75, 1.8, 8.05, 7.05, 0.45, 16.2, 1.25, 7.2, 3.75, 3.5, 2.35, 2.5}
rand . (T - P)	=	{0.16, 0.32, 0.14, 0.04, 0.19, 0.79, 0.20, 0.24, 0.01, 0.41, 0.09, 0.07, 0.25, 0.56, 0.09, 0.11, 0.14, 0.05, 0.24, 0.10, 0.55, 0.07, 0.32, 0.28, 0.02, 0.65, 0.05, 0.29, 0.15, 0.14, 0.09, 0.10}
Xnew = P + (rand . (T - P))	=	{81.66, 83.17, 94.29, 74.19, 85.14, 67.29, 88.20, 82.54, 85.26, 97.96, 88.74, 85.07, 73.20, 74.21, 88.34, 89.61, 82.79, 81.10, 90.54, 84.35, 97.05, 86.07, 86.32, 87.98, 92.77, 79.95, 84.05, 91.54, 94.00, 90.64, 90.74, 84.10}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-35		

P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{85.45, 90.75, 90.65, 75.18, 89.75, 86.35, 83, 88.3, 84.9, 87.2, 90.85, 83.2, 79.25, 87.55, 86, 92.15, 86.05, 82.2, 84.2, 86.75, 82.75, 84.2, 77.95, 80.65, 93.2, 95.5, 82.75, 84.05, 90.1, 87, 93, 81.5}
rand	=	0.05
(T - P)	=	{3.95, 7.9, 3.5, 1.03, 4.8, 19.85, 5, 6, 0.35, 10.35, 2.2, 1.8, 6.3, 13.9, 2.25, 2.65, 3.4, 1.15, 6.1, 2.5, 13.75, 1.8, 8.05, 7.05, 0.45, 16.2, 1.25, 7.2, 3.75, 3.5, 2.35, 2.5}
rand . (T - P)	=	{0.20, 0.40, 0.18, 0.05, 0.24, 0.99, 0.25, 0.30, 0.02, 0.52, 0.11, 0.09, 0.32, 0.70, 0.11, 0.13, 0.17, 0.06, 0.31, 0.13, 0.69, 0.09, 0.40, 0.35, 0.02, 0.81, 0.06, 0.36, 0.19, 0.18, 0.12, 0.13}
X_{new} = P + (rand . (T - P))	=	{81.70, 83.25, 94.33, 74.20, 85.19, 67.49, 88.25, 82.60, 85.27, 98.07, 88.76, 85.09, 73.27, 74.35, 88.36, 89.63, 82.82, 81.11, 90.61, 84.38, 97.19, 86.09, 86.40, 88.05, 92.77, 80.11, 84.06, 91.61, 94.04, 90.68, 90.77, 84.13}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-36		
P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{85.45, 90.75, 90.65, 75.18, 89.75, 86.35, 83, 88.3, 84.9, 87.2, 90.85, 83.2, 79.25, 87.55, 86, 92.15, 86.05, 82.2, 84.2, 86.75, 82.75, 84.2, 77.95, 80.65, 93.2, 95.5, 82.75, 84.05, 90.1, 87, 93, 81.5}
rand	=	0.06
(T - P)	=	{3.95, 7.9, 3.5, 1.03, 4.8, 19.85, 5, 6, 0.35, 10.35, 2.2, 1.8, 6.3, 13.9, 2.25, 2.65, 3.4, 1.15, 6.1, 2.5, 13.75, 1.8, 8.05, 7.05, 0.45, 16.2, 1.25, 7.2, 3.75, 3.5, 2.35, 2.5}
rand . (T - P)	=	{0.24, 0.47, 0.21, 0.06, 0.29, 1.19, 0.30, 0.36, 0.02, 0.62, 0.13, 0.11, 0.38, 0.83, 0.14, 0.16, 0.20, 0.07, 0.37, 0.15, 0.83, 0.11, 0.48, 0.42, 0.03, 0.97, 0.08, 0.43, 0.23, 0.21, 0.14, 0.15}
X_{new} = P + (rand . (T - P))	=	{81.74, 83.32, 94.36, 74.21, 85.24, 67.69, 88.30, 82.66, 85.27, 98.17, 88.78, 85.11, 73.33, 74.48, 88.39, 89.66, 82.85, 81.12, 90.67, 84.40, 97.33, 86.11, 86.48, 88.12, 92.78, 80.27, 84.08, 91.68, 94.08, 90.71, 90.79, 84.15}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-37		
P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{85.45, 90.75, 90.65, 75.18, 89.75, 86.35, 83, 88.3, 84.9, 87.2, 90.85, 83.2, 79.25, 87.55, 86, 92.15, 86.05, 82.2, 84.2, 86.75, 82.75, 84.2, 77.95, 80.65, 93.2, 95.5, 82.75, 84.05, 90.1, 87, 93, 81.5}
rand	=	0.07
(T - P)	=	{3.95, 7.9, 3.5, 1.03, 4.8, 19.85, 5, 6, 0.35, 10.35, 2.2, 1.8, 6.3, 13.9, 2.25, 2.65, 3.4, 1.15, 6.1, 2.5, 13.75, 1.8, 8.05, 7.05, 0.45, 16.2, 1.25, 7.2, 3.75, 3.5, 2.35, 2.5}

rand . (T - P)	= {0.28, 0.55, 0.25, 0.07, 0.34, 1.39, 0.35, 0.42, 0.02, 0.72, 0.15, 0.13, 0.44, 0.97, 0.16, 0.19, 0.24, 0.08, 0.43, 0.18, 0.96, 0.13, 0.56, 0.49, 0.03, 1.13, 0.09, 0.50, 0.26, 0.25, 0.16, 0.18}
X_{new} = P + (rand . (T - P))	= {81.78, 83.40, 94.40, 74.22, 85.29, 67.89, 88.35, 82.72, 85.27, 98.27, 88.80, 85.13, 73.39, 74.62, 88.41, 89.69, 82.89, 81.13, 90.73, 84.43, 97.46, 86.13, 86.56, 88.19, 92.78, 80.43, 84.09, 91.75, 94.11, 90.75, 90.81, 84.18}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-38	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {85.45, 90.75, 90.65, 75.18, 89.75, 86.35, 83, 88.3, 84.9, 87.2, 90.85, 83.2, 79.25, 87.55, 86, 92.15, 86.05, 82.2, 84.2, 86.75, 82.75, 84.2, 77.95, 80.65, 93.2, 95.5, 82.75, 84.05, 90.1, 87, 93, 81.5}
rand	= 0.08
(T - P)	= {3.95, 7.9, 3.5, 1.03, 4.8, 19.85, 5, 6, 0.35, 10.35, 2.2, 1.8, 6.3, 13.9, 2.25, 2.65, 3.4, 1.15, 6.1, 2.5, 13.75, 1.8, 8.05, 7.05, 0.45, 16.2, 1.25, 7.2, 3.75, 3.5, 2.35, 2.5}
rand . (T - P)	= {0.32, 0.63, 0.28, 0.08, 0.38, 1.59, 0.40, 0.48, 0.03, 0.83, 0.18, 0.14, 0.50, 1.11, 0.18, 0.21, 0.27, 0.09, 0.49, 0.20, 1.10, 0.14, 0.64, 0.56, 0.04, 1.30, 0.10, 0.58, 0.30, 0.28, 0.19, 0.20}
X_{new} = P + (rand . (T - P))	= {81.82, 83.48, 94.43, 74.23, 85.33, 68.09, 88.40, 82.78, 85.28, 98.38, 88.83, 85.14, 73.45, 74.76, 88.43, 89.71, 82.92, 81.14, 90.79, 84.45, 97.60, 86.14, 86.64, 88.26, 92.79, 80.60, 84.10, 91.83, 94.15, 90.78, 90.84, 84.20}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-39	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {85.45, 90.75, 90.65, 75.18, 89.75, 86.35, 83, 88.3, 84.9, 87.2, 90.85, 83.2, 79.25, 87.55, 86, 92.15, 86.05, 82.2, 84.2, 86.75, 82.75, 84.2, 77.95, 80.65, 93.2, 95.5, 82.75, 84.05, 90.1, 87, 93, 81.5}
rand	= 0.09
(T - P)	= {3.95, 7.9, 3.5, 1.03, 4.8, 19.85, 5, 6, 0.35, 10.35, 2.2, 1.8, 6.3, 13.9, 2.25, 2.65, 3.4, 1.15, 6.1, 2.5, 13.75, 1.8, 8.05, 7.05, 0.45, 16.2, 1.25, 7.2, 3.75, 3.5, 2.35, 2.5}
rand . (T - P)	= {0.36, 0.71, 0.32, 0.09, 0.43, 1.79, 0.45, 0.54, 0.03, 0.93, 0.20, 0.16, 0.57, 1.25, 0.20, 0.24, 0.31, 0.10, 0.55, 0.23, 1.24, 0.16, 0.72, 0.63, 0.04, 1.46, 0.11, 0.65, 0.34, 0.32, 0.21, 0.23}
X_{new} = P + (rand . (T - P))	= {81.86, 83.56, 94.47, 74.24, 85.38, 68.29, 88.45, 82.84, 85.28, 98.48, 88.85, 85.16, 73.52, 74.90, 88.45, 89.74, 82.96, 81.15, 90.85, 84.48, 97.74, 86.16, 86.72, 88.33, 92.79, 80.76, 84.11, 91.90, 94.19, 90.82, 90.86, 84.23}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-40	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}

T(tetangga acuan)	=	{85.45, 90.75, 90.65, 75.18, 89.75, 86.35, 83, 88.3, 84.9, 87.2, 90.85, 83.2, 79.25, 87.55, 86, 92.15, 86.05, 82.2, 84.2, 86.75, 82.75, 84.2, 77.95, 80.65, 93.2, 95.5, 82.75, 84.05, 90.1, 87, 93, 81.5}
rand	=	0.1
(T - P)	=	{3.95, 7.9, 3.5, 1.03, 4.8, 19.85, 5, 6, 0.35, 10.35, 2.2, 1.8, 6.3, 13.9, 2.25, 2.65, 3.4, 1.15, 6.1, 2.5, 13.75, 1.8, 8.05, 7.05, 0.45, 16.2, 1.25, 7.2, 3.75, 3.5, 2.35, 2.5}
rand . (T - P)	=	{0.40, 0.79, 0.35, 0.10, 0.48, 1.99, 0.50, 0.60, 0.04, 1.04, 0.22, 0.18, 0.63, 1.39, 0.23, 0.27, 0.34, 0.12, 0.61, 0.25, 1.38, 0.18, 0.81, 0.71, 0.05, 1.62, 0.13, 0.72, 0.38, 0.35, 0.24, 0.25}
Xnew = P + (rand . (T - P))	=	{81.90, 83.64, 94.50, 74.25, 85.43, 68.49, 88.50, 82.90, 85.29, 98.59, 88.87, 85.18, 73.58, 75.04, 88.48, 89.77, 82.99, 81.17, 90.91, 84.50, 97.88, 86.18, 86.81, 88.41, 92.80, 80.92, 84.13, 91.97, 94.23, 90.85, 90.89, 84.25}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-41		
P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{86.5, 78.75, 91.85, 84.63, 74.85, 63, 88.95, 79.5, 87.45, 87.55, 91.5, 91.5, 94, 89.7, 85.05, 89.25, 85.45, 88.65, 89.75, 86, 81.6, 89.6, 90.4, 88.75, 91.45, 91.75, 84.75, 91.5, 88.25, 87.25, 88.32, 79.75}
rand	=	0.01
(T - P)	=	{5, 4.1, 2.3, 10.48, 10.1, 3.5, 0.95, 2.8, 2.2, 10, 2.85, 6.5, 21.05, 16.05, 3.2, 0.25, 2.8, 7.6, 0.55, 1.75, 14.9, 3.6, 4.4, 1.05, 1.3, 12.45, 0.75, 0.25, 5.6, 3.25, 2.33, 4.25}
rand . (T - P)	=	{0.05, 0.04, 0.02, 0.10, 0.10, 0.04, 0.01, 0.03, 0.02, 0.10, 0.03, 0.07, 0.21, 0.16, 0.03, 0.00, 0.03, 0.08, 0.01, 0.02, 0.15, 0.04, 0.04, 0.01, 0.01, 0.12, 0.01, 0.00, 0.06, 0.03, 0.02, 0.04}
Xnew = P + (rand . (T - P))	=	{81.55, 82.89, 94.17, 74.25, 85.05, 66.54, 88.01, 82.33, 85.27, 97.65, 88.68, 85.07, 73.16, 73.81, 88.28, 89.50, 82.68, 81.13, 90.31, 84.27, 96.65, 86.04, 86.04, 87.71, 92.76, 79.42, 84.01, 91.25, 93.91, 90.53, 90.67, 84.04}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-42		
P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{86.5, 78.75, 91.85, 84.63, 74.85, 63, 88.95, 79.5, 87.45, 87.55, 91.5, 91.5, 94, 89.7, 85.05, 89.25, 85.45, 88.65, 89.75, 86, 81.6, 89.6, 90.4, 88.75, 91.45, 91.75, 84.75, 91.5, 88.25, 87.25, 88.32, 79.75}
rand	=	0.02
(T - P)	=	{5, 4.1, 2.3, 10.48, 10.1, 3.5, 0.95, 2.8, 2.2, 10, 2.85, 6.5, 21.05, 16.05, 3.2, 0.25, 2.8, 7.6, 0.55, 1.75, 14.9, 3.6, 4.4, 1.05, 1.3, 12.45, 0.75, 0.25, 5.6, 3.25, 2.33, 4.25}
rand . (T - P)	=	{0.10, 0.08, 0.05, 0.21, 0.20, 0.07, 0.02, 0.06, 0.04, 0.20, 0.06, 0.13, 0.42, 0.32, 0.06, 0.01, 0.06, 0.15, 0.01, 0.04, 0.30, 0.07, 0.09, 0.02, 0.03, 0.25, 0.02, 0.01, 0.11, 0.07, 0.05, 0.09}

X_{new} = P + (rand . (T - P))	= {81.60, 82.93, 94.20, 74.36, 85.15, 66.57, 88.02, 82.36, 85.29, 97.75, 88.71, 85.13, 73.37, 73.97, 88.31, 89.51, 82.71, 81.20, 90.31, 84.29, 96.80, 86.07, 86.09, 87.72, 92.78, 79.55, 84.02, 91.26, 93.96, 90.57, 90.70, 84.09}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-43	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {86.5, 78.75, 91.85, 84.63, 74.85, 63, 88.95, 79.5, 87.45, 87.55, 91.5, 91.5, 94, 89.7, 85.05, 89.25, 85.45, 88.65, 89.75, 86, 81.6, 89.6, 90.4, 88.75, 91.45, 91.75, 84.75, 91.5, 88.25, 87.25, 88.32, 79.75}
rand	= 0.03
(T - P)	= {5, 4.1, 2.3, 10.48, 10.1, 3.5, 0.95, 2.8, 2.2, 10, 2.85, 6.5, 21.05, 16.05, 3.2, 0.25, 2.8, 7.6, 0.55, 1.75, 14.9, 3.6, 4.4, 1.05, 1.3, 12.45, 0.75, 0.25, 5.6, 3.25, 2.33, 4.25}
rand . (T - P)	= {0.15, 0.12, 0.07, 0.31, 0.30, 0.11, 0.03, 0.08, 0.07, 0.30, 0.09, 0.20, 0.63, 0.48, 0.10, 0.01, 0.08, 0.23, 0.02, 0.05, 0.45, 0.11, 0.13, 0.03, 0.04, 0.37, 0.02, 0.01, 0.17, 0.10, 0.07, 0.13}
X_{new} = P + (rand . (T - P))	= {81.65, 82.97, 94.22, 74.46, 85.25, 66.61, 88.03, 82.38, 85.32, 97.85, 88.74, 85.20, 73.58, 74.13, 88.35, 89.51, 82.73, 81.28, 90.32, 84.30, 96.95, 86.11, 86.13, 87.73, 92.79, 79.67, 84.02, 91.26, 94.02, 90.60, 90.72, 84.13}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-44	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {86.5, 78.75, 91.85, 84.63, 74.85, 63, 88.95, 79.5, 87.45, 87.55, 91.5, 91.5, 94, 89.7, 85.05, 89.25, 85.45, 88.65, 89.75, 86, 81.6, 89.6, 90.4, 88.75, 91.45, 91.75, 84.75, 91.5, 88.25, 87.25, 88.32, 79.75}
rand	= 0.04
(T - P)	= {5, 4.1, 2.3, 10.48, 10.1, 3.5, 0.95, 2.8, 2.2, 10, 2.85, 6.5, 21.05, 16.05, 3.2, 0.25, 2.8, 7.6, 0.55, 1.75, 14.9, 3.6, 4.4, 1.05, 1.3, 12.45, 0.75, 0.25, 5.6, 3.25, 2.33, 4.25}
rand . (T - P)	= {0.20, 0.16, 0.09, 0.42, 0.40, 0.14, 0.04, 0.11, 0.09, 0.40, 0.11, 0.26, 0.84, 0.64, 0.13, 0.01, 0.11, 0.30, 0.02, 0.07, 0.60, 0.14, 0.18, 0.04, 0.05, 0.50, 0.03, 0.01, 0.22, 0.13, 0.09, 0.17}
X_{new} = P + (rand . (T - P))	= {81.70, 83.01, 94.24, 74.57, 85.35, 66.64, 88.04, 82.41, 85.34, 97.95, 88.76, 85.26, 73.79, 74.29, 88.38, 89.51, 82.76, 81.35, 90.32, 84.32, 97.10, 86.14, 86.18, 87.74, 92.80, 79.80, 84.03, 91.26, 94.07, 90.63, 90.74, 84.17}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-45	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {86.5, 78.75, 91.85, 84.63, 74.85, 63, 88.95, 79.5, 87.45, 87.55, 91.5, 91.5, 94, 89.7, 85.05, 89.25, 85.45, 88.65, 89.75, 86, 81.6, 89.6, 90.4, 88.75, 91.45, 91.75, 84.75, 91.5, 88.25, 87.25, 88.32, 79.75}

rand	= 0.05
(T - P)	= {5, 4.1, 2.3, 10.48, 10.1, 3.5, 0.95, 2.8, 2.2, 10, 2.85, 6.5, 21.05, 16.05, 3.2, 0.25, 2.8, 7.6, 0.55, 1.75, 14.9, 3.6, 4.4, 1.05, 1.3, 12.45, 0.75, 0.25, 5.6, 3.25, 2.33, 4.25}
rand . (T - P)	= {0.25, 0.21, 0.12, 0.52, 0.51, 0.18, 0.05, 0.14, 0.11, 0.50, 0.14, 0.33, 1.05, 0.80, 0.16, 0.01, 0.14, 0.38, 0.03, 0.09, 0.75, 0.18, 0.22, 0.05, 0.07, 0.62, 0.04, 0.01, 0.28, 0.16, 0.12, 0.21}
Xnew = P + (rand . (T - P))	= {81.75, 83.06, 94.27, 74.67, 85.46, 66.68, 88.05, 82.44, 85.36, 98.05, 88.79, 85.33, 74.00, 74.45, 88.41, 89.51, 82.79, 81.43, 90.33, 84.34, 97.25, 86.18, 86.22, 87.75, 92.82, 79.92, 84.04, 91.26, 94.13, 90.66, 90.77, 84.21}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-46	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {86.5, 78.75, 91.85, 84.63, 74.85, 63, 88.95, 79.5, 87.45, 87.55, 91.5, 91.5, 94, 89.7, 85.05, 89.25, 85.45, 88.65, 89.75, 86, 81.6, 89.6, 90.4, 88.75, 91.45, 91.75, 84.75, 91.5, 88.25, 87.25, 88.32, 79.75}
rand	= 0.06
(T - P)	= {5, 4.1, 2.3, 10.48, 10.1, 3.5, 0.95, 2.8, 2.2, 10, 2.85, 6.5, 21.05, 16.05, 3.2, 0.25, 2.8, 7.6, 0.55, 1.75, 14.9, 3.6, 4.4, 1.05, 1.3, 12.45, 0.75, 0.25, 5.6, 3.25, 2.33, 4.25}
rand . (T - P)	= {0.30, 0.25, 0.14, 0.63, 0.61, 0.21, 0.06, 0.17, 0.13, 0.60, 0.17, 0.39, 1.26, 0.96, 0.19, 0.02, 0.17, 0.46, 0.03, 0.11, 0.89, 0.22, 0.26, 0.06, 0.08, 0.75, 0.05, 0.02, 0.34, 0.20, 0.14, 0.26}
Xnew = P + (rand . (T - P))	= {81.80, 83.10, 94.29, 74.78, 85.56, 66.71, 88.06, 82.47, 85.38, 98.15, 88.82, 85.39, 74.21, 74.61, 88.44, 89.52, 82.82, 81.51, 90.33, 84.36, 97.39, 86.22, 86.26, 87.76, 92.83, 80.05, 84.05, 91.27, 94.19, 90.70, 90.79, 84.26}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-47	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {86.5, 78.75, 91.85, 84.63, 74.85, 63, 88.95, 79.5, 87.45, 87.55, 91.5, 91.5, 94, 89.7, 85.05, 89.25, 85.45, 88.65, 89.75, 86, 81.6, 89.6, 90.4, 88.75, 91.45, 91.75, 84.75, 91.5, 88.25, 87.25, 88.32, 79.75}
rand	= 0.07
(T - P)	= {5, 4.1, 2.3, 10.48, 10.1, 3.5, 0.95, 2.8, 2.2, 10, 2.85, 6.5, 21.05, 16.05, 3.2, 0.25, 2.8, 7.6, 0.55, 1.75, 14.9, 3.6, 4.4, 1.05, 1.3, 12.45, 0.75, 0.25, 5.6, 3.25, 2.33, 4.25}
rand . (T - P)	= {0.35, 0.29, 0.16, 0.73, 0.71, 0.25, 0.07, 0.20, 0.15, 0.70, 0.20, 0.46, 1.47, 1.12, 0.22, 0.02, 0.20, 0.53, 0.04, 0.12, 1.04, 0.25, 0.31, 0.07, 0.09, 0.87, 0.05, 0.02, 0.39, 0.23, 0.16, 0.30}
Xnew = P + (rand . (T - P))	= {81.85, 83.14, 94.31, 74.88, 85.66, 66.75, 88.07, 82.50, 85.40, 98.25, 88.85, 85.46, 74.42, 74.77, 88.47, 89.52, 82.85, 81.58, 90.34, 84.37, 97.54, 86.25, 86.31, 87.77, 92.84, 80.17, 84.05, 91.27, 94.24, 90.73, 90.81, 84.30}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-48	

P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{86.5, 78.75, 91.85, 84.63, 74.85, 63, 88.95, 79.5, 87.45, 87.55, 91.5, 91.5, 94, 89.7, 85.05, 89.25, 85.45, 88.65, 89.75, 86, 81.6, 89.6, 90.4, 88.75, 91.45, 91.75, 84.75, 91.5, 88.25, 87.25, 88.32, 79.75}
rand	=	0.08
(T - P)	=	{5, 4.1, 2.3, 10.48, 10.1, 3.5, 0.95, 2.8, 2.2, 10, 2.85, 6.5, 21.05, 16.05, 3.2, 0.25, 2.8, 7.6, 0.55, 1.75, 14.9, 3.6, 4.4, 1.05, 1.3, 12.45, 0.75, 0.25, 5.6, 3.25, 2.33, 4.25}
rand . (T - P)	=	{0.40, 0.33, 0.18, 0.84, 0.81, 0.28, 0.08, 0.22, 0.18, 0.80, 0.23, 0.52, 1.68, 1.28, 0.26, 0.02, 0.22, 0.61, 0.04, 0.14, 1.19, 0.29, 0.35, 0.08, 0.10, 1.00, 0.06, 0.02, 0.45, 0.26, 0.19, 0.34}
Xnew = P + (rand . (T - P))	=	{81.90, 83.18, 94.33, 74.99, 85.76, 66.78, 88.08, 82.52, 85.43, 98.35, 88.88, 85.52, 74.63, 74.93, 88.51, 89.52, 82.87, 81.66, 90.34, 84.39, 97.69, 86.29, 86.35, 87.78, 92.85, 80.30, 84.06, 91.27, 94.30, 90.76, 90.84, 84.34}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-49		
P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{86.5, 78.75, 91.85, 84.63, 74.85, 63, 88.95, 79.5, 87.45, 87.55, 91.5, 91.5, 94, 89.7, 85.05, 89.25, 85.45, 88.65, 89.75, 86, 81.6, 89.6, 90.4, 88.75, 91.45, 91.75, 84.75, 91.5, 88.25, 87.25, 88.32, 79.75}
rand	=	0.09
(T - P)	=	{5, 4.1, 2.3, 10.48, 10.1, 3.5, 0.95, 2.8, 2.2, 10, 2.85, 6.5, 21.05, 16.05, 3.2, 0.25, 2.8, 7.6, 0.55, 1.75, 14.9, 3.6, 4.4, 1.05, 1.3, 12.45, 0.75, 0.25, 5.6, 3.25, 2.33, 4.25}
rand . (T - P)	=	{0.45, 0.37, 0.21, 0.94, 0.91, 0.32, 0.09, 0.25, 0.20, 0.90, 0.26, 0.59, 1.89, 1.44, 0.29, 0.02, 0.25, 0.68, 0.05, 0.16, 1.34, 0.32, 0.40, 0.09, 0.12, 1.12, 0.07, 0.02, 0.50, 0.29, 0.21, 0.38}
Xnew = P + (rand . (T - P))	=	{81.95, 83.22, 94.36, 75.09, 85.86, 66.82, 88.09, 82.55, 85.45, 98.45, 88.91, 85.59, 74.84, 75.09, 88.54, 89.52, 82.90, 81.73, 90.35, 84.41, 97.84, 86.32, 86.40, 87.79, 92.87, 80.42, 84.07, 91.27, 94.35, 90.79, 90.86, 84.38}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-50		
P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{86.5, 78.75, 91.85, 84.63, 74.85, 63, 88.95, 79.5, 87.45, 87.55, 91.5, 91.5, 94, 89.7, 85.05, 89.25, 85.45, 88.65, 89.75, 86, 81.6, 89.6, 90.4, 88.75, 91.45, 91.75, 84.75, 91.5, 88.25, 87.25, 88.32, 79.75}
rand	=	0.1
(T - P)	=	{5, 4.1, 2.3, 10.48, 10.1, 3.5, 0.95, 2.8, 2.2, 10, 2.85, 6.5, 21.05, 16.05, 3.2, 0.25, 2.8, 7.6, 0.55, 1.75, 14.9, 3.6, 4.4, 1.05, 1.3, 12.45, 0.75, 0.25, 5.6, 3.25, 2.33, 4.25}

rand . (T - P)	= {0.50, 0.41, 0.23, 1.05, 1.01, 0.35, 0.10, 0.28, 0.22, 1.00, 0.29, 0.65, 2.11, 1.61, 0.32, 0.03, 0.28, 0.76, 0.06, 0.18, 1.49, 0.36, 0.44, 0.11, 0.13, 1.25, 0.08, 0.03, 0.56, 0.33, 0.23, 0.43}
X_{new} = P + (rand . (T - P))	= {82.00, 83.26, 94.38, 75.20, 85.96, 66.85, 88.10, 82.58, 85.47, 98.55, 88.94, 85.65, 75.06, 75.26, 88.57, 89.53, 82.93, 81.81, 90.36, 84.43, 97.99, 86.36, 86.44, 87.81, 92.88, 80.55, 84.08, 91.28, 94.41, 90.83, 90.88, 84.43}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-51	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {87.25, 71, 88.55, 74.07, 66.3, 64.75, 85.25, 85.9, 87.75, 88.45, 87.75, 91.5, 89.5, 84.3, 87.25, 86.75, 86.2, 88.2, 86.25, 89.5, 80.2, 89.8, 88.45, 88.25, 88.25, 94.5, 89, 91.5, 87.75, 87.25, 85.53, 79}
rand	= 0.01
(T - P)	= {5.75, 11.85, 5.6, 0.08, 18.65, 1.75, 2.75, 3.6, 2.5, 9.1, 0.9, 6.5, 16.55, 10.65, 1, 2.75, 3.55, 7.15, 4.05, 5.25, 16.3, 3.8, 2.45, 0.55, 4.5, 15.2, 5, 0.25, 6.1, 3.25, 5.12, 5}
rand . (T - P)	= {0.06, 0.12, 0.06, 0.00, 0.19, 0.02, 0.03, 0.04, 0.03, 0.09, 0.01, 0.07, 0.17, 0.11, 0.01, 0.03, 0.04, 0.07, 0.04, 0.05, 0.16, 0.04, 0.02, 0.01, 0.05, 0.15, 0.05, 0.00, 0.06, 0.03, 0.05, 0.05}
X_{new} = P + (rand . (T - P))	= {81.56, 82.97, 94.21, 74.15, 85.14, 66.52, 88.03, 82.34, 85.28, 97.64, 88.66, 85.07, 73.12, 73.76, 88.26, 89.53, 82.69, 81.12, 90.34, 84.30, 96.66, 86.04, 86.02, 87.71, 92.80, 79.45, 84.05, 91.25, 93.91, 90.53, 90.70, 84.05}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-52	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {87.25, 71, 88.55, 74.07, 66.3, 64.75, 85.25, 85.9, 87.75, 88.45, 87.75, 91.5, 89.5, 84.3, 87.25, 86.75, 86.2, 88.2, 86.25, 89.5, 80.2, 89.8, 88.45, 88.25, 88.25, 94.5, 89, 91.5, 87.75, 87.25, 85.53, 79}
rand	= 0.02
(T - P)	= {5.75, 11.85, 5.6, 0.08, 18.65, 1.75, 2.75, 3.6, 2.5, 9.1, 0.9, 6.5, 16.55, 10.65, 1, 2.75, 3.55, 7.15, 4.05, 5.25, 16.3, 3.8, 2.45, 0.55, 4.5, 15.2, 5, 0.25, 6.1, 3.25, 5.12, 5}
rand . (T - P)	= {0.12, 0.24, 0.11, 0.00, 0.37, 0.04, 0.06, 0.07, 0.05, 0.18, 0.02, 0.13, 0.33, 0.21, 0.02, 0.06, 0.07, 0.14, 0.08, 0.11, 0.33, 0.08, 0.05, 0.01, 0.09, 0.30, 0.10, 0.01, 0.12, 0.07, 0.10, 0.10}
X_{new} = P + (rand . (T - P))	= {81.62, 83.09, 94.26, 74.15, 85.32, 66.54, 88.06, 82.37, 85.30, 97.73, 88.67, 85.13, 73.28, 73.86, 88.27, 89.56, 82.72, 81.19, 90.38, 84.36, 96.83, 86.08, 86.05, 87.71, 92.84, 79.60, 84.10, 91.26, 93.97, 90.57, 90.75, 84.10}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-53	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}

T(tetangga acuan)	=	{87.25, 71, 88.55, 74.07, 66.3, 64.75, 85.25, 85.9, 87.75, 88.45, 87.75, 91.5, 89.5, 84.3, 87.25, 86.75, 86.2, 88.2, 86.25, 89.5, 80.2, 89.8, 88.45, 88.25, 88.25, 94.5, 89, 91.5, 87.75, 87.25, 85.53, 79}
rand	=	0.03
(T - P)	=	{5.75, 11.85, 5.6, 0.08, 18.65, 1.75, 2.75, 3.6, 2.5, 9.1, 0.9, 6.5, 16.55, 10.65, 1, 2.75, 3.55, 7.15, 4.05, 5.25, 16.3, 3.8, 2.45, 0.55, 4.5, 15.2, 5, 0.25, 6.1, 3.25, 5.12, 5}
rand . (T - P)	=	{0.17, 0.36, 0.17, 0.00, 0.56, 0.05, 0.08, 0.11, 0.08, 0.27, 0.03, 0.20, 0.50, 0.32, 0.03, 0.08, 0.11, 0.21, 0.12, 0.16, 0.49, 0.11, 0.07, 0.02, 0.14, 0.46, 0.15, 0.01, 0.18, 0.10, 0.15, 0.15}
X_{new} = P + (rand . (T - P))	=	{81.67, 83.21, 94.32, 74.15, 85.51, 66.55, 88.08, 82.41, 85.33, 97.82, 88.68, 85.20, 73.45, 73.97, 88.28, 89.58, 82.76, 81.26, 90.42, 84.41, 96.99, 86.11, 86.07, 87.72, 92.89, 79.76, 84.15, 91.26, 94.03, 90.60, 90.80, 84.15}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-54		
P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{87.25, 71, 88.55, 74.07, 66.3, 64.75, 85.25, 85.9, 87.75, 88.45, 87.75, 91.5, 89.5, 84.3, 87.25, 86.75, 86.2, 88.2, 86.25, 89.5, 80.2, 89.8, 88.45, 88.25, 88.25, 94.5, 89, 91.5, 87.75, 87.25, 85.53, 79}
rand	=	0.04
(T - P)	=	{5.75, 11.85, 5.6, 0.08, 18.65, 1.75, 2.75, 3.6, 2.5, 9.1, 0.9, 6.5, 16.55, 10.65, 1, 2.75, 3.55, 7.15, 4.05, 5.25, 16.3, 3.8, 2.45, 0.55, 4.5, 15.2, 5, 0.25, 6.1, 3.25, 5.12, 5}
rand . (T - P)	=	{0.23, 0.47, 0.22, 0.00, 0.75, 0.07, 0.11, 0.14, 0.10, 0.36, 0.04, 0.26, 0.66, 0.43, 0.04, 0.11, 0.14, 0.29, 0.16, 0.21, 0.65, 0.15, 0.10, 0.02, 0.18, 0.61, 0.20, 0.01, 0.24, 0.13, 0.20, 0.20}
X_{new} = P + (rand . (T - P))	=	{81.73, 83.32, 94.37, 74.15, 85.70, 66.57, 88.11, 82.44, 85.35, 97.91, 88.69, 85.26, 73.61, 74.08, 88.29, 89.61, 82.79, 81.34, 90.46, 84.46, 97.15, 86.15, 86.10, 87.72, 92.93, 79.91, 84.20, 91.26, 94.09, 90.63, 90.85, 84.20}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-55		
P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{87.25, 71, 88.55, 74.07, 66.3, 64.75, 85.25, 85.9, 87.75, 88.45, 87.75, 91.5, 89.5, 84.3, 87.25, 86.75, 86.2, 88.2, 86.25, 89.5, 80.2, 89.8, 88.45, 88.25, 88.25, 94.5, 89, 91.5, 87.75, 87.25, 85.53, 79}
rand	=	0.05
(T - P)	=	{5.75, 11.85, 5.6, 0.08, 18.65, 1.75, 2.75, 3.6, 2.5, 9.1, 0.9, 6.5, 16.55, 10.65, 1, 2.75, 3.55, 7.15, 4.05, 5.25, 16.3, 3.8, 2.45, 0.55, 4.5, 15.2, 5, 0.25, 6.1, 3.25, 5.12, 5}
rand . (T - P)	=	{0.29, 0.59, 0.28, 0.00, 0.93, 0.09, 0.14, 0.18, 0.13, 0.46, 0.05, 0.33, 0.83, 0.53, 0.05, 0.14, 0.18, 0.36, 0.20, 0.26, 0.82, 0.19, 0.12, 0.03, 0.23, 0.76, 0.25, 0.01, 0.31, 0.16, 0.26, 0.25}

X_{new} = P + (rand . (T - P))	= {81.79, 83.44, 94.43, 74.15, 85.88, 66.59, 88.14, 82.48, 85.38, 98.01, 88.70, 85.33, 73.78, 74.18, 88.30, 89.64, 82.83, 81.41, 90.50, 84.51, 97.32, 86.19, 86.12, 87.73, 92.98, 80.06, 84.25, 91.26, 94.16, 90.66, 90.91, 84.25}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-56	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {87.25, 71, 88.55, 74.07, 66.3, 64.75, 85.25, 85.9, 87.75, 88.45, 87.75, 91.5, 89.5, 84.3, 87.25, 86.75, 86.2, 88.2, 86.25, 89.5, 80.2, 89.8, 88.45, 88.25, 88.25, 94.5, 89, 91.5, 87.75, 87.25, 85.53, 79}
rand (T - P)	= 0.06
(T - P)	= {5.75, 11.85, 5.6, 0.08, 18.65, 1.75, 2.75, 3.6, 2.5, 9.1, 0.9, 6.5, 16.55, 10.65, 1, 2.75, 3.55, 7.15, 4.05, 5.25, 16.3, 3.8, 2.45, 0.55, 4.5, 15.2, 5, 0.25, 6.1, 3.25, 5.12, 5}
rand . (T - P)	= {0.35, 0.71, 0.34, 0.00, 1.12, 0.11, 0.17, 0.22, 0.15, 0.55, 0.05, 0.39, 0.99, 0.64, 0.06, 0.17, 0.21, 0.43, 0.24, 0.32, 0.98, 0.23, 0.15, 0.03, 0.27, 0.91, 0.30, 0.02, 0.37, 0.20, 0.31, 0.30}
X_{new} = P + (rand . (T - P))	= {81.85, 83.56, 94.49, 74.15, 86.07, 66.61, 88.17, 82.52, 85.40, 98.10, 88.70, 85.39, 73.94, 74.29, 88.31, 89.67, 82.86, 81.48, 90.54, 84.57, 97.48, 86.23, 86.15, 87.73, 93.02, 80.21, 84.30, 91.27, 94.22, 90.70, 90.96, 84.30}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-57	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {87.25, 71, 88.55, 74.07, 66.3, 64.75, 85.25, 85.9, 87.75, 88.45, 87.75, 91.5, 89.5, 84.3, 87.25, 86.75, 86.2, 88.2, 86.25, 89.5, 80.2, 89.8, 88.45, 88.25, 88.25, 94.5, 89, 91.5, 87.75, 87.25, 85.53, 79}
rand (T - P)	= 0.07
(T - P)	= {5.75, 11.85, 5.6, 0.08, 18.65, 1.75, 2.75, 3.6, 2.5, 9.1, 0.9, 6.5, 16.55, 10.65, 1, 2.75, 3.55, 7.15, 4.05, 5.25, 16.3, 3.8, 2.45, 0.55, 4.5, 15.2, 5, 0.25, 6.1, 3.25, 5.12, 5}
rand . (T - P)	= {0.40, 0.83, 0.39, 0.01, 1.31, 0.12, 0.19, 0.25, 0.18, 0.64, 0.06, 0.46, 1.16, 0.75, 0.07, 0.19, 0.25, 0.50, 0.28, 0.37, 1.14, 0.27, 0.17, 0.04, 0.32, 1.06, 0.35, 0.02, 0.43, 0.23, 0.36, 0.35}
X_{new} = P + (rand . (T - P))	= {81.90, 83.68, 94.54, 74.16, 86.26, 66.62, 88.19, 82.55, 85.43, 98.19, 88.71, 85.46, 74.11, 74.40, 88.32, 89.69, 82.90, 81.55, 90.58, 84.62, 97.64, 86.27, 86.17, 87.74, 93.07, 80.36, 84.35, 91.27, 94.28, 90.73, 91.01, 84.35}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-58	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {87.25, 71, 88.55, 74.07, 66.3, 64.75, 85.25, 85.9, 87.75, 88.45, 87.75, 91.5, 89.5, 84.3, 87.25, 86.75, 86.2, 88.2, 86.25, 89.5, 80.2, 89.8, 88.45, 88.25, 88.25, 94.5, 89, 91.5, 87.75, 87.25, 85.53, 79}

rand	= 0.08
(T - P)	= {5.75, 11.85, 5.6, 0.08, 18.65, 1.75, 2.75, 3.6, 2.5, 9.1, 0.9, 6.5, 16.55, 10.65, 1, 2.75, 3.55, 7.15, 4.05, 5.25, 16.3, 3.8, 2.45, 0.55, 4.5, 15.2, 5, 0.25, 6.1, 3.25, 5.12, 5}
rand . (T - P)	= {0.46, 0.95, 0.45, 0.01, 1.49, 0.14, 0.22, 0.29, 0.20, 0.73, 0.07, 0.52, 1.32, 0.85, 0.08, 0.22, 0.28, 0.57, 0.32, 0.42, 1.30, 0.30, 0.20, 0.04, 0.36, 1.22, 0.40, 0.02, 0.49, 0.26, 0.41, 0.40}
X_{new} = P + (rand . (T - P))	= {81.96, 83.80, 94.60, 74.16, 86.44, 66.64, 88.22, 82.59, 85.45, 98.28, 88.72, 85.52, 74.27, 74.50, 88.33, 89.72, 82.93, 81.62, 90.62, 84.67, 97.80, 86.30, 86.20, 87.74, 93.11, 80.52, 84.40, 91.27, 94.34, 90.76, 91.06, 84.40}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-59	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {87.25, 71, 88.55, 74.07, 66.3, 64.75, 85.25, 85.9, 87.75, 88.45, 87.75, 91.5, 89.5, 84.3, 87.25, 86.75, 86.2, 88.2, 86.25, 89.5, 80.2, 89.8, 88.45, 88.25, 88.25, 94.5, 89, 91.5, 87.75, 87.25, 85.53, 79}
rand	= 0.09
(T - P)	= {5.75, 11.85, 5.6, 0.08, 18.65, 1.75, 2.75, 3.6, 2.5, 9.1, 0.9, 6.5, 16.55, 10.65, 1, 2.75, 3.55, 7.15, 4.05, 5.25, 16.3, 3.8, 2.45, 0.55, 4.5, 15.2, 5, 0.25, 6.1, 3.25, 5.12, 5}
rand . (T - P)	= {0.52, 1.07, 0.50, 0.01, 1.68, 0.16, 0.25, 0.32, 0.23, 0.82, 0.08, 0.59, 1.49, 0.96, 0.09, 0.25, 0.32, 0.64, 0.36, 0.47, 1.47, 0.34, 0.22, 0.05, 0.41, 1.37, 0.45, 0.02, 0.55, 0.29, 0.46, 0.45}
X_{new} = P + (rand . (T - P))	= {82.02, 83.92, 94.65, 74.16, 86.63, 66.66, 88.25, 82.62, 85.48, 98.37, 88.73, 85.59, 74.44, 74.61, 88.34, 89.75, 82.97, 81.69, 90.66, 84.72, 97.97, 86.34, 86.22, 87.75, 93.16, 80.67, 84.45, 91.27, 94.40, 90.79, 91.11, 84.45}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-60	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {87.25, 71, 88.55, 74.07, 66.3, 64.75, 85.25, 85.9, 87.75, 88.45, 87.75, 91.5, 89.5, 84.3, 87.25, 86.75, 86.2, 88.2, 86.25, 89.5, 80.2, 89.8, 88.45, 88.25, 88.25, 94.5, 89, 91.5, 87.75, 87.25, 85.53, 79}
rand	= 0.1
(T - P)	= {5.75, 11.85, 5.6, 0.08, 18.65, 1.75, 2.75, 3.6, 2.5, 9.1, 0.9, 6.5, 16.55, 10.65, 1, 2.75, 3.55, 7.15, 4.05, 5.25, 16.3, 3.8, 2.45, 0.55, 4.5, 15.2, 5, 0.25, 6.1, 3.25, 5.12, 5}
rand . (T - P)	= {0.58, 1.19, 0.56, 0.01, 1.87, 0.18, 0.28, 0.36, 0.25, 0.91, 0.09, 0.65, 1.66, 1.07, 0.10, 0.28, 0.36, 0.72, 0.41, 0.53, 1.63, 0.38, 0.25, 0.06, 0.45, 1.52, 0.50, 0.03, 0.61, 0.33, 0.51, 0.50}
X_{new} = P + (rand . (T - P))	= {82.08, 84.04, 94.71, 74.16, 86.82, 66.68, 88.28, 82.66, 85.50, 98.46, 88.74, 85.65, 74.61, 74.72, 88.35, 89.78, 83.01, 81.77, 90.71, 84.78, 98.13, 86.38, 86.25, 87.76, 93.20, 80.82, 84.50, 91.28, 94.46, 90.83, 91.16, 84.50}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-61	

P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{90.45, 80.5, 91.75, 79.25, 76.6, 79.2, 83.55, 86.4, 83.95, 77.95, 88.55, 87.6, 87.05, 85.7, 86.5, 88.35, 87.05, 91.8, 80.05, 90.55, 88.3, 88.7, 96.57, 89.25, 82.5, 91, 93, 94.5, 87.75, 88.5, 91.2, 80}
rand	=	0.01
(T - P)	=	{8.95, 2.35, 2.4, 5.1, 8.35, 12.7, 4.45, 4.1, 1.3, 19.6, 0.1, 2.6, 14.1, 12.05, 1.75, 1.15, 4.4, 10.75, 10.25, 6.3, 8.2, 2.7, 10.57, 1.55, 10.25, 11.7, 9, 3.25, 6.1, 2, 0.55, 4}
rand . (T - P)	=	{0.09, 0.02, 0.02, 0.05, 0.08, 0.13, 0.04, 0.04, 0.01, 0.20, 0.00, 0.03, 0.14, 0.12, 0.02, 0.01, 0.04, 0.11, 0.10, 0.06, 0.08, 0.03, 0.11, 0.02, 0.10, 0.12, 0.09, 0.03, 0.06, 0.02, 0.01, 0.04}
X_{new} = P + (rand . (T - P))	=	{81.59, 82.87, 94.17, 74.20, 85.03, 66.63, 88.04, 82.34, 85.26, 97.75, 88.65, 85.03, 73.09, 73.77, 88.27, 89.51, 82.69, 81.16, 90.40, 84.31, 96.58, 86.03, 86.11, 87.72, 92.85, 79.42, 84.09, 91.28, 93.91, 90.52, 90.66, 84.04}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-62		
P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{90.45, 80.5, 91.75, 79.25, 76.6, 79.2, 83.55, 86.4, 83.95, 77.95, 88.55, 87.6, 87.05, 85.7, 86.5, 88.35, 87.05, 91.8, 80.05, 90.55, 88.3, 88.7, 96.57, 89.25, 82.5, 91, 93, 94.5, 87.75, 88.5, 91.2, 80}
rand	=	0.02
(T - P)	=	{8.95, 2.35, 2.4, 5.1, 8.35, 12.7, 4.45, 4.1, 1.3, 19.6, 0.1, 2.6, 14.1, 12.05, 1.75, 1.15, 4.4, 10.75, 10.25, 6.3, 8.2, 2.7, 10.57, 1.55, 10.25, 11.7, 9, 3.25, 6.1, 2, 0.55, 4}
rand . (T - P)	=	{0.18, 0.05, 0.05, 0.10, 0.17, 0.25, 0.09, 0.08, 0.03, 0.39, 0.00, 0.05, 0.28, 0.24, 0.04, 0.02, 0.09, 0.22, 0.21, 0.13, 0.16, 0.05, 0.21, 0.03, 0.21, 0.23, 0.18, 0.07, 0.12, 0.04, 0.01, 0.08}
X_{new} = P + (rand . (T - P))	=	{81.68, 82.90, 94.20, 74.25, 85.12, 66.75, 88.09, 82.38, 85.28, 97.94, 88.65, 85.05, 73.23, 73.89, 88.29, 89.52, 82.74, 81.27, 90.51, 84.38, 96.66, 86.05, 86.21, 87.73, 92.96, 79.53, 84.18, 91.32, 93.97, 90.54, 90.66, 84.08}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-63		
P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{90.45, 80.5, 91.75, 79.25, 76.6, 79.2, 83.55, 86.4, 83.95, 77.95, 88.55, 87.6, 87.05, 85.7, 86.5, 88.35, 87.05, 91.8, 80.05, 90.55, 88.3, 88.7, 96.57, 89.25, 82.5, 91, 93, 94.5, 87.75, 88.5, 91.2, 80}
rand	=	0.03
(T - P)	=	{8.95, 2.35, 2.4, 5.1, 8.35, 12.7, 4.45, 4.1, 1.3, 19.6, 0.1, 2.6, 14.1, 12.05, 1.75, 1.15, 4.4, 10.75, 10.25, 6.3, 8.2, 2.7, 10.57, 1.55, 10.25, 11.7, 9, 3.25, 6.1, 2, 0.55, 4}

rand . (T - P)	= {0.27, 0.07, 0.07, 0.15, 0.25, 0.38, 0.13, 0.12, 0.04, 0.59, 0.00, 0.08, 0.42, 0.36, 0.05, 0.03, 0.13, 0.32, 0.31, 0.19, 0.25, 0.08, 0.32, 0.05, 0.31, 0.35, 0.27, 0.10, 0.18, 0.06, 0.02, 0.12}
Xnew = P + (rand . (T - P))	= {81.77, 82.92, 94.22, 74.30, 85.20, 66.88, 88.13, 82.42, 85.29, 98.14, 88.65, 85.08, 73.37, 74.01, 88.30, 89.53, 82.78, 81.37, 90.61, 84.44, 96.75, 86.08, 86.32, 87.75, 93.06, 79.65, 84.27, 91.35, 94.03, 90.56, 90.67, 84.12}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-64	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {90.45, 80.5, 91.75, 79.25, 76.6, 79.2, 83.55, 86.4, 83.95, 77.95, 88.55, 87.6, 87.05, 85.7, 86.5, 88.35, 87.05, 91.8, 80.05, 90.55, 88.3, 88.7, 96.57, 89.25, 82.5, 91, 93, 94.5, 87.75, 88.5, 91.2, 80}
rand	= 0.04
(T - P)	= {8.95, 2.35, 2.4, 5.1, 8.35, 12.7, 4.45, 4.1, 1.3, 19.6, 0.1, 2.6, 14.1, 12.05, 1.75, 1.15, 4.4, 10.75, 10.25, 6.3, 8.2, 2.7, 10.57, 1.55, 10.25, 11.7, 9, 3.25, 6.1, 2, 0.55, 4}
rand . (T - P)	= {0.36, 0.09, 0.10, 0.20, 0.33, 0.51, 0.18, 0.16, 0.05, 0.78, 0.00, 0.10, 0.56, 0.48, 0.07, 0.05, 0.18, 0.43, 0.41, 0.25, 0.33, 0.11, 0.42, 0.06, 0.41, 0.47, 0.36, 0.13, 0.24, 0.08, 0.02, 0.16}
Xnew = P + (rand . (T - P))	= {81.86, 82.94, 94.25, 74.35, 85.28, 67.01, 88.18, 82.46, 85.30, 98.33, 88.65, 85.10, 73.51, 74.13, 88.32, 89.55, 82.83, 81.48, 90.71, 84.50, 96.83, 86.11, 86.42, 87.76, 93.16, 79.77, 84.36, 91.38, 94.09, 90.58, 90.67, 84.16}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-65	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {90.45, 80.5, 91.75, 79.25, 76.6, 79.2, 83.55, 86.4, 83.95, 77.95, 88.55, 87.6, 87.05, 85.7, 86.5, 88.35, 87.05, 91.8, 80.05, 90.55, 88.3, 88.7, 96.57, 89.25, 82.5, 91, 93, 94.5, 87.75, 88.5, 91.2, 80}
rand	= 0.05
(T - P)	= {8.95, 2.35, 2.4, 5.1, 8.35, 12.7, 4.45, 4.1, 1.3, 19.6, 0.1, 2.6, 14.1, 12.05, 1.75, 1.15, 4.4, 10.75, 10.25, 6.3, 8.2, 2.7, 10.57, 1.55, 10.25, 11.7, 9, 3.25, 6.1, 2, 0.55, 4}
rand . (T - P)	= {0.45, 0.12, 0.12, 0.26, 0.42, 0.64, 0.22, 0.21, 0.07, 0.98, 0.01, 0.13, 0.71, 0.60, 0.09, 0.06, 0.22, 0.54, 0.51, 0.32, 0.41, 0.14, 0.53, 0.08, 0.51, 0.59, 0.45, 0.16, 0.31, 0.10, 0.03, 0.20}
Xnew = P + (rand . (T - P))	= {81.95, 82.97, 94.27, 74.41, 85.37, 67.14, 88.22, 82.51, 85.32, 98.53, 88.66, 85.13, 73.66, 74.25, 88.34, 89.56, 82.87, 81.59, 90.81, 84.57, 96.91, 86.14, 86.53, 87.78, 93.26, 79.89, 84.45, 91.41, 94.16, 90.60, 90.68, 84.20}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-66	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}

T(tetangga acuan)	=	{90.45, 80.5, 91.75, 79.25, 76.6, 79.2, 83.55, 86.4, 83.95, 77.95, 88.55, 87.6, 87.05, 85.7, 86.5, 88.35, 87.05, 91.8, 80.05, 90.55, 88.3, 88.7, 96.57, 89.25, 82.5, 91, 93, 94.5, 87.75, 88.5, 91.2, 80}
rand	=	0.06
(T - P)	=	{8.95, 2.35, 2.4, 5.1, 8.35, 12.7, 4.45, 4.1, 1.3, 19.6, 0.1, 2.6, 14.1, 12.05, 1.75, 1.15, 4.4, 10.75, 10.25, 6.3, 8.2, 2.7, 10.57, 1.55, 10.25, 11.7, 9, 3.25, 6.1, 2, 0.55, 4}
rand . (T - P)	=	{0.54, 0.14, 0.14, 0.31, 0.50, 0.76, 0.27, 0.25, 0.08, 1.18, 0.01, 0.16, 0.85, 0.72, 0.11, 0.07, 0.26, 0.65, 0.62, 0.38, 0.49, 0.16, 0.63, 0.09, 0.62, 0.70, 0.54, 0.20, 0.37, 0.12, 0.03, 0.24}
X_{new} = P + (rand . (T - P))	=	{82.04, 82.99, 94.29, 74.46, 85.45, 67.26, 88.27, 82.55, 85.33, 98.73, 88.66, 85.16, 73.80, 74.37, 88.36, 89.57, 82.91, 81.70, 90.92, 84.63, 96.99, 86.16, 86.63, 87.79, 93.37, 80.00, 84.54, 91.45, 94.22, 90.62, 90.68, 84.24}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-67		
P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{90.45, 80.5, 91.75, 79.25, 76.6, 79.2, 83.55, 86.4, 83.95, 77.95, 88.55, 87.6, 87.05, 85.7, 86.5, 88.35, 87.05, 91.8, 80.05, 90.55, 88.3, 88.7, 96.57, 89.25, 82.5, 91, 93, 94.5, 87.75, 88.5, 91.2, 80}
rand	=	0.07
(T - P)	=	{8.95, 2.35, 2.4, 5.1, 8.35, 12.7, 4.45, 4.1, 1.3, 19.6, 0.1, 2.6, 14.1, 12.05, 1.75, 1.15, 4.4, 10.75, 10.25, 6.3, 8.2, 2.7, 10.57, 1.55, 10.25, 11.7, 9, 3.25, 6.1, 2, 0.55, 4}
rand . (T - P)	=	{0.63, 0.16, 0.17, 0.36, 0.58, 0.89, 0.31, 0.29, 0.09, 1.37, 0.01, 0.18, 0.99, 0.84, 0.12, 0.08, 0.31, 0.75, 0.72, 0.44, 0.57, 0.19, 0.74, 0.11, 0.72, 0.82, 0.63, 0.23, 0.43, 0.14, 0.04, 0.28}
X_{new} = P + (rand . (T - P))	=	{82.13, 83.01, 94.32, 74.51, 85.53, 67.39, 88.31, 82.59, 85.34, 98.92, 88.66, 85.18, 73.94, 74.49, 88.37, 89.58, 82.96, 81.80, 91.02, 84.69, 97.07, 86.19, 86.74, 87.81, 93.47, 80.12, 84.63, 91.48, 94.28, 90.64, 90.69, 84.28}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-68		
P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{90.45, 80.5, 91.75, 79.25, 76.6, 79.2, 83.55, 86.4, 83.95, 77.95, 88.55, 87.6, 87.05, 85.7, 86.5, 88.35, 87.05, 91.8, 80.05, 90.55, 88.3, 88.7, 96.57, 89.25, 82.5, 91, 93, 94.5, 87.75, 88.5, 91.2, 80}
rand	=	0.08
(T - P)	=	{8.95, 2.35, 2.4, 5.1, 8.35, 12.7, 4.45, 4.1, 1.3, 19.6, 0.1, 2.6, 14.1, 12.05, 1.75, 1.15, 4.4, 10.75, 10.25, 6.3, 8.2, 2.7, 10.57, 1.55, 10.25, 11.7, 9, 3.25, 6.1, 2, 0.55, 4}
rand . (T - P)	=	{0.72, 0.19, 0.19, 0.41, 0.67, 1.02, 0.36, 0.33, 0.10, 1.57, 0.01, 0.21, 1.13, 0.96, 0.14, 0.09, 0.35, 0.86, 0.82, 0.50, 0.66, 0.22, 0.85, 0.12, 0.82, 0.94, 0.72, 0.26, 0.49, 0.16, 0.04, 0.32}

X_{new} = P + (rand . (T - P))	= {82.22, 83.04, 94.34, 74.56, 85.62, 67.52, 88.36, 82.63, 85.35, 99.12, 88.66, 85.21, 74.08, 74.61, 88.39, 89.59, 83.00, 81.91, 91.12, 84.75, 97.16, 86.22, 86.85, 87.82, 93.57, 80.24, 84.72, 91.51, 94.34, 90.66, 90.69, 84.32}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-69	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {90.45, 80.5, 91.75, 79.25, 76.6, 79.2, 83.55, 86.4, 83.95, 77.95, 88.55, 87.6, 87.05, 85.7, 86.5, 88.35, 87.05, 91.8, 80.05, 90.55, 88.3, 88.7, 96.57, 89.25, 82.5, 91, 93, 94.5, 87.75, 88.5, 91.2, 80}
rand	= 0.09
(T - P)	= {8.95, 2.35, 2.4, 5.1, 8.35, 12.7, 4.45, 4.1, 1.3, 19.6, 0.1, 2.6, 14.1, 12.05, 1.75, 1.15, 4.4, 10.75, 10.25, 6.3, 8.2, 2.7, 10.57, 1.55, 10.25, 11.7, 9, 3.25, 6.1, 2, 0.55, 4}
rand . (T - P)	= {0.81, 0.21, 0.22, 0.46, 0.75, 1.14, 0.40, 0.37, 0.12, 1.76, 0.01, 0.23, 1.27, 1.08, 0.16, 0.10, 0.40, 0.97, 0.92, 0.57, 0.74, 0.24, 0.95, 0.14, 0.92, 1.05, 0.81, 0.29, 0.55, 0.18, 0.05, 0.36}
X_{new} = P + (rand . (T - P))	= {82.31, 83.06, 94.37, 74.61, 85.70, 67.64, 88.40, 82.67, 85.37, 99.31, 88.66, 85.23, 74.22, 74.73, 88.41, 89.60, 83.05, 82.02, 91.22, 84.82, 97.24, 86.24, 86.95, 87.84, 93.67, 80.35, 84.81, 91.54, 94.40, 90.68, 90.70, 84.36}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-70	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {90.45, 80.5, 91.75, 79.25, 76.6, 79.2, 83.55, 86.4, 83.95, 77.95, 88.55, 87.6, 87.05, 85.7, 86.5, 88.35, 87.05, 91.8, 80.05, 90.55, 88.3, 88.7, 96.57, 89.25, 82.5, 91, 93, 94.5, 87.75, 88.5, 91.2, 80}
rand	= 0.1
(T - P)	= {8.95, 2.35, 2.4, 5.1, 8.35, 12.7, 4.45, 4.1, 1.3, 19.6, 0.1, 2.6, 14.1, 12.05, 1.75, 1.15, 4.4, 10.75, 10.25, 6.3, 8.2, 2.7, 10.57, 1.55, 10.25, 11.7, 9, 3.25, 6.1, 2, 0.55, 4}
rand . (T - P)	= {0.90, 0.24, 0.24, 0.51, 0.84, 1.27, 0.45, 0.41, 0.13, 1.96, 0.01, 0.26, 1.41, 1.21, 0.18, 0.12, 0.44, 1.08, 1.03, 0.63, 0.82, 0.27, 1.06, 0.16, 1.03, 1.17, 0.90, 0.33, 0.61, 0.20, 0.06, 0.40}
X_{new} = P + (rand . (T - P))	= {82.40, 83.09, 94.39, 74.66, 85.79, 67.77, 88.45, 82.71, 85.38, 99.51, 88.66, 85.26, 74.36, 74.86, 88.43, 89.62, 83.09, 82.13, 91.33, 84.88, 97.32, 86.27, 87.06, 87.86, 93.78, 80.47, 84.90, 91.58, 94.46, 90.70, 90.71, 84.40}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-71	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {87.7, 89.8, 87.3, 86.5, 90.05, 81.15, 88.15, 85.5, 88.45, 86.9, 94.75, 92.2, 72, 95.7, 84.95, 80.5, 88.5, 87.45, 86.78, 89.7, 81.05, 80.75, 87.25, 87.6, 95.75, 87.15, 97, 85.5, 87.26, 88.45, 92.83, 78.7}

rand	= 0.01
(T - P)	= {6.2, 6.95, 6.85, 12.35, 5.1, 14.65, 0.15, 3.2, 3.2, 10.65, 6.1, 7.2, 0.95, 22.05, 3.3, 9, 5.85, 6.4, 3.52, 5.45, 15.45, 5.25, 1.25, 0.1, 3, 7.85, 13, 5.75, 6.59, 2.05, 2.18, 5.3}
rand . (T - P)	= {0.06, 0.07, 0.07, 0.12, 0.05, 0.15, 0.00, 0.03, 0.03, 0.11, 0.06, 0.07, 0.01, 0.22, 0.03, 0.09, 0.06, 0.06, 0.04, 0.05, 0.15, 0.05, 0.01, 0.00, 0.03, 0.08, 0.13, 0.06, 0.07, 0.02, 0.02, 0.05}
Xnew = P + (rand . (T - P))	= {81.56, 82.92, 94.22, 74.27, 85.00, 66.65, 88.00, 82.33, 85.28, 97.66, 88.71, 85.07, 72.96, 73.87, 88.28, 89.59, 82.71, 81.11, 90.34, 84.30, 96.65, 86.05, 86.01, 87.70, 92.78, 79.38, 84.13, 91.31, 93.92, 90.52, 90.67, 84.05}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-72	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {87.7, 89.8, 87.3, 86.5, 90.05, 81.15, 88.15, 85.5, 88.45, 86.9, 94.75, 92.2, 72, 95.7, 84.95, 80.5, 88.5, 87.45, 86.78, 89.7, 81.05, 80.75, 87.25, 87.6, 95.75, 87.15, 97, 85.5, 87.26, 88.45, 92.83, 78.7}
rand	= 0.02
(T - P)	= {6.2, 6.95, 6.85, 12.35, 5.1, 14.65, 0.15, 3.2, 3.2, 10.65, 6.1, 7.2, 0.95, 22.05, 3.3, 9, 5.85, 6.4, 3.52, 5.45, 15.45, 5.25, 1.25, 0.1, 3, 7.85, 13, 5.75, 6.59, 2.05, 2.18, 5.3}
rand . (T - P)	= {0.12, 0.14, 0.14, 0.25, 0.10, 0.29, 0.00, 0.06, 0.06, 0.21, 0.12, 0.14, 0.02, 0.44, 0.07, 0.18, 0.12, 0.13, 0.07, 0.11, 0.31, 0.11, 0.03, 0.00, 0.06, 0.16, 0.26, 0.12, 0.13, 0.04, 0.04, 0.11}
Xnew = P + (rand . (T - P))	= {81.62, 82.99, 94.29, 74.40, 85.05, 66.79, 88.00, 82.36, 85.31, 97.76, 88.77, 85.14, 72.97, 74.09, 88.32, 89.68, 82.77, 81.18, 90.37, 84.36, 96.81, 86.11, 86.03, 87.70, 92.81, 79.46, 84.26, 91.37, 93.98, 90.54, 90.69, 84.11}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-73	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {87.7, 89.8, 87.3, 86.5, 90.05, 81.15, 88.15, 85.5, 88.45, 86.9, 94.75, 92.2, 72, 95.7, 84.95, 80.5, 88.5, 87.45, 86.78, 89.7, 81.05, 80.75, 87.25, 87.6, 95.75, 87.15, 97, 85.5, 87.26, 88.45, 92.83, 78.7}
rand	= 0.03
(T - P)	= {6.2, 6.95, 6.85, 12.35, 5.1, 14.65, 0.15, 3.2, 3.2, 10.65, 6.1, 7.2, 0.95, 22.05, 3.3, 9, 5.85, 6.4, 3.52, 5.45, 15.45, 5.25, 1.25, 0.1, 3, 7.85, 13, 5.75, 6.59, 2.05, 2.18, 5.3}
rand . (T - P)	= {0.19, 0.21, 0.21, 0.37, 0.15, 0.44, 0.00, 0.10, 0.10, 0.32, 0.18, 0.22, 0.03, 0.66, 0.10, 0.27, 0.18, 0.19, 0.11, 0.16, 0.46, 0.16, 0.04, 0.00, 0.09, 0.24, 0.39, 0.17, 0.20, 0.06, 0.07, 0.16}
Xnew = P + (rand . (T - P))	= {81.69, 83.06, 94.36, 74.52, 85.10, 66.94, 88.00, 82.40, 85.35, 97.87, 88.83, 85.22, 72.98, 74.31, 88.35, 89.77, 82.83, 81.24, 90.41, 84.41, 96.96, 86.16, 86.04, 87.70, 92.84, 79.54, 84.39, 91.42, 94.05, 90.56, 90.72, 84.16}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-74	

P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{87.7, 89.8, 87.3, 86.5, 90.05, 81.15, 88.15, 85.5, 88.45, 86.9, 94.75, 92.2, 72, 95.7, 84.95, 80.5, 88.5, 87.45, 86.78, 89.7, 81.05, 80.75, 87.25, 87.6, 95.75, 87.15, 97, 85.5, 87.26, 88.45, 92.83, 78.7}
rand	=	0.04
(T - P)	=	{6.2, 6.95, 6.85, 12.35, 5.1, 14.65, 0.15, 3.2, 3.2, 10.65, 6.1, 7.2, 0.95, 22.05, 3.3, 9, 5.85, 6.4, 3.52, 5.45, 15.45, 5.25, 1.25, 0.1, 3, 7.85, 13, 5.75, 6.59, 2.05, 2.18, 5.3}
rand . (T - P)	=	{0.25, 0.28, 0.27, 0.49, 0.20, 0.59, 0.01, 0.13, 0.13, 0.43, 0.24, 0.29, 0.04, 0.88, 0.13, 0.36, 0.23, 0.26, 0.14, 0.22, 0.62, 0.21, 0.05, 0.00, 0.12, 0.31, 0.52, 0.23, 0.26, 0.08, 0.09, 0.21}
X_{new} = P + (rand . (T - P))	=	{81.75, 83.13, 94.42, 74.64, 85.15, 67.09, 88.01, 82.43, 85.38, 97.98, 88.89, 85.29, 72.99, 74.53, 88.38, 89.86, 82.88, 81.31, 90.44, 84.47, 97.12, 86.21, 86.05, 87.70, 92.87, 79.61, 84.52, 91.48, 94.11, 90.58, 90.74, 84.21}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-75		
P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{87.7, 89.8, 87.3, 86.5, 90.05, 81.15, 88.15, 85.5, 88.45, 86.9, 94.75, 92.2, 72, 95.7, 84.95, 80.5, 88.5, 87.45, 86.78, 89.7, 81.05, 80.75, 87.25, 87.6, 95.75, 87.15, 97, 85.5, 87.26, 88.45, 92.83, 78.7}
rand	=	0.05
(T - P)	=	{6.2, 6.95, 6.85, 12.35, 5.1, 14.65, 0.15, 3.2, 3.2, 10.65, 6.1, 7.2, 0.95, 22.05, 3.3, 9, 5.85, 6.4, 3.52, 5.45, 15.45, 5.25, 1.25, 0.1, 3, 7.85, 13, 5.75, 6.59, 2.05, 2.18, 5.3}
rand . (T - P)	=	{0.31, 0.35, 0.34, 0.62, 0.26, 0.73, 0.01, 0.16, 0.16, 0.53, 0.31, 0.36, 0.05, 1.10, 0.17, 0.45, 0.29, 0.32, 0.18, 0.27, 0.77, 0.26, 0.06, 0.01, 0.15, 0.39, 0.65, 0.29, 0.33, 0.10, 0.11, 0.27}
X_{new} = P + (rand . (T - P))	=	{81.81, 83.20, 94.49, 74.77, 85.21, 67.23, 88.01, 82.46, 85.41, 98.08, 88.96, 85.36, 73.00, 74.75, 88.42, 89.95, 82.94, 81.37, 90.48, 84.52, 97.27, 86.26, 86.06, 87.71, 92.90, 79.69, 84.65, 91.54, 94.18, 90.60, 90.76, 84.27}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-76		
P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{87.7, 89.8, 87.3, 86.5, 90.05, 81.15, 88.15, 85.5, 88.45, 86.9, 94.75, 92.2, 72, 95.7, 84.95, 80.5, 88.5, 87.45, 86.78, 89.7, 81.05, 80.75, 87.25, 87.6, 95.75, 87.15, 97, 85.5, 87.26, 88.45, 92.83, 78.7}
rand	=	0.06
(T - P)	=	{6.2, 6.95, 6.85, 12.35, 5.1, 14.65, 0.15, 3.2, 3.2, 10.65, 6.1, 7.2, 0.95, 22.05, 3.3, 9, 5.85, 6.4, 3.52, 5.45, 15.45, 5.25, 1.25, 0.1, 3, 7.85, 13, 5.75, 6.59, 2.05, 2.18, 5.3}

rand . (T - P)	= {0.37, 0.42, 0.41, 0.74, 0.31, 0.88, 0.01, 0.19, 0.19, 0.64, 0.37, 0.43, 0.06, 1.32, 0.20, 0.54, 0.35, 0.38, 0.21, 0.33, 0.93, 0.32, 0.08, 0.01, 0.18, 0.47, 0.78, 0.35, 0.40, 0.12, 0.13, 0.32}
Xnew = P + (rand . (T - P))	= {81.87, 83.27, 94.56, 74.89, 85.26, 67.38, 88.01, 82.49, 85.44, 98.19, 89.02, 85.43, 73.01, 74.97, 88.45, 90.04, 83.00, 81.43, 90.51, 84.58, 97.43, 86.32, 86.08, 87.71, 92.93, 79.77, 84.78, 91.60, 94.25, 90.62, 90.78, 84.32}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-77	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {87.7, 89.8, 87.3, 86.5, 90.05, 81.15, 88.15, 85.5, 88.45, 86.9, 94.75, 92.2, 72, 95.7, 84.95, 80.5, 88.5, 87.45, 86.78, 89.7, 81.05, 80.75, 87.25, 87.6, 95.75, 87.15, 97, 85.5, 87.26, 88.45, 92.83, 78.7}
rand (T - P)	= 0.07
(T - P)	= {6.2, 6.95, 6.85, 12.35, 5.1, 14.65, 0.15, 3.2, 3.2, 10.65, 6.1, 7.2, 0.95, 22.05, 3.3, 9, 5.85, 6.4, 3.52, 5.45, 15.45, 5.25, 1.25, 0.1, 3, 7.85, 13, 5.75, 6.59, 2.05, 2.18, 5.3}
rand . (T - P)	= {0.43, 0.49, 0.48, 0.86, 0.36, 1.03, 0.01, 0.22, 0.22, 0.75, 0.43, 0.50, 0.07, 1.54, 0.23, 0.63, 0.41, 0.45, 0.25, 0.38, 1.08, 0.37, 0.09, 0.01, 0.21, 0.55, 0.91, 0.40, 0.46, 0.14, 0.15, 0.37}
Xnew = P + (rand . (T - P))	= {81.93, 83.34, 94.63, 75.01, 85.31, 67.53, 88.01, 82.52, 85.47, 98.30, 89.08, 85.50, 73.02, 75.19, 88.48, 90.13, 83.06, 81.50, 90.55, 84.63, 97.58, 86.37, 86.09, 87.71, 92.96, 79.85, 84.91, 91.65, 94.31, 90.64, 90.80, 84.37}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-78	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {87.7, 89.8, 87.3, 86.5, 90.05, 81.15, 88.15, 85.5, 88.45, 86.9, 94.75, 92.2, 72, 95.7, 84.95, 80.5, 88.5, 87.45, 86.78, 89.7, 81.05, 80.75, 87.25, 87.6, 95.75, 87.15, 97, 85.5, 87.26, 88.45, 92.83, 78.7}
rand (T - P)	= 0.08
(T - P)	= {6.2, 6.95, 6.85, 12.35, 5.1, 14.65, 0.15, 3.2, 3.2, 10.65, 6.1, 7.2, 0.95, 22.05, 3.3, 9, 5.85, 6.4, 3.52, 5.45, 15.45, 5.25, 1.25, 0.1, 3, 7.85, 13, 5.75, 6.59, 2.05, 2.18, 5.3}
rand . (T - P)	= {0.50, 0.56, 0.55, 0.99, 0.41, 1.17, 0.01, 0.26, 0.26, 0.85, 0.49, 0.58, 0.08, 1.76, 0.26, 0.72, 0.47, 0.51, 0.28, 0.44, 1.24, 0.42, 0.10, 0.01, 0.24, 0.63, 1.04, 0.46, 0.53, 0.16, 0.17, 0.42}
Xnew = P + (rand . (T - P))	= {82.00, 83.41, 94.70, 75.14, 85.36, 67.67, 88.01, 82.56, 85.51, 98.40, 89.14, 85.58, 73.03, 75.41, 88.51, 90.22, 83.12, 81.56, 90.58, 84.69, 97.74, 86.42, 86.10, 87.71, 92.99, 79.93, 85.04, 91.71, 94.38, 90.66, 90.82, 84.42}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-79	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}

T(tetangga acuan)	=	{87.7, 89.8, 87.3, 86.5, 90.05, 81.15, 88.15, 85.5, 88.45, 86.9, 94.75, 92.2, 72, 95.7, 84.95, 80.5, 88.5, 87.45, 86.78, 89.7, 81.05, 80.75, 87.25, 87.6, 95.75, 87.15, 97, 85.5, 87.26, 88.45, 92.83, 78.7}
rand	=	0.09
(T - P)	=	{6.2, 6.95, 6.85, 12.35, 5.1, 14.65, 0.15, 3.2, 3.2, 10.65, 6.1, 7.2, 0.95, 22.05, 3.3, 9, 5.85, 6.4, 3.52, 5.45, 15.45, 5.25, 1.25, 0.1, 3, 7.85, 13, 5.75, 6.59, 2.05, 2.18, 5.3}
rand . (T - P)	=	{0.56, 0.63, 0.62, 1.11, 0.46, 1.32, 0.01, 0.29, 0.29, 0.96, 0.55, 0.65, 0.09, 1.98, 0.30, 0.81, 0.53, 0.58, 0.32, 0.49, 1.39, 0.47, 0.11, 0.01, 0.27, 0.71, 1.17, 0.52, 0.59, 0.18, 0.20, 0.48}
X_{new} = P + (rand . (T - P))	=	{82.06, 83.48, 94.77, 75.26, 85.41, 67.82, 88.01, 82.59, 85.54, 98.51, 89.20, 85.65, 73.04, 75.63, 88.55, 90.31, 83.18, 81.63, 90.62, 84.74, 97.89, 86.47, 86.11, 87.71, 93.02, 80.01, 85.17, 91.77, 94.44, 90.68, 90.85, 84.48}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-80		
P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{87.7, 89.8, 87.3, 86.5, 90.05, 81.15, 88.15, 85.5, 88.45, 86.9, 94.75, 92.2, 72, 95.7, 84.95, 80.5, 88.5, 87.45, 86.78, 89.7, 81.05, 80.75, 87.25, 87.6, 95.75, 87.15, 97, 85.5, 87.26, 88.45, 92.83, 78.7}
rand	=	0.1
(T - P)	=	{6.2, 6.95, 6.85, 12.35, 5.1, 14.65, 0.15, 3.2, 3.2, 10.65, 6.1, 7.2, 0.95, 22.05, 3.3, 9, 5.85, 6.4, 3.52, 5.45, 15.45, 5.25, 1.25, 0.1, 3, 7.85, 13, 5.75, 6.59, 2.05, 2.18, 5.3}
rand . (T - P)	=	{0.62, 0.70, 0.69, 1.24, 0.51, 1.47, 0.02, 0.32, 0.32, 1.07, 0.61, 0.72, 0.10, 2.21, 0.33, 0.90, 0.59, 0.64, 0.35, 0.55, 1.55, 0.53, 0.13, 0.01, 0.30, 0.79, 1.30, 0.58, 0.66, 0.21, 0.22, 0.53}
X_{new} = P + (rand . (T - P))	=	{82.12, 83.55, 94.84, 75.39, 85.46, 67.97, 88.02, 82.62, 85.57, 98.62, 89.26, 85.72, 73.05, 75.86, 88.58, 90.40, 83.24, 81.69, 90.65, 84.80, 98.05, 86.53, 86.13, 87.71, 93.05, 80.09, 85.30, 91.83, 94.51, 90.71, 90.87, 84.53}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-81		
P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{90.6, 83.2, 92.95, 75.71, 71.25, 81.75, 87.4, 91.25, 81.6, 91.7, 96.6, 92.95, 95.5, 83.25, 82.5, 84.25, 83, 79.75, 84.07, 87.3, 84.9, 88.75, 92.2, 94, 82.75, 88.75, 91.5, 89.55, 86.35, 93.6, 93.25, 91.9}
rand	=	0.01
(T - P)	=	{9.1, 0.35, 1.2, 1.56, 13.7, 15.25, 0.6, 8.95, 3.65, 5.85, 7.95, 7.95, 22.55, 9.6, 5.75, 5.25, 0.35, 1.3, 6.23, 3.05, 11.6, 2.75, 6.2, 6.3, 10, 9.45, 7.5, 1.7, 7.5, 3.1, 2.6, 7.9}
rand . (T - P)	=	{0.09, 0.00, 0.01, 0.02, 0.14, 0.15, 0.01, 0.09, 0.04, 0.06, 0.08, 0.08, 0.23, 0.10, 0.06, 0.05, 0.00, 0.01, 0.06, 0.03, 0.12, 0.03, 0.06, 0.06, 0.10, 0.09, 0.08, 0.02, 0.08, 0.03, 0.03, 0.08}

X_{new} = P + (rand . (T - P))	= {81.59, 82.85, 94.16, 74.17, 85.09, 66.65, 88.01, 82.39, 85.29, 97.61, 88.73, 85.08, 73.18, 73.75, 88.31, 89.55, 82.65, 81.06, 90.36, 84.28, 96.62, 86.03, 86.06, 87.76, 92.85, 79.39, 84.08, 91.27, 93.93, 90.53, 90.68, 84.08}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-82	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {90.6, 83.2, 92.95, 75.71, 71.25, 81.75, 87.4, 91.25, 81.6, 91.7, 96.6, 92.95, 95.5, 83.25, 82.5, 84.25, 83, 79.75, 84.07, 87.3, 84.9, 88.75, 92.2, 94, 82.75, 88.75, 91.5, 89.55, 86.35, 93.6, 93.25, 91.9}
rand	= 0.02
(T - P)	= {9.1, 0.35, 1.2, 1.56, 13.7, 15.25, 0.6, 8.95, 3.65, 5.85, 7.95, 7.95, 22.55, 9.6, 5.75, 5.25, 0.35, 1.3, 6.23, 3.05, 11.6, 2.75, 6.2, 6.3, 10, 9.45, 7.5, 1.7, 7.5, 3.1, 2.6, 7.9}
rand . (T - P)	= {0.18, 0.01, 0.02, 0.03, 0.27, 0.31, 0.01, 0.18, 0.07, 0.12, 0.16, 0.16, 0.45, 0.19, 0.12, 0.11, 0.01, 0.03, 0.12, 0.06, 0.23, 0.06, 0.12, 0.13, 0.20, 0.19, 0.15, 0.03, 0.15, 0.06, 0.05, 0.16}
X_{new} = P + (rand . (T - P))	= {81.68, 82.86, 94.17, 74.18, 85.22, 66.81, 88.01, 82.48, 85.32, 97.67, 88.81, 85.16, 73.40, 73.84, 88.37, 89.61, 82.66, 81.08, 90.42, 84.31, 96.73, 86.06, 86.12, 87.83, 92.95, 79.49, 84.15, 91.28, 94.00, 90.56, 90.70, 84.16}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-83	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {90.6, 83.2, 92.95, 75.71, 71.25, 81.75, 87.4, 91.25, 81.6, 91.7, 96.6, 92.95, 95.5, 83.25, 82.5, 84.25, 83, 79.75, 84.07, 87.3, 84.9, 88.75, 92.2, 94, 82.75, 88.75, 91.5, 89.55, 86.35, 93.6, 93.25, 91.9}
rand	= 0.03
(T - P)	= {9.1, 0.35, 1.2, 1.56, 13.7, 15.25, 0.6, 8.95, 3.65, 5.85, 7.95, 7.95, 22.55, 9.6, 5.75, 5.25, 0.35, 1.3, 6.23, 3.05, 11.6, 2.75, 6.2, 6.3, 10, 9.45, 7.5, 1.7, 7.5, 3.1, 2.6, 7.9}
rand . (T - P)	= {0.27, 0.01, 0.04, 0.05, 0.41, 0.46, 0.02, 0.27, 0.11, 0.18, 0.24, 0.24, 0.68, 0.29, 0.17, 0.16, 0.01, 0.04, 0.19, 0.09, 0.35, 0.08, 0.19, 0.19, 0.30, 0.28, 0.23, 0.05, 0.23, 0.09, 0.08, 0.24}
X_{new} = P + (rand . (T - P))	= {81.77, 82.86, 94.19, 74.20, 85.36, 66.96, 88.02, 82.57, 85.36, 97.73, 88.89, 85.24, 73.63, 73.94, 88.42, 89.66, 82.66, 81.09, 90.49, 84.34, 96.85, 86.08, 86.19, 87.89, 93.05, 79.58, 84.23, 91.30, 94.08, 90.59, 90.73, 84.24}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-84	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {90.6, 83.2, 92.95, 75.71, 71.25, 81.75, 87.4, 91.25, 81.6, 91.7, 96.6, 92.95, 95.5, 83.25, 82.5, 84.25, 83, 79.75, 84.07, 87.3, 84.9, 88.75, 92.2, 94, 82.75, 88.75, 91.5, 89.55, 86.35, 93.6, 93.25, 91.9}

rand	= 0.04
(T - P)	= {9.1, 0.35, 1.2, 1.56, 13.7, 15.25, 0.6, 8.95, 3.65, 5.85, 7.95, 7.95, 22.55, 9.6, 5.75, 5.25, 0.35, 1.3, 6.23, 3.05, 11.6, 2.75, 6.2, 6.3, 10, 9.45, 7.5, 1.7, 7.5, 3.1, 2.6, 7.9}
rand . (T - P)	= {0.36, 0.01, 0.05, 0.06, 0.55, 0.61, 0.02, 0.36, 0.15, 0.23, 0.32, 0.32, 0.90, 0.38, 0.23, 0.21, 0.01, 0.05, 0.25, 0.12, 0.46, 0.11, 0.25, 0.25, 0.40, 0.38, 0.30, 0.07, 0.30, 0.12, 0.10, 0.32}
Xnew = P + (rand . (T - P))	= {81.86, 82.86, 94.20, 74.21, 85.50, 67.11, 88.02, 82.66, 85.40, 97.78, 88.97, 85.32, 73.85, 74.03, 88.48, 89.71, 82.66, 81.10, 90.55, 84.37, 96.96, 86.11, 86.25, 87.95, 93.15, 79.68, 84.30, 91.32, 94.15, 90.62, 90.75, 84.32}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-85	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {90.6, 83.2, 92.95, 75.71, 71.25, 81.75, 87.4, 91.25, 81.6, 91.7, 96.6, 92.95, 95.5, 83.25, 82.5, 84.25, 83, 79.75, 84.07, 87.3, 84.9, 88.75, 92.2, 94, 82.75, 88.75, 91.5, 89.55, 86.35, 93.6, 93.25, 91.9}
rand	= 0.05
(T - P)	= {9.1, 0.35, 1.2, 1.56, 13.7, 15.25, 0.6, 8.95, 3.65, 5.85, 7.95, 7.95, 22.55, 9.6, 5.75, 5.25, 0.35, 1.3, 6.23, 3.05, 11.6, 2.75, 6.2, 6.3, 10, 9.45, 7.5, 1.7, 7.5, 3.1, 2.6, 7.9}
rand . (T - P)	= {0.46, 0.02, 0.06, 0.08, 0.69, 0.76, 0.03, 0.45, 0.18, 0.29, 0.40, 0.40, 1.13, 0.48, 0.29, 0.26, 0.02, 0.07, 0.31, 0.15, 0.58, 0.14, 0.31, 0.32, 0.50, 0.47, 0.38, 0.09, 0.38, 0.16, 0.13, 0.40}
Xnew = P + (rand . (T - P))	= {81.96, 82.87, 94.21, 74.23, 85.64, 67.26, 88.03, 82.75, 85.43, 97.84, 89.05, 85.40, 74.08, 74.13, 88.54, 89.76, 82.67, 81.12, 90.61, 84.40, 97.08, 86.14, 86.31, 88.02, 93.25, 79.77, 84.38, 91.34, 94.23, 90.66, 90.78, 84.40}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-86	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {90.6, 83.2, 92.95, 75.71, 71.25, 81.75, 87.4, 91.25, 81.6, 91.7, 96.6, 92.95, 95.5, 83.25, 82.5, 84.25, 83, 79.75, 84.07, 87.3, 84.9, 88.75, 92.2, 94, 82.75, 88.75, 91.5, 89.55, 86.35, 93.6, 93.25, 91.9}
rand	= 0.06
(T - P)	= {9.1, 0.35, 1.2, 1.56, 13.7, 15.25, 0.6, 8.95, 3.65, 5.85, 7.95, 7.95, 22.55, 9.6, 5.75, 5.25, 0.35, 1.3, 6.23, 3.05, 11.6, 2.75, 6.2, 6.3, 10, 9.45, 7.5, 1.7, 7.5, 3.1, 2.6, 7.9}
rand . (T - P)	= {0.55, 0.02, 0.07, 0.09, 0.82, 0.92, 0.04, 0.54, 0.22, 0.35, 0.48, 0.48, 1.35, 0.58, 0.35, 0.32, 0.02, 0.08, 0.37, 0.18, 0.70, 0.17, 0.37, 0.38, 0.60, 0.57, 0.45, 0.10, 0.45, 0.19, 0.16, 0.47}
Xnew = P + (rand . (T - P))	= {82.05, 82.87, 94.22, 74.24, 85.77, 67.42, 88.04, 82.84, 85.47, 97.90, 89.13, 85.48, 74.30, 74.23, 88.60, 89.82, 82.67, 81.13, 90.67, 84.43, 97.20, 86.17, 86.37, 88.08, 93.35, 79.87, 84.45, 91.35, 94.30, 90.69, 90.81, 84.47}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-87	

P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{90.6, 83.2, 92.95, 75.71, 71.25, 81.75, 87.4, 91.25, 81.6, 91.7, 96.6, 92.95, 95.5, 83.25, 82.5, 84.25, 83, 79.75, 84.07, 87.3, 84.9, 88.75, 92.2, 94, 82.75, 88.75, 91.5, 89.55, 86.35, 93.6, 93.25, 91.9}
rand	=	0.07
(T - P)	=	{9.1, 0.35, 1.2, 1.56, 13.7, 15.25, 0.6, 8.95, 3.65, 5.85, 7.95, 7.95, 22.55, 9.6, 5.75, 5.25, 0.35, 1.3, 6.23, 3.05, 11.6, 2.75, 6.2, 6.3, 10, 9.45, 7.5, 1.7, 7.5, 3.1, 2.6, 7.9}
rand . (T - P)	=	{0.64, 0.02, 0.08, 0.11, 0.96, 1.07, 0.04, 0.63, 0.26, 0.41, 0.56, 0.56, 1.58, 0.67, 0.40, 0.37, 0.02, 0.09, 0.44, 0.21, 0.81, 0.19, 0.43, 0.44, 0.70, 0.66, 0.53, 0.12, 0.53, 0.22, 0.18, 0.55}
Xnew = P + (rand . (T - P))	=	{82.14, 82.87, 94.23, 74.26, 85.91, 67.57, 88.04, 82.93, 85.51, 97.96, 89.21, 85.56, 74.53, 74.32, 88.65, 89.87, 82.67, 81.14, 90.74, 84.46, 97.31, 86.19, 86.43, 88.14, 93.45, 79.96, 84.53, 91.37, 94.38, 90.72, 90.83, 84.55}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-88		
P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{90.6, 83.2, 92.95, 75.71, 71.25, 81.75, 87.4, 91.25, 81.6, 91.7, 96.6, 92.95, 95.5, 83.25, 82.5, 84.25, 83, 79.75, 84.07, 87.3, 84.9, 88.75, 92.2, 94, 82.75, 88.75, 91.5, 89.55, 86.35, 93.6, 93.25, 91.9}
rand	=	0.08
(T - P)	=	{9.1, 0.35, 1.2, 1.56, 13.7, 15.25, 0.6, 8.95, 3.65, 5.85, 7.95, 7.95, 22.55, 9.6, 5.75, 5.25, 0.35, 1.3, 6.23, 3.05, 11.6, 2.75, 6.2, 6.3, 10, 9.45, 7.5, 1.7, 7.5, 3.1, 2.6, 7.9}
rand . (T - P)	=	{0.73, 0.03, 0.10, 0.12, 1.10, 1.22, 0.05, 0.72, 0.29, 0.47, 0.64, 0.64, 1.80, 0.77, 0.46, 0.42, 0.03, 0.10, 0.50, 0.24, 0.93, 0.22, 0.50, 0.50, 0.80, 0.76, 0.60, 0.14, 0.60, 0.25, 0.21, 0.63}
Xnew = P + (rand . (T - P))	=	{82.23, 82.88, 94.25, 74.27, 86.05, 67.72, 88.05, 83.02, 85.54, 98.02, 89.29, 85.64, 74.75, 74.42, 88.71, 89.92, 82.68, 81.15, 90.80, 84.49, 97.43, 86.22, 86.50, 88.20, 93.55, 80.06, 84.60, 91.39, 94.45, 90.75, 90.86, 84.63}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-89		
P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{90.6, 83.2, 92.95, 75.71, 71.25, 81.75, 87.4, 91.25, 81.6, 91.7, 96.6, 92.95, 95.5, 83.25, 82.5, 84.25, 83, 79.75, 84.07, 87.3, 84.9, 88.75, 92.2, 94, 82.75, 88.75, 91.5, 89.55, 86.35, 93.6, 93.25, 91.9}
rand	=	0.09
(T - P)	=	{9.1, 0.35, 1.2, 1.56, 13.7, 15.25, 0.6, 8.95, 3.65, 5.85, 7.95, 7.95, 22.55, 9.6, 5.75, 5.25, 0.35, 1.3, 6.23, 3.05, 11.6, 2.75, 6.2, 6.3, 10, 9.45, 7.5, 1.7, 7.5, 3.1, 2.6, 7.9}

rand . (T - P)	= {0.82, 0.03, 0.11, 0.14, 1.23, 1.37, 0.05, 0.81, 0.33, 0.53, 0.72, 0.72, 2.03, 0.86, 0.52, 0.47, 0.03, 0.12, 0.56, 0.27, 1.04, 0.25, 0.56, 0.57, 0.90, 0.85, 0.68, 0.15, 0.68, 0.28, 0.23, 0.71}
Xnew = P + (rand . (T - P))	= {82.32, 82.88, 94.26, 74.29, 86.18, 67.87, 88.05, 83.11, 85.58, 98.08, 89.37, 85.72, 74.98, 74.51, 88.77, 89.97, 82.68, 81.17, 90.86, 84.52, 97.54, 86.25, 86.56, 88.27, 93.65, 80.15, 84.68, 91.40, 94.53, 90.78, 90.88, 84.71}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-90	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {90.6, 83.2, 92.95, 75.71, 71.25, 81.75, 87.4, 91.25, 81.6, 91.7, 96.6, 92.95, 95.5, 83.25, 82.5, 84.25, 83, 79.75, 84.07, 87.3, 84.9, 88.75, 92.2, 94, 82.75, 88.75, 91.5, 89.55, 86.35, 93.6, 93.25, 91.9}
rand	= 0.1
(T - P)	= {9.1, 0.35, 1.2, 1.56, 13.7, 15.25, 0.6, 8.95, 3.65, 5.85, 7.95, 7.95, 22.55, 9.6, 5.75, 5.25, 0.35, 1.3, 6.23, 3.05, 11.6, 2.75, 6.2, 6.3, 10, 9.45, 7.5, 1.7, 7.5, 3.1, 2.6, 7.9}
rand . (T - P)	= {0.91, 0.04, 0.12, 0.16, 1.37, 1.53, 0.06, 0.90, 0.37, 0.59, 0.80, 0.80, 2.26, 0.96, 0.58, 0.53, 0.04, 0.13, 0.62, 0.31, 1.16, 0.28, 0.62, 0.63, 1.00, 0.95, 0.75, 0.17, 0.75, 0.31, 0.26, 0.79}
Xnew = P + (rand . (T - P))	= {82.41, 82.89, 94.27, 74.31, 86.32, 68.03, 88.06, 83.20, 85.62, 98.14, 89.45, 85.80, 75.21, 74.61, 88.83, 90.03, 82.69, 81.18, 90.92, 84.56, 97.66, 86.28, 86.62, 88.33, 93.75, 80.25, 84.75, 91.42, 94.60, 90.81, 90.91, 84.79}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-91	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {79.25, 89.45, 87.65, 88.15, 88.4, 70.7, 86.6, 82.75, 87.5, 79.8, 91.4, 91.5, 70.95, 86.85, 86.4, 80.3, 85.75, 82.2, 85.73, 85.45, 80.65, 65.75, 87.25, 90, 92.6, 88.2, 97, 85.45, 82.2, 89, 92.83, 79.6}
rand	= 0.01
(T - P)	= {2.25, 6.6, 6.5, 14, 3.45, 4.2, 1.4, 0.45, 2.25, 17.75, 2.75, 6.5, 2, 13.2, 1.85, 9.2, 3.1, 1.15, 4.57, 1.2, 15.85, 20.25, 1.25, 2.3, 0.15, 8.9, 13, 5.8, 11.65, 1.5, 2.18, 4.4}
rand . (T - P)	= {0.02, 0.07, 0.07, 0.14, 0.03, 0.04, 0.01, 0.00, 0.02, 0.18, 0.03, 0.07, 0.02, 0.13, 0.02, 0.09, 0.03, 0.01, 0.05, 0.01, 0.16, 0.20, 0.01, 0.02, 0.00, 0.09, 0.13, 0.06, 0.12, 0.02, 0.02, 0.04}
Xnew = P + (rand . (T - P))	= {81.52, 82.92, 94.22, 74.29, 84.98, 66.54, 88.01, 82.30, 85.27, 97.73, 88.68, 85.07, 72.97, 73.78, 88.27, 89.59, 82.68, 81.06, 90.35, 84.26, 96.66, 86.20, 86.01, 87.72, 92.75, 79.39, 84.13, 91.31, 93.97, 90.52, 90.67, 84.04}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-92	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}

T(tetangga acuan)	=	{79.25, 89.45, 87.65, 88.15, 88.4, 70.7, 86.6, 82.75, 87.5, 79.8, 91.4, 91.5, 70.95, 86.85, 86.4, 80.3, 85.75, 82.2, 85.73, 85.45, 80.65, 65.75, 87.25, 90, 92.6, 88.2, 97, 85.45, 82.2, 89, 92.83, 79.6}
rand	=	0.02
(T - P)	=	{2.25, 6.6, 6.5, 14, 3.45, 4.2, 1.4, 0.45, 2.25, 17.75, 2.75, 6.5, 2, 13.2, 1.85, 9.2, 3.1, 1.15, 4.57, 1.2, 15.85, 20.25, 1.25, 2.3, 0.15, 8.9, 13, 5.8, 11.65, 1.5, 2.18, 4.4}
rand . (T - P)	=	{0.05, 0.13, 0.13, 0.28, 0.07, 0.08, 0.03, 0.01, 0.05, 0.36, 0.06, 0.13, 0.04, 0.26, 0.04, 0.18, 0.06, 0.02, 0.09, 0.02, 0.32, 0.41, 0.03, 0.05, 0.00, 0.18, 0.26, 0.12, 0.23, 0.03, 0.04, 0.09}
X_{new} = P + (rand . (T - P))	=	{81.55, 82.98, 94.28, 74.43, 85.02, 66.58, 88.03, 82.31, 85.30, 97.91, 88.71, 85.13, 72.99, 73.91, 88.29, 89.68, 82.71, 81.07, 90.39, 84.27, 96.82, 86.41, 86.03, 87.75, 92.75, 79.48, 84.26, 91.37, 94.08, 90.53, 90.69, 84.09}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-93		
P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{79.25, 89.45, 87.65, 88.15, 88.4, 70.7, 86.6, 82.75, 87.5, 79.8, 91.4, 91.5, 70.95, 86.85, 86.4, 80.3, 85.75, 82.2, 85.73, 85.45, 80.65, 65.75, 87.25, 90, 92.6, 88.2, 97, 85.45, 82.2, 89, 92.83, 79.6}
rand	=	0.03
(T - P)	=	{2.25, 6.6, 6.5, 14, 3.45, 4.2, 1.4, 0.45, 2.25, 17.75, 2.75, 6.5, 2, 13.2, 1.85, 9.2, 3.1, 1.15, 4.57, 1.2, 15.85, 20.25, 1.25, 2.3, 0.15, 8.9, 13, 5.8, 11.65, 1.5, 2.18, 4.4}
rand . (T - P)	=	{0.07, 0.20, 0.20, 0.42, 0.10, 0.13, 0.04, 0.01, 0.07, 0.53, 0.08, 0.20, 0.06, 0.40, 0.06, 0.28, 0.09, 0.03, 0.14, 0.04, 0.48, 0.61, 0.04, 0.07, 0.00, 0.27, 0.39, 0.17, 0.35, 0.05, 0.07, 0.13}
X_{new} = P + (rand . (T - P))	=	{81.57, 83.05, 94.35, 74.57, 85.05, 66.63, 88.04, 82.31, 85.32, 98.08, 88.73, 85.20, 73.01, 74.05, 88.31, 89.78, 82.74, 81.08, 90.44, 84.29, 96.98, 86.61, 86.04, 87.77, 92.75, 79.57, 84.39, 91.42, 94.20, 90.55, 90.72, 84.13}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-94		
P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{79.25, 89.45, 87.65, 88.15, 88.4, 70.7, 86.6, 82.75, 87.5, 79.8, 91.4, 91.5, 70.95, 86.85, 86.4, 80.3, 85.75, 82.2, 85.73, 85.45, 80.65, 65.75, 87.25, 90, 92.6, 88.2, 97, 85.45, 82.2, 89, 92.83, 79.6}
rand	=	0.04
(T - P)	=	{2.25, 6.6, 6.5, 14, 3.45, 4.2, 1.4, 0.45, 2.25, 17.75, 2.75, 6.5, 2, 13.2, 1.85, 9.2, 3.1, 1.15, 4.57, 1.2, 15.85, 20.25, 1.25, 2.3, 0.15, 8.9, 13, 5.8, 11.65, 1.5, 2.18, 4.4}
rand . (T - P)	=	{0.09, 0.26, 0.26, 0.56, 0.14, 0.17, 0.06, 0.02, 0.09, 0.71, 0.11, 0.26, 0.08, 0.53, 0.07, 0.37, 0.12, 0.05, 0.18, 0.05, 0.63, 0.81, 0.05, 0.09, 0.01, 0.36, 0.52, 0.23, 0.47, 0.06, 0.09, 0.18}

X_{new} = P + (rand . (T - P))	= {81.59, 83.11, 94.41, 74.71, 85.09, 66.67, 88.06, 82.32, 85.34, 98.26, 88.76, 85.26, 73.03, 74.18, 88.32, 89.87, 82.77, 81.10, 90.48, 84.30, 97.13, 86.81, 86.05, 87.79, 92.76, 79.66, 84.52, 91.48, 94.32, 90.56, 90.74, 84.18}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-95	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {79.25, 89.45, 87.65, 88.15, 88.4, 70.7, 86.6, 82.75, 87.5, 79.8, 91.4, 91.5, 70.95, 86.85, 86.4, 80.3, 85.75, 82.2, 85.73, 85.45, 80.65, 65.75, 87.25, 90, 92.6, 88.2, 97, 85.45, 82.2, 89, 92.83, 79.6}
rand	= 0.05
(T - P)	= {2.25, 6.6, 6.5, 14, 3.45, 4.2, 1.4, 0.45, 2.25, 17.75, 2.75, 6.5, 2, 13.2, 1.85, 9.2, 3.1, 1.15, 4.57, 1.2, 15.85, 20.25, 1.25, 2.3, 0.15, 8.9, 13, 5.8, 11.65, 1.5, 2.18, 4.4}
rand . (T - P)	= {0.11, 0.33, 0.33, 0.70, 0.17, 0.21, 0.07, 0.02, 0.11, 0.89, 0.14, 0.33, 0.10, 0.66, 0.09, 0.46, 0.16, 0.06, 0.23, 0.06, 0.79, 1.01, 0.06, 0.12, 0.01, 0.45, 0.65, 0.29, 0.58, 0.08, 0.11, 0.22}
X_{new} = P + (rand . (T - P))	= {81.61, 83.18, 94.48, 74.85, 85.12, 66.71, 88.07, 82.32, 85.36, 98.44, 88.79, 85.33, 73.05, 74.31, 88.34, 89.96, 82.81, 81.11, 90.53, 84.31, 97.29, 87.01, 86.06, 87.82, 92.76, 79.75, 84.65, 91.54, 94.43, 90.58, 90.76, 84.22}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-96	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {79.25, 89.45, 87.65, 88.15, 88.4, 70.7, 86.6, 82.75, 87.5, 79.8, 91.4, 91.5, 70.95, 86.85, 86.4, 80.3, 85.75, 82.2, 85.73, 85.45, 80.65, 65.75, 87.25, 90, 92.6, 88.2, 97, 85.45, 82.2, 89, 92.83, 79.6}
rand	= 0.06
(T - P)	= {2.25, 6.6, 6.5, 14, 3.45, 4.2, 1.4, 0.45, 2.25, 17.75, 2.75, 6.5, 2, 13.2, 1.85, 9.2, 3.1, 1.15, 4.57, 1.2, 15.85, 20.25, 1.25, 2.3, 0.15, 8.9, 13, 5.8, 11.65, 1.5, 2.18, 4.4}
rand . (T - P)	= {0.14, 0.40, 0.39, 0.84, 0.21, 0.25, 0.08, 0.03, 0.14, 1.07, 0.17, 0.39, 0.12, 0.79, 0.11, 0.55, 0.19, 0.07, 0.27, 0.07, 0.95, 1.22, 0.08, 0.14, 0.01, 0.53, 0.78, 0.35, 0.70, 0.09, 0.13, 0.26}
X_{new} = P + (rand . (T - P))	= {81.64, 83.25, 94.54, 74.99, 85.16, 66.75, 88.08, 82.33, 85.39, 98.62, 88.82, 85.39, 73.07, 74.44, 88.36, 90.05, 82.84, 81.12, 90.57, 84.32, 97.45, 87.22, 86.08, 87.84, 92.76, 79.83, 84.78, 91.60, 94.55, 90.59, 90.78, 84.26}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-97	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {79.25, 89.45, 87.65, 88.15, 88.4, 70.7, 86.6, 82.75, 87.5, 79.8, 91.4, 91.5, 70.95, 86.85, 86.4, 80.3, 85.75, 82.2, 85.73, 85.45, 80.65, 65.75, 87.25, 90, 92.6, 88.2, 97, 85.45, 82.2, 89, 92.83, 79.6}

rand	= 0.07
(T - P)	= {2.25, 6.6, 6.5, 14, 3.45, 4.2, 1.4, 0.45, 2.25, 17.75, 2.75, 6.5, 2, 13.2, 1.85, 9.2, 3.1, 1.15, 4.57, 1.2, 15.85, 20.25, 1.25, 2.3, 0.15, 8.9, 13, 5.8, 11.65, 1.5, 2.18, 4.4}
rand . (T - P)	= {0.16, 0.46, 0.46, 0.98, 0.24, 0.29, 0.10, 0.03, 0.16, 1.24, 0.19, 0.46, 0.14, 0.92, 0.13, 0.64, 0.22, 0.08, 0.32, 0.08, 1.11, 1.42, 0.09, 0.16, 0.01, 0.62, 0.91, 0.41, 0.82, 0.11, 0.15, 0.31}
X_{new} = P + (rand . (T - P))	= {81.66, 83.31, 94.61, 75.13, 85.19, 66.79, 88.10, 82.33, 85.41, 98.79, 88.84, 85.46, 73.09, 74.57, 88.38, 90.14, 82.87, 81.13, 90.62, 84.33, 97.61, 87.42, 86.09, 87.86, 92.76, 79.92, 84.91, 91.66, 94.67, 90.61, 90.80, 84.31}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-98	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {79.25, 89.45, 87.65, 88.15, 88.4, 70.7, 86.6, 82.75, 87.5, 79.8, 91.4, 91.5, 70.95, 86.85, 86.4, 80.3, 85.75, 82.2, 85.73, 85.45, 80.65, 65.75, 87.25, 90, 92.6, 88.2, 97, 85.45, 82.2, 89, 92.83, 79.6}
rand	= 0.08
(T - P)	= {2.25, 6.6, 6.5, 14, 3.45, 4.2, 1.4, 0.45, 2.25, 17.75, 2.75, 6.5, 2, 13.2, 1.85, 9.2, 3.1, 1.15, 4.57, 1.2, 15.85, 20.25, 1.25, 2.3, 0.15, 8.9, 13, 5.8, 11.65, 1.5, 2.18, 4.4}
rand . (T - P)	= {0.18, 0.53, 0.52, 1.12, 0.28, 0.34, 0.11, 0.04, 0.18, 1.42, 0.22, 0.52, 0.16, 1.06, 0.15, 0.74, 0.25, 0.09, 0.37, 0.10, 1.27, 1.62, 0.10, 0.18, 0.01, 0.71, 1.04, 0.46, 0.93, 0.12, 0.17, 0.35}
X_{new} = P + (rand . (T - P))	= {81.68, 83.38, 94.67, 75.27, 85.23, 66.84, 88.11, 82.34, 85.43, 98.97, 88.87, 85.52, 73.11, 74.71, 88.40, 90.24, 82.90, 81.14, 90.67, 84.35, 97.77, 87.62, 86.10, 87.88, 92.76, 80.01, 85.04, 91.71, 94.78, 90.62, 90.82, 84.35}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-99	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {79.25, 89.45, 87.65, 88.15, 88.4, 70.7, 86.6, 82.75, 87.5, 79.8, 91.4, 91.5, 70.95, 86.85, 86.4, 80.3, 85.75, 82.2, 85.73, 85.45, 80.65, 65.75, 87.25, 90, 92.6, 88.2, 97, 85.45, 82.2, 89, 92.83, 79.6}
rand	= 0.09
(T - P)	= {2.25, 6.6, 6.5, 14, 3.45, 4.2, 1.4, 0.45, 2.25, 17.75, 2.75, 6.5, 2, 13.2, 1.85, 9.2, 3.1, 1.15, 4.57, 1.2, 15.85, 20.25, 1.25, 2.3, 0.15, 8.9, 13, 5.8, 11.65, 1.5, 2.18, 4.4}
rand . (T - P)	= {0.20, 0.59, 0.59, 1.26, 0.31, 0.38, 0.13, 0.04, 0.20, 1.60, 0.25, 0.59, 0.18, 1.19, 0.17, 0.83, 0.28, 0.10, 0.41, 0.11, 1.43, 1.82, 0.11, 0.21, 0.01, 0.80, 1.17, 0.52, 1.05, 0.14, 0.20, 0.40}
X_{new} = P + (rand . (T - P))	= {81.70, 83.44, 94.74, 75.41, 85.26, 66.88, 88.13, 82.34, 85.45, 99.15, 88.90, 85.59, 73.13, 74.84, 88.42, 90.33, 82.93, 81.15, 90.71, 84.36, 97.93, 87.82, 86.11, 87.91, 92.76, 80.10, 85.17, 91.77, 94.90, 90.64, 90.85, 84.40}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-100	

P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{79.25, 89.45, 87.65, 88.15, 88.4, 70.7, 86.6, 82.75, 87.5, 79.8, 91.4, 91.5, 70.95, 86.85, 86.4, 80.3, 85.75, 82.2, 85.73, 85.45, 80.65, 65.75, 87.25, 90, 92.6, 88.2, 97, 85.45, 82.2, 89, 92.83, 79.6}
rand	=	0.1
(T - P)	=	{2.25, 6.6, 6.5, 14, 3.45, 4.2, 1.4, 0.45, 2.25, 17.75, 2.75, 6.5, 2, 13.2, 1.85, 9.2, 3.1, 1.15, 4.57, 1.2, 15.85, 20.25, 1.25, 2.3, 0.15, 8.9, 13, 5.8, 11.65, 1.5, 2.18, 4.4}
rand . (T - P)	=	{0.23, 0.66, 0.65, 1.40, 0.35, 0.42, 0.14, 0.05, 0.23, 1.78, 0.28, 0.65, 0.20, 1.32, 0.19, 0.92, 0.31, 0.12, 0.46, 0.12, 1.59, 2.03, 0.13, 0.23, 0.02, 0.89, 1.30, 0.58, 1.17, 0.15, 0.22, 0.44}
Xnew = P + (rand . (T - P))	=	{81.73, 83.51, 94.80, 75.55, 85.30, 66.92, 88.14, 82.35, 85.48, 99.33, 88.93, 85.65, 73.15, 74.97, 88.44, 90.42, 82.96, 81.17, 90.76, 84.37, 98.09, 88.03, 86.13, 87.93, 92.77, 80.19, 85.30, 91.83, 95.02, 90.65, 90.87, 84.44}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-101		
P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{91.3, 89.85, 100, 73.34, 100, 91, 87.8, 92.5, 83.75, 98.3, 91.35, 87, 95.75, 76.5, 82.75, 94.75, 90.3, 91.3, 94.05, 92.5, 100, 82.5, 87.25, 92.25, 89, 86.6, 84.75, 97.75, 91.9, 89.25, 95.07, 85.5}
rand	=	0.01
(T - P)	=	{9.8, 7, 5.85, 0.81, 15.05, 24.5, 0.2, 10.2, 1.5, 0.75, 2.7, 2, 22.8, 2.85, 5.5, 5.25, 7.65, 10.25, 3.75, 8.25, 3.5, 3.5, 1.25, 4.55, 3.75, 7.3, 0.75, 6.5, 1.95, 1.25, 4.42, 1.5}
rand . (T - P)	=	{0.10, 0.07, 0.06, 0.01, 0.15, 0.25, 0.00, 0.10, 0.02, 0.01, 0.03, 0.02, 0.23, 0.03, 0.06, 0.05, 0.08, 0.10, 0.04, 0.08, 0.04, 0.04, 0.01, 0.05, 0.04, 0.07, 0.01, 0.07, 0.02, 0.01, 0.04, 0.02}
Xnew = P + (rand . (T - P))	=	{81.60, 82.92, 94.21, 74.16, 85.10, 66.75, 88.00, 82.40, 85.27, 97.56, 88.68, 85.02, 73.18, 73.68, 88.31, 89.55, 82.73, 81.15, 90.34, 84.33, 96.54, 86.04, 86.01, 87.75, 92.79, 79.37, 84.01, 91.32, 93.87, 90.51, 90.69, 84.02}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-102		
P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{91.3, 89.85, 100, 73.34, 100, 91, 87.8, 92.5, 83.75, 98.3, 91.35, 87, 95.75, 76.5, 82.75, 94.75, 90.3, 91.3, 94.05, 92.5, 100, 82.5, 87.25, 92.25, 89, 86.6, 84.75, 97.75, 91.9, 89.25, 95.07, 85.5}
rand	=	0.02
(T - P)	=	{9.8, 7, 5.85, 0.81, 15.05, 24.5, 0.2, 10.2, 1.5, 0.75, 2.7, 2, 22.8, 2.85, 5.5, 5.25, 7.65, 10.25, 3.75, 8.25, 3.5, 3.5, 1.25, 4.55, 3.75, 7.3, 0.75, 6.5, 1.95, 1.25, 4.42, 1.5}
rand . (T - P)	=	{0.20, 0.14, 0.12, 0.02, 0.30, 0.49, 0.00, 0.20, 0.03, 0.02, 0.05, 0.04, 0.46, 0.06, 0.11, 0.11, 0.15, 0.21, 0.08, 0.17, 0.07, 0.07, 0.03, 0.09, 0.08, 0.15, 0.02, 0.13, 0.04, 0.03, 0.09, 0.03}

X_{new} = P + (rand . (T - P))	= {81.70, 82.99, 94.27, 74.17, 85.25, 66.99, 88.00, 82.50, 85.28, 97.57, 88.70, 85.04, 73.41, 73.71, 88.36, 89.61, 82.80, 81.26, 90.38, 84.42, 96.57, 86.07, 86.03, 87.79, 92.83, 79.45, 84.02, 91.38, 93.89, 90.53, 90.74, 84.03}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-103	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {91.3, 89.85, 100, 73.34, 100, 91, 87.8, 92.5, 83.75, 98.3, 91.35, 87, 95.75, 76.5, 82.75, 94.75, 90.3, 91.3, 94.05, 92.5, 100, 82.5, 87.25, 92.25, 89, 86.6, 84.75, 97.75, 91.9, 89.25, 95.07, 85.5}
rand	= 0.03
(T - P)	= {9.8, 7, 5.85, 0.81, 15.05, 24.5, 0.2, 10.2, 1.5, 0.75, 2.7, 2, 22.8, 2.85, 5.5, 5.25, 7.65, 10.25, 3.75, 8.25, 3.5, 3.5, 1.25, 4.55, 3.75, 7.3, 0.75, 6.5, 1.95, 1.25, 4.42, 1.5}
rand . (T - P)	= {0.29, 0.21, 0.18, 0.02, 0.45, 0.74, 0.01, 0.31, 0.05, 0.02, 0.08, 0.06, 0.68, 0.09, 0.17, 0.16, 0.23, 0.31, 0.11, 0.25, 0.11, 0.11, 0.04, 0.14, 0.11, 0.22, 0.02, 0.20, 0.06, 0.04, 0.13, 0.05}
X_{new} = P + (rand . (T - P))	= {81.79, 83.06, 94.33, 74.17, 85.40, 67.24, 88.01, 82.61, 85.30, 97.57, 88.73, 85.06, 73.63, 73.74, 88.42, 89.66, 82.88, 81.36, 90.41, 84.50, 96.61, 86.11, 86.04, 87.84, 92.86, 79.52, 84.02, 91.45, 93.91, 90.54, 90.78, 84.05}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-104	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {91.3, 89.85, 100, 73.34, 100, 91, 87.8, 92.5, 83.75, 98.3, 91.35, 87, 95.75, 76.5, 82.75, 94.75, 90.3, 91.3, 94.05, 92.5, 100, 82.5, 87.25, 92.25, 89, 86.6, 84.75, 97.75, 91.9, 89.25, 95.07, 85.5}
rand	= 0.04
(T - P)	= {9.8, 7, 5.85, 0.81, 15.05, 24.5, 0.2, 10.2, 1.5, 0.75, 2.7, 2, 22.8, 2.85, 5.5, 5.25, 7.65, 10.25, 3.75, 8.25, 3.5, 3.5, 1.25, 4.55, 3.75, 7.3, 0.75, 6.5, 1.95, 1.25, 4.42, 1.5}
rand . (T - P)	= {0.39, 0.28, 0.23, 0.03, 0.60, 0.98, 0.01, 0.41, 0.06, 0.03, 0.11, 0.08, 0.91, 0.11, 0.22, 0.21, 0.31, 0.41, 0.15, 0.33, 0.14, 0.14, 0.05, 0.18, 0.15, 0.29, 0.03, 0.26, 0.08, 0.05, 0.18, 0.06}
X_{new} = P + (rand . (T - P))	= {81.89, 83.13, 94.38, 74.18, 85.55, 67.48, 88.01, 82.71, 85.31, 97.58, 88.76, 85.08, 73.86, 73.76, 88.47, 89.71, 82.96, 81.46, 90.45, 84.58, 96.64, 86.14, 86.05, 87.88, 92.90, 79.59, 84.03, 91.51, 93.93, 90.55, 90.83, 84.06}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-105	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {91.3, 89.85, 100, 73.34, 100, 91, 87.8, 92.5, 83.75, 98.3, 91.35, 87, 95.75, 76.5, 82.75, 94.75, 90.3, 91.3, 94.05, 92.5, 100, 82.5, 87.25, 92.25, 89, 86.6, 84.75, 97.75, 91.9, 89.25, 95.07, 85.5}
rand	= 0.05

(T - P)	=	{9.8, 7, 5.85, 0.81, 15.05, 24.5, 0.2, 10.2, 1.5, 0.75, 2.7, 2, 22.8, 2.85, 5.5, 5.25, 7.65, 10.25, 3.75, 8.25, 3.5, 3.5, 1.25, 4.55, 3.75, 7.3, 0.75, 6.5, 1.95, 1.25, 4.42, 1.5}
rand . (T - P)	=	{0.49, 0.35, 0.29, 0.04, 0.75, 1.23, 0.01, 0.51, 0.08, 0.04, 0.14, 0.10, 1.14, 0.14, 0.28, 0.26, 0.38, 0.51, 0.19, 0.41, 0.18, 0.18, 0.06, 0.23, 0.19, 0.37, 0.04, 0.33, 0.10, 0.06, 0.22, 0.08}
Xnew = P + (rand . (T - P))	=	{81.99, 83.20, 94.44, 74.19, 85.70, 67.73, 88.01, 82.81, 85.33, 97.59, 88.79, 85.10, 74.09, 73.79, 88.53, 89.76, 83.03, 81.56, 90.49, 84.66, 96.68, 86.18, 86.06, 87.93, 92.94, 79.67, 84.04, 91.58, 93.95, 90.56, 90.87, 84.08}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-106		
P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{91.3, 89.85, 100, 73.34, 100, 91, 87.8, 92.5, 83.75, 98.3, 91.35, 87, 95.75, 76.5, 82.75, 94.75, 90.3, 91.3, 94.05, 92.5, 100, 82.5, 87.25, 92.25, 89, 86.6, 84.75, 97.75, 91.9, 89.25, 95.07, 85.5}
rand	=	0.06
(T - P)	=	{9.8, 7, 5.85, 0.81, 15.05, 24.5, 0.2, 10.2, 1.5, 0.75, 2.7, 2, 22.8, 2.85, 5.5, 5.25, 7.65, 10.25, 3.75, 8.25, 3.5, 3.5, 1.25, 4.55, 3.75, 7.3, 0.75, 6.5, 1.95, 1.25, 4.42, 1.5}
rand . (T - P)	=	{0.59, 0.42, 0.35, 0.05, 0.90, 1.47, 0.01, 0.61, 0.09, 0.05, 0.16, 0.12, 1.37, 0.17, 0.33, 0.32, 0.46, 0.62, 0.23, 0.50, 0.21, 0.21, 0.08, 0.27, 0.23, 0.44, 0.05, 0.39, 0.12, 0.08, 0.27, 0.09}
Xnew = P + (rand . (T - P))	=	{82.09, 83.27, 94.50, 74.20, 85.85, 67.97, 88.01, 82.91, 85.34, 97.60, 88.81, 85.12, 74.32, 73.82, 88.58, 89.82, 83.11, 81.67, 90.53, 84.75, 96.71, 86.21, 86.08, 87.97, 92.98, 79.74, 84.05, 91.64, 93.97, 90.58, 90.92, 84.09}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-107		
P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{91.3, 89.85, 100, 73.34, 100, 91, 87.8, 92.5, 83.75, 98.3, 91.35, 87, 95.75, 76.5, 82.75, 94.75, 90.3, 91.3, 94.05, 92.5, 100, 82.5, 87.25, 92.25, 89, 86.6, 84.75, 97.75, 91.9, 89.25, 95.07, 85.5}
rand	=	0.07
(T - P)	=	{9.8, 7, 5.85, 0.81, 15.05, 24.5, 0.2, 10.2, 1.5, 0.75, 2.7, 2, 22.8, 2.85, 5.5, 5.25, 7.65, 10.25, 3.75, 8.25, 3.5, 3.5, 1.25, 4.55, 3.75, 7.3, 0.75, 6.5, 1.95, 1.25, 4.42, 1.5}
rand . (T - P)	=	{0.69, 0.49, 0.41, 0.06, 1.05, 1.72, 0.01, 0.71, 0.11, 0.05, 0.19, 0.14, 1.60, 0.20, 0.39, 0.37, 0.54, 0.72, 0.26, 0.58, 0.25, 0.25, 0.09, 0.32, 0.26, 0.51, 0.05, 0.46, 0.14, 0.09, 0.31, 0.11}
Xnew = P + (rand . (T - P))	=	{82.19, 83.34, 94.56, 74.21, 86.00, 68.22, 88.01, 83.01, 85.36, 97.60, 88.84, 85.14, 74.55, 73.85, 88.64, 89.87, 83.19, 81.77, 90.56, 84.83, 96.75, 86.25, 86.09, 88.02, 93.01, 79.81, 84.05, 91.71, 93.99, 90.59, 90.96, 84.11}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-108		
P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}

T(tetangga acuan)	=	{91.3, 89.85, 100, 73.34, 100, 91, 87.8, 92.5, 83.75, 98.3, 91.35, 87, 95.75, 76.5, 82.75, 94.75, 90.3, 91.3, 94.05, 92.5, 100, 82.5, 87.25, 92.25, 89, 86.6, 84.75, 97.75, 91.9, 89.25, 95.07, 85.5}
rand	=	0.08
(T - P)	=	{9.8, 7, 5.85, 0.81, 15.05, 24.5, 0.2, 10.2, 1.5, 0.75, 2.7, 2, 22.8, 2.85, 5.5, 5.25, 7.65, 10.25, 3.75, 8.25, 3.5, 3.5, 1.25, 4.55, 3.75, 7.3, 0.75, 6.5, 1.95, 1.25, 4.42, 1.5}
rand . (T - P)	=	{0.78, 0.56, 0.47, 0.06, 1.20, 1.96, 0.02, 0.82, 0.12, 0.06, 0.22, 0.16, 1.82, 0.23, 0.44, 0.42, 0.61, 0.82, 0.30, 0.66, 0.28, 0.28, 0.10, 0.36, 0.30, 0.58, 0.06, 0.52, 0.16, 0.10, 0.35, 0.12}
Xnew = P + (rand . (T - P))	=	{82.28, 83.41, 94.62, 74.21, 86.15, 68.46, 88.02, 83.12, 85.37, 97.61, 88.87, 85.16, 74.77, 73.88, 88.69, 89.92, 83.26, 81.87, 90.60, 84.91, 96.78, 86.28, 86.10, 88.06, 93.05, 79.88, 84.06, 91.77, 94.01, 90.60, 91.00, 84.12}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-109		
P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{91.3, 89.85, 100, 73.34, 100, 91, 87.8, 92.5, 83.75, 98.3, 91.35, 87, 95.75, 76.5, 82.75, 94.75, 90.3, 91.3, 94.05, 92.5, 100, 82.5, 87.25, 92.25, 89, 86.6, 84.75, 97.75, 91.9, 89.25, 95.07, 85.5}
rand	=	0.09
(T - P)	=	{9.8, 7, 5.85, 0.81, 15.05, 24.5, 0.2, 10.2, 1.5, 0.75, 2.7, 2, 22.8, 2.85, 5.5, 5.25, 7.65, 10.25, 3.75, 8.25, 3.5, 3.5, 1.25, 4.55, 3.75, 7.3, 0.75, 6.5, 1.95, 1.25, 4.42, 1.5}
rand . (T - P)	=	{0.88, 0.63, 0.53, 0.07, 1.35, 2.21, 0.02, 0.92, 0.14, 0.07, 0.24, 0.18, 2.05, 0.26, 0.50, 0.47, 0.69, 0.92, 0.34, 0.74, 0.32, 0.32, 0.11, 0.41, 0.34, 0.66, 0.07, 0.59, 0.18, 0.11, 0.40, 0.14}
Xnew = P + (rand . (T - P))	=	{82.38, 83.48, 94.68, 74.22, 86.30, 68.71, 88.02, 83.22, 85.39, 97.62, 88.89, 85.18, 75.00, 73.91, 88.75, 89.97, 83.34, 81.97, 90.64, 84.99, 96.82, 86.32, 86.11, 88.11, 93.09, 79.96, 84.07, 91.84, 94.03, 90.61, 91.05, 84.14}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-110		
P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{91.3, 89.85, 100, 73.34, 100, 91, 87.8, 92.5, 83.75, 98.3, 91.35, 87, 95.75, 76.5, 82.75, 94.75, 90.3, 91.3, 94.05, 92.5, 100, 82.5, 87.25, 92.25, 89, 86.6, 84.75, 97.75, 91.9, 89.25, 95.07, 85.5}
rand	=	0.1
(T - P)	=	{9.8, 7, 5.85, 0.81, 15.05, 24.5, 0.2, 10.2, 1.5, 0.75, 2.7, 2, 22.8, 2.85, 5.5, 5.25, 7.65, 10.25, 3.75, 8.25, 3.5, 3.5, 1.25, 4.55, 3.75, 7.3, 0.75, 6.5, 1.95, 1.25, 4.42, 1.5}
rand . (T - P)	=	{0.98, 0.70, 0.59, 0.08, 1.51, 2.45, 0.02, 1.02, 0.15, 0.08, 0.27, 0.20, 2.28, 0.29, 0.55, 0.53, 0.77, 1.03, 0.38, 0.83, 0.35, 0.35, 0.13, 0.46, 0.38, 0.73, 0.08, 0.65, 0.20, 0.13, 0.44, 0.15}
Xnew = P + (rand . (T - P))	=	{82.48, 83.55, 94.74, 74.23, 86.46, 68.95, 88.02, 83.32, 85.40, 97.63, 88.92, 85.20, 75.23, 73.94, 88.80, 90.03, 83.42, 82.08, 90.68, 85.08, 96.85, 86.35, 86.13, 88.16, 93.13, 80.03, 84.08, 91.90, 94.05, 90.63, 91.09, 84.15}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-111

P(titik sample) = {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}

T(tetangga acuan) = {82.3, 74.95, 93.9, 73.59, 88.5, 77.7, 83.1, 75.15, 81.1, 81.15, 92.55, 78.5, 81.75, 78.45, 88.3, 84.05, 86, 72.65, 74.95, 79.5, 88.5, 89.95, 87.95, 90.85, 79.45, 84.95, 84.25, 92.4, 81.5, 85.9, 67.25, 89.05}

rand = 0.01

(T - P) = {0.8, 7.9, 0.25, 0.56, 3.55, 11.2, 4.9, 7.15, 4.15, 16.4, 3.9, 6.5, 8.8, 4.8, 0.05, 5.45, 3.35, 8.4, 15.35, 4.75, 8, 3.95, 1.95, 3.15, 13.3, 5.65, 0.25, 1.15, 12.35, 4.6, 23.4, 5.05}

rand . (T - P) = {0.01, 0.08, 0.00, 0.01, 0.04, 0.11, 0.05, 0.07, 0.04, 0.16, 0.04, 0.07, 0.09, 0.05, 0.00, 0.05, 0.03, 0.08, 0.15, 0.05, 0.08, 0.04, 0.02, 0.03, 0.13, 0.06, 0.00, 0.01, 0.12, 0.05, 0.23, 0.05}

Xnew = P + (rand . (T - P)) = {81.51, 82.93, 94.15, 74.16, 84.99, 66.61, 88.05, 82.37, 85.29, 97.71, 88.69, 85.07, 73.04, 73.70, 88.25, 89.55, 82.68, 81.13, 90.45, 84.30, 96.58, 86.04, 86.02, 87.73, 92.88, 79.36, 84.00, 91.26, 93.97, 90.55, 90.88, 84.05}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-112

P(titik sample) = {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}

T(tetangga acuan) = {82.3, 74.95, 93.9, 73.59, 88.5, 77.7, 83.1, 75.15, 81.1, 81.15, 92.55, 78.5, 81.75, 78.45, 88.3, 84.05, 86, 72.65, 74.95, 79.5, 88.5, 89.95, 87.95, 90.85, 79.45, 84.95, 84.25, 92.4, 81.5, 85.9, 67.25, 89.05}

rand = 0.02

(T - P) = {0.8, 7.9, 0.25, 0.56, 3.55, 11.2, 4.9, 7.15, 4.15, 16.4, 3.9, 6.5, 8.8, 4.8, 0.05, 5.45, 3.35, 8.4, 15.35, 4.75, 8, 3.95, 1.95, 3.15, 13.3, 5.65, 0.25, 1.15, 12.35, 4.6, 23.4, 5.05}

rand . (T - P) = {0.02, 0.16, 0.01, 0.01, 0.07, 0.22, 0.10, 0.14, 0.08, 0.33, 0.08, 0.13, 0.18, 0.10, 0.00, 0.11, 0.07, 0.17, 0.31, 0.10, 0.16, 0.08, 0.04, 0.06, 0.27, 0.11, 0.01, 0.02, 0.25, 0.09, 0.47, 0.10}

Xnew = P + (rand . (T - P)) = {81.52, 83.01, 94.16, 74.16, 85.02, 66.72, 88.10, 82.44, 85.33, 97.88, 88.73, 85.13, 73.13, 73.75, 88.25, 89.61, 82.72, 81.22, 90.61, 84.35, 96.66, 86.08, 86.04, 87.76, 93.02, 79.41, 84.01, 91.27, 94.10, 90.59, 91.12, 84.10}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-113

P(titik sample) = {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}

T(tetangga acuan) = {82.3, 74.95, 93.9, 73.59, 88.5, 77.7, 83.1, 75.15, 81.1, 81.15, 92.55, 78.5, 81.75, 78.45, 88.3, 84.05, 86, 72.65, 74.95, 79.5, 88.5, 89.95, 87.95, 90.85, 79.45, 84.95, 84.25, 92.4, 81.5, 85.9, 67.25, 89.05}

rand = 0.03

(T - P) = {0.8, 7.9, 0.25, 0.56, 3.55, 11.2, 4.9, 7.15, 4.15, 16.4, 3.9, 6.5, 8.8, 4.8, 0.05, 5.45, 3.35, 8.4, 15.35, 4.75, 8, 3.95, 1.95, 3.15, 13.3, 5.65, 0.25, 1.15, 12.35, 4.6, 23.4, 5.05}

rand . (T - P)	= {0.02, 0.24, 0.01, 0.02, 0.11, 0.34, 0.15, 0.21, 0.12, 0.49, 0.12, 0.20, 0.26, 0.14, 0.00, 0.16, 0.10, 0.25, 0.46, 0.14, 0.24, 0.12, 0.06, 0.09, 0.40, 0.17, 0.01, 0.03, 0.37, 0.14, 0.70, 0.15}
Xnew = P + (rand . (T - P))	= {81.52, 83.09, 94.16, 74.17, 85.06, 66.84, 88.15, 82.51, 85.37, 98.04, 88.77, 85.20, 73.21, 73.79, 88.25, 89.66, 82.75, 81.30, 90.76, 84.39, 96.74, 86.12, 86.06, 87.79, 93.15, 79.47, 84.01, 91.28, 94.22, 90.64, 91.35, 84.15}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-114	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {82.3, 74.95, 93.9, 73.59, 88.5, 77.7, 83.1, 75.15, 81.1, 81.15, 92.55, 78.5, 81.75, 78.45, 88.3, 84.05, 86, 72.65, 74.95, 79.5, 88.5, 89.95, 87.95, 90.85, 79.45, 84.95, 84.25, 92.4, 81.5, 85.9, 67.25, 89.05}
rand	= 0.04
(T - P)	= {0.8, 7.9, 0.25, 0.56, 3.55, 11.2, 4.9, 7.15, 4.15, 16.4, 3.9, 6.5, 8.8, 4.8, 0.05, 5.45, 3.35, 8.4, 15.35, 4.75, 8, 3.95, 1.95, 3.15, 13.3, 5.65, 0.25, 1.15, 12.35, 4.6, 23.4, 5.05}
rand . (T - P)	= {0.03, 0.32, 0.01, 0.02, 0.14, 0.45, 0.20, 0.29, 0.17, 0.66, 0.16, 0.26, 0.35, 0.19, 0.00, 0.22, 0.13, 0.34, 0.61, 0.19, 0.32, 0.16, 0.08, 0.13, 0.53, 0.23, 0.01, 0.05, 0.49, 0.18, 0.94, 0.20}
Xnew = P + (rand . (T - P))	= {81.53, 83.17, 94.16, 74.17, 85.09, 66.95, 88.20, 82.59, 85.42, 98.21, 88.81, 85.26, 73.30, 73.84, 88.25, 89.72, 82.78, 81.39, 90.91, 84.44, 96.82, 86.16, 86.08, 87.83, 93.28, 79.53, 84.01, 91.30, 94.34, 90.68, 91.59, 84.20}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-115	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {82.3, 74.95, 93.9, 73.59, 88.5, 77.7, 83.1, 75.15, 81.1, 81.15, 92.55, 78.5, 81.75, 78.45, 88.3, 84.05, 86, 72.65, 74.95, 79.5, 88.5, 89.95, 87.95, 90.85, 79.45, 84.95, 84.25, 92.4, 81.5, 85.9, 67.25, 89.05}
rand	= 0.05
(T - P)	= {0.8, 7.9, 0.25, 0.56, 3.55, 11.2, 4.9, 7.15, 4.15, 16.4, 3.9, 6.5, 8.8, 4.8, 0.05, 5.45, 3.35, 8.4, 15.35, 4.75, 8, 3.95, 1.95, 3.15, 13.3, 5.65, 0.25, 1.15, 12.35, 4.6, 23.4, 5.05}
rand . (T - P)	= {0.04, 0.40, 0.01, 0.03, 0.18, 0.56, 0.25, 0.36, 0.21, 0.82, 0.20, 0.33, 0.44, 0.24, 0.00, 0.27, 0.17, 0.42, 0.77, 0.24, 0.40, 0.20, 0.10, 0.16, 0.67, 0.28, 0.01, 0.06, 0.62, 0.23, 1.17, 0.25}
Xnew = P + (rand . (T - P))	= {81.54, 83.25, 94.16, 74.18, 85.13, 67.06, 88.25, 82.66, 85.46, 98.37, 88.85, 85.33, 73.39, 73.89, 88.25, 89.77, 82.82, 81.47, 91.07, 84.49, 96.90, 86.20, 86.10, 87.86, 93.42, 79.58, 84.01, 91.31, 94.47, 90.73, 91.82, 84.25}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-116	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}

T(tetangga acuan)	=	{82.3, 74.95, 93.9, 73.59, 88.5, 77.7, 83.1, 75.15, 81.1, 81.15, 92.55, 78.5, 81.75, 78.45, 88.3, 84.05, 86, 72.65, 74.95, 79.5, 88.5, 89.95, 87.95, 90.85, 79.45, 84.95, 84.25, 92.4, 81.5, 85.9, 67.25, 89.05}
rand	=	0.06
(T - P)	=	{0.8, 7.9, 0.25, 0.56, 3.55, 11.2, 4.9, 7.15, 4.15, 16.4, 3.9, 6.5, 8.8, 4.8, 0.05, 5.45, 3.35, 8.4, 15.35, 4.75, 8, 3.95, 1.95, 3.15, 13.3, 5.65, 0.25, 1.15, 12.35, 4.6, 23.4, 5.05}
rand . (T - P)	=	{0.05, 0.47, 0.02, 0.03, 0.21, 0.67, 0.29, 0.43, 0.25, 0.98, 0.23, 0.39, 0.53, 0.29, 0.00, 0.33, 0.20, 0.50, 0.92, 0.29, 0.48, 0.24, 0.12, 0.19, 0.80, 0.34, 0.02, 0.07, 0.74, 0.28, 1.40, 0.30}
Xnew = P + (rand . (T - P))	=	{81.55, 83.32, 94.17, 74.18, 85.16, 67.17, 88.29, 82.73, 85.50, 98.53, 88.88, 85.39, 73.48, 73.94, 88.25, 89.83, 82.85, 81.55, 91.22, 84.54, 96.98, 86.24, 86.12, 87.89, 93.55, 79.64, 84.02, 91.32, 94.59, 90.78, 92.05, 84.30}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-117		
P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{82.3, 74.95, 93.9, 73.59, 88.5, 77.7, 83.1, 75.15, 81.1, 81.15, 92.55, 78.5, 81.75, 78.45, 88.3, 84.05, 86, 72.65, 74.95, 79.5, 88.5, 89.95, 87.95, 90.85, 79.45, 84.95, 84.25, 92.4, 81.5, 85.9, 67.25, 89.05}
rand	=	0.07
(T - P)	=	{0.8, 7.9, 0.25, 0.56, 3.55, 11.2, 4.9, 7.15, 4.15, 16.4, 3.9, 6.5, 8.8, 4.8, 0.05, 5.45, 3.35, 8.4, 15.35, 4.75, 8, 3.95, 1.95, 3.15, 13.3, 5.65, 0.25, 1.15, 12.35, 4.6, 23.4, 5.05}
rand . (T - P)	=	{0.06, 0.55, 0.02, 0.04, 0.25, 0.78, 0.34, 0.50, 0.29, 1.15, 0.27, 0.46, 0.62, 0.34, 0.00, 0.38, 0.23, 0.59, 1.07, 0.33, 0.56, 0.28, 0.14, 0.22, 0.93, 0.40, 0.02, 0.08, 0.86, 0.32, 1.64, 0.35}
Xnew = P + (rand . (T - P))	=	{81.56, 83.40, 94.17, 74.19, 85.20, 67.28, 88.34, 82.80, 85.54, 98.70, 88.92, 85.46, 73.57, 73.99, 88.25, 89.88, 82.88, 81.64, 91.37, 84.58, 97.06, 86.28, 86.14, 87.92, 93.68, 79.70, 84.02, 91.33, 94.71, 90.82, 92.29, 84.35}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-118		
P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{82.3, 74.95, 93.9, 73.59, 88.5, 77.7, 83.1, 75.15, 81.1, 81.15, 92.55, 78.5, 81.75, 78.45, 88.3, 84.05, 86, 72.65, 74.95, 79.5, 88.5, 89.95, 87.95, 90.85, 79.45, 84.95, 84.25, 92.4, 81.5, 85.9, 67.25, 89.05}
rand	=	0.08
(T - P)	=	{0.8, 7.9, 0.25, 0.56, 3.55, 11.2, 4.9, 7.15, 4.15, 16.4, 3.9, 6.5, 8.8, 4.8, 0.05, 5.45, 3.35, 8.4, 15.35, 4.75, 8, 3.95, 1.95, 3.15, 13.3, 5.65, 0.25, 1.15, 12.35, 4.6, 23.4, 5.05}
rand . (T - P)	=	{0.06, 0.63, 0.02, 0.04, 0.28, 0.90, 0.39, 0.57, 0.33, 1.31, 0.31, 0.52, 0.70, 0.38, 0.00, 0.44, 0.27, 0.67, 1.23, 0.38, 0.64, 0.32, 0.16, 0.25, 1.06, 0.45, 0.02, 0.09, 0.99, 0.37, 1.87, 0.40}

X_{new} = P + (rand . (T - P))	= {81.56, 83.48, 94.17, 74.19, 85.23, 67.40, 88.39, 82.87, 85.58, 98.86, 88.96, 85.52, 73.65, 74.03, 88.25, 89.94, 82.92, 81.72, 91.53, 84.63, 97.14, 86.32, 86.16, 87.95, 93.81, 79.75, 84.02, 91.34, 94.84, 90.87, 92.52, 84.40}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-119	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {82.3, 74.95, 93.9, 73.59, 88.5, 77.7, 83.1, 75.15, 81.1, 81.15, 92.55, 78.5, 81.75, 78.45, 88.3, 84.05, 86, 72.65, 74.95, 79.5, 88.5, 89.95, 87.95, 90.85, 79.45, 84.95, 84.25, 92.4, 81.5, 85.9, 67.25, 89.05}
rand	= 0.09
(T - P)	= {0.8, 7.9, 0.25, 0.56, 3.55, 11.2, 4.9, 7.15, 4.15, 16.4, 3.9, 6.5, 8.8, 4.8, 0.05, 5.45, 3.35, 8.4, 15.35, 4.75, 8, 3.95, 1.95, 3.15, 13.3, 5.65, 0.25, 1.15, 12.35, 4.6, 23.4, 5.05}
rand . (T - P)	= {0.07, 0.71, 0.02, 0.05, 0.32, 1.01, 0.44, 0.64, 0.37, 1.48, 0.35, 0.59, 0.79, 0.43, 0.00, 0.49, 0.30, 0.76, 1.38, 0.43, 0.72, 0.36, 0.18, 0.28, 1.20, 0.51, 0.02, 0.10, 1.11, 0.41, 2.11, 0.45}
X_{new} = P + (rand . (T - P))	= {81.57, 83.56, 94.17, 74.20, 85.27, 67.51, 88.44, 82.94, 85.62, 99.03, 89.00, 85.59, 73.74, 74.08, 88.25, 89.99, 82.95, 81.81, 91.68, 84.68, 97.22, 86.36, 86.18, 87.98, 93.95, 79.81, 84.02, 91.35, 94.96, 90.91, 92.76, 84.45}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-120	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {82.3, 74.95, 93.9, 73.59, 88.5, 77.7, 83.1, 75.15, 81.1, 81.15, 92.55, 78.5, 81.75, 78.45, 88.3, 84.05, 86, 72.65, 74.95, 79.5, 88.5, 89.95, 87.95, 90.85, 79.45, 84.95, 84.25, 92.4, 81.5, 85.9, 67.25, 89.05}
rand	= 0.1
(T - P)	= {0.8, 7.9, 0.25, 0.56, 3.55, 11.2, 4.9, 7.15, 4.15, 16.4, 3.9, 6.5, 8.8, 4.8, 0.05, 5.45, 3.35, 8.4, 15.35, 4.75, 8, 3.95, 1.95, 3.15, 13.3, 5.65, 0.25, 1.15, 12.35, 4.6, 23.4, 5.05}
rand . (T - P)	= {0.08, 0.79, 0.03, 0.06, 0.36, 1.12, 0.49, 0.72, 0.42, 1.64, 0.39, 0.65, 0.88, 0.48, 0.01, 0.55, 0.34, 0.84, 1.54, 0.48, 0.80, 0.40, 0.20, 0.32, 1.33, 0.57, 0.03, 0.12, 1.24, 0.46, 2.34, 0.51}
X_{new} = P + (rand . (T - P))	= {81.58, 83.64, 94.18, 74.21, 85.31, 67.62, 88.49, 83.02, 85.67, 99.19, 89.04, 85.65, 73.83, 74.13, 88.26, 90.05, 82.99, 81.89, 91.84, 84.73, 97.30, 86.40, 86.20, 88.02, 94.08, 79.87, 84.03, 91.37, 95.09, 90.96, 92.99, 84.51}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-121	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {94.25, 78.75, 91.55, 75.19, 87.65, 63, 89.85, 90.2, 90.75, 85.6, 90.1, 91.5, 96, 87.9, 87.15, 86.2, 89.7, 84.35, 79.95, 92.5, 80.2, 87.55, 90.45, 91.25, 86.5, 95.25, 91.7, 91.5, 90.45, 86.2, 89.8, 87.45}

rand	=	0.01
(T - P)	=	{12.75, 4.1, 2.6, 1.04, 2.7, 3.5, 1.85, 7.9, 5.5, 11.95, 1.45, 6.5, 23.05, 14.25, 1.1, 3.3, 7.05, 3.3, 10.35, 8.25, 16.3, 1.55, 4.45, 3.55, 6.25, 15.95, 7.7, 0.25, 3.4, 4.3, 0.85, 3.45}
rand . (T - P)	=	{0.13, 0.04, 0.03, 0.01, 0.03, 0.04, 0.02, 0.08, 0.06, 0.12, 0.01, 0.07, 0.23, 0.14, 0.01, 0.03, 0.07, 0.03, 0.10, 0.08, 0.16, 0.02, 0.04, 0.04, 0.06, 0.16, 0.08, 0.00, 0.03, 0.04, 0.01, 0.03}
Xnew = P + (rand . (T - P))	=	{81.63, 82.89, 94.18, 74.16, 84.98, 66.54, 88.02, 82.38, 85.31, 97.67, 88.66, 85.07, 73.18, 73.79, 88.26, 89.53, 82.72, 81.08, 90.40, 84.33, 96.66, 86.02, 86.04, 87.74, 92.81, 79.46, 84.08, 91.25, 93.88, 90.54, 90.66, 84.03}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-122		
P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{94.25, 78.75, 91.55, 75.19, 87.65, 63, 89.85, 90.2, 90.75, 85.6, 90.1, 91.5, 96, 87.9, 87.15, 86.2, 89.7, 84.35, 79.95, 92.5, 80.2, 87.55, 90.45, 91.25, 86.5, 95.25, 91.7, 91.5, 90.45, 86.2, 89.8, 87.45}
rand	=	0.02
(T - P)	=	{12.75, 4.1, 2.6, 1.04, 2.7, 3.5, 1.85, 7.9, 5.5, 11.95, 1.45, 6.5, 23.05, 14.25, 1.1, 3.3, 7.05, 3.3, 10.35, 8.25, 16.3, 1.55, 4.45, 3.55, 6.25, 15.95, 7.7, 0.25, 3.4, 4.3, 0.85, 3.45}
rand . (T - P)	=	{0.26, 0.08, 0.05, 0.02, 0.05, 0.07, 0.04, 0.16, 0.11, 0.24, 0.03, 0.13, 0.46, 0.29, 0.02, 0.07, 0.14, 0.07, 0.21, 0.17, 0.33, 0.03, 0.09, 0.07, 0.13, 0.32, 0.15, 0.01, 0.07, 0.09, 0.02, 0.07}
Xnew = P + (rand . (T - P))	=	{81.76, 82.93, 94.20, 74.17, 85.00, 66.57, 88.04, 82.46, 85.36, 97.79, 88.68, 85.13, 73.41, 73.94, 88.27, 89.57, 82.79, 81.12, 90.51, 84.42, 96.83, 86.03, 86.09, 87.77, 92.88, 79.62, 84.15, 91.26, 93.92, 90.59, 90.67, 84.07}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-123		
P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{94.25, 78.75, 91.55, 75.19, 87.65, 63, 89.85, 90.2, 90.75, 85.6, 90.1, 91.5, 96, 87.9, 87.15, 86.2, 89.7, 84.35, 79.95, 92.5, 80.2, 87.55, 90.45, 91.25, 86.5, 95.25, 91.7, 91.5, 90.45, 86.2, 89.8, 87.45}
rand	=	0.03
(T - P)	=	{12.75, 4.1, 2.6, 1.04, 2.7, 3.5, 1.85, 7.9, 5.5, 11.95, 1.45, 6.5, 23.05, 14.25, 1.1, 3.3, 7.05, 3.3, 10.35, 8.25, 16.3, 1.55, 4.45, 3.55, 6.25, 15.95, 7.7, 0.25, 3.4, 4.3, 0.85, 3.45}
rand . (T - P)	=	{0.38, 0.12, 0.08, 0.03, 0.08, 0.11, 0.06, 0.24, 0.17, 0.36, 0.04, 0.20, 0.69, 0.43, 0.03, 0.10, 0.21, 0.10, 0.31, 0.25, 0.49, 0.05, 0.13, 0.11, 0.19, 0.48, 0.23, 0.01, 0.10, 0.13, 0.03, 0.10}
Xnew = P + (rand . (T - P))	=	{81.88, 82.97, 94.23, 74.18, 85.03, 66.61, 88.06, 82.54, 85.42, 97.91, 88.69, 85.20, 73.64, 74.08, 88.28, 89.60, 82.86, 81.15, 90.61, 84.50, 96.99, 86.05, 86.13, 87.81, 92.94, 79.78, 84.23, 91.26, 93.95, 90.63, 90.68, 84.10}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-124		

P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{94.25, 78.75, 91.55, 75.19, 87.65, 63, 89.85, 90.2, 90.75, 85.6, 90.1, 91.5, 96, 87.9, 87.15, 86.2, 89.7, 84.35, 79.95, 92.5, 80.2, 87.55, 90.45, 91.25, 86.5, 95.25, 91.7, 91.5, 90.45, 86.2, 89.8, 87.45}
rand	=	0.04
(T - P)	=	{12.75, 4.1, 2.6, 1.04, 2.7, 3.5, 1.85, 7.9, 5.5, 11.95, 1.45, 6.5, 23.05, 14.25, 1.1, 3.3, 7.05, 3.3, 10.35, 8.25, 16.3, 1.55, 4.45, 3.55, 6.25, 15.95, 7.7, 0.25, 3.4, 4.3, 0.85, 3.45}
rand . (T - P)	=	{0.51, 0.16, 0.10, 0.04, 0.11, 0.14, 0.07, 0.32, 0.22, 0.48, 0.06, 0.26, 0.92, 0.57, 0.04, 0.13, 0.28, 0.13, 0.41, 0.33, 0.65, 0.06, 0.18, 0.14, 0.25, 0.64, 0.31, 0.01, 0.14, 0.17, 0.03, 0.14}
X_{new} = P + (rand . (T - P))	=	{82.01, 83.01, 94.25, 74.19, 85.06, 66.64, 88.07, 82.62, 85.47, 98.03, 88.71, 85.26, 73.87, 74.22, 88.29, 89.63, 82.93, 81.18, 90.71, 84.58, 97.15, 86.06, 86.18, 87.84, 93.00, 79.94, 84.31, 91.26, 93.99, 90.67, 90.68, 84.14}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-125		
P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{94.25, 78.75, 91.55, 75.19, 87.65, 63, 89.85, 90.2, 90.75, 85.6, 90.1, 91.5, 96, 87.9, 87.15, 86.2, 89.7, 84.35, 79.95, 92.5, 80.2, 87.55, 90.45, 91.25, 86.5, 95.25, 91.7, 91.5, 90.45, 86.2, 89.8, 87.45}
rand	=	0.05
(T - P)	=	{12.75, 4.1, 2.6, 1.04, 2.7, 3.5, 1.85, 7.9, 5.5, 11.95, 1.45, 6.5, 23.05, 14.25, 1.1, 3.3, 7.05, 3.3, 10.35, 8.25, 16.3, 1.55, 4.45, 3.55, 6.25, 15.95, 7.7, 0.25, 3.4, 4.3, 0.85, 3.45}
rand . (T - P)	=	{0.64, 0.21, 0.13, 0.05, 0.14, 0.18, 0.09, 0.40, 0.28, 0.60, 0.07, 0.33, 1.15, 0.71, 0.06, 0.17, 0.35, 0.17, 0.52, 0.41, 0.82, 0.08, 0.22, 0.18, 0.31, 0.80, 0.39, 0.01, 0.17, 0.22, 0.04, 0.17}
X_{new} = P + (rand . (T - P))	=	{82.14, 83.06, 94.28, 74.20, 85.09, 66.68, 88.09, 82.70, 85.53, 98.15, 88.72, 85.33, 74.10, 74.36, 88.31, 89.67, 83.00, 81.22, 90.82, 84.66, 97.32, 86.08, 86.22, 87.88, 93.06, 80.10, 84.39, 91.26, 94.02, 90.72, 90.69, 84.17}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-126		
P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{94.25, 78.75, 91.55, 75.19, 87.65, 63, 89.85, 90.2, 90.75, 85.6, 90.1, 91.5, 96, 87.9, 87.15, 86.2, 89.7, 84.35, 79.95, 92.5, 80.2, 87.55, 90.45, 91.25, 86.5, 95.25, 91.7, 91.5, 90.45, 86.2, 89.8, 87.45}
rand	=	0.06
(T - P)	=	{12.75, 4.1, 2.6, 1.04, 2.7, 3.5, 1.85, 7.9, 5.5, 11.95, 1.45, 6.5, 23.05, 14.25, 1.1, 3.3, 7.05, 3.3, 10.35, 8.25, 16.3, 1.55, 4.45, 3.55, 6.25, 15.95, 7.7, 0.25, 3.4, 4.3, 0.85, 3.45}

rand . (T - P)	= {0.77, 0.25, 0.16, 0.06, 0.16, 0.21, 0.11, 0.47, 0.33, 0.72, 0.09, 0.39, 1.38, 0.86, 0.07, 0.20, 0.42, 0.20, 0.62, 0.50, 0.98, 0.09, 0.27, 0.21, 0.38, 0.96, 0.46, 0.02, 0.20, 0.26, 0.05, 0.21}
Xnew = P + (rand . (T - P))	= {82.27, 83.10, 94.31, 74.21, 85.11, 66.71, 88.11, 82.77, 85.58, 98.27, 88.74, 85.39, 74.33, 74.51, 88.32, 89.70, 83.07, 81.25, 90.92, 84.75, 97.48, 86.09, 86.27, 87.91, 93.13, 80.26, 84.46, 91.27, 94.05, 90.76, 90.70, 84.21}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-127	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {94.25, 78.75, 91.55, 75.19, 87.65, 63, 89.85, 90.2, 90.75, 85.6, 90.1, 91.5, 96, 87.9, 87.15, 86.2, 89.7, 84.35, 79.95, 92.5, 80.2, 87.55, 90.45, 91.25, 86.5, 95.25, 91.7, 91.5, 90.45, 86.2, 89.8, 87.45}
rand	= 0.07
(T - P)	= {12.75, 4.1, 2.6, 1.04, 2.7, 3.5, 1.85, 7.9, 5.5, 11.95, 1.45, 6.5, 23.05, 14.25, 1.1, 3.3, 7.05, 3.3, 10.35, 8.25, 16.3, 1.55, 4.45, 3.55, 6.25, 15.95, 7.7, 0.25, 3.4, 4.3, 0.85, 3.45}
rand . (T - P)	= {0.89, 0.29, 0.18, 0.07, 0.19, 0.25, 0.13, 0.55, 0.39, 0.84, 0.10, 0.46, 1.61, 1.00, 0.08, 0.23, 0.49, 0.23, 0.72, 0.58, 1.14, 0.11, 0.31, 0.25, 0.44, 1.12, 0.54, 0.02, 0.24, 0.30, 0.06, 0.24}
Xnew = P + (rand . (T - P))	= {82.39, 83.14, 94.33, 74.22, 85.14, 66.75, 88.13, 82.85, 85.64, 98.39, 88.75, 85.46, 74.56, 74.65, 88.33, 89.73, 83.14, 81.28, 91.02, 84.83, 97.64, 86.11, 86.31, 87.95, 93.19, 80.42, 84.54, 91.27, 94.09, 90.80, 90.71, 84.24}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-128	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {94.25, 78.75, 91.55, 75.19, 87.65, 63, 89.85, 90.2, 90.75, 85.6, 90.1, 91.5, 96, 87.9, 87.15, 86.2, 89.7, 84.35, 79.95, 92.5, 80.2, 87.55, 90.45, 91.25, 86.5, 95.25, 91.7, 91.5, 90.45, 86.2, 89.8, 87.45}
rand	= 0.08
(T - P)	= {12.75, 4.1, 2.6, 1.04, 2.7, 3.5, 1.85, 7.9, 5.5, 11.95, 1.45, 6.5, 23.05, 14.25, 1.1, 3.3, 7.05, 3.3, 10.35, 8.25, 16.3, 1.55, 4.45, 3.55, 6.25, 15.95, 7.7, 0.25, 3.4, 4.3, 0.85, 3.45}
rand . (T - P)	= {1.02, 0.33, 0.21, 0.08, 0.22, 0.28, 0.15, 0.63, 0.44, 0.96, 0.12, 0.52, 1.84, 1.14, 0.09, 0.26, 0.56, 0.26, 0.83, 0.66, 1.30, 0.12, 0.36, 0.28, 0.50, 1.28, 0.62, 0.02, 0.27, 0.34, 0.07, 0.28}
Xnew = P + (rand . (T - P))	= {82.52, 83.18, 94.36, 74.23, 85.17, 66.78, 88.15, 82.93, 85.69, 98.51, 88.77, 85.52, 74.79, 74.79, 88.34, 89.76, 83.21, 81.31, 91.13, 84.91, 97.80, 86.12, 86.36, 87.98, 93.25, 80.58, 84.62, 91.27, 94.12, 90.84, 90.72, 84.28}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-129	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}

T(tetangga acuan)	= {94.25, 78.75, 91.55, 75.19, 87.65, 63, 89.85, 90.2, 90.75, 85.6, 90.1, 91.5, 96, 87.9, 87.15, 86.2, 89.7, 84.35, 79.95, 92.5, 80.2, 87.55, 90.45, 91.25, 86.5, 95.25, 91.7, 91.5, 90.45, 86.2, 89.8, 87.45}
rand	= 0.09
(T - P)	= {12.75, 4.1, 2.6, 1.04, 2.7, 3.5, 1.85, 7.9, 5.5, 11.95, 1.45, 6.5, 23.05, 14.25, 1.1, 3.3, 7.05, 3.3, 10.35, 8.25, 16.3, 1.55, 4.45, 3.55, 6.25, 15.95, 7.7, 0.25, 3.4, 4.3, 0.85, 3.45}
rand . (T - P)	= {1.15, 0.37, 0.23, 0.09, 0.24, 0.32, 0.17, 0.71, 0.50, 1.08, 0.13, 0.59, 2.07, 1.28, 0.10, 0.30, 0.63, 0.30, 0.93, 0.74, 1.47, 0.14, 0.40, 0.32, 0.56, 1.44, 0.69, 0.02, 0.31, 0.39, 0.08, 0.31}
Xnew = P + (rand . (T - P))	= {82.65, 83.22, 94.38, 74.24, 85.19, 66.82, 88.17, 83.01, 85.75, 98.63, 88.78, 85.59, 75.02, 74.93, 88.35, 89.80, 83.28, 81.35, 91.23, 84.99, 97.97, 86.14, 86.40, 88.02, 93.31, 80.74, 84.69, 91.27, 94.16, 90.89, 90.73, 84.31}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-130	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {94.25, 78.75, 91.55, 75.19, 87.65, 63, 89.85, 90.2, 90.75, 85.6, 90.1, 91.5, 96, 87.9, 87.15, 86.2, 89.7, 84.35, 79.95, 92.5, 80.2, 87.55, 90.45, 91.25, 86.5, 95.25, 91.7, 91.5, 90.45, 86.2, 89.8, 87.45}
rand	= 0.1
(T - P)	= {12.75, 4.1, 2.6, 1.04, 2.7, 3.5, 1.85, 7.9, 5.5, 11.95, 1.45, 6.5, 23.05, 14.25, 1.1, 3.3, 7.05, 3.3, 10.35, 8.25, 16.3, 1.55, 4.45, 3.55, 6.25, 15.95, 7.7, 0.25, 3.4, 4.3, 0.85, 3.45}
rand . (T - P)	= {1.28, 0.41, 0.26, 0.10, 0.27, 0.35, 0.19, 0.79, 0.55, 1.20, 0.15, 0.65, 2.31, 1.43, 0.11, 0.33, 0.71, 0.33, 1.04, 0.83, 1.63, 0.16, 0.45, 0.36, 0.63, 1.60, 0.77, 0.03, 0.34, 0.43, 0.09, 0.35}
Xnew = P + (rand . (T - P))	= {82.78, 83.26, 94.41, 74.25, 85.22, 66.85, 88.19, 83.09, 85.80, 98.75, 88.80, 85.65, 75.26, 75.08, 88.36, 89.83, 83.36, 81.38, 91.34, 85.08, 98.13, 86.16, 86.45, 88.06, 93.38, 80.90, 84.77, 91.28, 94.19, 90.93, 90.74, 84.35}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-131	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {80.4, 71.15, 90.2, 78.65, 78.95, 78.5, 87.5, 88.4, 90.25, 77.15, 87.65, 92.2, 75, 96.4, 75, 81.65, 88.45, 94.15, 97.2, 87.25, 85.35, 89, 84.75, 91, 87.25, 87.5, 87.5, 89, 92.65, 91.2, 92.83, 80.2}
rand	= 0.01
(T - P)	= {1.1, 11.7, 3.95, 4.5, 6, 12, 0.5, 6.1, 5, 20.4, 1, 7.2, 2.05, 22.75, 13.25, 7.85, 5.8, 13.1, 6.9, 3, 11.15, 3, 1.25, 3.3, 5.5, 8.2, 3.5, 2.25, 1.2, 0.7, 2.18, 3.8}
rand . (T - P)	= {0.01, 0.12, 0.04, 0.05, 0.06, 0.12, 0.01, 0.06, 0.05, 0.20, 0.01, 0.07, 0.02, 0.23, 0.13, 0.08, 0.06, 0.13, 0.07, 0.03, 0.11, 0.03, 0.01, 0.03, 0.06, 0.08, 0.04, 0.02, 0.01, 0.01, 0.02, 0.04}
Xnew = P + (rand . (T - P))	= {81.51, 82.97, 94.19, 74.20, 85.01, 66.62, 88.01, 82.36, 85.30, 97.75, 88.66, 85.07, 72.97, 73.88, 88.38, 89.58, 82.71, 81.18,

	90.37, 84.28, 96.61, 86.03, 86.01, 87.73, 92.81, 79.38, 84.04, 91.27, 93.86, 90.51, 90.67, 84.04}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-132	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {80.4, 71.15, 90.2, 78.65, 78.95, 78.5, 87.5, 88.4, 90.25, 77.15, 87.65, 92.2, 75, 96.4, 75, 81.65, 88.45, 94.15, 97.2, 87.25, 85.35, 89, 84.75, 91, 87.25, 87.5, 87.5, 89, 92.65, 91.2, 92.83, 80.2}
rand	= 0.02
(T - P)	= {1.1, 11.7, 3.95, 4.5, 6, 12, 0.5, 6.1, 5, 20.4, 1, 7.2, 2.05, 22.75, 13.25, 7.85, 5.8, 13.1, 6.9, 3, 11.15, 3, 1.25, 3.3, 5.5, 8.2, 3.5, 2.25, 1.2, 0.7, 2.18, 3.8}
rand . (T - P)	= {0.02, 0.23, 0.08, 0.09, 0.12, 0.24, 0.01, 0.12, 0.10, 0.41, 0.02, 0.14, 0.04, 0.46, 0.27, 0.16, 0.12, 0.26, 0.14, 0.06, 0.22, 0.06, 0.03, 0.07, 0.11, 0.16, 0.07, 0.05, 0.02, 0.01, 0.04, 0.08}
X_{new} = P + (rand . (T - P))	= {81.52, 83.08, 94.23, 74.24, 85.07, 66.74, 88.01, 82.42, 85.35, 97.96, 88.67, 85.14, 72.99, 74.11, 88.52, 89.66, 82.77, 81.31, 90.44, 84.31, 96.72, 86.06, 86.03, 87.77, 92.86, 79.46, 84.07, 91.30, 93.87, 90.51, 90.69, 84.08}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-133	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {80.4, 71.15, 90.2, 78.65, 78.95, 78.5, 87.5, 88.4, 90.25, 77.15, 87.65, 92.2, 75, 96.4, 75, 81.65, 88.45, 94.15, 97.2, 87.25, 85.35, 89, 84.75, 91, 87.25, 87.5, 87.5, 89, 92.65, 91.2, 92.83, 80.2}
rand	= 0.03
(T - P)	= {1.1, 11.7, 3.95, 4.5, 6, 12, 0.5, 6.1, 5, 20.4, 1, 7.2, 2.05, 22.75, 13.25, 7.85, 5.8, 13.1, 6.9, 3, 11.15, 3, 1.25, 3.3, 5.5, 8.2, 3.5, 2.25, 1.2, 0.7, 2.18, 3.8}
rand . (T - P)	= {0.03, 0.35, 0.12, 0.14, 0.18, 0.36, 0.02, 0.18, 0.15, 0.61, 0.03, 0.22, 0.06, 0.68, 0.40, 0.24, 0.17, 0.39, 0.21, 0.09, 0.33, 0.09, 0.04, 0.10, 0.17, 0.25, 0.11, 0.07, 0.04, 0.02, 0.07, 0.11}
X_{new} = P + (rand . (T - P))	= {81.53, 83.20, 94.27, 74.29, 85.13, 66.86, 88.02, 82.48, 85.40, 98.16, 88.68, 85.22, 73.01, 74.33, 88.65, 89.74, 82.82, 81.44, 90.51, 84.34, 96.83, 86.09, 86.04, 87.80, 92.92, 79.55, 84.11, 91.32, 93.89, 90.52, 90.72, 84.11}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-134	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {80.4, 71.15, 90.2, 78.65, 78.95, 78.5, 87.5, 88.4, 90.25, 77.15, 87.65, 92.2, 75, 96.4, 75, 81.65, 88.45, 94.15, 97.2, 87.25, 85.35, 89, 84.75, 91, 87.25, 87.5, 87.5, 89, 92.65, 91.2, 92.83, 80.2}
rand	= 0.04
(T - P)	= {1.1, 11.7, 3.95, 4.5, 6, 12, 0.5, 6.1, 5, 20.4, 1, 7.2, 2.05, 22.75, 13.25, 7.85, 5.8, 13.1, 6.9, 3, 11.15, 3, 1.25, 3.3, 5.5, 8.2, 3.5, 2.25, 1.2, 0.7, 2.18, 3.8}

rand . (T - P)	= {0.04, 0.47, 0.16, 0.18, 0.24, 0.48, 0.02, 0.24, 0.20, 0.82, 0.04, 0.29, 0.08, 0.91, 0.53, 0.31, 0.23, 0.52, 0.28, 0.12, 0.45, 0.12, 0.05, 0.13, 0.22, 0.33, 0.14, 0.09, 0.05, 0.03, 0.09, 0.15}
X_{new} = P + (rand . (T - P))	= {81.54, 83.32, 94.31, 74.33, 85.19, 66.98, 88.02, 82.54, 85.45, 98.37, 88.69, 85.29, 73.03, 74.56, 88.78, 89.81, 82.88, 81.57, 90.58, 84.37, 96.95, 86.12, 86.05, 87.83, 92.97, 79.63, 84.14, 91.34, 93.90, 90.53, 90.74, 84.15}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-135	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {80.4, 71.15, 90.2, 78.65, 78.95, 78.5, 87.5, 88.4, 90.25, 77.15, 87.65, 92.2, 75, 96.4, 75, 81.65, 88.45, 94.15, 97.2, 87.25, 85.35, 89, 84.75, 91, 87.25, 87.5, 87.5, 89, 92.65, 91.2, 92.83, 80.2}
rand	= 0.05
(T - P)	= {1.1, 11.7, 3.95, 4.5, 6, 12, 0.5, 6.1, 5, 20.4, 1, 7.2, 2.05, 22.75, 13.25, 7.85, 5.8, 13.1, 6.9, 3, 11.15, 3, 1.25, 3.3, 5.5, 8.2, 3.5, 2.25, 1.2, 0.7, 2.18, 3.8}
rand . (T - P)	= {0.06, 0.59, 0.20, 0.23, 0.30, 0.60, 0.03, 0.31, 0.25, 1.02, 0.05, 0.36, 0.10, 1.14, 0.66, 0.39, 0.29, 0.66, 0.35, 0.15, 0.56, 0.15, 0.06, 0.17, 0.28, 0.41, 0.18, 0.11, 0.06, 0.04, 0.11, 0.19}
X_{new} = P + (rand . (T - P))	= {81.56, 83.44, 94.35, 74.38, 85.25, 67.10, 88.03, 82.61, 85.50, 98.57, 88.70, 85.36, 73.05, 74.79, 88.91, 89.89, 82.94, 81.71, 90.65, 84.40, 97.06, 86.15, 86.06, 87.87, 93.03, 79.71, 84.18, 91.36, 93.91, 90.54, 90.76, 84.19}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-136	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {80.4, 71.15, 90.2, 78.65, 78.95, 78.5, 87.5, 88.4, 90.25, 77.15, 87.65, 92.2, 75, 96.4, 75, 81.65, 88.45, 94.15, 97.2, 87.25, 85.35, 89, 84.75, 91, 87.25, 87.5, 87.5, 89, 92.65, 91.2, 92.83, 80.2}
rand	= 0.06
(T - P)	= {1.1, 11.7, 3.95, 4.5, 6, 12, 0.5, 6.1, 5, 20.4, 1, 7.2, 2.05, 22.75, 13.25, 7.85, 5.8, 13.1, 6.9, 3, 11.15, 3, 1.25, 3.3, 5.5, 8.2, 3.5, 2.25, 1.2, 0.7, 2.18, 3.8}
rand . (T - P)	= {0.07, 0.70, 0.24, 0.27, 0.36, 0.72, 0.03, 0.37, 0.30, 1.22, 0.06, 0.43, 0.12, 1.37, 0.80, 0.47, 0.35, 0.79, 0.41, 0.18, 0.67, 0.18, 0.08, 0.20, 0.33, 0.49, 0.21, 0.14, 0.07, 0.04, 0.13, 0.23}
X_{new} = P + (rand . (T - P))	= {81.57, 83.55, 94.39, 74.42, 85.31, 67.22, 88.03, 82.67, 85.55, 98.77, 88.71, 85.43, 73.07, 75.02, 89.05, 89.97, 83.00, 81.84, 90.71, 84.43, 97.17, 86.18, 86.08, 87.90, 93.08, 79.79, 84.21, 91.39, 93.92, 90.54, 90.78, 84.23}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-137	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {80.4, 71.15, 90.2, 78.65, 78.95, 78.5, 87.5, 88.4, 90.25, 77.15, 87.65, 92.2, 75, 96.4, 75, 81.65, 88.45, 94.15, 97.2, 87.25, 85.35, 89, 84.75, 91, 87.25, 87.5, 87.5, 89, 92.65, 91.2, 92.83, 80.2}

rand	= 0.07
(T - P)	= {1.1, 11.7, 3.95, 4.5, 6, 12, 0.5, 6.1, 5, 20.4, 1, 7.2, 2.05, 22.75, 13.25, 7.85, 5.8, 13.1, 6.9, 3, 11.15, 3, 1.25, 3.3, 5.5, 8.2, 3.5, 2.25, 1.2, 0.7, 2.18, 3.8}
rand . (T - P)	= {0.08, 0.82, 0.28, 0.32, 0.42, 0.84, 0.04, 0.43, 0.35, 1.43, 0.07, 0.50, 0.14, 1.59, 0.93, 0.55, 0.41, 0.92, 0.48, 0.21, 0.78, 0.21, 0.09, 0.23, 0.39, 0.57, 0.25, 0.16, 0.08, 0.05, 0.15, 0.27}
Xnew = P + (rand . (T - P))	= {81.58, 83.67, 94.43, 74.47, 85.37, 67.34, 88.04, 82.73, 85.60, 98.98, 88.72, 85.50, 73.09, 75.24, 89.18, 90.05, 83.06, 81.97, 90.78, 84.46, 97.28, 86.21, 86.09, 87.93, 93.14, 79.87, 84.25, 91.41, 93.93, 90.55, 90.80, 84.27}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-138	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {80.4, 71.15, 90.2, 78.65, 78.95, 78.5, 87.5, 88.4, 90.25, 77.15, 87.65, 92.2, 75, 96.4, 75, 81.65, 88.45, 94.15, 97.2, 87.25, 85.35, 89, 84.75, 91, 87.25, 87.5, 87.5, 89, 92.65, 91.2, 92.83, 80.2}
rand	= 0.08
(T - P)	= {1.1, 11.7, 3.95, 4.5, 6, 12, 0.5, 6.1, 5, 20.4, 1, 7.2, 2.05, 22.75, 13.25, 7.85, 5.8, 13.1, 6.9, 3, 11.15, 3, 1.25, 3.3, 5.5, 8.2, 3.5, 2.25, 1.2, 0.7, 2.18, 3.8}
rand . (T - P)	= {0.09, 0.94, 0.32, 0.36, 0.48, 0.96, 0.04, 0.49, 0.40, 1.63, 0.08, 0.58, 0.16, 1.82, 1.06, 0.63, 0.46, 1.05, 0.55, 0.24, 0.89, 0.24, 0.10, 0.26, 0.44, 0.66, 0.28, 0.18, 0.10, 0.06, 0.17, 0.30}
Xnew = P + (rand . (T - P))	= {81.59, 83.79, 94.47, 74.51, 85.43, 67.46, 88.04, 82.79, 85.65, 99.18, 88.73, 85.58, 73.11, 75.47, 89.31, 90.13, 83.11, 82.10, 90.85, 84.49, 97.39, 86.24, 86.10, 87.96, 93.19, 79.96, 84.28, 91.43, 93.95, 90.56, 90.82, 84.30}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-139	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {80.4, 71.15, 90.2, 78.65, 78.95, 78.5, 87.5, 88.4, 90.25, 77.15, 87.65, 92.2, 75, 96.4, 75, 81.65, 88.45, 94.15, 97.2, 87.25, 85.35, 89, 84.75, 91, 87.25, 87.5, 87.5, 89, 92.65, 91.2, 92.83, 80.2}
rand	= 0.09
(T - P)	= {1.1, 11.7, 3.95, 4.5, 6, 12, 0.5, 6.1, 5, 20.4, 1, 7.2, 2.05, 22.75, 13.25, 7.85, 5.8, 13.1, 6.9, 3, 11.15, 3, 1.25, 3.3, 5.5, 8.2, 3.5, 2.25, 1.2, 0.7, 2.18, 3.8}
rand . (T - P)	= {0.10, 1.05, 0.36, 0.41, 0.54, 1.08, 0.05, 0.55, 0.45, 1.84, 0.09, 0.65, 0.18, 2.05, 1.19, 0.71, 0.52, 1.18, 0.62, 0.27, 1.00, 0.27, 0.11, 0.30, 0.50, 0.74, 0.32, 0.20, 0.11, 0.06, 0.20, 0.34}
Xnew = P + (rand . (T - P))	= {81.60, 83.90, 94.51, 74.56, 85.49, 67.58, 88.05, 82.85, 85.70, 99.39, 88.74, 85.65, 73.13, 75.70, 89.44, 90.21, 83.17, 82.23, 90.92, 84.52, 97.50, 86.27, 86.11, 88.00, 93.25, 80.04, 84.32, 91.45, 93.96, 90.56, 90.85, 84.34}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-140	

P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{80.4, 71.15, 90.2, 78.65, 78.95, 78.5, 87.5, 88.4, 90.25, 77.15, 87.65, 92.2, 75, 96.4, 75, 81.65, 88.45, 94.15, 97.2, 87.25, 85.35, 89, 84.75, 91, 87.25, 87.5, 87.5, 89, 92.65, 91.2, 92.83, 80.2}
rand	=	0.1
(T - P)	=	{1.1, 11.7, 3.95, 4.5, 6, 12, 0.5, 6.1, 5, 20.4, 1, 7.2, 2.05, 22.75, 13.25, 7.85, 5.8, 13.1, 6.9, 3, 11.15, 3, 1.25, 3.3, 5.5, 8.2, 3.5, 2.25, 1.2, 0.7, 2.18, 3.8}
rand . (T - P)	=	{0.11, 1.17, 0.40, 0.45, 0.60, 1.20, 0.05, 0.61, 0.50, 2.04, 0.10, 0.72, 0.21, 2.28, 1.33, 0.79, 0.58, 1.31, 0.69, 0.30, 1.12, 0.30, 0.13, 0.33, 0.55, 0.82, 0.35, 0.23, 0.12, 0.07, 0.22, 0.38}
Xnew = P + (rand . (T - P))	=	{81.61, 84.02, 94.55, 74.60, 85.55, 67.70, 88.05, 82.91, 85.75, 99.59, 88.75, 85.72, 73.16, 75.93, 89.58, 90.29, 83.23, 82.36, 90.99, 84.55, 97.62, 86.30, 86.13, 88.03, 93.30, 80.12, 84.35, 91.48, 93.97, 90.57, 90.87, 84.38}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-141		
P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{88.5, 76.15, 95.05, 73.23, 83.75, 80.75, 86.35, 85.75, 84.1, 90.9, 97.5, 88.75, 82.5, 85, 82.5, 87.1, 83.7, 85.05, 78.57, 70.7, 80.05, 85.25, 88.9, 92, 78.65, 88.25, 88.5, 82.3, 76.15, 92.6, 79.21, 89.65}
rand	=	0.01
(T - P)	=	{7, 6.7, 0.9, 0.92, 1.2, 14.25, 1.65, 3.45, 1.15, 6.65, 8.85, 3.75, 9.55, 11.35, 5.75, 2.4, 1.05, 4, 11.73, 13.55, 16.45, 0.75, 2.9, 4.3, 14.1, 8.95, 4.5, 8.95, 17.7, 2.1, 11.44, 5.65}
rand . (T - P)	=	{0.07, 0.07, 0.01, 0.01, 0.01, 0.14, 0.02, 0.03, 0.01, 0.07, 0.09, 0.04, 0.10, 0.11, 0.06, 0.02, 0.01, 0.04, 0.12, 0.14, 0.16, 0.01, 0.03, 0.04, 0.14, 0.09, 0.05, 0.09, 0.18, 0.02, 0.11, 0.06}
Xnew = P + (rand . (T - P))	=	{81.57, 82.92, 94.16, 74.16, 84.96, 66.64, 88.02, 82.33, 85.26, 97.62, 88.74, 85.04, 73.05, 73.76, 88.31, 89.52, 82.66, 81.09, 90.42, 84.39, 96.66, 86.01, 86.03, 87.74, 92.89, 79.39, 84.05, 91.34, 94.03, 90.52, 90.76, 84.06}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-142		
P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{88.5, 76.15, 95.05, 73.23, 83.75, 80.75, 86.35, 85.75, 84.1, 90.9, 97.5, 88.75, 82.5, 85, 82.5, 87.1, 83.7, 85.05, 78.57, 70.7, 80.05, 85.25, 88.9, 92, 78.65, 88.25, 88.5, 82.3, 76.15, 92.6, 79.21, 89.65}
rand	=	0.02
(T - P)	=	{7, 6.7, 0.9, 0.92, 1.2, 14.25, 1.65, 3.45, 1.15, 6.65, 8.85, 3.75, 9.55, 11.35, 5.75, 2.4, 1.05, 4, 11.73, 13.55, 16.45, 0.75, 2.9, 4.3, 14.1, 8.95, 4.5, 8.95, 17.7, 2.1, 11.44, 5.65}

rand . (T - P)	= {0.14, 0.13, 0.02, 0.02, 0.02, 0.29, 0.03, 0.07, 0.02, 0.13, 0.18, 0.08, 0.19, 0.23, 0.12, 0.05, 0.02, 0.08, 0.23, 0.27, 0.33, 0.02, 0.06, 0.09, 0.28, 0.18, 0.09, 0.18, 0.35, 0.04, 0.23, 0.11}
Xnew = P + (rand . (T - P))	= {81.64, 82.98, 94.17, 74.17, 84.97, 66.79, 88.03, 82.37, 85.27, 97.68, 88.83, 85.08, 73.14, 73.88, 88.37, 89.55, 82.67, 81.13, 90.53, 84.52, 96.83, 86.02, 86.06, 87.79, 93.03, 79.48, 84.09, 91.43, 94.20, 90.54, 90.88, 84.11}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-143	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {88.5, 76.15, 95.05, 73.23, 83.75, 80.75, 86.35, 85.75, 84.1, 90.9, 97.5, 88.75, 82.5, 85, 82.5, 87.1, 83.7, 85.05, 78.57, 70.7, 80.05, 85.25, 88.9, 92, 78.65, 88.25, 88.5, 82.3, 76.15, 92.6, 79.21, 89.65}
rand	= 0.03
(T - P)	= {7, 6.7, 0.9, 0.92, 1.2, 14.25, 1.65, 3.45, 1.15, 6.65, 8.85, 3.75, 9.55, 11.35, 5.75, 2.4, 1.05, 4, 11.73, 13.55, 16.45, 0.75, 2.9, 4.3, 14.1, 8.95, 4.5, 8.95, 17.7, 2.1, 11.44, 5.65}
rand . (T - P)	= {0.21, 0.20, 0.03, 0.03, 0.04, 0.43, 0.05, 0.10, 0.03, 0.20, 0.27, 0.11, 0.29, 0.34, 0.17, 0.07, 0.03, 0.12, 0.35, 0.41, 0.49, 0.02, 0.09, 0.13, 0.42, 0.27, 0.14, 0.27, 0.53, 0.06, 0.34, 0.17}
Xnew = P + (rand . (T - P))	= {81.71, 83.05, 94.18, 74.18, 84.99, 66.93, 88.05, 82.40, 85.28, 97.75, 88.92, 85.11, 73.24, 73.99, 88.42, 89.57, 82.68, 81.17, 90.65, 84.66, 96.99, 86.02, 86.09, 87.83, 93.17, 79.57, 84.14, 91.52, 94.38, 90.56, 90.99, 84.17}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-144	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {88.5, 76.15, 95.05, 73.23, 83.75, 80.75, 86.35, 85.75, 84.1, 90.9, 97.5, 88.75, 82.5, 85, 82.5, 87.1, 83.7, 85.05, 78.57, 70.7, 80.05, 85.25, 88.9, 92, 78.65, 88.25, 88.5, 82.3, 76.15, 92.6, 79.21, 89.65}
rand	= 0.04
(T - P)	= {7, 6.7, 0.9, 0.92, 1.2, 14.25, 1.65, 3.45, 1.15, 6.65, 8.85, 3.75, 9.55, 11.35, 5.75, 2.4, 1.05, 4, 11.73, 13.55, 16.45, 0.75, 2.9, 4.3, 14.1, 8.95, 4.5, 8.95, 17.7, 2.1, 11.44, 5.65}
rand . (T - P)	= {0.28, 0.27, 0.04, 0.04, 0.05, 0.57, 0.07, 0.14, 0.05, 0.27, 0.35, 0.15, 0.38, 0.45, 0.23, 0.10, 0.04, 0.16, 0.47, 0.54, 0.66, 0.03, 0.12, 0.17, 0.56, 0.36, 0.18, 0.36, 0.71, 0.08, 0.46, 0.23}
Xnew = P + (rand . (T - P))	= {81.78, 83.12, 94.19, 74.19, 85.00, 67.07, 88.07, 82.44, 85.30, 97.82, 89.00, 85.15, 73.33, 74.10, 88.48, 89.60, 82.69, 81.21, 90.77, 84.79, 97.16, 86.03, 86.12, 87.87, 93.31, 79.66, 84.18, 91.61, 94.56, 90.58, 91.11, 84.23}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-145	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}

T(tetangga acuan)	=	{88.5, 76.15, 95.05, 73.23, 83.75, 80.75, 86.35, 85.75, 84.1, 90.9, 97.5, 88.75, 82.5, 85, 82.5, 87.1, 83.7, 85.05, 78.57, 70.7, 80.05, 85.25, 88.9, 92, 78.65, 88.25, 88.5, 82.3, 76.15, 92.6, 79.21, 89.65}
rand	=	0.05
(T - P)	=	{7, 6.7, 0.9, 0.92, 1.2, 14.25, 1.65, 3.45, 1.15, 6.65, 8.85, 3.75, 9.55, 11.35, 5.75, 2.4, 1.05, 4, 11.73, 13.55, 16.45, 0.75, 2.9, 4.3, 14.1, 8.95, 4.5, 8.95, 17.7, 2.1, 11.44, 5.65}
rand . (T - P)	=	{0.35, 0.34, 0.05, 0.05, 0.06, 0.71, 0.08, 0.17, 0.06, 0.33, 0.44, 0.19, 0.48, 0.57, 0.29, 0.12, 0.05, 0.20, 0.59, 0.68, 0.82, 0.04, 0.15, 0.22, 0.71, 0.45, 0.23, 0.45, 0.89, 0.11, 0.57, 0.28}
X_{new} = P + (rand . (T - P))	=	{81.85, 83.19, 94.20, 74.20, 85.01, 67.21, 88.08, 82.47, 85.31, 97.88, 89.09, 85.19, 73.43, 74.22, 88.54, 89.62, 82.70, 81.25, 90.89, 84.93, 97.32, 86.04, 86.15, 87.92, 93.46, 79.75, 84.23, 91.70, 94.74, 90.61, 91.22, 84.28}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-146		
P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{88.5, 76.15, 95.05, 73.23, 83.75, 80.75, 86.35, 85.75, 84.1, 90.9, 97.5, 88.75, 82.5, 85, 82.5, 87.1, 83.7, 85.05, 78.57, 70.7, 80.05, 85.25, 88.9, 92, 78.65, 88.25, 88.5, 82.3, 76.15, 92.6, 79.21, 89.65}
rand	=	0.06
(T - P)	=	{7, 6.7, 0.9, 0.92, 1.2, 14.25, 1.65, 3.45, 1.15, 6.65, 8.85, 3.75, 9.55, 11.35, 5.75, 2.4, 1.05, 4, 11.73, 13.55, 16.45, 0.75, 2.9, 4.3, 14.1, 8.95, 4.5, 8.95, 17.7, 2.1, 11.44, 5.65}
rand . (T - P)	=	{0.42, 0.40, 0.05, 0.06, 0.07, 0.86, 0.10, 0.21, 0.07, 0.40, 0.53, 0.23, 0.57, 0.68, 0.35, 0.14, 0.06, 0.24, 0.70, 0.81, 0.99, 0.05, 0.17, 0.26, 0.85, 0.54, 0.27, 0.54, 1.06, 0.13, 0.69, 0.34}
X_{new} = P + (rand . (T - P))	=	{81.92, 83.25, 94.20, 74.21, 85.02, 67.36, 88.10, 82.51, 85.32, 97.95, 89.18, 85.23, 73.52, 74.33, 88.60, 89.64, 82.71, 81.29, 91.00, 85.06, 97.49, 86.05, 86.17, 87.96, 93.60, 79.84, 84.27, 91.79, 94.91, 90.63, 91.34, 84.34}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-147		
P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{88.5, 76.15, 95.05, 73.23, 83.75, 80.75, 86.35, 85.75, 84.1, 90.9, 97.5, 88.75, 82.5, 85, 82.5, 87.1, 83.7, 85.05, 78.57, 70.7, 80.05, 85.25, 88.9, 92, 78.65, 88.25, 88.5, 82.3, 76.15, 92.6, 79.21, 89.65}
rand	=	0.07
(T - P)	=	{7, 6.7, 0.9, 0.92, 1.2, 14.25, 1.65, 3.45, 1.15, 6.65, 8.85, 3.75, 9.55, 11.35, 5.75, 2.4, 1.05, 4, 11.73, 13.55, 16.45, 0.75, 2.9, 4.3, 14.1, 8.95, 4.5, 8.95, 17.7, 2.1, 11.44, 5.65}
rand . (T - P)	=	{0.49, 0.47, 0.06, 0.06, 0.08, 1.00, 0.12, 0.24, 0.08, 0.47, 0.62, 0.26, 0.67, 0.79, 0.40, 0.17, 0.07, 0.28, 0.82, 0.95, 1.15, 0.05, 0.20, 0.30, 0.99, 0.63, 0.32, 0.63, 1.24, 0.15, 0.80, 0.40}

X_{new} = P + (rand . (T - P))	= {81.99, 83.32, 94.21, 74.21, 85.03, 67.50, 88.12, 82.54, 85.33, 98.02, 89.27, 85.26, 73.62, 74.44, 88.65, 89.67, 82.72, 81.33, 91.12, 85.20, 97.65, 86.05, 86.20, 88.00, 93.74, 79.93, 84.32, 91.88, 95.09, 90.65, 91.45, 84.40}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-148	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {88.5, 76.15, 95.05, 73.23, 83.75, 80.75, 86.35, 85.75, 84.1, 90.9, 97.5, 88.75, 82.5, 85, 82.5, 87.1, 83.7, 85.05, 78.57, 70.7, 80.05, 85.25, 88.9, 92, 78.65, 88.25, 88.5, 82.3, 76.15, 92.6, 79.21, 89.65}
rand	= 0.08
(T - P)	= {7, 6.7, 0.9, 0.92, 1.2, 14.25, 1.65, 3.45, 1.15, 6.65, 8.85, 3.75, 9.55, 11.35, 5.75, 2.4, 1.05, 4, 11.73, 13.55, 16.45, 0.75, 2.9, 4.3, 14.1, 8.95, 4.5, 8.95, 17.7, 2.1, 11.44, 5.65}
rand . (T - P)	= {0.56, 0.54, 0.07, 0.07, 0.10, 1.14, 0.13, 0.28, 0.09, 0.53, 0.71, 0.30, 0.76, 0.91, 0.46, 0.19, 0.08, 0.32, 0.94, 1.08, 1.32, 0.06, 0.23, 0.34, 1.13, 0.72, 0.36, 0.72, 1.42, 0.17, 0.92, 0.45}
X_{new} = P + (rand . (T - P))	= {82.06, 83.39, 94.22, 74.22, 85.05, 67.64, 88.13, 82.58, 85.34, 98.08, 89.36, 85.30, 73.71, 74.56, 88.71, 89.69, 82.73, 81.37, 91.24, 85.33, 97.82, 86.06, 86.23, 88.04, 93.88, 80.02, 84.36, 91.97, 95.27, 90.67, 91.57, 84.45}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-149	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {88.5, 76.15, 95.05, 73.23, 83.75, 80.75, 86.35, 85.75, 84.1, 90.9, 97.5, 88.75, 82.5, 85, 82.5, 87.1, 83.7, 85.05, 78.57, 70.7, 80.05, 85.25, 88.9, 92, 78.65, 88.25, 88.5, 82.3, 76.15, 92.6, 79.21, 89.65}
rand	= 0.09
(T - P)	= {7, 6.7, 0.9, 0.92, 1.2, 14.25, 1.65, 3.45, 1.15, 6.65, 8.85, 3.75, 9.55, 11.35, 5.75, 2.4, 1.05, 4, 11.73, 13.55, 16.45, 0.75, 2.9, 4.3, 14.1, 8.95, 4.5, 8.95, 17.7, 2.1, 11.44, 5.65}
rand . (T - P)	= {0.63, 0.60, 0.08, 0.08, 0.11, 1.28, 0.15, 0.31, 0.10, 0.60, 0.80, 0.34, 0.86, 1.02, 0.52, 0.22, 0.09, 0.36, 1.06, 1.22, 1.48, 0.07, 0.26, 0.39, 1.27, 0.81, 0.41, 0.81, 1.59, 0.19, 1.03, 0.51}
X_{new} = P + (rand . (T - P))	= {82.13, 83.45, 94.23, 74.23, 85.06, 67.78, 88.15, 82.61, 85.35, 98.15, 89.45, 85.34, 73.81, 74.67, 88.77, 89.72, 82.74, 81.41, 91.36, 85.47, 97.98, 86.07, 86.26, 88.09, 94.02, 80.11, 84.41, 92.06, 95.44, 90.69, 91.68, 84.51}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-150	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {88.5, 76.15, 95.05, 73.23, 83.75, 80.75, 86.35, 85.75, 84.1, 90.9, 97.5, 88.75, 82.5, 85, 82.5, 87.1, 83.7, 85.05, 78.57, 70.7, 80.05, 85.25, 88.9, 92, 78.65, 88.25, 88.5, 82.3, 76.15, 92.6, 79.21, 89.65}

rand	= 0.1
(T - P)	= {7, 6.7, 0.9, 0.92, 1.2, 14.25, 1.65, 3.45, 1.15, 6.65, 8.85, 3.75, 9.55, 11.35, 5.75, 2.4, 1.05, 4, 11.73, 13.55, 16.45, 0.75, 2.9, 4.3, 14.1, 8.95, 4.5, 8.95, 17.7, 2.1, 11.44, 5.65}
rand . (T - P)	= {0.70, 0.67, 0.09, 0.09, 0.12, 1.43, 0.17, 0.35, 0.12, 0.67, 0.89, 0.38, 0.96, 1.14, 0.58, 0.24, 0.11, 0.40, 1.17, 1.36, 1.65, 0.08, 0.29, 0.43, 1.41, 0.90, 0.45, 0.90, 1.77, 0.21, 1.14, 0.57}
Xnew = P + (rand . (T - P))	= {82.20, 83.52, 94.24, 74.24, 85.07, 67.93, 88.17, 82.65, 85.37, 98.22, 89.54, 85.38, 73.91, 74.79, 88.83, 89.74, 82.76, 81.45, 91.47, 85.61, 98.15, 86.08, 86.29, 88.13, 94.16, 80.20, 84.45, 92.15, 95.62, 90.71, 91.79, 84.57}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-151	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {79.9, 84.25, 93.6, 77.11, 91.2, 77.65, 85.6, 83.1, 87.75, 79.4, 83.75, 81.75, 93, 96.65, 95.5, 86.8, 85.8, 84, 85.65, 74.85, 83, 84.75, 93.5, 85.5, 80.05, 82.1, 86, 94, 88.3, 83.2, 91.83, 78.38}
rand	= 0.01
(T - P)	= {1.6, 1.4, 0.55, 2.96, 6.25, 11.15, 2.4, 0.8, 2.5, 18.15, 4.9, 3.25, 20.05, 23, 7.25, 2.7, 3.15, 2.95, 4.65, 9.4, 13.5, 1.25, 7.5, 2.2, 12.7, 2.8, 2, 2.75, 5.55, 7.3, 1.18, 5.62}
rand . (T - P)	= {0.02, 0.01, 0.01, 0.03, 0.06, 0.11, 0.02, 0.01, 0.03, 0.18, 0.05, 0.03, 0.20, 0.23, 0.07, 0.03, 0.03, 0.03, 0.05, 0.09, 0.14, 0.01, 0.08, 0.02, 0.13, 0.03, 0.02, 0.03, 0.06, 0.07, 0.01, 0.06}
Xnew = P + (rand . (T - P))	= {81.52, 82.86, 94.16, 74.18, 85.01, 66.61, 88.02, 82.31, 85.28, 97.73, 88.70, 85.03, 73.15, 73.88, 88.32, 89.53, 82.68, 81.08, 90.35, 84.34, 96.64, 86.01, 86.08, 87.72, 92.88, 79.33, 84.02, 91.28, 93.91, 90.57, 90.66, 84.06}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-152	
P(titik sample)	= {81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	= {79.9, 84.25, 93.6, 77.11, 91.2, 77.65, 85.6, 83.1, 87.75, 79.4, 83.75, 81.75, 93, 96.65, 95.5, 86.8, 85.8, 84, 85.65, 74.85, 83, 84.75, 93.5, 85.5, 80.05, 82.1, 86, 94, 88.3, 83.2, 91.83, 78.38}
rand	= 0.02
(T - P)	= {1.6, 1.4, 0.55, 2.96, 6.25, 11.15, 2.4, 0.8, 2.5, 18.15, 4.9, 3.25, 20.05, 23, 7.25, 2.7, 3.15, 2.95, 4.65, 9.4, 13.5, 1.25, 7.5, 2.2, 12.7, 2.8, 2, 2.75, 5.55, 7.3, 1.18, 5.62}
rand . (T - P)	= {0.03, 0.03, 0.01, 0.06, 0.13, 0.22, 0.05, 0.02, 0.05, 0.36, 0.10, 0.07, 0.40, 0.46, 0.15, 0.05, 0.06, 0.06, 0.09, 0.19, 0.27, 0.03, 0.15, 0.04, 0.25, 0.06, 0.04, 0.06, 0.11, 0.15, 0.02, 0.11}
Xnew = P + (rand . (T - P))	= {81.53, 82.88, 94.16, 74.21, 85.08, 66.72, 88.05, 82.32, 85.30, 97.91, 88.75, 85.07, 73.35, 74.11, 88.40, 89.55, 82.71, 81.11, 90.39, 84.44, 96.77, 86.03, 86.15, 87.74, 93.00, 79.36, 84.04, 91.31, 93.96, 90.65, 90.67, 84.11}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-153	

P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{79.9, 84.25, 93.6, 77.11, 91.2, 77.65, 85.6, 83.1, 87.75, 79.4, 83.75, 81.75, 93, 96.65, 95.5, 86.8, 85.8, 84, 85.65, 74.85, 83, 84.75, 93.5, 85.5, 80.05, 82.1, 86, 94, 88.3, 83.2, 91.83, 78.38}
rand	=	0.03
(T - P)	=	{1.6, 1.4, 0.55, 2.96, 6.25, 11.15, 2.4, 0.8, 2.5, 18.15, 4.9, 3.25, 20.05, 23, 7.25, 2.7, 3.15, 2.95, 4.65, 9.4, 13.5, 1.25, 7.5, 2.2, 12.7, 2.8, 2, 2.75, 5.55, 7.3, 1.18, 5.62}
rand . (T - P)	=	{0.05, 0.04, 0.02, 0.09, 0.19, 0.33, 0.07, 0.02, 0.08, 0.54, 0.15, 0.10, 0.60, 0.69, 0.22, 0.08, 0.09, 0.09, 0.14, 0.28, 0.41, 0.04, 0.23, 0.07, 0.38, 0.08, 0.06, 0.08, 0.17, 0.22, 0.04, 0.17}
X_{new} = P + (rand . (T - P))	=	{81.55, 82.89, 94.17, 74.24, 85.14, 66.83, 88.07, 82.32, 85.33, 98.09, 88.80, 85.10, 73.55, 74.34, 88.47, 89.58, 82.74, 81.14, 90.44, 84.53, 96.91, 86.04, 86.23, 87.77, 93.13, 79.38, 84.06, 91.33, 94.02, 90.72, 90.69, 84.17}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-154		
P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{79.9, 84.25, 93.6, 77.11, 91.2, 77.65, 85.6, 83.1, 87.75, 79.4, 83.75, 81.75, 93, 96.65, 95.5, 86.8, 85.8, 84, 85.65, 74.85, 83, 84.75, 93.5, 85.5, 80.05, 82.1, 86, 94, 88.3, 83.2, 91.83, 78.38}
rand	=	0.04
(T - P)	=	{1.6, 1.4, 0.55, 2.96, 6.25, 11.15, 2.4, 0.8, 2.5, 18.15, 4.9, 3.25, 20.05, 23, 7.25, 2.7, 3.15, 2.95, 4.65, 9.4, 13.5, 1.25, 7.5, 2.2, 12.7, 2.8, 2, 2.75, 5.55, 7.3, 1.18, 5.62}
rand . (T - P)	=	{0.06, 0.06, 0.02, 0.12, 0.25, 0.45, 0.10, 0.03, 0.10, 0.73, 0.20, 0.13, 0.80, 0.92, 0.29, 0.11, 0.13, 0.12, 0.19, 0.38, 0.54, 0.05, 0.30, 0.09, 0.51, 0.11, 0.08, 0.11, 0.22, 0.29, 0.05, 0.22}
X_{new} = P + (rand . (T - P))	=	{81.56, 82.91, 94.17, 74.27, 85.20, 66.95, 88.10, 82.33, 85.35, 98.28, 88.85, 85.13, 73.75, 74.57, 88.54, 89.61, 82.78, 81.17, 90.49, 84.63, 97.04, 86.05, 86.30, 87.79, 93.26, 79.41, 84.08, 91.36, 94.07, 90.79, 90.70, 84.22}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Intelligent Systems ke-155		
P(titik sample)	=	{81.5, 82.85, 94.15, 74.15, 84.95, 66.5, 88, 82.3, 85.25, 97.55, 88.65, 85, 72.95, 73.65, 88.25, 89.5, 82.65, 81.05, 90.3, 84.25, 96.5, 86, 86, 87.7, 92.75, 79.3, 84, 91.25, 93.85, 90.5, 90.65, 84}
T(tetangga acuan)	=	{79.9, 84.25, 93.6, 77.11, 91.2, 77.65, 85.6, 83.1, 87.75, 79.4, 83.75, 81.75, 93, 96.65, 95.5, 86.8, 85.8, 84, 85.65, 74.85, 83, 84.75, 93.5, 85.5, 80.05, 82.1, 86, 94, 88.3, 83.2, 91.83, 78.38}
rand	=	0.05
(T - P)	=	{1.6, 1.4, 0.55, 2.96, 6.25, 11.15, 2.4, 0.8, 2.5, 18.15, 4.9, 3.25, 20.05, 23, 7.25, 2.7, 3.15, 2.95, 4.65, 9.4, 13.5, 1.25, 7.5, 2.2, 12.7, 2.8, 2, 2.75, 5.55, 7.3, 1.18, 5.62}
rand . (T - P)	=	{0.08, 0.07, 0.03, 0.15, 0.31, 0.56, 0.12, 0.04, 0.13, 0.91, 0.25, 0.16, 1.00, 1.15, 0.36, 0.14, 0.16, 0.15, 0.23, 0.47, 0.68, 0.06, 0.38, 0.11, 0.64, 0.14, 0.10, 0.14, 0.28, 0.37, 0.06, 0.28}

$$\mathbf{X_{new} = P + (rand \cdot (T - P))} = \{81.58, 82.92, 94.18, 74.30, 85.26, 67.06, 88.12, 82.34, 85.38, 98.46, 88.90, 85.16, 73.95, 74.80, 88.61, 89.64, 82.81, 81.20, 90.53, 84.72, 97.18, 86.06, 86.38, 87.81, 93.39, 79.44, 84.10, 91.39, 94.13, 90.87, 90.71, 84.28\}$$



Lampiran 6 Data Oversampling untuk kelas Intellegent Systems

F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18	F19	F20	F21	F22	F23	F24	F25	F26	F27	F28	F29	F30	F31	F32
81.65	82.88	94.18	74.18	84.98	66.7	88.01	82.35	85.25	97.55	88.69	85.05	73.06	73.73	88.29	89.56	82.72	81.18	90.37	84.31	96.51	86	86	87.75	92.75	79.35	84.05	91.32	93.86	90.54	90.67	84.07
81.8	82.91	94.21	74.21	85.01	66.9	88.01	82.39	85.26	97.56	88.73	85.11	73.18	73.81	88.33	89.62	82.79	81.31	90.44	84.37	96.52	86	86	87.81	92.75	79.41	84.11	91.38	93.86	90.57	90.69	84.15
81.95	82.94	94.24	74.24	85.04	67.09	88.02	82.44	85.26	97.56	88.77	85.16	73.29	73.89	88.37	89.68	82.86	81.44	90.52	84.43	96.53	86	86.01	87.86	92.75	79.46	84.16	91.45	93.87	90.61	90.71	84.22
82.1	82.97	94.27	74.27	85.07	67.29	88.03	82.48	85.27	97.56	88.81	85.21	73.4	73.97	88.41	89.74	82.93	81.57	90.59	84.49	96.54	86	86.01	87.91	92.75	79.51	84.21	91.51	93.87	90.64	90.73	84.3
82.25	83	94.3	74.3	85.1	67.49	88.04	82.53	85.27	97.57	88.85	85.26	73.52	74.05	88.45	89.8	83.01	81.7	90.66	84.55	96.55	86	86.01	87.96	92.75	79.56	84.27	91.58	93.88	90.68	90.76	84.37
82.4	83.02	94.33	74.32	85.13	67.69	88.04	82.57	85.28	97.57	88.88	85.32	73.63	74.13	88.49	89.86	83.08	81.83	90.73	84.61	96.56	86	86.01	88.02	92.75	79.62	84.32	91.64	93.88	90.71	90.78	84.45
82.55	83.05	94.36	74.35	85.16	67.88	88.05	82.62	85.28	97.57	88.92	85.37	73.74	74.21	88.53	89.92	83.15	81.96	90.8	84.67	96.57	86	86.01	88.07	92.75	79.67	84.37	91.71	93.89	90.75	90.8	84.52
82.7	83.08	94.39	74.38	85.19	68.08	88.06	82.66	85.29	97.57	88.96	85.42	73.85	74.29	88.57	89.98	83.22	82.09	90.88	84.73	96.58	86	86.02	88.12	92.75	79.72	84.43	91.77	93.89	90.78	90.82	84.59
82.85	83.11	94.42	74.41	85.22	68.28	88.06	82.71	85.29	97.58	89	85.47	73.97	74.37	88.61	90.04	83.29	82.22	90.95	84.79	96.59	86	86.02	88.17	92.75	79.77	84.48	91.84	93.9	90.82	90.84	84.67
83.01	83.14	94.45	74.44	85.25	68.48	88.07	82.75	85.3	97.58	89.04	85.53	74.08	74.46	88.65	90.1	83.36	82.35	91.02	84.85	96.61	86	86.02	88.23	92.75	79.83	84.54	91.9	93.91	90.85	90.86	84.74
81.51	82.91	94.18	74.15	84.95	66.69	88.07	82.44	85.26	97.76	88.67	85.04	73.05	73.75	88.27	89.5	82.66	81.06	90.31	84.27	96.5	86.02	86.03	87.72	92.79	79.35	84.03	91.3	93.89	90.53	90.66	84.09
81.51	82.96	94.21	74.15	84.96	66.89	88.14	82.58	85.27	97.97	88.69	85.09	73.15	73.85	88.29	89.51	82.66	81.07	90.31	84.3	96.5	86.04	86.05	87.74	92.83	79.41	84.06	91.35	93.93	90.56	90.68	84.19
81.52	83.02	94.24	74.15	84.96	67.08	88.2	82.72	85.27	98.18	88.7	85.13	73.24	73.95	88.31	89.51	82.67	81.08	90.32	84.32	96.5	86.05	86.08	87.75	92.86	79.46	84.09	91.39	93.97	90.59	90.69	84.28
81.53	83.07	94.26	74.15	84.97	67.27	88.27	82.86	85.28	98.39	88.72	85.17	73.34	74.04	88.33	89.52	82.67	81.09	90.32	84.34	96.5	86.07	86.1	87.77	92.9	79.52	84.12	91.44	94.01	90.62	90.71	84.37
81.54	83.13	94.29	74.15	84.97	67.46	88.34	83	85.29	98.6	88.74	85.21	73.44	74.14	88.35	89.52	82.68	81.1	90.33	84.36	96.5	86.09	86.13	87.79	92.94	79.57	84.15	91.49	94.05	90.65	90.72	84.47
81.54	83.19	94.32	74.15	84.98	67.66	88.41	83.13	85.3	98.81	88.76	85.26	73.54	74.24	88.37	89.53	82.69	81.11	90.33	84.39	96.5	86.11	86.15	87.81	92.98	79.63	84.18	91.54	94.09	90.68	90.74	84.56
81.55	83.24	94.35	74.15	84.98	67.85	88.47	83.27	85.31	99.02	88.78	85.3	73.63	74.34	88.39	89.53	82.69	81.12	90.34	84.41	96.5	86.12	86.18	87.82	93.01	79.68	84.21	91.59	94.13	90.71	90.75	84.65
81.56	83.3	94.38	74.15	84.99	68.04	88.54	83.41	85.31	99.23	88.79	85.34	73.73	74.44	88.41	89.54	82.7	81.13	90.34	84.43	96.5	86.14	86.2	87.84	93.05	79.74	84.24	91.63	94.17	90.74	90.77	84.74
81.56	83.35	94.41	74.15	84.99	68.23	88.61	83.55	85.32	99.44	88.81	85.38	73.83	74.54	88.43	89.54	82.7	81.14	90.35	84.45	96.5	86.16	86.23	87.86	93.09	79.79	84.27	91.68	94.21	90.77	90.78	84.84
81.57	83.41	94.44	74.16	85	68.43	88.68	83.69	85.33	99.65	88.83	85.43	73.93	74.64	88.45	89.55	82.71	81.15	90.36	84.48	96.5	86.18	86.25	87.88	93.13	79.85	84.3	91.73	94.25	90.8	90.8	84.93
81.57	82.9	94.18	74.19	84.98	66.66	88.01	82.38	85.27	97.6	88.72	85.06	73.05	73.83	88.27	89.55	82.65	81.05	90.32	84.31	96.64	86.01	86.06	87.75	92.84	79.4	84.06	91.33	93.93	90.51	90.66	84.05
81.65	82.94	94.21	74.23	85	66.82	88.02	82.45	85.3	97.66	88.8	85.11	73.15	74.01	88.3	89.6	82.66	81.05	90.34	84.36	96.77	86.02	86.11	87.81	92.92	79.51	84.12	91.41	94	90.52	90.67	84.11
81.72	82.99	94.23	74.27	85.03	66.99	88.03	82.53	85.32	97.71	88.87	85.17	73.25	74.19	88.32	89.66	82.66	81.06	90.36	84.42	96.91	86.03	86.17	87.86	93.01	79.61	84.17	91.48	94.08	90.53	90.68	84.16
81.79	83.04	94.26	74.31	85.05	67.15	88.04	82.61	85.34	97.76	88.94	85.23	73.35	74.36	88.34	89.71	82.66	81.06	90.38	84.47	97.05	86.04	86.23	87.91	93.09	79.71	84.23	91.56	94.15	90.54	90.69	84.22
81.87	83.09	94.29	74.35	85.08	67.31	88.05	82.69	85.36	97.82	89.02	85.29	73.45	74.54	88.36	89.76	82.67	81.06	90.4	84.53	97.19	86.05	86.29	87.97	93.18	79.81	84.29	91.64	94.23	90.55	90.7	84.27
81.94	83.13	94.32	74.38	85.1	67.47	88.06	82.76	85.39	97.87	89.09	85.34	73.55	74.72	88.39	89.81	82.67	81.06	90.42	84.58	97.32	86.06	86.34	88.02	93.26	79.92	84.35	91.72	94.3	90.56	90.71	84.32
82.01	83.18	94.34	74.42	85.13	67.63	88.07	82.84	85.41	97.92	89.16	85.4	73.65	74.9	88.41	89.86	82.67	81.06	90.44	84.64	97.46	86.07	86.4	88.07	93.35	80.02	84.4	91.79	94.38	90.57	90.72	84.38
82.08	83.23	94.37	74.46	85.15	67.8	88.08	82.92	85.43	97.98	89.24	85.46	73.75	75.08	88.43	89.92	82.68	81.07	90.46	84.69	97.6	86.08	86.46	88.12	93.43	80.12	84.46	91.87	94.45	90.58	90.73	84.43

F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18	F19	F20	F21	F22	F23	F24	F25	F26	F27	F28	F29	F30	F31	F32
82.16	83.27	94.4	74.5	85.18	67.96	88.09	82.99	85.45	98.03	89.31	85.51	73.85	75.26	88.45	89.97	82.68	81.07	90.48	84.75	97.73	86.09	86.51	88.18	93.52	80.22	84.52	91.95	94.53	90.59	90.74	84.49
82.23	83.32	94.43	74.54	85.21	68.12	88.1	83.07	85.48	98.09	89.39	85.57	73.96	75.44	88.48	90.02	82.69	81.07	90.5	84.8	97.87	86.1	86.57	88.23	93.6	80.33	84.58	92.03	94.61	90.6	90.75	84.54
81.54	82.93	94.19	74.16	85	66.7	88.05	82.36	85.25	97.65	88.67	85.02	73.01	73.79	88.27	89.53	82.68	81.06	90.36	84.28	96.64	86.02	86.08	87.77	92.75	79.46	84.01	91.32	93.89	90.54	90.67	84.03
81.58	83.01	94.22	74.17	85.05	66.9	88.1	82.42	85.26	97.76	88.69	85.04	73.08	73.93	88.3	89.55	82.72	81.07	90.42	84.3	96.78	86.04	86.16	87.84	92.76	79.62	84.03	91.39	93.93	90.57	90.7	84.05
81.62	83.09	94.26	74.18	85.09	67.1	88.15	82.48	85.26	97.86	88.72	85.05	73.14	74.07	88.32	89.58	82.75	81.08	90.48	84.33	96.91	86.05	86.24	87.91	92.76	79.79	84.04	91.47	93.96	90.61	90.72	84.08
81.66	83.17	94.29	74.19	85.14	67.29	88.2	82.54	85.26	97.96	88.74	85.07	73.2	74.21	88.34	89.61	82.79	81.1	90.54	84.35	97.05	86.07	86.32	87.98	92.77	79.95	84.05	91.54	94	90.64	90.74	84.1
81.7	83.25	94.33	74.2	85.19	67.49	88.25	82.6	85.27	98.07	88.76	85.09	73.27	74.35	88.36	89.63	82.82	81.11	90.61	84.38	97.19	86.09	86.4	88.05	92.77	80.11	84.06	91.61	94.04	90.68	90.77	84.13
81.74	83.32	94.36	74.21	85.24	67.69	88.3	82.66	85.27	98.17	88.78	85.11	73.33	74.48	88.39	89.66	82.85	81.12	90.67	84.4	97.33	86.11	86.48	88.12	92.78	80.27	84.08	91.68	94.08	90.71	90.79	84.15
81.78	83.4	94.4	74.22	85.29	67.89	88.35	82.72	85.27	98.27	88.8	85.13	73.39	74.62	88.41	89.69	82.89	81.13	90.73	84.43	97.46	86.13	86.56	88.19	92.78	80.43	84.09	91.75	94.11	90.75	90.81	84.18
81.82	83.48	94.43	74.23	85.33	68.09	88.4	82.78	85.28	98.38	88.83	85.14	73.45	74.76	88.43	89.71	82.92	81.14	90.79	84.45	97.6	86.14	86.64	88.26	92.79	80.6	84.1	91.83	94.15	90.78	90.84	84.2
81.86	83.56	94.47	74.24	85.38	68.29	88.45	82.84	85.28	98.48	88.85	85.16	73.52	74.9	88.45	89.74	82.96	81.15	90.85	84.48	97.74	86.16	86.72	88.33	92.79	80.76	84.11	91.9	94.19	90.82	90.86	84.23
81.9	83.64	94.5	74.25	85.43	68.49	88.5	82.9	85.29	98.59	88.87	85.18	73.58	75.04	88.48	89.77	82.99	81.17	90.91	84.5	97.88	86.18	86.81	88.41	92.8	80.92	84.13	91.97	94.23	90.85	90.89	84.25
81.55	82.89	94.17	74.25	85.05	66.54	88.01	82.33	85.27	97.65	88.68	85.07	73.16	73.81	88.28	89.5	82.68	81.13	90.31	84.27	96.65	86.04	86.04	87.71	92.76	79.42	84.01	91.25	93.91	90.53	90.67	84.04
81.6	82.93	94.2	74.36	85.15	66.57	88.02	82.36	85.29	97.75	88.71	85.13	73.37	73.97	88.31	89.51	82.71	81.2	90.31	84.29	96.8	86.07	86.09	87.72	92.78	79.55	84.02	91.26	93.96	90.57	90.7	84.09
81.65	82.97	94.22	74.46	85.25	66.61	88.03	82.38	85.32	97.85	88.74	85.2	73.58	74.13	88.35	89.51	82.73	81.28	90.32	84.3	96.95	86.11	86.13	87.73	92.79	79.67	84.02	91.26	94.02	90.6	90.72	84.13
81.7	83.01	94.24	74.57	85.35	66.64	88.04	82.41	85.34	97.95	88.76	85.26	73.79	74.29	88.38	89.51	82.76	81.35	90.32	84.32	97.1	86.14	86.18	87.74	92.8	79.8	84.03	91.26	94.07	90.63	90.74	84.17
81.75	83.06	94.27	74.67	85.46	66.68	88.05	82.44	85.36	98.05	88.79	85.33	74	74.45	88.41	89.51	82.79	81.43	90.33	84.34	97.25	86.18	86.22	87.75	92.82	79.92	84.04	91.26	94.13	90.66	90.77	84.21
81.8	83.1	94.29	74.78	85.56	66.71	88.06	82.47	85.38	98.15	88.82	85.39	74.21	74.61	88.44	89.52	82.82	81.51	90.33	84.36	97.39	86.22	86.26	87.76	92.83	80.05	84.05	91.27	94.19	90.7	90.79	84.26
81.85	83.14	94.31	74.88	85.66	66.75	88.07	82.5	85.4	98.25	88.85	85.46	74.42	74.77	88.47	89.52	82.85	81.58	90.34	84.37	97.54	86.25	86.31	87.77	92.84	80.17	84.05	91.27	94.24	90.73	90.81	84.3
81.9	83.18	94.33	74.99	85.76	66.78	88.08	82.52	85.43	98.35	88.88	85.52	74.63	74.93	88.51	89.52	82.87	81.66	90.34	84.39	97.69	86.29	86.35	87.78	92.85	80.3	84.06	91.27	94.3	90.76	90.84	84.34
81.95	83.22	94.36	75.09	85.86	66.82	88.09	82.55	85.45	98.45	88.91	85.59	74.84	75.09	88.54	89.52	82.9	81.73	90.35	84.41	97.84	86.32	86.4	87.79	92.87	80.42	84.07	91.27	94.35	90.79	90.86	84.38
82	83.26	94.38	75.2	85.96	66.85	88.1	82.58	85.47	98.55	88.94	85.65	75.06	75.26	88.57	89.53	82.93	81.81	90.36	84.43	97.99	86.36	86.44	87.81	92.88	80.55	84.08	91.28	94.41	90.83	90.88	84.43
81.56	82.97	94.21	74.15	85.14	66.52	88.03	82.34	85.28	97.64	88.66	85.07	73.12	73.76	88.26	89.53	82.69	81.12	90.34	84.3	96.66	86.04	86.02	87.71	92.8	79.45	84.05	91.25	93.91	90.53	90.7	84.05
81.62	83.09	94.26	74.15	85.32	66.54	88.06	82.37	85.3	97.73	88.67	85.13	73.28	73.86	88.27	89.56	82.72	81.19	90.38	84.36	96.83	86.08	86.05	87.71	92.84	79.6	84.1	91.26	93.97	90.57	90.75	84.1
81.67	83.21	94.32	74.15	85.51	66.55	88.08	82.41	85.33	97.82	88.68	85.2	73.45	73.97	88.28	89.58	82.76	81.26	90.42	84.41	96.99	86.11	86.07	87.72	92.89	79.76	84.15	91.26	94.03	90.6	90.8	84.15
81.73	83.32	94.37	74.15	85.7	66.57	88.11	82.44	85.35	97.91	88.69	85.26	73.61	74.08	88.29	89.61	82.79	81.34	90.46	84.46	97.15	86.15	86.1	87.72	92.93	79.91	84.2	91.26	94.09	90.63	90.85	84.2
81.79	83.44	94.43	74.15	85.88	66.59	88.14	82.48	85.38	98.01	88.7	85.33	73.78	74.18	88.3	89.64	82.83	81.41	90.5	84.51	97.32	86.19	86.12	87.73	92.98	80.06	84.25	91.26	94.16	90.66	90.91	84.25
81.85	83.56	94.49	74.15	86.07	66.61	88.17	82.52	85.4	98.1	88.7	85.39	73.94	74.29	88.31	89.67	82.86	81.48	90.54	84.57	97.48	86.23	86.15	87.73	93.02	80.21	84.3	91.27	94.22	90.7	90.96	84.3
81.9	83.68	94.54	74.16	86.26	66.62	88.19	82.55	85.43	98.19	88.71	85.46	74.11	74.4	88.32	89.69	82.9	81.55	90.58	84.62	97.64	86.27	86.17	87.74	93.07	80.36	84.35	91.27	94.28	90.73	91.01	84.35
81.96	83.8	94.6	74.16	86.44	66.64	88.22	82.59	85.45	98.28	88.72	85.52	74.27	74.5	88.33	89.72	82.93	81.62	90.62	84.67	97.8	86.3	86.2	87.74	93.11	80.52	84.4	91.27	94.34	90.76	91.06	84.4

F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18	F19	F20	F21	F22	F23	F24	F25	F26	F27	F28	F29	F30	F31	F32
82.02	83.92	94.65	74.16	86.63	66.66	88.25	82.62	85.48	98.37	88.73	85.59	74.44	74.61	88.34	89.75	82.97	81.69	90.66	84.72	97.97	86.34	86.22	87.75	93.16	80.67	84.45	91.27	94.4	90.79	91.11	84.45
82.08	84.04	94.71	74.16	86.82	66.68	88.28	82.66	85.5	98.46	88.74	85.65	74.61	74.72	88.35	89.78	83.01	81.77	90.71	84.78	98.13	86.38	86.25	87.76	93.2	80.82	84.5	91.28	94.46	90.83	91.16	84.5
81.59	82.87	94.17	74.2	85.03	66.63	88.04	82.34	85.26	97.75	88.65	85.03	73.09	73.77	88.27	89.51	82.69	81.16	90.4	84.31	96.58	86.03	86.11	87.72	92.85	79.42	84.09	91.28	93.91	90.52	90.66	84.04
81.68	82.9	94.2	74.25	85.12	66.75	88.09	82.38	85.28	97.94	88.65	85.05	73.23	73.89	88.29	89.52	82.74	81.27	90.51	84.38	96.66	86.05	86.21	87.73	92.96	79.53	84.18	91.32	93.97	90.54	90.66	84.08
81.77	82.92	94.22	74.3	85.2	66.88	88.13	82.42	85.29	98.14	88.65	85.08	73.37	74.01	88.3	89.53	82.78	81.37	90.61	84.44	96.75	86.08	86.32	87.75	93.06	79.65	84.27	91.35	94.03	90.56	90.67	84.12
81.86	82.94	94.25	74.35	85.28	67.01	88.18	82.46	85.3	98.33	88.65	85.1	73.51	74.13	88.32	89.55	82.83	81.48	90.71	84.5	96.83	86.11	86.42	87.76	93.16	79.77	84.36	91.38	94.09	90.58	90.67	84.16
81.95	82.97	94.27	74.41	85.37	67.14	88.22	82.51	85.32	98.53	88.66	85.13	73.66	74.25	88.34	89.56	82.87	81.59	90.81	84.57	96.91	86.14	86.53	87.78	93.26	79.89	84.45	91.41	94.16	90.6	90.68	84.2
82.04	82.99	94.29	74.46	85.45	67.26	88.27	82.55	85.33	98.73	88.66	85.16	73.8	74.37	88.36	89.57	82.91	81.7	90.92	84.63	96.99	86.16	86.63	87.79	93.37	80	84.54	91.45	94.22	90.62	90.68	84.24
82.13	83.01	94.32	74.51	85.53	67.39	88.31	82.59	85.34	98.92	88.66	85.18	73.94	74.49	88.37	89.58	82.96	81.8	91.02	84.69	97.07	86.19	86.74	87.81	93.47	80.12	84.63	91.48	94.28	90.64	90.69	84.28
82.22	83.04	94.34	74.56	85.62	67.52	88.36	82.63	85.35	99.12	88.66	85.21	74.08	74.61	88.39	89.59	83	81.91	91.12	84.75	97.16	86.22	86.85	87.82	93.57	80.24	84.72	91.51	94.34	90.66	90.69	84.32
82.31	83.06	94.37	74.61	85.7	67.64	88.4	82.67	85.37	99.31	88.66	85.23	74.22	74.73	88.41	89.6	83.05	82.02	91.22	84.82	97.24	86.24	86.95	87.84	93.67	80.35	84.81	91.54	94.4	90.68	90.7	84.36
82.4	83.09	94.39	74.66	85.79	67.77	88.45	82.71	85.38	99.51	88.66	85.26	74.36	74.86	88.43	89.62	83.09	82.13	91.33	84.88	97.32	86.27	87.06	87.86	93.78	80.47	84.9	91.58	94.46	90.7	90.71	84.4
81.56	82.92	94.22	74.27	85	66.65	88	82.33	85.28	97.66	88.71	85.07	72.96	73.87	88.28	89.59	82.71	81.11	90.34	84.3	96.65	86.05	86.01	87.7	92.78	79.38	84.13	91.31	93.92	90.52	90.67	84.05
81.62	82.99	94.29	74.4	85.05	66.79	88	82.36	85.31	97.76	88.77	85.14	72.97	74.09	88.32	89.68	82.77	81.18	90.37	84.36	96.81	86.11	86.03	87.7	92.81	79.46	84.26	91.37	93.98	90.54	90.69	84.11
81.69	83.06	94.36	74.52	85.1	66.94	88	82.4	85.35	97.87	88.83	85.22	72.98	74.31	88.35	89.77	82.83	81.24	90.41	84.41	96.96	86.16	86.04	87.7	92.84	79.54	84.39	91.42	94.05	90.56	90.72	84.16
81.75	83.13	94.42	74.64	85.15	67.09	88.01	82.43	85.38	97.98	88.89	85.29	72.99	74.53	88.38	89.86	82.88	81.31	90.44	84.47	97.12	86.21	86.05	87.7	92.87	79.61	84.52	91.48	94.11	90.58	90.74	84.21
81.81	83.2	94.49	74.77	85.21	67.23	88.01	82.46	85.41	98.08	88.96	85.36	73	74.75	88.42	89.95	82.94	81.37	90.48	84.52	97.27	86.26	86.06	87.71	92.9	79.69	84.65	91.54	94.18	90.6	90.76	84.27
81.87	83.27	94.56	74.89	85.26	67.38	88.01	82.49	85.44	98.19	89.02	85.43	73.01	74.97	88.45	90.04	83	81.43	90.51	84.58	97.43	86.32	86.08	87.71	92.93	79.77	84.78	91.6	94.25	90.62	90.78	84.32
81.93	83.34	94.63	75.01	85.31	67.53	88.01	82.52	85.47	98.3	89.08	85.5	73.02	75.19	88.48	90.13	83.06	81.5	90.55	84.63	97.58	86.37	86.09	87.71	92.96	79.85	84.91	91.65	94.31	90.64	90.8	84.37
82	83.41	94.7	75.14	85.36	67.67	88.01	82.56	85.51	98.4	89.14	85.58	73.03	75.41	88.51	90.22	83.12	81.56	90.58	84.69	97.74	86.42	86.1	87.71	92.99	79.93	85.04	91.71	94.38	90.66	90.82	84.42
82.06	83.48	94.77	75.26	85.41	67.82	88.01	82.59	85.54	98.51	89.2	85.65	73.04	75.63	88.55	90.31	83.18	81.63	90.62	84.74	97.89	86.47	86.11	87.71	93.02	80.01	85.17	91.77	94.44	90.68	90.85	84.48
82.12	83.55	94.84	75.39	85.46	67.97	88.02	82.62	85.57	98.62	89.26	85.72	73.05	75.86	88.58	90.4	83.24	81.69	90.65	84.8	98.05	86.53	86.13	87.71	93.05	80.09	85.3	91.83	94.51	90.71	90.87	84.53
81.59	82.85	94.16	74.17	85.09	66.65	88.01	82.39	85.29	97.61	88.73	85.08	73.18	73.75	88.31	89.55	82.65	81.06	90.36	84.28	96.62	86.03	86.06	87.76	92.85	79.39	84.08	91.27	93.93	90.53	90.68	84.08
81.68	82.86	94.17	74.18	85.22	66.81	88.01	82.48	85.32	97.67	88.81	85.16	73.4	73.84	88.37	89.61	82.66	81.08	90.42	84.31	96.73	86.06	86.12	87.83	92.95	79.49	84.15	91.28	94	90.56	90.7	84.16
81.77	82.86	94.19	74.2	85.36	66.96	88.02	82.57	85.36	97.73	88.89	85.24	73.63	73.94	88.42	89.66	82.66	81.09	90.49	84.34	96.85	86.08	86.19	87.89	93.05	79.58	84.23	91.3	94.08	90.59	90.73	84.24
81.86	82.86	94.2	74.21	85.5	67.11	88.02	82.66	85.4	97.78	88.97	85.32	73.85	74.03	88.48	89.71	82.66	81.1	90.55	84.37	96.96	86.11	86.25	87.95	93.15	79.68	84.3	91.32	94.15	90.62	90.75	84.32
81.96	82.87	94.21	74.23	85.64	67.26	88.03	82.75	85.43	97.84	89.05	85.4	74.08	74.13	88.54	89.76	82.67	81.12	90.61	84.4	97.08	86.14	86.31	88.02	93.25	79.77	84.38	91.34	94.23	90.66	90.78	84.4
82.05	82.87	94.22	74.24	85.77	67.42	88.04	82.84	85.47	97.9	89.13	85.48	74.3	74.23	88.6	89.82	82.67	81.13	90.67	84.43	97.2	86.17	86.37	88.08	93.35	79.87	84.45	91.35	94.3	90.69	90.81	84.47
82.14	82.87	94.23	74.26	85.91	67.57	88.04	82.93	85.51	97.96	89.21	85.56	74.53	74.32	88.65	89.87	82.67	81.14	90.74	84.46	97.31	86.19	86.43	88.14	93.45	79.96	84.53	91.37	94.38	90.72	90.83	84.55
82.23	82.88	94.25	74.27	86.05	67.72	88.05	83.02	85.54	98.02	89.29	85.64	74.75	74.42	88.71	89.92	82.68	81.15	90.8	84.49	97.43	86.22	86.5	88.2	93.55	80.06	84.6	91.39	94.45	90.75	90.86	84.63

F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18	F19	F20	F21	F22	F23	F24	F25	F26	F27	F28	F29	F30	F31	F32
82.32	82.88	94.26	74.29	86.18	67.87	88.05	83.11	85.58	98.08	89.37	85.72	74.98	74.51	88.77	89.97	82.68	81.17	90.86	84.52	97.54	86.25	86.56	88.27	93.65	80.15	84.68	91.4	94.53	90.78	90.88	84.71
82.41	82.89	94.27	74.31	86.32	68.03	88.06	83.2	85.62	98.14	89.45	85.8	75.21	74.61	88.83	90.03	82.69	81.18	90.92	84.56	97.66	86.28	86.62	88.33	93.75	80.25	84.75	91.42	94.6	90.81	90.91	84.79
81.52	82.92	94.22	74.29	84.98	66.54	88.01	82.3	85.27	97.73	88.68	85.07	72.97	73.78	88.27	89.59	82.68	81.06	90.35	84.26	96.66	86.2	86.01	87.72	92.75	79.39	84.13	91.31	93.97	90.52	90.67	84.04
81.55	82.98	94.28	74.43	85.02	66.58	88.03	82.31	85.3	97.91	88.71	85.13	72.99	73.91	88.29	89.68	82.71	81.07	90.39	84.27	96.82	86.41	86.03	87.75	92.75	79.48	84.26	91.37	94.08	90.53	90.69	84.09
81.57	83.05	94.35	74.57	85.05	66.63	88.04	82.31	85.32	98.08	88.73	85.2	73.01	74.05	88.31	89.78	82.74	81.08	90.44	84.29	96.98	86.61	86.04	87.77	92.75	79.57	84.39	91.42	94.2	90.55	90.72	84.13
81.59	83.11	94.41	74.71	85.09	66.67	88.06	82.32	85.34	98.26	88.76	85.26	73.03	74.18	88.32	89.87	82.77	81.1	90.48	84.3	97.13	86.81	86.05	87.79	92.76	79.66	84.52	91.48	94.32	90.56	90.74	84.18
81.61	83.18	94.48	74.85	85.12	66.71	88.07	82.32	85.36	98.44	88.79	85.33	73.05	74.31	88.34	89.96	82.81	81.11	90.53	84.31	97.29	87.01	86.06	87.82	92.76	79.75	84.65	91.54	94.43	90.58	90.76	84.22
81.64	83.25	94.54	74.99	85.16	66.75	88.08	82.33	85.39	98.62	88.82	85.39	73.07	74.44	88.36	90.05	82.84	81.12	90.57	84.32	97.45	87.22	86.08	87.84	92.76	79.83	84.78	91.6	94.55	90.59	90.78	84.26
81.66	83.31	94.61	75.13	85.19	66.79	88.1	82.33	85.41	98.79	88.84	85.46	73.09	74.57	88.38	90.14	82.87	81.13	90.62	84.33	97.61	87.42	86.09	87.86	92.76	79.92	84.91	91.66	94.67	90.61	90.8	84.31
81.68	83.38	94.67	75.27	85.23	66.84	88.11	82.34	85.43	98.97	88.87	85.52	73.11	74.71	88.4	90.24	82.9	81.14	90.67	84.35	97.77	87.62	86.1	87.88	92.76	80.01	85.04	91.71	94.78	90.62	90.82	84.35
81.7	83.44	94.74	75.41	85.26	66.88	88.13	82.34	85.45	99.15	88.9	85.59	73.13	74.84	88.42	90.33	82.93	81.15	90.71	84.36	97.93	87.82	86.11	87.91	92.76	80.1	85.17	91.77	94.9	90.64	90.85	84.4
81.73	83.51	94.8	75.55	85.3	66.92	88.14	82.35	85.48	99.33	88.93	85.65	73.15	74.97	88.44	90.42	82.96	81.17	90.76	84.37	98.09	88.03	86.13	87.93	92.77	80.19	85.3	91.83	95.02	90.65	90.87	84.44
81.6	82.92	94.21	74.16	85.1	66.75	88	82.4	85.27	97.56	88.68	85.02	73.18	73.68	88.31	89.55	82.73	81.15	90.34	84.33	96.54	86.04	86.01	87.75	92.79	79.37	84.01	91.32	93.87	90.51	90.69	84.02
81.7	82.99	94.27	74.17	85.25	66.99	88	82.5	85.28	97.57	88.7	85.04	73.41	73.71	88.36	89.61	82.8	81.26	90.38	84.42	96.57	86.07	86.03	87.79	92.83	79.45	84.02	91.38	93.89	90.53	90.74	84.03
81.79	83.06	94.33	74.17	85.4	67.24	88.01	82.61	85.3	97.57	88.73	85.06	73.63	73.74	88.42	89.66	82.88	81.36	90.41	84.5	96.61	86.11	86.04	87.84	92.86	79.52	84.02	91.45	93.91	90.54	90.78	84.05
81.89	83.13	94.38	74.18	85.55	67.48	88.01	82.71	85.31	97.58	88.76	85.08	73.86	73.76	88.47	89.71	82.96	81.46	90.45	84.58	96.64	86.14	86.05	87.88	92.9	79.59	84.03	91.51	93.93	90.55	90.83	84.06
81.99	83.2	94.44	74.19	85.7	67.73	88.01	82.81	85.33	97.59	88.79	85.1	74.09	73.79	88.53	89.76	83.03	81.56	90.49	84.66	96.68	86.18	86.06	87.93	92.94	79.67	84.04	91.58	93.95	90.56	90.87	84.08
82.09	83.27	94.5	74.2	85.85	67.97	88.01	82.91	85.34	97.6	88.81	85.12	74.32	73.82	88.58	89.82	83.11	81.67	90.53	84.75	96.71	86.21	86.08	87.97	92.98	79.74	84.05	91.64	93.97	90.58	90.92	84.09
82.19	83.34	94.56	74.21	86	68.22	88.01	83.01	85.36	97.6	88.84	85.14	74.55	73.85	88.64	89.87	83.19	81.77	90.56	84.83	96.75	86.25	86.09	88.02	93.01	79.81	84.05	91.71	93.99	90.59	90.96	84.11
82.28	83.41	94.62	74.21	86.15	68.46	88.02	83.12	85.37	97.61	88.87	85.16	74.77	73.88	88.69	89.92	83.26	81.87	90.6	84.91	96.78	86.28	86.1	88.06	93.05	79.88	84.06	91.77	94.01	90.6	91	84.12
82.38	83.48	94.68	74.22	86.3	68.71	88.02	83.22	85.39	97.62	88.89	85.18	75	73.91	88.75	89.97	83.34	81.97	90.64	84.99	96.82	86.32	86.11	88.11	93.09	79.96	84.07	91.84	94.03	90.61	91.05	84.14
82.48	83.55	94.74	74.23	86.46	68.95	88.02	83.32	85.4	97.63	88.92	85.2	75.23	73.94	88.8	90.03	83.42	82.08	90.68	85.08	96.85	86.35	86.13	88.16	93.13	80.03	84.08	91.9	94.05	90.63	91.09	84.15
81.51	82.93	94.15	74.16	84.99	66.61	88.05	82.37	85.29	97.71	88.69	85.07	73.04	73.7	88.25	89.55	82.68	81.13	90.45	84.3	96.58	86.04	86.02	87.73	92.88	79.36	84	91.26	93.97	90.55	90.88	84.05
81.52	83.01	94.16	74.16	85.02	66.72	88.1	82.44	85.33	97.88	88.73	85.13	73.13	73.75	88.25	89.61	82.72	81.22	90.61	84.35	96.66	86.08	86.04	87.76	93.02	79.41	84.01	91.27	94.1	90.59	91.12	84.1
81.52	83.09	94.16	74.17	85.06	66.84	88.15	82.51	85.37	98.04	88.77	85.2	73.21	73.79	88.25	89.66	82.75	81.3	90.76	84.39	96.74	86.12	86.06	87.79	93.15	79.47	84.01	91.28	94.22	90.64	91.35	84.15
81.53	83.17	94.16	74.17	85.09	66.95	88.2	82.59	85.42	98.21	88.81	85.26	73.3	73.84	88.25	89.72	82.78	81.39	90.91	84.44	96.82	86.16	86.08	87.83	93.28	79.53	84.01	91.3	94.34	90.68	91.59	84.2
81.54	83.25	94.16	74.18	85.13	67.06	88.25	82.66	85.46	98.37	88.85	85.33	73.39	73.89	88.25	89.77	82.82	81.47	91.07	84.49	96.9	86.2	86.1	87.86	93.42	79.58	84.01	91.31	94.47	90.73	91.82	84.25
81.55	83.32	94.17	74.18	85.16	67.17	88.29	82.73	85.5	98.53	88.88	85.39	73.48	73.94	88.25	89.83	82.85	81.55	91.22	84.54	96.98	86.24	86.12	87.89	93.55	79.64	84.02	91.32	94.59	90.78	92.05	84.3
81.56	83.4	94.17	74.19	85.2	67.28	88.34	82.8	85.54	98.7	88.92	85.46	73.57	73.99	88.25	89.88	82.88	81.64	91.37	84.58	97.06	86.28	86.14	87.92	93.68	79.7	84.02	91.33	94.71	90.82	92.29	84.35
81.56	83.48	94.17	74.19	85.23	67.4	88.39	82.87	85.58	98.86	88.96	85.52	73.65	74.03	88.25	89.94	82.92	81.72	91.53	84.63	97.14	86.32	86.16	87.95	93.81	79.75	84.02	91.34	94.84	90.87	92.52	84.4

F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18	F19	F20	F21	F22	F23	F24	F25	F26	F27	F28	F29	F30	F31	F32
81.57	83.56	94.17	74.2	85.27	67.51	88.44	82.94	85.62	99.03	89	85.59	73.74	74.08	88.25	89.99	82.95	81.81	91.68	84.68	97.22	86.36	86.18	87.98	93.95	79.81	84.02	91.35	94.96	90.91	92.76	84.45
81.58	83.64	94.18	74.21	85.31	67.62	88.49	83.02	85.67	99.19	89.04	85.65	73.83	74.13	88.26	90.05	82.99	81.89	91.84	84.73	97.3	86.4	86.2	88.02	94.08	79.87	84.03	91.37	95.09	90.96	92.99	84.51
81.63	82.89	94.18	74.16	84.98	66.54	88.02	82.38	85.31	97.67	88.66	85.07	73.18	73.79	88.26	89.53	82.72	81.08	90.4	84.33	96.66	86.02	86.04	87.74	92.81	79.46	84.08	91.25	93.88	90.54	90.66	84.03
81.76	82.93	94.2	74.17	85	66.57	88.04	82.46	85.36	97.79	88.68	85.13	73.41	73.94	88.27	89.57	82.79	81.12	90.51	84.42	96.83	86.03	86.09	87.77	92.88	79.62	84.15	91.26	93.92	90.59	90.67	84.07
81.88	82.97	94.23	74.18	85.03	66.61	88.06	82.54	85.42	97.91	88.69	85.2	73.64	74.08	88.28	89.6	82.86	81.15	90.61	84.5	96.99	86.05	86.13	87.81	92.94	79.78	84.23	91.26	93.95	90.63	90.68	84.1
82.01	83.01	94.25	74.19	85.06	66.64	88.07	82.62	85.47	98.03	88.71	85.26	73.87	74.22	88.29	89.63	82.93	81.18	90.71	84.58	97.15	86.06	86.18	87.84	93	79.94	84.31	91.26	93.99	90.67	90.68	84.14
82.14	83.06	94.28	74.2	85.09	66.68	88.09	82.7	85.53	98.15	88.72	85.33	74.1	74.36	88.31	89.67	83	81.22	90.82	84.66	97.32	86.08	86.22	87.88	93.06	80.1	84.39	91.26	94.02	90.72	90.69	84.17
82.27	83.1	94.31	74.21	85.11	66.71	88.11	82.77	85.58	98.27	88.74	85.39	74.33	74.51	88.32	89.7	83.07	81.25	90.92	84.75	97.48	86.09	86.27	87.91	93.13	80.26	84.46	91.27	94.05	90.76	90.7	84.21
82.39	83.14	94.33	74.22	85.14	66.75	88.13	82.85	85.64	98.39	88.75	85.46	74.56	74.65	88.33	89.73	83.14	81.28	91.02	84.83	97.64	86.11	86.31	87.95	93.19	80.42	84.54	91.27	94.09	90.8	90.71	84.24
82.52	83.18	94.36	74.23	85.17	66.78	88.15	82.93	85.69	98.51	88.77	85.52	74.79	74.79	88.34	89.76	83.21	81.31	91.13	84.91	97.8	86.12	86.36	87.98	93.25	80.58	84.62	91.27	94.12	90.84	90.72	84.28
82.65	83.22	94.38	74.24	85.19	66.82	88.17	83.01	85.75	98.63	88.78	85.59	75.02	74.93	88.35	89.8	83.28	81.35	91.23	84.99	97.97	86.14	86.4	88.02	93.31	80.74	84.69	91.27	94.16	90.89	90.73	84.31
82.78	83.26	94.41	74.25	85.22	66.85	88.19	83.09	85.8	98.75	88.8	85.65	75.26	75.08	88.36	89.83	83.36	81.38	91.34	85.08	98.13	86.16	86.45	88.06	93.38	80.9	84.77	91.28	94.19	90.93	90.74	84.35
81.51	82.97	94.19	74.2	85.01	66.62	88.01	82.36	85.3	97.75	88.66	85.07	72.97	73.88	88.38	89.58	82.71	81.18	90.37	84.28	96.61	86.03	86.01	87.73	92.81	79.38	84.04	91.27	93.86	90.51	90.67	84.04
81.52	83.08	94.23	74.24	85.07	66.74	88.01	82.42	85.35	97.96	88.67	85.14	72.99	74.11	88.52	89.66	82.77	81.31	90.44	84.31	96.72	86.06	86.03	87.77	92.86	79.46	84.07	91.3	93.87	90.51	90.69	84.08
81.53	83.2	94.27	74.29	85.13	66.86	88.02	82.48	85.4	98.16	88.68	85.22	73.01	74.33	88.65	89.74	82.82	81.44	90.51	84.34	96.83	86.09	86.04	87.8	92.92	79.55	84.11	91.32	93.89	90.52	90.72	84.11
81.54	83.32	94.31	74.33	85.19	66.98	88.02	82.54	85.45	98.37	88.69	85.29	73.03	74.56	88.78	89.81	82.88	81.57	90.58	84.37	96.95	86.12	86.05	87.83	92.97	79.63	84.14	91.34	93.9	90.53	90.74	84.15
81.56	83.44	94.35	74.38	85.25	67.1	88.03	82.61	85.5	98.57	88.7	85.36	73.05	74.79	88.91	89.89	82.94	81.71	90.65	84.4	97.06	86.15	86.06	87.87	93.03	79.71	84.18	91.36	93.91	90.54	90.76	84.19
81.57	83.55	94.39	74.42	85.31	67.22	88.03	82.67	85.55	98.77	88.71	85.43	73.07	75.02	89.05	89.97	83	81.84	90.71	84.43	97.17	86.18	86.08	87.9	93.08	79.79	84.21	91.39	93.92	90.54	90.78	84.23
81.58	83.67	94.43	74.47	85.37	67.34	88.04	82.73	85.6	98.98	88.72	85.5	73.09	75.24	89.18	90.05	83.06	81.97	90.78	84.46	97.28	86.21	86.09	87.93	93.14	79.87	84.25	91.41	93.93	90.55	90.8	84.27
81.59	83.79	94.47	74.51	85.43	67.46	88.04	82.79	85.65	99.18	88.73	85.58	73.11	75.47	89.31	90.13	83.11	82.1	90.85	84.49	97.39	86.24	86.1	87.96	93.19	79.96	84.28	91.43	93.95	90.56	90.82	84.3
81.6	83.9	94.51	74.56	85.49	67.58	88.05	82.85	85.7	99.39	88.74	85.65	73.13	75.7	89.44	90.21	83.17	82.23	90.92	84.52	97.5	86.27	86.11	88	93.25	80.04	84.32	91.45	93.96	90.56	90.85	84.34
81.61	84.02	94.55	74.6	85.55	67.7	88.05	82.91	85.75	99.59	88.75	85.72	73.16	75.93	89.58	90.29	83.23	82.36	90.99	84.55	97.62	86.3	86.13	88.03	93.3	80.12	84.35	91.48	93.97	90.57	90.87	84.38
81.57	82.92	94.16	74.16	84.96	66.64	88.02	82.33	85.26	97.62	88.74	85.04	73.05	73.76	88.31	89.52	82.66	81.09	90.42	84.39	96.66	86.01	86.03	87.74	92.89	79.39	84.05	91.34	94.03	90.52	90.76	84.06
81.64	82.98	94.17	74.17	84.97	66.79	88.03	82.37	85.27	97.68	88.83	85.08	73.14	73.88	88.37	89.55	82.67	81.13	90.53	84.52	96.83	86.02	86.06	87.79	93.03	79.48	84.09	91.43	94.2	90.54	90.88	84.11
81.71	83.05	94.18	74.18	84.99	66.93	88.05	82.4	85.28	97.75	88.92	85.11	73.24	73.99	88.42	89.57	82.68	81.17	90.65	84.66	96.99	86.02	86.09	87.83	93.17	79.57	84.14	91.52	94.38	90.56	90.99	84.17
81.78	83.12	94.19	74.19	85	67.07	88.07	82.44	85.3	97.82	89	85.15	73.33	74.1	88.48	89.6	82.69	81.21	90.77	84.79	97.16	86.03	86.12	87.87	93.31	79.66	84.18	91.61	94.56	90.58	91.11	84.23
81.85	83.19	94.2	74.2	85.01	67.21	88.08	82.47	85.31	97.88	89.09	85.19	73.43	74.22	88.54	89.62	82.7	81.25	90.89	84.93	97.32	86.04	86.15	87.92	93.46	79.75	84.23	91.7	94.74	90.61	91.22	84.28
81.92	83.25	94.2	74.21	85.02	67.36	88.1	82.51	85.32	97.95	89.18	85.23	73.52	74.33	88.6	89.64	82.71	81.29	91	85.06	97.49	86.05	86.17	87.96	93.6	79.84	84.27	91.79	94.91	90.63	91.34	84.34
81.99	83.32	94.21	74.21	85.03	67.5	88.12	82.54	85.33	98.02	89.27	85.26	73.62	74.44	88.65	89.67	82.72	81.33	91.12	85.2	97.65	86.05	86.2	88	93.74	79.93	84.32	91.88	95.09	90.65	91.45	84.4
82.06	83.39	94.22	74.22	85.05	67.64	88.13	82.58	85.34	98.08	89.36	85.3	73.71	74.56	88.71	89.69	82.73	81.37	91.24	85.33	97.82	86.06	86.23	88.04	93.88	80.02	84.36	91.97	95.27	90.67	91.57	84.45

F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18	F19	F20	F21	F22	F23	F24	F25	F26	F27	F28	F29	F30	F31	F32
82.13	83.45	94.23	74.23	85.06	67.78	88.15	82.61	85.35	98.15	89.45	85.34	73.81	74.67	88.77	89.72	82.74	81.41	91.36	85.47	97.98	86.07	86.26	88.09	94.02	80.11	84.41	92.06	95.44	90.69	91.68	84.51
82.2	83.52	94.24	74.24	85.07	67.93	88.17	82.65	85.37	98.22	89.54	85.38	73.91	74.79	88.83	89.74	82.76	81.45	91.47	85.61	98.15	86.08	86.29	88.13	94.16	80.2	84.45	92.15	95.62	90.71	91.79	84.57
81.52	82.86	94.16	74.18	85.01	66.61	88.02	82.31	85.28	97.73	88.7	85.03	73.15	73.88	88.32	89.53	82.68	81.08	90.35	84.34	96.64	86.01	86.08	87.72	92.88	79.33	84.02	91.28	93.91	90.57	90.66	84.06
81.53	82.88	94.16	74.21	85.08	66.72	88.05	82.32	85.3	97.91	88.75	85.07	73.35	74.11	88.4	89.55	82.71	81.11	90.39	84.44	96.77	86.03	86.15	87.74	93	79.36	84.04	91.31	93.96	90.65	90.67	84.11
81.55	82.89	94.17	74.24	85.14	66.83	88.07	82.32	85.33	98.09	88.8	85.1	73.55	74.34	88.47	89.58	82.74	81.14	90.44	84.53	96.91	86.04	86.23	87.77	93.13	79.38	84.06	91.33	94.02	90.72	90.69	84.17
81.56	82.91	94.17	74.27	85.2	66.95	88.1	82.33	85.35	98.28	88.85	85.13	73.75	74.57	88.54	89.61	82.78	81.17	90.49	84.63	97.04	86.05	86.3	87.79	93.26	79.41	84.08	91.36	94.07	90.79	90.7	84.22
81.58	82.92	94.18	74.3	85.26	67.06	88.12	82.34	85.38	98.46	88.9	85.16	73.95	74.8	88.61	89.64	82.81	81.2	90.53	84.72	97.18	86.06	86.38	87.81	93.39	79.44	84.1	91.39	94.13	90.87	90.71	84.28



Lampiran 7 Perhitungan Euclidean Dsistance untuk kelas Enterprise Systems

Proses Perhitungan Data Euclidean Distance ke-1

$$\begin{aligned} \text{(d)} &= \text{SQRT}((70.9-73.65)^2+(77.95-77.55)^2+(93.25-73.9)^2+(67.77- \\ &63.18)^2+(67.35-69.5)^2+(59.2-51.65)^2+(86-85.6)^2+(64.95- \\ &55.5)^2+(80.7-79.75)^2+(75.75-74.5)^2+(80.55-68.15)^2+(77.3- \\ &77.45)^2+(60.3-50.65)^2+(73.1-81.65)^2+(88.25-67.35)^2+(83.6- \\ &85.4)^2+(77.9-76.1)^2+(70.5-85.75)^2+(77.95-76.6)^2+(84.4- \\ &92.75)^2+(75.45-62.75)^2+(73.1-78.95)^2+(90.15-82.7)^2+(79.95- \\ &77.5)^2+(92.9-77.65)^2+(88.2-85.2)^2+(83.6-89.65)^2+(91.5- \\ &77.95)^2+(76.7-64)^2+(81.4-58.2)^2+(79.95-77.75)^2+(74.75-84.25)^2) \\ &= 56.01 \end{aligned}$$

Proses Perhitungan Data Euclidean Distance ke-2

$$\begin{aligned} \text{(d)} &= \text{SQRT}((70.08-73.65)^2+(81.3-77.55)^2+(74.3-73.9)^2+(54.15- \\ &63.18)^2+(80.8-69.5)^2+(74.55-51.65)^2+(75.75-85.6)^2+(80- \\ &55.5)^2+(87.15-79.75)^2+(84.7-74.5)^2+(71.9-68.15)^2+(84.25- \\ &77.45)^2+(84.4-50.65)^2+(87.7-81.65)^2+(67.85-67.35)^2+(84.4- \\ &85.4)^2+(80.4-76.1)^2+(78.35-85.75)^2+(64.75-76.6)^2+(86- \\ &92.75)^2+(71.6-62.75)^2+(84.8-78.95)^2+(82.75-82.7)^2+(83.7- \\ &77.5)^2+(83.4-77.65)^2+(82-85.2)^2+(74.2-89.65)^2+(82.35- \\ &77.95)^2+(70.4-64)^2+(65.7-58.2)^2+(66.4-77.75)^2+(81.25-84.25)^2) \\ &= 61.65 \end{aligned}$$

Proses Perhitungan Data Euclidean Distance ke-3

$$\begin{aligned} \text{(d)} &= \text{SQRT}((78.65-73.65)^2+(86.85-77.55)^2+(72.85-73.9)^2+(76.84- \\ &63.18)^2+(68.25-69.5)^2+(60.45-51.65)^2+(86.75-85.6)^2+(63.85- \\ &55.5)^2+(83.6-79.75)^2+(61.95-74.5)^2+(76.35-68.15)^2+(80.65- \\ &77.45)^2+(86-50.65)^2+(86.05-81.65)^2+(90-67.35)^2+(76.4- \\ &85.4)^2+(81.45-76.1)^2+(78.6-85.75)^2+(76.95-76.6)^2+(72.65- \\ &92.75)^2+(71.25-62.75)^2+(83.45-78.95)^2+(81.25-82.7)^2+(78.95- \\ &77.5)^2+(78.7-77.65)^2+(76.35-85.2)^2+(87-89.65)^2+(73- \\ &77.95)^2+(63.25-64)^2+(80.95-58.2)^2+(75.5-77.75)^2+(76.5-84.25)^2) \\ &= 61.94 \end{aligned}$$

Proses Perhitungan Data Euclidean Distance ke-4

$$\begin{aligned} \text{(d)} &= \text{SQRT}((77-73.65)^2+(83.95-77.55)^2+(82.2-73.9)^2+(73.68- \\ &63.18)^2+(83.95-69.5)^2+(59.95-51.65)^2+(86.5-85.6)^2+(80.9- \\ &55.5)^2+(82.3-79.75)^2+(84.45-74.5)^2+(86.2-68.15)^2+(91.5- \\ &77.45)^2+(64.15-50.65)^2+(92.7-81.65)^2+(68.9-67.35)^2+(77.5- \\ &85.4)^2+(79.25-76.1)^2+(88.45-85.75)^2+(70.69-76.6)^2+(84.45- \end{aligned}$$

$$92.75)^2+(83.25-62.75)^2+(77.3-78.95)^2+(84.45-82.7)^2+(84.8-77.5)^2+(80.2-77.65)^2+(80.75-85.2)^2+(97-89.65)^2+(81.55-77.95)^2+(77.46-64)^2+(88.4-58.2)^2+(80.7-77.75)^2+(80.5-84.25)^2)$$

$$= 62.95$$

Proses Perhitungan Data Euclidean Distance ke-5

$$(d) = \text{SQRT}((79.05-73.65)^2+(91.1-77.55)^2+(85-73.9)^2+(71.08-63.18)^2+(89.05-69.5)^2+(60.2-51.65)^2+(85.75-85.6)^2+(65.8-55.5)^2+(86-79.75)^2+(63.5-74.5)^2+(90.35-68.15)^2+(87.6-77.45)^2+(68.45-50.65)^2+(89.05-81.65)^2+(72.45-67.35)^2+(79.85-85.4)^2+(70.7-76.1)^2+(82.8-85.75)^2+(78.25-76.6)^2+(82.5-92.75)^2+(81.05-62.75)^2+(90.95-78.95)^2+(91.2-82.7)^2+(92.8-77.5)^2+(72.55-77.65)^2+(91.5-85.2)^2+(85.75-89.65)^2+(95.3-77.95)^2+(77.5-64)^2+(74.75-58.2)^2+(80.13-77.75)^2+(76.95-84.25)^2)$$

$$= 63.02$$

Proses Perhitungan Data Euclidean Distance ke-6

$$(d) = \text{SQRT}((82.5-73.65)^2+(63-77.55)^2+(87.75-73.9)^2+(83.85-63.18)^2+(74.9-69.5)^2+(73.5-51.65)^2+(87.7-85.6)^2+(70.5-55.5)^2+(88.5-79.75)^2+(71.95-74.5)^2+(74.85-68.15)^2+(77.5-77.45)^2+(74.25-50.65)^2+(81.75-81.65)^2+(66-67.35)^2+(76.6-85.4)^2+(82.85-76.1)^2+(82.55-85.75)^2+(72.25-76.6)^2+(80.9-92.75)^2+(74.95-62.75)^2+(89-78.95)^2+(86.7-82.7)^2+(87.3-77.5)^2+(78.25-77.65)^2+(88.5-85.2)^2+(94.45-89.65)^2+(85.5-77.95)^2+(71.45-64)^2+(87.25-58.2)^2+(86.33-77.75)^2+(86.5-84.25)^2)$$

$$= 63.68$$

Proses Perhitungan Data Euclidean Distance ke-7

$$(d) = \text{SQRT}((81.7-73.65)^2+(84.25-77.55)^2+(80.75-73.9)^2+(87.3-63.18)^2+(86.95-69.5)^2+(60.65-51.65)^2+(83.25-85.6)^2+(82.5-55.5)^2+(76.8-79.75)^2+(74.95-74.5)^2+(85.15-68.15)^2+(90.8-77.45)^2+(68.35-50.65)^2+(84.3-81.65)^2+(65.1-67.35)^2+(75.75-85.4)^2+(76.55-76.1)^2+(84.9-85.75)^2+(85.25-76.6)^2+(90.45-92.75)^2+(81.2-62.75)^2+(82.25-78.95)^2+(80.7-82.7)^2+(73.9-77.5)^2+(70.95-77.65)^2+(86.9-85.2)^2+(87.25-89.65)^2+(85.5-77.95)^2+(68.95-64)^2+(84.65-58.2)^2+(69.19-77.75)^2+(75.95-84.25)^2)$$

$$= 64.65$$

Proses Perhitungan Data Euclidean Distance ke-8

$$(d) = \text{SQRT}((82.5-73.65)^2+(84.9-77.55)^2+(72-73.9)^2+(66.55-63.18)^2+(77-69.5)^2+(87.1-51.65)^2+(79.85-85.6)^2+(79.15-55.5)^2+(77.75-79.75)^2+(78.35-74.5)^2+(78.75-68.15)^2+(83.75-77.45)^2+(59.4-$$

$$50.65)^2+(78.85-81.65)^2+(74.95-67.35)^2+(85.2-85.4)^2+(67.95-76.1)^2+(80.45-85.75)^2+(77.9-76.6)^2+(81.95-92.75)^2+(67.75-62.75)^2+(75.45-78.95)^2+(89.25-82.7)^2+(86.55-77.5)^2+(81-77.65)^2+(84.5-85.2)^2+(79-89.65)^2+(89.25-77.95)^2+(74.75-64)^2+(92.6-58.2)^2+(76.25-77.75)^2+(81.95-84.25)^2$$

$$= 65.57$$

Proses Perhitungan Data Euclidean Distance ke-9

$$(d) = \text{SQRT}((74.65-73.65)^2+(74.85-77.55)^2+(87.75-73.9)^2+(61.45-63.18)^2+(62.25-69.5)^2+(53.4-51.65)^2+(79.65-85.6)^2+(64.55-55.5)^2+(86.45-79.75)^2+(82.4-74.5)^2+(91.7-68.15)^2+(81.45-77.45)^2+(81.25-50.65)^2+(73.4-81.65)^2+(82.25-67.35)^2+(88.3-85.4)^2+(82.85-76.1)^2+(80-85.75)^2+(66.4-76.6)^2+(78.55-92.75)^2+(81.25-62.75)^2+(90.95-78.95)^2+(81.3-82.7)^2+(76.8-77.5)^2+(72.7-77.65)^2+(86.4-85.2)^2+(85.5-89.65)^2+(90.9-77.95)^2+(72.65-64)^2+(84.85-58.2)^2+(89.82-77.75)^2+(90.15-84.25)^2)$$

$$= 65.86$$

Proses Perhitungan Data Euclidean Distance ke-10

$$(d) = \text{SQRT}((79.95-73.65)^2+(60.25-77.55)^2+(81.65-73.9)^2+(54.79-63.18)^2+(72-69.5)^2+(59.25-51.65)^2+(81.1-85.6)^2+(78-55.5)^2+(93.5-79.75)^2+(71.6-74.5)^2+(91.1-68.15)^2+(76.3-77.45)^2+(70.5-50.65)^2+(76.45-81.65)^2+(80.75-67.35)^2+(76.75-85.4)^2+(82.45-76.1)^2+(77-85.75)^2+(67.85-76.6)^2+(80.75-92.75)^2+(73.2-62.75)^2+(96.5-78.95)^2+(66.23-82.7)^2+(77.75-77.5)^2+(78.5-77.65)^2+(86.35-85.2)^2+(83-89.65)^2+(78.35-77.95)^2+(71.2-64)^2+(80.5-58.2)^2+(63.19-77.75)^2+(75.5-84.25)^2)$$

$$= 66.11$$

Proses Perhitungan Data Euclidean Distance ke-11

$$(d) = \text{SQRT}((89.95-73.65)^2+(66.25-77.55)^2+(87.7-73.9)^2+(73.8-63.18)^2+(83.4-69.5)^2+(57-51.65)^2+(82.85-85.6)^2+(70.35-55.5)^2+(87.35-79.75)^2+(67.55-74.5)^2+(90.8-68.15)^2+(87.6-77.45)^2+(77.95-50.65)^2+(84.95-81.65)^2+(67.45-67.35)^2+(79.35-85.4)^2+(79.5-76.1)^2+(81.3-85.75)^2+(74.6-76.6)^2+(91.2-92.75)^2+(78.2-62.75)^2+(86.75-78.95)^2+(87.05-82.7)^2+(84.38-77.5)^2+(82.2-77.65)^2+(85-85.2)^2+(80-89.65)^2+(93.3-77.95)^2+(75.5-64)^2+(85.75-58.2)^2+(86.65-77.75)^2+(85.9-84.25)^2)$$

$$= 66.24$$

Proses Perhitungan Data Euclidean Distance ke-12

$$(d) = \text{SQRT}((81.1-73.65)^2+(62.3-77.55)^2+(89.7-73.9)^2+(72-63.18)^2+(80-69.5)^2+(59.25-51.65)^2+(83.75-85.6)^2+(68.05-55.5)^2+(90.25-79.75)^2+(75.05-74.5)^2+(86.25-68.15)^2+(90.45-77.45)^2+(72.75-50.65)^2+(93.2-81.65)^2+(72.2-67.35)^2+(77.45-85.4)^2+(86.7-76.1)^2+(80.75-85.75)^2+(75.25-76.6)^2+(71.55-92.75)^2+(77.85-62.75)^2+(85.5-78.95)^2+(84.25-82.7)^2+(89.75-77.5)^2+(78.25-77.65)^2+(90.25-85.2)^2+(83.15-89.65)^2+(89-77.95)^2+(80.21-64)^2+(83.05-58.2)^2+(88.67-77.75)^2+(80.75-84.25)^2)$$

$$= 66.89$$

Proses Perhitungan Data Euclidean Distance ke-13

$$(d) = \text{SQRT}((90.25-73.65)^2+(79.95-77.55)^2+(86-73.9)^2+(78.4-63.18)^2+(80.5-69.5)^2+(72.5-51.65)^2+(84.75-85.6)^2+(81.75-55.5)^2+(82.9-79.75)^2+(87.95-74.5)^2+(68.85-68.15)^2+(85.05-77.45)^2+(82.65-50.65)^2+(82-81.65)^2+(82.6-67.35)^2+(88.55-85.4)^2+(84.85-76.1)^2+(79.25-85.75)^2+(79.4-76.6)^2+(87-92.75)^2+(80.3-62.75)^2+(80.2-78.95)^2+(78-82.7)^2+(80.9-77.5)^2+(79.95-77.65)^2+(85.6-85.2)^2+(78.1-89.65)^2+(82.7-77.95)^2+(72.35-64)^2+(79.45-58.2)^2+(70-77.75)^2+(81.15-84.25)^2)$$

$$= 68.38$$

Proses Perhitungan Data Euclidean Distance ke-14

$$(d) = \text{SQRT}((82.5-73.65)^2+(59.35-77.55)^2+(91.05-73.9)^2+(70.75-63.18)^2+(77-69.5)^2+(69.75-51.65)^2+(83.05-85.6)^2+(70.25-55.5)^2+(88.5-79.75)^2+(75.35-74.5)^2+(87.75-68.15)^2+(92.2-77.45)^2+(69.45-50.65)^2+(95.2-81.65)^2+(64.95-67.35)^2+(79-85.4)^2+(84.25-76.1)^2+(82.7-85.75)^2+(81.1-76.6)^2+(74.55-92.75)^2+(78.9-62.75)^2+(79-78.95)^2+(82-82.7)^2+(83.5-77.5)^2+(91.95-77.65)^2+(76.25-85.2)^2+(82.75-89.65)^2+(82.65-77.95)^2+(78.4-64)^2+(86.75-58.2)^2+(82.96-77.75)^2+(81.35-84.25)^2)$$

$$= 69.05$$

Proses Perhitungan Data Euclidean Distance ke-15

$$(d) = \text{SQRT}((82.3-73.65)^2+(79.2-77.55)^2+(86.3-73.9)^2+(80.4-63.18)^2+(83-69.5)^2+(68.75-51.65)^2+(84.5-85.6)^2+(79.45-55.5)^2+(83.25-79.75)^2+(71.35-74.5)^2+(82.7-68.15)^2+(92.2-77.45)^2+(75.5-50.65)^2+(90-81.65)^2+(70-67.35)^2+(77.7-85.4)^2+(87.75-76.1)^2+(82.35-85.75)^2+(71.95-76.6)^2+(80.2-92.75)^2+(85.4-62.75)^2+(93.25-78.95)^2+(88.75-82.7)^2+(87.3-77.5)^2+(80.2-77.65)^2+(90.25-85.2)^2+(94.45-89.65)^2+(85.5-77.95)^2+(80.85-64)^2+(76.65-58.2)^2+(86.58-77.75)^2+(82.75-84.25)^2)$$

$$= 69.10$$

Proses Perhitungan Data Euclidean Distance ke-16

$$\begin{aligned} \text{(d)} &= \text{SQRT}((82.1-73.65)^2+(65-77.55)^2+(82.65-73.9)^2+(76.02- \\ &63.18)^2+(81.3-69.5)^2+(54.9-51.65)^2+(88.3-85.6)^2+(63.8- \\ &55.5)^2+(84.9-79.75)^2+(68.7-74.5)^2+(90.6-68.15)^2+(87.25- \\ &77.45)^2+(67.95-50.65)^2+(93.1-81.65)^2+(63.25-67.35)^2+(77.45- \\ &85.4)^2+(71.85-76.1)^2+(83.25-85.75)^2+(68.65-76.6)^2+(80.95- \\ &92.75)^2+(77.75-62.75)^2+(89.2-78.95)^2+(94-82.7)^2+(84.8- \\ &77.5)^2+(76.2-77.65)^2+(61.08-85.2)^2+(88.25-89.65)^2+(91.05- \\ &77.95)^2+(76.85-64)^2+(91.5-58.2)^2+(77.83-77.75)^2+(70.85-84.25)^2) \\ &= 69.40 \end{aligned}$$

Proses Perhitungan Data Euclidean Distance ke-17

$$\begin{aligned} \text{(d)} &= \text{SQRT}((81-73.65)^2+(84.5-77.55)^2+(86.8-73.9)^2+(88.48- \\ &63.18)^2+(78.25-69.5)^2+(58-51.65)^2+(81.35-85.6)^2+(85- \\ &55.5)^2+(83.25-79.75)^2+(71.05-74.5)^2+(81.75-68.15)^2+(91.5- \\ &77.45)^2+(68-50.65)^2+(89.05-81.65)^2+(80.75-67.35)^2+(80.9- \\ &85.4)^2+(78.75-76.1)^2+(80.7-85.75)^2+(54.48-76.6)^2+(83.2- \\ &92.75)^2+(78.95-62.75)^2+(74.05-78.95)^2+(87.25-82.7)^2+(63.25- \\ &77.5)^2+(80.7-77.65)^2+(84.5-85.2)^2+(97-89.65)^2+(75.6- \\ &77.95)^2+(61.55-64)^2+(84.75-58.2)^2+(81.95-77.75)^2+(79.75-84.25)^2) \\ &= 69.41 \end{aligned}$$

Proses Perhitungan Data Euclidean Distance ke-18

$$\begin{aligned} \text{(d)} &= \text{SQRT}((81.25-73.65)^2+(75.75-77.55)^2+(85.3-73.9)^2+(72.7- \\ &63.18)^2+(52.4-69.5)^2+(59.5-51.65)^2+(88.2-85.6)^2+(72.5- \\ &55.5)^2+(79.65-79.75)^2+(84.25-74.5)^2+(80.75-68.15)^2+(83- \\ &77.45)^2+(81-50.65)^2+(79.9-81.65)^2+(87.25-67.35)^2+(82.45- \\ &85.4)^2+(87.2-76.1)^2+(79.75-85.75)^2+(82.25-76.6)^2+(78.25- \\ &92.75)^2+(81.6-62.75)^2+(84.7-78.95)^2+(82.95-82.7)^2+(82.45- \\ &77.5)^2+(82.25-77.65)^2+(91-85.2)^2+(88.45-89.65)^2+(91.5- \\ &77.95)^2+(83.1-64)^2+(87-58.2)^2+(76.17-77.75)^2+(78.05-84.25)^2) \\ &= 69.53 \end{aligned}$$

Proses Perhitungan Data Euclidean Distance ke-19

$$\begin{aligned} \text{(d)} &= \text{SQRT}((80.95-73.65)^2+(84.25-77.55)^2+(86.7-73.9)^2+(88.48- \\ &63.18)^2+(85.2-69.5)^2+(62.2-51.65)^2+(85.1-85.6)^2+(86.25- \\ &55.5)^2+(83.95-79.75)^2+(75.7-74.5)^2+(90.65-68.15)^2+(91.5- \\ &77.45)^2+(69.25-50.65)^2+(93.6-81.65)^2+(65.9-67.35)^2+(77.6- \\ &85.4)^2+(82.9-76.1)^2+(81.45-85.75)^2+(71.94-76.6)^2+(85.45- \\ &92.75)^2+(75.55-62.75)^2+(78.85-78.95)^2+(84.45-82.7)^2+(85.85- \\ &77.5)^2+(80.6-77.65)^2+(83.45-85.2)^2+(97-89.65)^2+(75.6- \\ &77.95)^2+(69.13-64)^2+(87.3-58.2)^2+(77.15-77.75)^2+(92-84.25)^2) \end{aligned}$$

$$= 69.72$$

Proses Perhitungan Data Euclidean Distance ke-20

$$(d) = \text{SQRT}((84.5-73.65)^2+(77.85-77.55)^2+(93.75-73.9)^2+(66.67-63.18)^2+(71.7-69.5)^2+(54.75-51.65)^2+(84.35-85.6)^2+(63.75-55.5)^2+(84.45-79.75)^2+(90.3-74.5)^2+(87.9-68.15)^2+(79.75-77.45)^2+(74.75-50.65)^2+(79.45-81.65)^2+(81.25-67.35)^2+(90.7-85.4)^2+(84.5-76.1)^2+(78.6-85.75)^2+(91.25-76.6)^2+(79.7-92.75)^2+(91.75-62.75)^2+(80.75-78.95)^2+(84.45-82.7)^2+(73.25-77.5)^2+(89.63-77.65)^2+(79.3-85.2)^2+(82.75-89.65)^2+(89.25-77.95)^2+(85.2-64)^2+(84.9-58.2)^2+(88.92-77.75)^2+(85.25-84.25)^2)$$

$$= 71.39$$

Proses Perhitungan Data Euclidean Distance ke-21

$$(d) = \text{SQRT}((78.25-73.65)^2+(72.25-77.55)^2+(81.7-73.9)^2+(65.15-63.18)^2+(58.3-69.5)^2+(78.2-51.65)^2+(83.7-85.6)^2+(78.85-55.5)^2+(84.35-79.75)^2+(72.5-74.5)^2+(90.15-68.15)^2+(71.9-77.45)^2+(82.3-50.65)^2+(78.65-81.65)^2+(74.5-67.35)^2+(86.4-85.4)^2+(72.1-76.1)^2+(73.9-85.75)^2+(79-76.6)^2+(77.5-92.75)^2+(79.5-62.75)^2+(72.3-78.95)^2+(76.6-82.7)^2+(82.75-77.5)^2+(79.2-77.65)^2+(81.75-85.2)^2+(88.5-89.65)^2+(69.2-77.95)^2+(69.14-64)^2+(92.05-58.2)^2+(80-77.75)^2+(84.55-84.25)^2)$$

$$= 71.76$$

Proses Perhitungan Data Euclidean Distance ke-22

$$(d) = \text{SQRT}((81.25-73.65)^2+(58.65-77.55)^2+(83.75-73.9)^2+(76.3-63.18)^2+(83-69.5)^2+(56.75-51.65)^2+(81.55-85.6)^2+(66.7-55.5)^2+(86.25-79.75)^2+(72.8-74.5)^2+(79.9-68.15)^2+(91.85-77.45)^2+(70-50.65)^2+(80.9-81.65)^2+(69.25-67.35)^2+(79-85.4)^2+(87.75-76.1)^2+(81.25-85.75)^2+(75.85-76.6)^2+(68.75-92.75)^2+(81.65-62.75)^2+(83.75-78.95)^2+(84.25-82.7)^2+(89-77.5)^2+(81.25-77.65)^2+(88.5-85.2)^2+(81.05-89.65)^2+(89-77.95)^2+(94.35-64)^2+(88.5-58.2)^2+(82.25-77.75)^2+(79.5-84.25)^2)$$

$$= 72.07$$

Proses Perhitungan Data Euclidean Distance ke-23

$$(d) = \text{SQRT}((82.45-73.65)^2+(74.7-77.55)^2+(86.9-73.9)^2+(67.85-63.18)^2+(71.35-69.5)^2+(78.75-51.65)^2+(83.95-85.6)^2+(81.15-55.5)^2+(84.05-79.75)^2+(78.7-74.5)^2+(90.55-68.15)^2+(69.3-77.45)^2+(82.2-50.65)^2+(85.25-81.65)^2+(70.5-67.35)^2+(90.2-85.4)^2+(70.15-76.1)^2+(81.25-85.75)^2+(80.05-76.6)^2+(75.45-92.75)^2+(78.5-62.75)^2+(79.4-78.95)^2+(71.35-82.7)^2+(83.5-$$

$$77.5)^2+(81.05-77.65)^2+(78-85.2)^2+(82.5-89.65)^2+(62.4-77.95)^2+(70.45-64)^2+(83.9-58.2)^2+(72-77.75)^2+(82-84.25)^2)$$

$$= 72.09$$

Proses Perhitungan Data Euclidean Distance ke-24

$$(d) = \text{SQRT}((87.25-73.65)^2+(66.2-77.55)^2+(87.85-73.9)^2+(77.29-63.18)^2+(83.6-69.5)^2+(61.95-51.65)^2+(90.21-85.6)^2+(66.9-55.5)^2+(91.7-79.75)^2+(75.8-74.5)^2+(90.5-68.15)^2+(89.35-77.45)^2+(81.5-50.65)^2+(89.6-81.65)^2+(72.7-67.35)^2+(80.85-85.4)^2+(80.15-76.1)^2+(83.05-85.75)^2+(84.7-76.6)^2+(82.5-92.75)^2+(84.4-62.75)^2+(92-78.95)^2+(95.75-82.7)^2+(89.5-77.5)^2+(87-77.65)^2+(81.4-85.2)^2+(84.5-89.65)^2+(94.05-77.95)^2+(81-64)^2+(77.75-58.2)^2+(82.82-77.75)^2+(79.95-84.25)^2)$$

$$= 72.55$$

Proses Perhitungan Data Euclidean Distance ke-25

$$(d) = \text{SQRT}((85.1-73.65)^2+(68-77.55)^2+(84.95-73.9)^2+(66.42-63.18)^2+(77.15-69.5)^2+(77.45-51.65)^2+(82.2-85.6)^2+(82.05-55.5)^2+(86.45-79.75)^2+(67.15-74.5)^2+(79.7-68.15)^2+(83-77.45)^2+(83.9-50.65)^2+(89-81.65)^2+(80.9-67.35)^2+(83.2-85.4)^2+(74.45-76.1)^2+(82.25-85.75)^2+(79-76.6)^2+(73.75-92.75)^2+(78.25-62.75)^2+(72.65-78.95)^2+(77.18-82.7)^2+(86.85-77.5)^2+(77.05-77.65)^2+(85.35-85.2)^2+(88.5-89.65)^2+(82.1-77.95)^2+(71.04-64)^2+(90.3-58.2)^2+(79.75-77.75)^2+(84.55-84.25)^2)$$

$$= 72.73$$

Proses Perhitungan Data Euclidean Distance ke-26

$$(d) = \text{SQRT}((82.5-73.65)^2+(80.65-77.55)^2+(84.4-73.9)^2+(70.74-63.18)^2+(83.5-69.5)^2+(74.7-51.65)^2+(82.65-85.6)^2+(78.3-55.5)^2+(79.85-79.75)^2+(72.65-74.5)^2+(87.05-68.15)^2+(78.5-77.45)^2+(88.38-50.65)^2+(82.7-81.65)^2+(77-67.35)^2+(81.35-85.4)^2+(86.75-76.1)^2+(71.45-85.75)^2+(78.75-76.6)^2+(84.1-92.75)^2+(81.75-62.75)^2+(83-78.95)^2+(88.5-82.7)^2+(85.6-77.5)^2+(86.2-77.65)^2+(73-85.2)^2+(95-89.65)^2+(64.55-77.95)^2+(72.74-64)^2+(82-58.2)^2+(76.75-77.75)^2+(79.55-84.25)^2)$$

$$= 73.33$$

Proses Perhitungan Data Euclidean Distance ke-27

$$(d) = \text{SQRT}((82.95-73.65)^2+(69.95-77.55)^2+(88.15-73.9)^2+(78.63-63.18)^2+(51.05-69.5)^2+(59.5-51.65)^2+(82.8-85.6)^2+(79.35-55.5)^2+(84.25-79.75)^2+(83.5-74.5)^2+(80.95-68.15)^2+(87.75-77.45)^2+(84.5-50.65)^2+(82-81.65)^2+(83-67.35)^2+(81.25-$$

$$85.4)^2+(87.2-76.1)^2+(84.25-85.75)^2+(84.05-76.6)^2+(82.65-92.75)^2+(81.6-62.75)^2+(84.4-78.95)^2+(79.4-82.7)^2+(77.65-77.5)^2+(82.15-77.65)^2+(79-85.2)^2+(89.25-89.65)^2+(91.5-77.95)^2+(78.7-64)^2+(86.2-58.2)^2+(74.58-77.75)^2+(71.95-84.25)^2)$$

$$= 73.67$$

Proses Perhitungan Data Euclidean Distance ke-28

$$(d) = \text{SQRT}((89.55-73.65)^2+(77.7-77.55)^2+(86.75-73.9)^2+(83.75-63.18)^2+(78.4-69.5)^2+(69.65-51.65)^2+(81.6-85.6)^2+(81.25-55.5)^2+(86-79.75)^2+(90.8-74.5)^2+(72-68.15)^2+(89.95-77.45)^2+(83-50.65)^2+(91.7-81.65)^2+(87.2-67.35)^2+(89.1-85.4)^2+(84.5-76.1)^2+(83.05-85.75)^2+(77.8-76.6)^2+(88.35-92.75)^2+(80.6-62.75)^2+(83.1-78.95)^2+(85.25-82.7)^2+(86.2-77.5)^2+(84.15-77.65)^2+(83.75-85.2)^2+(79.7-89.65)^2+(84.9-77.95)^2+(70.05-64)^2+(83.15-58.2)^2+(67.45-77.75)^2+(80.45-84.25)^2)$$

$$= 73.77$$

Proses Perhitungan Data Euclidean Distance ke-29

$$(d) = \text{SQRT}((82.8-73.65)^2+(84.95-77.55)^2+(74.45-73.9)^2+(76.05-63.18)^2+(77-69.5)^2+(86-51.65)^2+(85.2-85.6)^2+(79.15-55.5)^2+(83.7-79.75)^2+(78.4-74.5)^2+(78.75-68.15)^2+(78.5-77.45)^2+(65-50.65)^2+(87.65-81.65)^2+(84.75-67.35)^2+(83.75-85.4)^2+(80.1-76.1)^2+(91-85.75)^2+(78.4-76.6)^2+(89.75-92.75)^2+(71.85-62.75)^2+(82.5-78.95)^2+(91-82.7)^2+(87.6-77.5)^2+(83.7-77.65)^2+(85-85.2)^2+(85.5-89.65)^2+(97.75-77.95)^2+(85.95-64)^2+(93.8-58.2)^2+(89.75-77.75)^2+(88.45-84.25)^2)$$

$$= 73.96$$

Proses Perhitungan Data Euclidean Distance ke-30

$$(d) = \text{SQRT}((84.55-73.65)^2+(74.05-77.55)^2+(74.7-73.9)^2+(68.1-63.18)^2+(59.85-69.5)^2+(81.25-51.65)^2+(86.25-85.6)^2+(82.55-55.5)^2+(84-79.75)^2+(72.25-74.5)^2+(87.45-68.15)^2+(71.4-77.45)^2+(79.15-50.65)^2+(83.2-81.65)^2+(75-67.35)^2+(87-85.4)^2+(64.05-76.1)^2+(69.6-85.75)^2+(77.95-76.6)^2+(76.45-92.75)^2+(76.45-62.75)^2+(71.25-78.95)^2+(73.58-82.7)^2+(82.25-77.5)^2+(77.05-77.65)^2+(85.7-85.2)^2+(89-89.65)^2+(64.25-77.95)^2+(61.67-64)^2+(89.7-58.2)^2+(67.5-77.75)^2+(83.5-84.25)^2)$$

$$= 74.05$$

Proses Perhitungan Data Euclidean Distance ke-31

$$(d) = \text{SQRT}((82.5-73.65)^2+(85.95-77.55)^2+(75.05-73.9)^2+(70.9-63.18)^2+(77-69.5)^2+(89-51.65)^2+(82.75-85.6)^2+(81.65-$$

$$55.5)^2+(81.25-79.75)^2+(78.3-74.5)^2+(79.85-68.15)^2+(84.75-77.45)^2+(63.95-50.65)^2+(80.55-81.65)^2+(75.4-67.35)^2+(78.25-85.4)^2+(70.4-76.1)^2+(82.65-85.75)^2+(84.25-76.6)^2+(87.45-92.75)^2+(85.65-62.75)^2+(80.7-78.95)^2+(90.5-82.7)^2+(90.5-77.5)^2+(83.7-77.65)^2+(85-85.2)^2+(81.95-89.65)^2+(84.75-77.95)^2+(86.85-64)^2+(90.8-58.2)^2+(81.5-77.75)^2+(86.45-84.25)^2$$

$$= 74.07$$

Proses Perhitungan Data Euclidean Distance ke-32

$$(d) = \text{SQRT}((80.3-73.65)^2+(74.9-77.55)^2+(80.65-73.9)^2+(64.25-63.18)^2+(67.35-69.5)^2+(81.25-51.65)^2+(83.25-85.6)^2+(81.15-55.5)^2+(81.2-79.75)^2+(78.1-74.5)^2+(91.5-68.15)^2+(71.4-77.45)^2+(87.05-50.65)^2+(83.75-81.65)^2+(62.75-67.35)^2+(87.45-85.4)^2+(66.1-76.1)^2+(72.5-85.75)^2+(81.8-76.6)^2+(76.45-92.75)^2+(80.25-62.75)^2+(79.4-78.95)^2+(76.28-82.7)^2+(85-77.5)^2+(81.05-77.65)^2+(66.5-85.2)^2+(83.5-89.65)^2+(78.05-77.95)^2+(69.32-64)^2+(80.95-58.2)^2+(75.3-77.75)^2+(81.05-84.25)^2)$$

$$= 74.35$$

Proses Perhitungan Data Euclidean Distance ke-33

$$(d) = \text{SQRT}((83.25-73.65)^2+(75.75-77.55)^2+(88.15-73.9)^2+(66.53-63.18)^2+(56.8-69.5)^2+(59.5-51.65)^2+(86.7-85.6)^2+(73.75-55.5)^2+(82.25-79.75)^2+(83.25-74.5)^2+(85.5-68.15)^2+(91-77.45)^2+(81.5-50.65)^2+(80.4-81.65)^2+(84.45-67.35)^2+(82.65-85.4)^2+(83-76.1)^2+(69.1-85.75)^2+(71.95-76.6)^2+(78.4-92.75)^2+(77.2-62.75)^2+(68.8-78.95)^2+(79.05-82.7)^2+(74.9-77.5)^2+(76.45-77.65)^2+(72.9-85.2)^2+(67.15-89.65)^2+(91.5-77.95)^2+(85.9-64)^2+(81.4-58.2)^2+(76.26-77.75)^2+(71.2-84.25)^2)$$

$$= 74.87$$

Proses Perhitungan Data Euclidean Distance ke-34

$$(d) = \text{SQRT}((81.8-73.65)^2+(86.5-77.55)^2+(79.7-73.9)^2+(71.5-63.18)^2+(77-69.5)^2+(94.8-51.65)^2+(85.25-85.6)^2+(79.15-55.5)^2+(83.5-79.75)^2+(79.2-74.5)^2+(77.7-68.15)^2+(79.7-77.45)^2+(65.2-50.65)^2+(87.8-81.65)^2+(84-67.35)^2+(85.95-85.4)^2+(80.8-76.1)^2+(92.75-85.75)^2+(84.9-76.6)^2+(89.75-92.75)^2+(71.6-62.75)^2+(82.45-78.95)^2+(91-82.7)^2+(86.55-77.5)^2+(85.7-77.65)^2+(85-85.2)^2+(82.75-89.65)^2+(96-77.95)^2+(70.3-64)^2+(95.25-58.2)^2+(80.95-77.75)^2+(86.6-84.25)^2)$$

$$= 75.12$$

Proses Perhitungan Data Euclidean Distance ke-35

$$(d) = \text{SQRT}((82.5-73.65)^2+(80.45-77.55)^2+(84.45-73.9)^2+(78.41-63.18)^2+(81.15-69.5)^2+(81.15-51.65)^2+(82.8-85.6)^2+(86.35-55.5)^2+(81.45-79.75)^2+(74.45-74.5)^2+(89.25-68.15)^2+(79-77.45)^2+(86-50.65)^2+(89.4-81.65)^2+(79.45-67.35)^2+(83.55-85.4)^2+(86.4-76.1)^2+(80.45-85.75)^2+(79.25-76.6)^2+(87.1-92.75)^2+(82-62.75)^2+(83-78.95)^2+(88.5-82.7)^2+(85.6-77.5)^2+(81.75-77.65)^2+(75.5-85.2)^2+(84.5-89.65)^2+(80.5-77.95)^2+(75.86-64)^2+(79.7-58.2)^2+(82.5-77.75)^2+(79.3-84.25)^2)$$

$$= 75.89$$

Proses Perhitungan Data Euclidean Distance ke-36

$$(d) = \text{SQRT}((85.35-73.65)^2+(90.85-77.55)^2+(94-73.9)^2+(71.43-63.18)^2+(71.75-69.5)^2+(76.6-51.65)^2+(81.05-85.6)^2+(72.15-55.5)^2+(85.3-79.75)^2+(82.95-74.5)^2+(90.1-68.15)^2+(77.65-77.45)^2+(78.25-50.65)^2+(76.2-81.65)^2+(89-67.35)^2+(91.7-85.4)^2+(82.55-76.1)^2+(80.35-85.75)^2+(72-76.6)^2+(83.7-92.75)^2+(85.7-62.75)^2+(78.95-78.95)^2+(86.25-82.7)^2+(78.45-77.5)^2+(89-77.65)^2+(82.75-85.2)^2+(84.75-89.65)^2+(82.25-77.95)^2+(84.1-64)^2+(86.25-58.2)^2+(86.1-77.75)^2+(76.5-84.25)^2)$$

$$= 76.21$$

Proses Perhitungan Data Euclidean Distance ke-37

$$(d) = \text{SQRT}((89.25-73.65)^2+(79.5-77.55)^2+(93.1-73.9)^2+(77.17-63.18)^2+(79.75-69.5)^2+(65.75-51.65)^2+(78.8-85.6)^2+(72-55.5)^2+(83.75-79.75)^2+(80.7-74.5)^2+(87.95-68.15)^2+(78.7-77.45)^2+(82.45-50.65)^2+(70.55-81.65)^2+(89-67.35)^2+(88.2-85.4)^2+(82.75-76.1)^2+(75.35-85.75)^2+(76.2-76.6)^2+(80.9-92.75)^2+(88.4-62.75)^2+(83.2-78.95)^2+(86.25-82.7)^2+(74.5-77.5)^2+(89.63-77.65)^2+(79.3-85.2)^2+(82.5-89.65)^2+(72.1-77.95)^2+(88.15-64)^2+(72.5-58.2)^2+(91.99-77.75)^2+(75.65-84.25)^2)$$

$$= 76.23$$

Proses Perhitungan Data Euclidean Distance ke-38

$$(d) = \text{SQRT}((82.25-73.65)^2+(77.95-77.55)^2+(85.4-73.9)^2+(85.7-63.18)^2+(86.25-69.5)^2+(59-51.65)^2+(89.35-85.6)^2+(84.45-55.5)^2+(81.75-79.75)^2+(55.45-74.5)^2+(85.7-68.15)^2+(91.85-77.45)^2+(71.7-50.65)^2+(90.95-81.65)^2+(72.45-67.35)^2+(75.75-85.4)^2+(64.65-76.1)^2+(92.7-85.75)^2+(71.98-76.6)^2+(77.05-92.75)^2+(85.95-62.75)^2+(61.4-78.95)^2+(87.25-82.7)^2+(88.15-77.5)^2+(84.1-77.65)^2+(85-85.2)^2+(97-89.65)^2+(82.6-77.95)^2+(79.8-64)^2+(82.15-58.2)^2+(80-77.75)^2+(81.5-84.25)^2)$$

$$= 76.24$$

Proses Perhitungan Data Euclidean Distance ke-39

$$(d) = \text{SQRT}((83.3-73.65)^2+(86.9-77.55)^2+(76.95-73.9)^2+(79.35-63.18)^2+(77-69.5)^2+(88.6-51.65)^2+(89-85.6)^2+(79.15-55.5)^2+(83.25-79.75)^2+(78.6-74.5)^2+(81.95-68.15)^2+(82-77.45)^2+(69.75-50.65)^2+(90.6-81.65)^2+(82.5-67.35)^2+(84.6-85.4)^2+(72.65-76.1)^2+(91-85.75)^2+(83.55-76.6)^2+(89.75-92.75)^2+(72.35-62.75)^2+(80.75-78.95)^2+(87.5-82.7)^2+(85.75-77.5)^2+(80.45-77.65)^2+(84.5-85.2)^2+(90.4-89.65)^2+(93-77.95)^2+(81.75-64)^2+(97.65-58.2)^2+(86.5-77.75)^2+(83.7-84.25)^2)$$

$$= 76.33$$

Proses Perhitungan Data Euclidean Distance ke-40

$$(d) = \text{SQRT}((76.75-73.65)^2+(75.75-77.55)^2+(87.55-73.9)^2+(66.07-63.18)^2+(59.25-69.5)^2+(63-51.65)^2+(85.55-85.6)^2+(78.9-55.5)^2+(84.65-79.75)^2+(83.25-74.5)^2+(90.15-68.15)^2+(91.5-77.45)^2+(87.5-50.65)^2+(83-81.65)^2+(84.7-67.35)^2+(81.5-85.4)^2+(81.45-76.1)^2+(81.85-85.75)^2+(85.05-76.6)^2+(89.5-92.75)^2+(83.7-62.75)^2+(83.1-78.95)^2+(85.55-82.7)^2+(83.5-77.5)^2+(86-77.65)^2+(92.75-85.2)^2+(86.75-89.65)^2+(91.5-77.95)^2+(84.1-64)^2+(89.7-58.2)^2+(82.5-77.75)^2+(80.25-84.25)^2)$$

$$= 76.33$$

Proses Perhitungan Data Euclidean Distance ke-41

$$(d) = \text{SQRT}((79.25-73.65)^2+(86.25-77.55)^2+(84-73.9)^2+(77.43-63.18)^2+(89.55-69.5)^2+(80.2-51.65)^2+(80.8-85.6)^2+(86.2-55.5)^2+(85.5-79.75)^2+(84.55-74.5)^2+(90.3-68.15)^2+(75.8-77.45)^2+(83.5-50.65)^2+(94.85-81.65)^2+(81.95-67.35)^2+(88.95-85.4)^2+(85.45-76.1)^2+(76.3-85.75)^2+(74.95-76.6)^2+(82-92.75)^2+(73.2-62.75)^2+(78-78.95)^2+(64.93-82.7)^2+(76.7-77.5)^2+(81.2-77.65)^2+(81.5-85.2)^2+(85.7-89.65)^2+(72.85-77.95)^2+(66.75-64)^2+(77.4-58.2)^2+(76.05-77.75)^2+(77.8-84.25)^2)$$

$$= 76.89$$

Proses Perhitungan Data Euclidean Distance ke-42

$$(d) = \text{SQRT}((75.65-73.65)^2+(62.5-77.55)^2+(82.15-73.9)^2+(70.63-63.18)^2+(57.75-69.5)^2+(75.5-51.65)^2+(88.05-85.6)^2+(86.75-55.5)^2+(87-79.75)^2+(79.75-74.5)^2+(86.25-68.15)^2+(78.5-77.45)^2+(69.2-50.65)^2+(86.6-81.65)^2+(62.18-67.35)^2+(89.5-85.4)^2+(71.9-76.1)^2+(75-85.75)^2+(79.15-76.6)^2+(64.4-92.75)^2+(77.3-62.75)^2+(83.7-78.95)^2+(89.7-82.7)^2+(87.5-77.5)^2+(88.25-77.65)^2+(78.75-85.2)^2+(79.25-89.65)^2+(66.75-77.95)^2+(76.35-64)^2+(92.95-58.2)^2+(79.5-77.75)^2+(83.95-84.25)^2)$$

$$= 77.08$$

Proses Perhitungan Data Euclidean Distance ke-43

$$(d) = \text{SQRT}((82.45-73.65)^2+(81.3-77.55)^2+(86.75-73.9)^2+(78.25-63.18)^2+(72-69.5)^2+(72.25-51.65)^2+(86.75-85.6)^2+(82.9-55.5)^2+(82.95-79.75)^2+(76.4-74.5)^2+(91.25-68.15)^2+(90.25-77.45)^2+(87.05-50.65)^2+(89.5-81.65)^2+(80.2-67.35)^2+(85.4-85.4)^2+(73.5-76.1)^2+(88.5-85.75)^2+(79.05-76.6)^2+(74.5-92.75)^2+(87.4-62.75)^2+(86.9-78.95)^2+(74.18-82.7)^2+(87.75-77.5)^2+(77.75-77.65)^2+(78.5-85.2)^2+(89.5-89.65)^2+(85.95-77.95)^2+(81.72-64)^2+(78.25-58.2)^2+(80.75-77.75)^2+(84.05-84.25)^2)$$

$$= 77.24$$

Proses Perhitungan Data Euclidean Distance ke-44

$$(d) = \text{SQRT}((81.7-73.65)^2+(83.45-77.55)^2+(77.4-73.9)^2+(76.26-63.18)^2+(68.95-69.5)^2+(57.15-51.65)^2+(79.7-85.6)^2+(65.35-55.5)^2+(83.75-79.75)^2+(66.3-74.5)^2+(80.9-68.15)^2+(89.75-77.45)^2+(90.45-50.65)^2+(90.1-81.65)^2+(65-67.35)^2+(84.65-85.4)^2+(78.55-76.1)^2+(83.2-85.75)^2+(76.95-76.6)^2+(78.6-92.75)^2+(85.5-62.75)^2+(87.95-78.95)^2+(75.71-82.7)^2+(78-77.5)^2+(94.25-77.65)^2+(96.75-85.2)^2+(63.95-89.65)^2+(93.3-77.95)^2+(87.2-64)^2+(85.65-58.2)^2+(88.99-77.75)^2+(75.7-84.25)^2)$$

$$= 78.49$$

Proses Perhitungan Data Euclidean Distance ke-45

$$(d) = \text{SQRT}((82.1-73.65)^2+(92-77.55)^2+(81.65-73.9)^2+(69.2-63.18)^2+(56.19-69.5)^2+(63.25-51.65)^2+(79.65-85.6)^2+(83.55-55.5)^2+(85.5-79.75)^2+(54.2-74.5)^2+(95.8-68.15)^2+(83-77.45)^2+(83.9-50.65)^2+(80.75-81.65)^2+(76.7-67.35)^2+(90.35-85.4)^2+(68.15-76.1)^2+(63.25-85.75)^2+(78.57-76.6)^2+(75.8-92.75)^2+(73.1-62.75)^2+(77-78.95)^2+(90.65-82.7)^2+(82.2-77.5)^2+(74.5-77.65)^2+(83.75-85.2)^2+(87.75-89.65)^2+(76.95-77.95)^2+(77-64)^2+(89.2-58.2)^2+(80.25-77.75)^2+(84.95-84.25)^2)$$

$$= 78.61$$

Proses Perhitungan Data Euclidean Distance ke-46

$$(d) = \text{SQRT}((87.45-73.65)^2+(71-77.55)^2+(93.9-73.9)^2+(69.02-63.18)^2+(79.5-69.5)^2+(79.25-51.65)^2+(83.5-85.6)^2+(83-55.5)^2+(93.5-79.75)^2+(79.3-74.5)^2+(92.6-68.15)^2+(76.6-77.45)^2+(81.75-50.65)^2+(89.7-81.65)^2+(88.5-67.35)^2+(81.35-85.4)^2+(84.25-76.1)^2+(76.7-85.75)^2+(71.45-76.6)^2+(87.75-92.75)^2+(75.65-62.75)^2+(79.4-78.95)^2+(67.53-82.7)^2+(77.75-$$

$$77.5)^2+(83.5-77.65)^2+(89.9-85.2)^2+(84.25-89.65)^2+(76.25-77.95)^2+(70.15-64)^2+(87-58.2)^2+(72.25-77.75)^2+(77.1-84.25)^2)$$

$$= 78.93$$

Proses Perhitungan Data Euclidean Distance ke-47

$$(d) = \text{SQRT}((82.5-73.65)^2+(86.05-77.55)^2+(76.95-73.9)^2+(81.1-63.18)^2+(74-69.5)^2+(93.4-51.65)^2+(87.5-85.6)^2+(79.15-55.5)^2+(82.2-79.75)^2+(75.45-74.5)^2+(78.75-68.15)^2+(77.45-77.45)^2+(64.2-50.65)^2+(87.65-81.65)^2+(78.25-67.35)^2+(88.9-85.4)^2+(68.8-76.1)^2+(85.95-85.75)^2+(85-76.6)^2+(92.75-92.75)^2+(71.6-62.75)^2+(80.2-78.95)^2+(90.5-82.7)^2+(86.8-77.5)^2+(80.45-77.65)^2+(85-85.2)^2+(90.3-89.65)^2+(96-77.95)^2+(88.55-64)^2+(97.9-58.2)^2+(89-77.75)^2+(86.65-84.25)^2)$$

$$= 79.21$$

Proses Perhitungan Data Euclidean Distance ke-48

$$(d) = \text{SQRT}((81.05-73.65)^2+(84.6-77.55)^2+(86.4-73.9)^2+(72.1-63.18)^2+(88.7-69.5)^2+(74-51.65)^2+(89.45-85.6)^2+(83.5-55.5)^2+(85.9-79.75)^2+(72.1-74.5)^2+(82.3-68.15)^2+(79-77.45)^2+(86-50.65)^2+(97.5-81.65)^2+(90-67.35)^2+(86.25-85.4)^2+(87.8-76.1)^2+(86.5-85.75)^2+(79.5-76.6)^2+(87.95-92.75)^2+(81.8-62.75)^2+(82.5-78.95)^2+(93.5-82.7)^2+(82.7-77.5)^2+(86.3-77.65)^2+(79.5-85.2)^2+(95-89.65)^2+(80.25-77.95)^2+(74.1-64)^2+(87.25-58.2)^2+(91.8-77.75)^2+(77.95-84.25)^2)$$

$$= 79.25$$

Proses Perhitungan Data Euclidean Distance ke-49

$$(d) = \text{SQRT}((90.7-73.65)^2+(75.25-77.55)^2+(87.95-73.9)^2+(75.33-63.18)^2+(71.8-69.5)^2+(84.25-51.65)^2+(83.7-85.6)^2+(85.95-55.5)^2+(86.35-79.75)^2+(71.9-74.5)^2+(67.8-68.15)^2+(82.55-77.45)^2+(86-50.65)^2+(81.55-81.65)^2+(63.33-67.35)^2+(84.1-85.4)^2+(83.7-76.1)^2+(74.95-85.75)^2+(67.95-76.6)^2+(83.75-92.75)^2+(80.95-62.75)^2+(82.25-78.95)^2+(82.8-82.7)^2+(88.95-77.5)^2+(88.7-77.65)^2+(84.25-85.2)^2+(90-89.65)^2+(88.45-77.95)^2+(85.2-64)^2+(84.65-58.2)^2+(90.45-77.75)^2+(81.5-84.25)^2)$$

$$= 79.62$$

Proses Perhitungan Data Euclidean Distance ke-50

$$(d) = \text{SQRT}((82.5-73.65)^2+(65.55-77.55)^2+(94.05-73.9)^2+(78.95-63.18)^2+(86-69.5)^2+(69.25-51.65)^2+(86-85.6)^2+(82.25-55.5)^2+(92.75-79.75)^2+(74.4-74.5)^2+(78.85-68.15)^2+(91.5-77.45)^2+(73.25-50.65)^2+(87.45-81.65)^2+(71.5-67.35)^2+(83.7-$$

$$85.4)^2+(88.95-76.1)^2+(80.25-85.75)^2+(84.8-76.6)^2+(80.5-92.75)^2+(86.8-62.75)^2+(88.5-78.95)^2+(87-82.7)^2+(91.5-77.5)^2+(78.25-77.65)^2+(89.25-85.2)^2+(94.8-89.65)^2+(89.5-77.95)^2+(94.1-64)^2+(85.25-58.2)^2+(80.5-77.75)^2+(84.25-84.25)^2)$$

$$= 79.62$$

Proses Perhitungan Data Euclidean Distance ke-51

$$(d) = \text{SQRT}((82.3-73.65)^2+(84.75-77.55)^2+(85.45-73.9)^2+(77.85-63.18)^2+(70.34-69.5)^2+(58.5-51.65)^2+(85.7-85.6)^2+(89.55-55.5)^2+(84.15-79.75)^2+(58.25-74.5)^2+(95-68.15)^2+(91.5-77.45)^2+(87.05-50.65)^2+(75.7-81.65)^2+(81.25-67.35)^2+(84.05-85.4)^2+(76.3-76.1)^2+(84.75-85.75)^2+(68.45-76.6)^2+(80.25-92.75)^2+(73.75-62.75)^2+(83.55-78.95)^2+(64.33-82.7)^2+(85.45-77.5)^2+(86.95-77.65)^2+(80.5-85.2)^2+(90-89.65)^2+(81.35-77.95)^2+(80.5-64)^2+(84.65-58.2)^2+(81.95-77.75)^2+(78.4-84.25)^2)$$

$$= 79.69$$

Proses Perhitungan Data Euclidean Distance ke-52

$$(d) = \text{SQRT}((82.8-73.65)^2+(74.65-77.55)^2+(92.63-73.9)^2+(77.02-63.18)^2+(94.51-69.5)^2+(79.4-51.65)^2+(85.55-85.6)^2+(67.4-55.5)^2+(80.25-79.75)^2+(78.2-74.5)^2+(76-68.15)^2+(80.95-77.45)^2+(79.5-50.65)^2+(96.95-81.65)^2+(72.33-67.35)^2+(89.65-85.4)^2+(73.15-76.1)^2+(89.45-85.75)^2+(87.5-76.6)^2+(68.3-92.75)^2+(82.55-62.75)^2+(82.95-78.95)^2+(78.5-82.7)^2+(89.95-77.5)^2+(87.5-77.65)^2+(91.15-85.2)^2+(79.25-89.65)^2+(89.6-77.95)^2+(74.4-64)^2+(92.5-58.2)^2+(84.25-77.75)^2+(84.55-84.25)^2)$$

$$= 79.95$$

Proses Perhitungan Data Euclidean Distance ke-53

$$(d) = \text{SQRT}((87.25-73.65)^2+(86.95-77.55)^2+(88.55-73.9)^2+(72.14-63.18)^2+(76.75-69.5)^2+(76-51.65)^2+(84.35-85.6)^2+(85.95-55.5)^2+(81.3-79.75)^2+(91.15-74.5)^2+(89.8-68.15)^2+(88.75-77.45)^2+(78.7-50.65)^2+(78.35-81.65)^2+(81.45-67.35)^2+(82.1-85.4)^2+(84.25-76.1)^2+(76-85.75)^2+(77.52-76.6)^2+(84.45-92.75)^2+(80.05-62.75)^2+(86.75-78.95)^2+(90.2-82.7)^2+(79.7-77.5)^2+(79.55-77.65)^2+(89.05-85.2)^2+(83.5-89.65)^2+(86.9-77.95)^2+(74.7-64)^2+(95.85-58.2)^2+(85.75-77.75)^2+(87.95-84.25)^2)$$

$$= 80.15$$

Proses Perhitungan Data Euclidean Distance ke-54

$$(d) = \text{SQRT}((81.4-73.65)^2+(90.75-77.55)^2+(80.45-73.9)^2+(73.11-63.18)^2+(88.15-69.5)^2+(68.7-51.65)^2+(82.8-85.6)^2+(69-$$

$$55.5)^2+(81.5-79.75)^2+(80.3-74.5)^2+(83.75-68.15)^2+(84.5-77.45)^2+(96-50.65)^2+(82.7-81.65)^2+(66.5-67.35)^2+(78.5-85.4)^2+(89.7-76.1)^2+(79.6-85.75)^2+(82.9-76.6)^2+(81.62-92.75)^2+(87.15-62.75)^2+(92-78.95)^2+(90-82.7)^2+(77.45-77.5)^2+(83.2-77.65)^2+(84.45-85.2)^2+(95-89.65)^2+(91.5-77.95)^2+(76.8-64)^2+(91.75-58.2)^2+(83.25-77.75)^2+(89.5-84.25)^2$$

$$= 80.23$$

Proses Perhitungan Data Euclidean Distance ke-55

$$(d) = \text{SQRT}((87.1-73.65)^2+(85.65-77.55)^2+(88.55-73.9)^2+(70.92-63.18)^2+(74-69.5)^2+(80.2-51.65)^2+(89.5-85.6)^2+(78.2-55.5)^2+(78.35-79.75)^2+(90.9-74.5)^2+(95.6-68.15)^2+(88.65-77.45)^2+(79-50.65)^2+(84.95-81.65)^2+(81.45-67.35)^2+(85.2-85.4)^2+(83-76.1)^2+(81.35-85.75)^2+(89.45-76.6)^2+(80.7-92.75)^2+(82.65-62.75)^2+(90.95-78.95)^2+(94.7-82.7)^2+(85.3-77.5)^2+(80.25-77.65)^2+(81.85-85.2)^2+(83.45-89.65)^2+(91.95-77.95)^2+(80.35-64)^2+(81.7-58.2)^2+(84.58-77.75)^2+(71.7-84.25)^2)$$

$$= 80.30$$

Proses Perhitungan Data Euclidean Distance ke-56

$$(d) = \text{SQRT}((82-73.65)^2+(80.05-77.55)^2+(88.2-73.9)^2+(72.64-63.18)^2+(85.95-69.5)^2+(84.25-51.65)^2+(83.2-85.6)^2+(84.35-55.5)^2+(93.65-79.75)^2+(78-74.5)^2+(88.85-68.15)^2+(76.4-77.45)^2+(84.95-50.65)^2+(89.9-81.65)^2+(77.75-67.35)^2+(82.9-85.4)^2+(82.85-76.1)^2+(67.1-85.75)^2+(77.95-76.6)^2+(85.3-92.75)^2+(77.45-62.75)^2+(83-78.95)^2+(93.5-82.7)^2+(85.6-77.5)^2+(85.1-77.65)^2+(75.25-85.2)^2+(95-89.65)^2+(77.55-77.95)^2+(70.96-64)^2+(86.2-58.2)^2+(78-77.75)^2+(78.05-84.25)^2)$$

$$= 80.34$$

Proses Perhitungan Data Euclidean Distance ke-57

$$(d) = \text{SQRT}((78.95-73.65)^2+(72.45-77.55)^2+(90.3-73.9)^2+(84.5-63.18)^2+(78.25-69.5)^2+(79.5-51.65)^2+(79.25-85.6)^2+(89.95-55.5)^2+(83.85-79.75)^2+(88.15-74.5)^2+(89.3-68.15)^2+(84.35-77.45)^2+(81.15-50.65)^2+(82.3-81.65)^2+(84.45-67.35)^2+(76.65-85.4)^2+(72.15-76.1)^2+(80.65-85.75)^2+(84.85-76.6)^2+(85-92.75)^2+(77.2-62.75)^2+(86.5-78.95)^2+(87.15-82.7)^2+(76.5-77.5)^2+(78.75-77.65)^2+(85-85.2)^2+(91.25-89.65)^2+(83.75-77.95)^2+(78-64)^2+(82.7-58.2)^2+(59.36-77.75)^2+(82.75-84.25)^2)$$

$$= 80.53$$

Proses Perhitungan Data Euclidean Distance ke-58

$$(d) = \text{SQRT}((81.8-73.65)^2+(66.15-77.55)^2+(92.3-73.9)^2+(77.65-63.18)^2+(83-69.5)^2+(79.75-51.65)^2+(86.45-85.6)^2+(84.75-55.5)^2+(80.95-79.75)^2+(79.2-74.5)^2+(83.8-68.15)^2+(92.2-77.45)^2+(80.25-50.65)^2+(83.2-81.65)^2+(71.5-67.35)^2+(77.2-85.4)^2+(89.15-76.1)^2+(81.65-85.75)^2+(93.95-76.6)^2+(83.05-92.75)^2+(81.95-62.75)^2+(88.5-78.95)^2+(88.2-82.7)^2+(86.5-77.5)^2+(83.2-77.65)^2+(88.5-85.2)^2+(95.15-89.65)^2+(84.25-77.95)^2+(85.05-64)^2+(81.9-58.2)^2+(91.67-77.75)^2+(79.95-84.25)^2)$$

$$= 80.64$$

Proses Perhitungan Data Euclidean Distance ke-59

$$(d) = \text{SQRT}((89.35-73.65)^2+(80.55-77.55)^2+(82.9-73.9)^2+(81.67-63.18)^2+(95-69.5)^2+(76.75-51.65)^2+(85.2-85.6)^2+(81.75-55.5)^2+(82.75-79.75)^2+(89.35-74.5)^2+(72-68.15)^2+(89.7-77.45)^2+(83-50.65)^2+(90-81.65)^2+(92.2-67.35)^2+(91.35-85.4)^2+(79.25-76.1)^2+(83.45-85.75)^2+(85.3-76.6)^2+(88.35-92.75)^2+(78.55-62.75)^2+(87.6-78.95)^2+(84.75-82.7)^2+(87.5-77.5)^2+(85.05-77.65)^2+(84.8-85.2)^2+(83.1-89.65)^2+(87.25-77.95)^2+(81.9-64)^2+(84.45-58.2)^2+(77.5-77.75)^2+(81.6-84.25)^2)$$

$$= 80.94$$

Proses Perhitungan Data Euclidean Distance ke-60

$$(d) = \text{SQRT}((91.45-73.65)^2+(74.5-77.55)^2+(86.2-73.9)^2+(69.01-63.18)^2+(88.45-69.5)^2+(59.65-51.65)^2+(84.2-85.6)^2+(75.5-55.5)^2+(91-79.75)^2+(69.6-74.5)^2+(90-68.15)^2+(89-77.45)^2+(90.25-50.65)^2+(90.25-81.65)^2+(74.75-67.35)^2+(81.05-85.4)^2+(81.25-76.1)^2+(84.45-85.75)^2+(73.75-76.6)^2+(81.25-92.75)^2+(84.4-62.75)^2+(92-78.95)^2+(94.7-82.7)^2+(79.15-77.5)^2+(87.25-77.65)^2+(79.75-85.2)^2+(88.25-89.65)^2+(96.7-77.95)^2+(80.4-64)^2+(89.75-58.2)^2+(85.77-77.75)^2+(77.4-84.25)^2)$$

$$= 81.36$$

Proses Perhitungan Data Euclidean Distance ke-61

$$(d) = \text{SQRT}((76.6-73.65)^2+(84.25-77.55)^2+(89.45-73.9)^2+(80.37-63.18)^2+(86.25-69.5)^2+(80.1-51.65)^2+(88.2-85.6)^2+(89.1-55.5)^2+(80.2-79.75)^2+(67.35-74.5)^2+(89.25-68.15)^2+(88-77.45)^2+(84.45-50.65)^2+(90.6-81.65)^2+(62.45-67.35)^2+(82.65-85.4)^2+(85.75-76.1)^2+(81.5-85.75)^2+(84.95-76.6)^2+(87.55-92.75)^2+(76.7-62.75)^2+(80.3-78.95)^2+(84.3-82.7)^2+(74.75-77.5)^2+(70.75-77.65)^2+(85-85.2)^2+(82.5-89.65)^2+(87.25-77.95)^2+(84.5-64)^2+(85.3-58.2)^2+(91.5-77.75)^2+(85.4-84.25)^2)$$

$$= 81.38$$

Proses Perhitungan Data Euclidean Distance ke-62

$$(d) = \text{SQRT}((91.13-73.65)^2+(79.5-77.55)^2+(93.1-73.9)^2+(75.95-63.18)^2+(88-69.5)^2+(83.1-51.65)^2+(81.5-85.6)^2+(81.25-55.5)^2+(91.1-79.75)^2+(88.5-74.5)^2+(73.45-68.15)^2+(85.9-77.45)^2+(87.95-50.65)^2+(89.6-81.65)^2+(83.35-67.35)^2+(92.4-85.4)^2+(85.85-76.1)^2+(90.95-85.75)^2+(85.05-76.6)^2+(88.75-92.75)^2+(79.8-62.75)^2+(88.55-78.95)^2+(85-82.7)^2+(86.75-77.5)^2+(87.95-77.65)^2+(85.65-85.2)^2+(83.45-89.65)^2+(86.25-77.95)^2+(77.9-64)^2+(80.45-58.2)^2+(71-77.75)^2+(81.65-84.25)^2)$$

$$= 81.69$$

Proses Perhitungan Data Euclidean Distance ke-63

$$(d) = \text{SQRT}((81.1-73.65)^2+(81.1-77.55)^2+(83.25-73.9)^2+(69.83-63.18)^2+(88-69.5)^2+(73.75-51.65)^2+(88.35-85.6)^2+(89.2-55.5)^2+(88-79.75)^2+(73.7-74.5)^2+(84.6-68.15)^2+(80.25-77.45)^2+(86-50.65)^2+(86.2-81.65)^2+(90.75-67.35)^2+(83.65-85.4)^2+(87.1-76.1)^2+(75.35-85.75)^2+(79-76.6)^2+(80.85-92.75)^2+(76.85-62.75)^2+(81.95-78.95)^2+(75.75-82.7)^2+(80.1-77.5)^2+(84.7-77.65)^2+(70.45-85.2)^2+(66.95-89.65)^2+(68.5-77.95)^2+(83.55-64)^2+(78.2-58.2)^2+(73.25-77.75)^2+(79.15-84.25)^2)$$

$$= 81.74$$

Proses Perhitungan Data Euclidean Distance ke-64

$$(d) = \text{SQRT}((81.3-73.65)^2+(87-77.55)^2+(85.75-73.9)^2+(77.2-63.18)^2+(64.84-69.5)^2+(74-51.65)^2+(86.1-85.6)^2+(89-55.5)^2+(89.75-79.75)^2+(78.75-74.5)^2+(80.9-68.15)^2+(79.75-77.45)^2+(82.5-50.65)^2+(84.55-81.65)^2+(66.18-67.35)^2+(83.45-85.4)^2+(77.15-76.1)^2+(80.5-85.75)^2+(83.25-76.6)^2+(79.5-92.75)^2+(96.5-62.75)^2+(80.25-78.95)^2+(86.75-82.7)^2+(85-77.5)^2+(85.4-77.65)^2+(85.25-85.2)^2+(80.5-89.65)^2+(97.75-77.95)^2+(81.6-64)^2+(87.25-58.2)^2+(86.19-77.75)^2+(79.5-84.25)^2)$$

$$= 81.78$$

Proses Perhitungan Data Euclidean Distance ke-65

$$(d) = \text{SQRT}((82.5-73.65)^2+(85.15-77.55)^2+(86.45-73.9)^2+(67.29-63.18)^2+(86.75-69.5)^2+(89.55-51.65)^2+(82.65-85.6)^2+(86.1-55.5)^2+(83.7-79.75)^2+(80-74.5)^2+(81.25-68.15)^2+(77.45-77.45)^2+(86-50.65)^2+(89.05-81.65)^2+(90-67.35)^2+(83-85.4)^2+(87.8-76.1)^2+(77.6-85.75)^2+(84.25-76.6)^2+(88.3-92.75)^2+(81.6-62.75)^2+(80.5-78.95)^2+(88.5-82.7)^2+(85-77.5)^2+(77.25-77.65)^2+(82.3-85.2)^2+(77.5-89.65)^2+(80.55-77.95)^2+(71-64)^2+(81.25-58.2)^2+(90.75-77.75)^2+(78.5-84.25)^2)$$

$$= 81.88$$

Proses Perhitungan Data Euclidean Distance ke-66

$$(d) = \text{SQRT}((83.35-73.65)^2+(84.25-77.55)^2+(83.95-73.9)^2+(72.2-63.18)^2+(81.7-69.5)^2+(78.4-51.65)^2+(85.9-85.6)^2+(89.45-55.5)^2+(83.45-79.75)^2+(98.95-74.5)^2+(87.2-68.15)^2+(81.75-77.45)^2+(74.95-50.65)^2+(88.8-81.65)^2+(82.7-67.35)^2+(83.7-85.4)^2+(85.65-76.1)^2+(80.65-85.75)^2+(72-76.6)^2+(95.05-92.75)^2+(83-62.75)^2+(84.95-78.95)^2+(86.8-82.7)^2+(78.45-77.5)^2+(80.85-77.65)^2+(83-85.2)^2+(76.6-89.65)^2+(94.2-77.95)^2+(87.6-64)^2+(88.7-58.2)^2+(83.28-77.75)^2+(86.55-84.25)^2)$$

$$= 82.41$$

Proses Perhitungan Data Euclidean Distance ke-67

$$(d) = \text{SQRT}((89-73.65)^2+(85.7-77.55)^2+(90.3-73.9)^2+(69.16-63.18)^2+(86-69.5)^2+(76-51.65)^2+(85.85-85.6)^2+(83.5-55.5)^2+(78.1-79.75)^2+(91.95-74.5)^2+(89.1-68.15)^2+(88.75-77.45)^2+(80.25-50.65)^2+(78.2-81.65)^2+(83.75-67.35)^2+(79.9-85.4)^2+(83-76.1)^2+(80.3-85.75)^2+(69.1-76.6)^2+(61.5-92.75)^2+(78.55-62.75)^2+(83.7-78.95)^2+(90.05-82.7)^2+(82.2-77.5)^2+(88.25-77.65)^2+(94.45-85.2)^2+(76.95-89.65)^2+(92.4-77.95)^2+(71.55-64)^2+(73.85-58.2)^2+(66-77.75)^2+(79.5-84.25)^2)$$

$$= 82.50$$

Proses Perhitungan Data Euclidean Distance ke-68

$$(d) = \text{SQRT}((82.5-73.65)^2+(89.4-77.55)^2+(74.55-73.9)^2+(75.9-63.18)^2+(80-69.5)^2+(94.3-51.65)^2+(81.85-85.6)^2+(83.35-55.5)^2+(83.25-79.75)^2+(77.95-74.5)^2+(81.95-68.15)^2+(81.25-77.45)^2+(74.5-50.65)^2+(87.4-81.65)^2+(83-67.35)^2+(83.45-85.4)^2+(78.2-76.1)^2+(91-85.75)^2+(78.65-76.6)^2+(85.15-92.75)^2+(79.35-62.75)^2+(81.45-78.95)^2+(85.75-82.7)^2+(91.55-77.5)^2+(83.15-77.65)^2+(86.75-85.2)^2+(69.95-89.65)^2+(91-77.95)^2+(87.75-64)^2+(87.25-58.2)^2+(82.25-77.75)^2+(89.45-84.25)^2)$$

$$= 82.51$$

Proses Perhitungan Data Euclidean Distance ke-69

$$(d) = \text{SQRT}((76.15-73.65)^2+(57.95-77.55)^2+(87.35-73.9)^2+(82.4-63.18)^2+(74.25-69.5)^2+(65.7-51.65)^2+(84.7-85.6)^2+(92.65-55.5)^2+(84.55-79.75)^2+(83.75-74.5)^2+(88.55-68.15)^2+(75.9-77.45)^2+(87.05-50.65)^2+(88.7-81.65)^2+(81.25-67.35)^2+(78.5-85.4)^2+(67.15-76.1)^2+(80.5-85.75)^2+(82.5-76.6)^2+(85-92.75)^2+(71.05-62.75)^2+(73.05-78.95)^2+(88.5-82.7)^2+(81.2-$$

$$77.5)^2+(93.95-77.65)^2+(63.35-85.2)^2+(84.65-89.65)^2+(91.5-77.95)^2+(65.7-64)^2+(85-58.2)^2+(82.1-77.75)^2+(74.45-84.25)^2)$$

$$= 82.62$$

Proses Perhitungan Data Euclidean Distance ke-70

$$(d) = \text{SQRT}((87.75-73.65)^2+(78.75-77.55)^2+(93.1-73.9)^2+(76.25-63.18)^2+(75.15-69.5)^2+(63.7-51.65)^2+(85.45-85.6)^2+(83.35-55.5)^2+(90.75-79.75)^2+(72.15-74.5)^2+(91.5-68.15)^2+(91.5-77.45)^2+(92.5-50.65)^2+(90.05-81.65)^2+(86.1-67.35)^2+(79.1-85.4)^2+(80.4-76.1)^2+(83-85.75)^2+(78.1-76.6)^2+(91.25-92.75)^2+(77.6-62.75)^2+(80.05-78.95)^2+(86.95-82.7)^2+(91.25-77.5)^2+(75.85-77.65)^2+(85.25-85.2)^2+(92.75-89.65)^2+(91.5-77.95)^2+(86.7-64)^2+(87.25-58.2)^2+(75.15-77.75)^2+(77-84.25)^2)$$

$$= 82.76$$

Proses Perhitungan Data Euclidean Distance ke-71

$$(d) = \text{SQRT}((82.5-73.65)^2+(92-77.55)^2+(89-73.9)^2+(77.58-63.18)^2+(64.26-69.5)^2+(75.38-51.65)^2+(87.95-85.6)^2+(88.3-55.5)^2+(87.05-79.75)^2+(96.05-74.5)^2+(86.75-68.15)^2+(80.2-77.45)^2+(87.05-50.65)^2+(87.9-81.65)^2+(84.5-67.35)^2+(95.7-85.4)^2+(81.7-76.1)^2+(84.5-85.75)^2+(84.95-76.6)^2+(87.5-92.75)^2+(70.75-62.75)^2+(82.35-78.95)^2+(88.7-82.7)^2+(91.5-77.5)^2+(93.75-77.65)^2+(90.85-85.2)^2+(84.65-89.65)^2+(91.5-77.95)^2+(79.15-64)^2+(84.35-58.2)^2+(80.7-77.75)^2+(81.35-84.25)^2)$$

$$= 83.05$$

Proses Perhitungan Data Euclidean Distance ke-72

$$(d) = \text{SQRT}((79.75-73.65)^2+(86.4-77.55)^2+(98.4-73.9)^2+(73.78-63.18)^2+(80.5-69.5)^2+(80.75-51.65)^2+(88.95-85.6)^2+(85.1-55.5)^2+(86.55-79.75)^2+(88.9-74.5)^2+(89.2-68.15)^2+(91.85-77.45)^2+(72.25-50.65)^2+(88.85-81.65)^2+(82.7-67.35)^2+(88.25-85.4)^2+(81.15-76.1)^2+(81.85-85.75)^2+(68.75-76.6)^2+(89.2-92.75)^2+(82.9-62.75)^2+(89-78.95)^2+(86.4-82.7)^2+(84.7-77.5)^2+(83.2-77.65)^2+(99.1-85.2)^2+(83.45-89.65)^2+(91.5-77.95)^2+(88.75-64)^2+(83.7-58.2)^2+(87.9-77.75)^2+(91.8-84.25)^2)$$

$$= 83.10$$

Proses Perhitungan Data Euclidean Distance ke-73

$$(d) = \text{SQRT}((83.75-73.65)^2+(89.75-77.55)^2+(79.25-73.9)^2+(75.96-63.18)^2+(88.3-69.5)^2+(89.25-51.65)^2+(88.3-85.6)^2+(86.95-55.5)^2+(84.8-79.75)^2+(81.7-74.5)^2+(89.8-68.15)^2+(77.15-77.45)^2+(77-50.65)^2+(83-81.65)^2+(78.25-67.35)^2+(89-$$

$$85.4)^2+(84.75-76.1)^2+(77.6-85.75)^2+(85.7-76.6)^2+(87.25-92.75)^2+(74.05-62.75)^2+(78.75-78.95)^2+(64.58-82.7)^2+(87.95-77.5)^2+(83.7-77.65)^2+(78.85-85.2)^2+(83.95-89.65)^2+(80.6-77.95)^2+(84.95-64)^2+(88.5-58.2)^2+(80.37-77.75)^2+(79-84.25)^2)$$

$$= 83.11$$

Proses Perhitungan Data Euclidean Distance ke-74

$$(d) = \text{SQRT}((82.5-73.65)^2+(73.88-77.55)^2+(97.48-73.9)^2+(69.43-63.18)^2+(78.9-69.5)^2+(83.5-51.65)^2+(83.9-85.6)^2+(78.2-55.5)^2+(86.7-79.75)^2+(80.7-74.5)^2+(83.45-68.15)^2+(80.45-77.45)^2+(77.75-50.65)^2+(82.5-81.65)^2+(70.53-67.35)^2+(91.9-85.4)^2+(76-76.1)^2+(78.85-85.75)^2+(86.2-76.6)^2+(65.25-92.75)^2+(80.95-62.75)^2+(89.75-78.95)^2+(72.3-82.7)^2+(86.4-77.5)^2+(88.75-77.65)^2+(95-85.2)^2+(81.75-89.65)^2+(86.55-77.95)^2+(80.8-64)^2+(94.85-58.2)^2+(78.6-77.75)^2+(84.55-84.25)^2)$$

$$= 83.30$$

Proses Perhitungan Data Euclidean Distance ke-75

$$(d) = \text{SQRT}((80.05-73.65)^2+(75.95-77.55)^2+(89.85-73.9)^2+(84.05-63.18)^2+(82.88-69.5)^2+(68.5-51.65)^2+(86.4-85.6)^2+(92.25-55.5)^2+(84.75-79.75)^2+(93.75-74.5)^2+(84.7-68.15)^2+(74.05-77.45)^2+(87.05-50.65)^2+(84.25-81.65)^2+(82-67.35)^2+(91.9-85.4)^2+(71.65-76.1)^2+(80.25-85.75)^2+(81.45-76.6)^2+(84.25-92.75)^2+(80.1-62.75)^2+(80.42-78.95)^2+(90.5-82.7)^2+(89.5-77.5)^2+(93.95-77.65)^2+(85.3-85.2)^2+(84.65-89.65)^2+(91.5-77.95)^2+(80.7-64)^2+(84.75-58.2)^2+(75.7-77.75)^2+(79.75-84.25)^2)$$

$$= 83.39$$

Proses Perhitungan Data Euclidean Distance ke-76

$$(d) = \text{SQRT}((80.2-73.65)^2+(81.8-77.55)^2+(87.95-73.9)^2+(77.85-63.18)^2+(73.75-69.5)^2+(76.25-51.65)^2+(87.25-85.6)^2+(84.15-55.5)^2+(83.25-79.75)^2+(80.05-74.5)^2+(90.3-68.15)^2+(76.15-77.45)^2+(86-50.65)^2+(85.4-81.65)^2+(94.5-67.35)^2+(89.35-85.4)^2+(70.3-76.1)^2+(83.85-85.75)^2+(80.05-76.6)^2+(85-92.75)^2+(88.6-62.75)^2+(82-78.95)^2+(66.15-82.7)^2+(86.75-77.5)^2+(81.55-77.65)^2+(74.75-85.2)^2+(86.5-89.65)^2+(89.45-77.95)^2+(68.73-64)^2+(92-58.2)^2+(83-77.75)^2+(79.8-84.25)^2)$$

$$= 84.24$$

Proses Perhitungan Data Euclidean Distance ke-77

$$(d) = \text{SQRT}((84.05-73.65)^2+(85.55-77.55)^2+(85.6-73.9)^2+(91.5-63.18)^2+(85.5-69.5)^2+(66.75-51.65)^2+(86.05-85.6)^2+(92.95-$$

$$55.5)^2+(82.75-79.75)^2+(85.35-74.5)^2+(85.9-68.15)^2+(78.25-77.45)^2+(87-50.65)^2+(86.5-81.65)^2+(76.25-67.35)^2+(76.5-85.4)^2+(90.75-76.1)^2+(85.5-85.75)^2+(91.15-76.6)^2+(93.75-92.75)^2+(77.7-62.75)^2+(82.55-78.95)^2+(91-82.7)^2+(84.45-77.5)^2+(85.75-77.65)^2+(90.5-85.2)^2+(95-89.65)^2+(83.5-77.95)^2+(85.1-64)^2+(85.75-58.2)^2+(83-77.75)^2+(88.25-84.25)^2)$$

$$= 84.41$$

Proses Perhitungan Data Euclidean Distance ke-78

$$(d) = \text{SQRT}((88.85-73.65)^2+(78.75-77.55)^2+(93.05-73.9)^2+(73.5-63.18)^2+(87.5-69.5)^2+(91-51.65)^2+(87.75-85.6)^2+(86-55.5)^2+(86.65-79.75)^2+(90.05-74.5)^2+(72-68.15)^2+(88.3-77.45)^2+(84.65-50.65)^2+(84.8-81.65)^2+(85.75-67.35)^2+(92-85.4)^2+(90.8-76.1)^2+(82.95-85.75)^2+(84.7-76.6)^2+(87.8-92.75)^2+(85.05-62.75)^2+(83.75-78.95)^2+(83.25-82.7)^2+(86.8-77.5)^2+(83.25-77.65)^2+(86.9-85.2)^2+(78.4-89.65)^2+(87.25-77.95)^2+(83.6-64)^2+(72.5-58.2)^2+(77.25-77.75)^2+(81.5-84.25)^2)$$

$$= 85.13$$

Proses Perhitungan Data Euclidean Distance ke-79

$$(d) = \text{SQRT}((84.45-73.65)^2+(71-77.55)^2+(91.9-73.9)^2+(84.35-63.18)^2+(82.88-69.5)^2+(74.5-51.65)^2+(88.35-85.6)^2+(94-55.5)^2+(84.75-79.75)^2+(90.5-74.5)^2+(85.15-68.15)^2+(75.75-77.45)^2+(87.05-50.65)^2+(86.8-81.65)^2+(83.5-67.35)^2+(89.45-85.4)^2+(74.95-76.1)^2+(85.7-85.75)^2+(81.45-76.6)^2+(86-92.75)^2+(78.4-62.75)^2+(80.42-78.95)^2+(92.45-82.7)^2+(88.45-77.5)^2+(93.95-77.65)^2+(76.15-85.2)^2+(81.15-89.65)^2+(91.5-77.95)^2+(70.7-64)^2+(84.55-58.2)^2+(73.2-77.75)^2+(78.3-84.25)^2)$$

$$= 85.18$$

Proses Perhitungan Data Euclidean Distance ke-80

$$(d) = \text{SQRT}((82-73.65)^2+(92-77.55)^2+(85-73.9)^2+(77.35-63.18)^2+(76.19-69.5)^2+(81.63-51.65)^2+(82.26-85.6)^2+(88.3-55.5)^2+(90.1-79.75)^2+(63.9-74.5)^2+(85-68.15)^2+(91-77.45)^2+(85.8-50.65)^2+(85.85-81.65)^2+(81.45-67.35)^2+(83.5-85.4)^2+(74.95-76.1)^2+(77.45-85.75)^2+(86.55-76.6)^2+(87.75-92.75)^2+(72.65-62.75)^2+(89.5-78.95)^2+(72.48-82.7)^2+(91.5-77.5)^2+(74.5-77.65)^2+(93.5-85.2)^2+(83-89.65)^2+(76.6-77.95)^2+(83.25-64)^2+(94.75-58.2)^2+(78.38-77.75)^2+(78.9-84.25)^2)$$

$$= 85.67$$

Proses Perhitungan Data Euclidean Distance ke-81

$$(d) = \text{SQRT}((92.25-73.65)^2+(73.95-77.55)^2+(84.25-73.9)^2+(78.42-63.18)^2+(88.6-69.5)^2+(91-51.65)^2+(85-85.6)^2+(89.05-55.5)^2+(83.5-79.75)^2+(78.7-74.5)^2+(74.5-68.15)^2+(80-77.45)^2+(87.05-50.65)^2+(94.45-81.65)^2+(90.75-67.35)^2+(87.1-85.4)^2+(86-76.1)^2+(79.2-85.75)^2+(71.25-76.6)^2+(87.95-92.75)^2+(78-62.75)^2+(85.55-78.95)^2+(81.71-82.7)^2+(83.75-77.5)^2+(86.95-77.65)^2+(85.25-85.2)^2+(86.25-89.65)^2+(81.6-77.95)^2+(76.55-64)^2+(84.15-58.2)^2+(82.75-77.75)^2+(77.25-84.25)^2)$$

$$= 85.91$$

Proses Perhitungan Data Euclidean Distance ke-82

$$(d) = \text{SQRT}((76.6-73.65)^2+(85-77.55)^2+(89.2-73.9)^2+(75.22-63.18)^2+(75.88-69.5)^2+(81-51.65)^2+(82.61-85.6)^2+(89.75-55.5)^2+(83.8-79.75)^2+(94.2-74.5)^2+(91.2-68.15)^2+(83.35-77.45)^2+(80.45-50.65)^2+(86.4-81.65)^2+(87.45-67.35)^2+(85.5-85.4)^2+(81.4-76.1)^2+(82.5-85.75)^2+(90.55-76.6)^2+(84.3-92.75)^2+(82.3-62.75)^2+(85.4-78.95)^2+(89-82.7)^2+(94-77.5)^2+(94.75-77.65)^2+(86.05-85.2)^2+(97-89.65)^2+(87.5-77.95)^2+(79.36-64)^2+(87.35-58.2)^2+(85.53-77.75)^2+(86-84.25)^2)$$

$$= 86.26$$

Proses Perhitungan Data Euclidean Distance ke-83

$$(d) = \text{SQRT}((81.75-73.65)^2+(83.45-77.55)^2+(88.2-73.9)^2+(70.56-63.18)^2+(87.05-69.5)^2+(87.45-51.65)^2+(86.15-85.6)^2+(86.65-55.5)^2+(93.7-79.75)^2+(85.4-74.5)^2+(94.5-68.15)^2+(80-77.45)^2+(86-50.65)^2+(88.6-81.65)^2+(83.5-67.35)^2+(88.5-85.4)^2+(87.1-76.1)^2+(78.5-85.75)^2+(79.5-76.6)^2+(84.6-92.75)^2+(81.8-62.75)^2+(83-78.95)^2+(94.75-82.7)^2+(85.6-77.5)^2+(87.55-77.65)^2+(93.75-85.2)^2+(95-89.65)^2+(80.9-77.95)^2+(80.35-64)^2+(82.5-58.2)^2+(87.1-77.75)^2+(84-84.25)^2)$$

$$= 86.57$$

Proses Perhitungan Data Euclidean Distance ke-84

$$(d) = \text{SQRT}((79.95-73.65)^2+(77.5-77.55)^2+(86-73.9)^2+(73.89-63.18)^2+(81.75-69.5)^2+(67.75-51.65)^2+(80.36-85.6)^2+(84.25-55.5)^2+(84.75-79.75)^2+(89.25-74.5)^2+(91.8-68.15)^2+(83.1-77.45)^2+(88.5-50.65)^2+(72.75-81.65)^2+(85.3-67.35)^2+(80.25-85.4)^2+(81.4-76.1)^2+(82.4-85.75)^2+(78.85-76.6)^2+(73.55-92.75)^2+(90.2-62.75)^2+(84.75-78.95)^2+(83.75-82.7)^2+(68.2-77.5)^2+(81.9-77.65)^2+(92.2-85.2)^2+(79.25-89.65)^2+(81.95-77.95)^2+(83.7-64)^2+(93.85-58.2)^2+(88.15-77.75)^2+(84.55-84.25)^2)$$

$$= 86.63$$

Proses Perhitungan Data Euclidean Distance ke-85

$$(d) = \text{SQRT}((85.75-73.65)^2+(81.6-77.55)^2+(89.55-73.9)^2+(74.59-63.18)^2+(83.75-69.5)^2+(81-51.65)^2+(88.75-85.6)^2+(85-55.5)^2+(80.85-79.75)^2+(92.45-74.5)^2+(93.4-68.15)^2+(90-77.45)^2+(79.5-50.65)^2+(83-81.65)^2+(82.5-67.35)^2+(84.95-85.4)^2+(83-76.1)^2+(82.55-85.75)^2+(76.82-76.6)^2+(70.05-92.75)^2+(80.55-62.75)^2+(90-78.95)^2+(91.7-82.7)^2+(87-77.5)^2+(81-77.65)^2+(91.75-85.2)^2+(86.75-89.65)^2+(85.45-77.95)^2+(84.15-64)^2+(91.6-58.2)^2+(84.5-77.75)^2+(86.2-84.25)^2)$$

$$= 86.82$$

Proses Perhitungan Data Euclidean Distance ke-86

$$(d) = \text{SQRT}((82.45-73.65)^2+(71-77.55)^2+(88.85-73.9)^2+(87.65-63.18)^2+(92.13-69.5)^2+(65.2-51.65)^2+(84.65-85.6)^2+(93.5-55.5)^2+(84.75-79.75)^2+(79.35-74.5)^2+(86.15-68.15)^2+(80.25-77.45)^2+(86-50.65)^2+(86.2-81.65)^2+(83.5-67.35)^2+(92.7-85.4)^2+(65.15-76.1)^2+(81.25-85.75)^2+(82.5-76.6)^2+(87.5-92.75)^2+(79.3-62.75)^2+(82.9-78.95)^2+(93.5-82.7)^2+(87.75-77.5)^2+(95-77.65)^2+(93.65-85.2)^2+(95.15-89.65)^2+(91.5-77.95)^2+(83.3-64)^2+(84.25-58.2)^2+(87.25-77.75)^2+(76.95-84.25)^2)$$

$$= 86.85$$

Proses Perhitungan Data Euclidean Distance ke-87

$$(d) = \text{SQRT}((83.05-73.65)^2+(86.25-77.55)^2+(77.7-73.9)^2+(76.23-63.18)^2+(91.8-69.5)^2+(85-51.65)^2+(86.6-85.6)^2+(86.45-55.5)^2+(86.75-79.75)^2+(90.4-74.5)^2+(91.5-68.15)^2+(78.75-77.45)^2+(69.5-50.65)^2+(93.25-81.65)^2+(83.5-67.35)^2+(91.25-85.4)^2+(83.5-76.1)^2+(77.65-85.75)^2+(78-76.6)^2+(87.75-92.75)^2+(84.05-62.75)^2+(90.75-78.95)^2+(84.51-82.7)^2+(84.7-77.5)^2+(80.75-77.65)^2+(85.05-85.2)^2+(64.25-89.65)^2+(80.6-77.95)^2+(86.25-64)^2+(90.2-58.2)^2+(72.15-77.75)^2+(78-84.25)^2)$$

$$= 87.16$$

Proses Perhitungan Data Euclidean Distance ke-88

$$(d) = \text{SQRT}((87.1-73.65)^2+(88.7-77.55)^2+(89.7-73.9)^2+(74.74-63.18)^2+(86.25-69.5)^2+(79.5-51.65)^2+(81-85.6)^2+(87.5-55.5)^2+(80.35-79.75)^2+(92.45-74.5)^2+(90.55-68.15)^2+(90-77.45)^2+(82.5-50.65)^2+(80.35-81.65)^2+(82.5-67.35)^2+(84.05-85.4)^2+(86.75-76.1)^2+(78.05-85.75)^2+(79.57-76.6)^2+(79.45-92.75)^2+(80.55-62.75)^2+(85.95-78.95)^2+(93.7-82.7)^2+(82.5-77.5)^2+(80.5-77.65)^2+(91-85.2)^2+(86.75-89.65)^2+(84.3-77.95)^2+(81.1-64)^2+(93.45-58.2)^2+(86.49-77.75)^2+(89.25-84.25)^2)$$

$$= 87.27$$

Proses Perhitungan Data Euclidean Distance ke-89

$$(d) = \text{SQRT}((87.75-73.65)^2+(86.1-77.55)^2+(89.75-73.9)^2+(74.51-63.18)^2+(70.75-69.5)^2+(78.2-51.65)^2+(87.75-85.6)^2+(87-55.5)^2+(84.7-79.75)^2+(92.7-74.5)^2+(91.8-68.15)^2+(90-77.45)^2+(82.5-50.65)^2+(84.25-81.65)^2+(82.5-67.35)^2+(85.35-85.4)^2+(85.4-76.1)^2+(81.55-85.75)^2+(82.82-76.6)^2+(81.8-92.75)^2+(84.4-62.75)^2+(85.95-78.95)^2+(93.7-82.7)^2+(91.25-77.5)^2+(77-77.65)^2+(89.05-85.2)^2+(85.5-89.65)^2+(88.6-77.95)^2+(83.35-64)^2+(92.85-58.2)^2+(87.66-77.75)^2+(89.8-84.25)^2)$$

$$= 87.28$$

Proses Perhitungan Data Euclidean Distance ke-90

$$(d) = \text{SQRT}((86.15-73.65)^2+(84.25-77.55)^2+(88.7-73.9)^2+(73.84-63.18)^2+(88.7-69.5)^2+(78.9-51.65)^2+(87.95-85.6)^2+(85.05-55.5)^2+(78.6-79.75)^2+(69.1-74.5)^2+(82.15-68.15)^2+(90.25-77.45)^2+(81.6-50.65)^2+(75.85-81.65)^2+(55.4-67.35)^2+(79.6-85.4)^2+(86-76.1)^2+(82.65-85.75)^2+(76.35-76.6)^2+(74.2-92.75)^2+(88.7-62.75)^2+(82.65-78.95)^2+(93.8-82.7)^2+(79.9-77.5)^2+(82.05-77.65)^2+(84.25-85.2)^2+(85-89.65)^2+(97.75-77.95)^2+(82.65-64)^2+(93.85-58.2)^2+(92.25-77.75)^2+(87.1-84.25)^2)$$

$$= 87.30$$

Proses Perhitungan Data Euclidean Distance ke-91

$$(d) = \text{SQRT}((90.9-73.65)^2+(82.75-77.55)^2+(93.05-73.9)^2+(71.09-63.18)^2+(89-69.5)^2+(77.25-51.65)^2+(85.5-85.6)^2+(85.75-55.5)^2+(83.5-79.75)^2+(92.2-74.5)^2+(94.2-68.15)^2+(90-77.45)^2+(89-50.65)^2+(81.6-81.65)^2+(79-67.35)^2+(80.35-85.4)^2+(83-76.1)^2+(75.85-85.75)^2+(75.77-76.6)^2+(82.45-92.75)^2+(80.55-62.75)^2+(86.75-78.95)^2+(88.45-82.7)^2+(81.45-77.5)^2+(80-77.65)^2+(89.05-85.2)^2+(86-89.65)^2+(83.15-77.95)^2+(75.45-64)^2+(93.2-58.2)^2+(84.17-77.75)^2+(88.8-84.25)^2)$$

$$= 87.51$$

Proses Perhitungan Data Euclidean Distance ke-92

$$(d) = \text{SQRT}((88.45-73.65)^2+(83.55-77.55)^2+(84.25-73.9)^2+(75.44-63.18)^2+(91.5-69.5)^2+(73.25-51.65)^2+(86.05-85.6)^2+(80.15-55.5)^2+(86.25-79.75)^2+(67.7-74.5)^2+(91.2-68.15)^2+(88.65-77.45)^2+(90.75-50.65)^2+(75.25-81.65)^2+(77-67.35)^2+(82.5-85.4)^2+(85.25-76.1)^2+(84.65-85.75)^2+(84.5-76.6)^2+(91.5-92.75)^2+(84.4-62.75)^2+(93.25-78.95)^2+(90.5-82.7)^2+(96.75-$$

$$77.5)^2+(88-77.65)^2+(87.55-85.2)^2+(90.9-89.65)^2+(91.5-77.95)^2+(87.75-64)^2+(88.25-58.2)^2+(86.58-77.75)^2+(80.7-84.25)^2)$$

$$= 87.61$$

Proses Perhitungan Data Euclidean Distance ke-93

$$(d) = \text{SQRT}((89.3-73.65)^2+(81.3-77.55)^2+(90.9-73.9)^2+(76.77-63.18)^2+(91.5-69.5)^2+(82-51.65)^2+(86.45-85.6)^2+(90.45-55.5)^2+(84.55-79.75)^2+(90.9-74.5)^2+(93.25-68.15)^2+(88.35-77.45)^2+(78.95-50.65)^2+(86.7-81.65)^2+(81.45-67.35)^2+(85.5-85.4)^2+(81.95-76.1)^2+(79.55-85.75)^2+(77.32-76.6)^2+(79.55-92.75)^2+(82.3-62.75)^2+(83.95-78.95)^2+(92.2-82.7)^2+(85.95-77.5)^2+(80.4-77.65)^2+(88.75-85.2)^2+(84.25-89.65)^2+(81.85-77.95)^2+(77.35-64)^2+(91.8-58.2)^2+(84.83-77.75)^2+(88.05-84.25)^2)$$

$$= 87.63$$

Proses Perhitungan Data Euclidean Distance ke-94

$$(d) = \text{SQRT}((90.9-73.65)^2+(87.2-77.55)^2+(88.3-73.9)^2+(70.72-63.18)^2+(75-69.5)^2+(77.9-51.65)^2+(81.85-85.6)^2+(82.95-55.5)^2+(83.5-79.75)^2+(91.7-74.5)^2+(94-68.15)^2+(88.75-77.45)^2+(80.5-50.65)^2+(95.7-81.65)^2+(83.2-67.35)^2+(84.75-85.4)^2+(83-76.1)^2+(81.4-85.75)^2+(86.32-76.6)^2+(81.75-92.75)^2+(82.65-62.75)^2+(83.75-78.95)^2+(92.7-82.7)^2+(89.25-77.5)^2+(83-77.65)^2+(91.3-85.2)^2+(88.75-89.65)^2+(86.05-77.95)^2+(87.75-64)^2+(93.35-58.2)^2+(93-77.75)^2+(89.6-84.25)^2)$$

$$= 87.86$$

Proses Perhitungan Data Euclidean Distance ke-95

$$(d) = \text{SQRT}((80.15-73.65)^2+(65-77.55)^2+(89.35-73.9)^2+(75.7-63.18)^2+(93.9-69.5)^2+(80.45-51.65)^2+(83.8-85.6)^2+(84.45-55.5)^2+(86.95-79.75)^2+(89.7-74.5)^2+(95.25-68.15)^2+(91.05-77.45)^2+(69.65-50.65)^2+(84.45-81.65)^2+(80.4-67.35)^2+(81.85-85.4)^2+(72.8-76.1)^2+(78.6-85.75)^2+(56.15-76.6)^2+(82.5-92.75)^2+(83.55-62.75)^2+(90.5-78.95)^2+(96.2-82.7)^2+(86.45-77.5)^2+(80.9-77.65)^2+(97-85.2)^2+(89.9-89.65)^2+(91.5-77.95)^2+(89.25-64)^2+(82.05-58.2)^2+(91.35-77.75)^2+(88.35-84.25)^2)$$

$$= 88.15$$

Proses Perhitungan Data Euclidean Distance ke-96

$$(d) = \text{SQRT}((87.25-73.65)^2+(89.75-77.55)^2+(90.7-73.9)^2+(73-63.18)^2+(89.75-69.5)^2+(79.15-51.65)^2+(87.8-85.6)^2+(81.4-55.5)^2+(82.75-79.75)^2+(92.2-74.5)^2+(96.55-68.15)^2+(91.25-77.45)^2+(79.25-50.65)^2+(96.25-81.65)^2+(81.45-67.35)^2+(83.25-$$

$$85.4)^2+(83-76.1)^2+(79.55-85.75)^2+(83.07-76.6)^2+(81-92.75)^2+(80.7-62.75)^2+(86.95-78.95)^2+(85.7-82.7)^2+(84.35-77.5)^2+(84.45-77.65)^2+(91.3-85.2)^2+(82.95-89.65)^2+(84.75-77.95)^2+(86.7-64)^2+(92-58.2)^2+(91.96-77.75)^2+(84.35-84.25)^2$$

$$= 88.60$$

Proses Perhitungan Data Euclidean Distance ke-97

$$(d) = \text{SQRT}((82-73.65)^2+(86-77.55)^2+(76.95-73.9)^2+(80.75-63.18)^2+(77-69.5)^2+(79.75-51.65)^2+(84.85-85.6)^2+(84.25-55.5)^2+(86-79.75)^2+(92.45-74.5)^2+(100-68.15)^2+(85-77.45)^2+(78.75-50.65)^2+(82.45-81.65)^2+(84.75-67.35)^2+(90.9-85.4)^2+(89.7-76.1)^2+(93.25-85.75)^2+(85.25-76.6)^2+(91-92.75)^2+(85.55-62.75)^2+(85.5-78.95)^2+(84-82.7)^2+(91-77.5)^2+(90.65-77.65)^2+(90.25-85.2)^2+(89.65-89.65)^2+(97.75-77.95)^2+(87.5-64)^2+(87.25-58.2)^2+(87.5-77.75)^2+(89-84.25)^2)$$

$$= 88.62$$

Proses Perhitungan Data Euclidean Distance ke-98

$$(d) = \text{SQRT}((82.8-73.65)^2+(94.75-77.55)^2+(83.1-73.9)^2+(79.75-63.18)^2+(50.3-69.5)^2+(85.15-51.65)^2+(84.5-85.6)^2+(79.25-55.5)^2+(83.75-79.75)^2+(79-74.5)^2+(79.95-68.15)^2+(67.75-77.45)^2+(82.25-50.65)^2+(90.35-81.65)^2+(86.7-67.35)^2+(84.25-85.4)^2+(90.5-76.1)^2+(69.4-85.75)^2+(77.88-76.6)^2+(85.25-92.75)^2+(63.65-62.75)^2+(91.7-78.95)^2+(85.65-82.7)^2+(79.45-77.5)^2+(78.75-77.65)^2+(93.45-85.2)^2+(83.5-89.65)^2+(69.95-77.95)^2+(93.65-64)^2+(96.75-58.2)^2+(84.95-77.75)^2+(76.35-84.25)^2)$$

$$= 88.73$$

Proses Perhitungan Data Euclidean Distance ke-99

$$(d) = \text{SQRT}((81.95-73.65)^2+(81.75-77.55)^2+(92.3-73.9)^2+(73.17-63.18)^2+(81.65-69.5)^2+(87.5-51.65)^2+(89.05-85.6)^2+(85.75-55.5)^2+(93.5-79.75)^2+(63.95-74.5)^2+(91.95-68.15)^2+(91.5-77.45)^2+(86-50.65)^2+(81.65-81.65)^2+(84.25-67.35)^2+(83.55-85.4)^2+(73.25-76.1)^2+(95.75-85.75)^2+(81.45-76.6)^2+(86.3-92.75)^2+(77.5-62.75)^2+(88.2-78.95)^2+(94.88-82.7)^2+(87.1-77.5)^2+(75.55-77.65)^2+(89.5-85.2)^2+(90.5-89.65)^2+(90.5-77.95)^2+(86.4-64)^2+(85.95-58.2)^2+(92.5-77.75)^2+(84.55-84.25)^2)$$

$$= 88.74$$

Proses Perhitungan Data Euclidean Distance ke-100

$$(d) = \text{SQRT}((83.6-73.65)^2+(85-77.55)^2+(81.15-73.9)^2+(72.75-63.18)^2+(82.94-69.5)^2+(86.5-51.65)^2+(81.76-85.6)^2+(86.25-$$

$$55.5)^2+(86.05-79.75)^2+(63.5-74.5)^2+(84.6-68.15)^2+(91.5-77.45)^2+(87.05-50.65)^2+(84.2-81.65)^2+(86-67.35)^2+(83-85.4)^2+(72.7-76.1)^2+(87-85.75)^2+(72.15-76.6)^2+(68.45-92.75)^2+(83-62.75)^2+(80.7-78.95)^2+(87.85-82.7)^2+(79.5-77.5)^2+(80.7-77.65)^2+(83.95-85.2)^2+(82-89.65)^2+(94.25-77.95)^2+(78.85-64)^2+(92.2-58.2)^2+(88.75-77.75)^2+(87.75-84.25)^2$$

$$= 88.77$$

Proses Perhitungan Data Euclidean Distance ke-101

$$(d) = \text{SQRT}((88.55-73.65)^2+(84.15-77.55)^2+(85.65-73.9)^2+(84.48-63.18)^2+(91.3-69.5)^2+(78-51.65)^2+(88.9-85.6)^2+(87.3-55.5)^2+(96.9-79.75)^2+(82.95-74.5)^2+(94.65-68.15)^2+(91.85-77.45)^2+(70.25-50.65)^2+(99.25-81.65)^2+(80-67.35)^2+(81-85.4)^2+(77.5-76.1)^2+(85-85.75)^2+(88.23-76.6)^2+(90.75-92.75)^2+(83.55-62.75)^2+(84.35-78.95)^2+(84.45-82.7)^2+(94.5-77.5)^2+(97.25-77.65)^2+(86.4-85.2)^2+(97-89.65)^2+(76.5-77.95)^2+(81.6-64)^2+(88.3-58.2)^2+(88.42-77.75)^2+(88.75-84.25)^2)$$

$$= 88.80$$

Proses Perhitungan Data Euclidean Distance ke-102

$$(d) = \text{SQRT}((79.95-73.65)^2+(68-77.55)^2+(99.7-73.9)^2+(68.96-63.18)^2+(77.15-69.5)^2+(81.5-51.65)^2+(88.5-85.6)^2+(88.2-55.5)^2+(87.65-79.75)^2+(64.05-74.5)^2+(92.5-68.15)^2+(91.5-77.45)^2+(87.05-50.65)^2+(77.4-81.65)^2+(80-67.35)^2+(82.85-85.4)^2+(80.6-76.1)^2+(81-85.75)^2+(82.05-76.6)^2+(84.45-92.75)^2+(80.55-62.75)^2+(92-78.95)^2+(95.75-82.7)^2+(84.1-77.5)^2+(73.5-77.65)^2+(83.5-85.2)^2+(85.75-89.65)^2+(94-77.95)^2+(84-64)^2+(88.75-58.2)^2+(87.5-77.75)^2+(80.25-84.25)^2)$$

$$= 88.93$$

Proses Perhitungan Data Euclidean Distance ke-103

$$(d) = \text{SQRT}((86.75-73.65)^2+(89.05-77.55)^2+(90.25-73.9)^2+(77.78-63.18)^2+(82.7-69.5)^2+(86.7-51.65)^2+(86.9-85.6)^2+(84.95-55.5)^2+(83.9-79.75)^2+(90.5-74.5)^2+(91-68.15)^2+(84.45-77.45)^2+(81.75-50.65)^2+(86.2-81.65)^2+(84.25-67.35)^2+(91.85-85.4)^2+(86.05-76.1)^2+(82-85.75)^2+(82.15-76.6)^2+(91.5-92.75)^2+(87.1-62.75)^2+(85.25-78.95)^2+(85.28-82.7)^2+(86.2-77.5)^2+(94.25-77.65)^2+(92.7-85.2)^2+(82-89.65)^2+(79.55-77.95)^2+(86-64)^2+(84.95-58.2)^2+(93.2-77.75)^2+(82.05-84.25)^2)$$

$$= 88.95$$

Proses Perhitungan Data Euclidean Distance ke-104

$$(d) = \text{SQRT}((81.5-73.65)^2+(82.5-77.55)^2+(88.75-73.9)^2+(75.8-63.18)^2+(73.09-69.5)^2+(82-51.65)^2+(87.5-85.6)^2+(84.25-55.5)^2+(86.6-79.75)^2+(65.9-74.5)^2+(95.25-68.15)^2+(91.5-77.45)^2+(87.05-50.65)^2+(78.95-81.65)^2+(86-67.35)^2+(84.45-85.4)^2+(76.3-76.1)^2+(87.25-85.75)^2+(69.5-76.6)^2+(68.05-92.75)^2+(74.25-62.75)^2+(78.6-78.95)^2+(92.45-82.7)^2+(82.65-77.5)^2+(79.95-77.65)^2+(83.2-85.2)^2+(71.5-89.65)^2+(90.5-77.95)^2+(83.2-64)^2+(92.3-58.2)^2+(85.08-77.75)^2+(90.85-84.25)^2)$$

$$= 89.47$$

Proses Perhitungan Data Euclidean Distance ke-105

$$(d) = \text{SQRT}((87.1-73.65)^2+(80.4-77.55)^2+(91.4-73.9)^2+(74.29-63.18)^2+(89.25-69.5)^2+(83.45-51.65)^2+(87.45-85.6)^2+(81-55.5)^2+(85.5-79.75)^2+(91.7-74.5)^2+(95.8-68.15)^2+(88.05-77.45)^2+(77.95-50.65)^2+(96.75-81.65)^2+(87.25-67.35)^2+(83.35-85.4)^2+(83-76.1)^2+(82.4-85.75)^2+(82.82-76.6)^2+(83.55-92.75)^2+(82.15-62.75)^2+(83.25-78.95)^2+(89.2-82.7)^2+(84.65-77.5)^2+(88.5-77.65)^2+(88.25-85.2)^2+(71.2-89.65)^2+(81.75-77.95)^2+(86.25-64)^2+(85.5-58.2)^2+(94.25-77.75)^2+(72.5-84.25)^2)$$

$$= 89.75$$

Proses Perhitungan Data Euclidean Distance ke-106

$$(d) = \text{SQRT}((83-73.65)^2+(78.75-77.55)^2+(91.55-73.9)^2+(76.43-63.18)^2+(98.95-69.5)^2+(63-51.65)^2+(81.85-85.6)^2+(75.7-55.5)^2+(87.05-79.75)^2+(87.45-74.5)^2+(92.55-68.15)^2+(83-77.45)^2+(96-50.65)^2+(86.7-81.65)^2+(88.6-67.35)^2+(86.25-85.4)^2+(86.9-76.1)^2+(83.55-85.75)^2+(87-76.6)^2+(84.25-92.75)^2+(82.45-62.75)^2+(89.2-78.95)^2+(89.9-82.7)^2+(87.5-77.5)^2+(89.45-77.65)^2+(92.75-85.2)^2+(90.25-89.65)^2+(91.5-77.95)^2+(86.95-64)^2+(85.5-58.2)^2+(86.92-77.75)^2+(82.5-84.25)^2)$$

$$= 89.79$$

Proses Perhitungan Data Euclidean Distance ke-107

$$(d) = \text{SQRT}((85.95-73.65)^2+(86.25-77.55)^2+(82.45-73.9)^2+(78.32-63.18)^2+(89.35-69.5)^2+(91.5-51.65)^2+(84.75-85.6)^2+(90.25-55.5)^2+(75.95-79.75)^2+(90.55-74.5)^2+(90.3-68.15)^2+(87.8-77.45)^2+(80.95-50.65)^2+(88.25-81.65)^2+(85.2-67.35)^2+(94.75-85.4)^2+(84.75-76.1)^2+(85.65-85.75)^2+(72.95-76.6)^2+(86-92.75)^2+(71.75-62.75)^2+(92.1-78.95)^2+(95.01-82.7)^2+(84.7-77.5)^2+(88.5-77.65)^2+(89.3-85.2)^2+(88.5-89.65)^2+(78.75-77.95)^2+(90.7-64)^2+(83.5-58.2)^2+(85.82-77.75)^2+(80.75-84.25)^2)$$

$$= 90.08$$

Proses Perhitungan Data Euclidean Distance ke-108

$$\begin{aligned} \text{(d)} &= \text{SQRT}((82.5-73.65)^2+(85.2-77.55)^2+(88.55-73.9)^2+(74.52- \\ &63.18)^2+(90.25-69.5)^2+(90.25-51.65)^2+(84.75-85.6)^2+(89- \\ &55.5)^2+(86.6-79.75)^2+(87.75-74.5)^2+(90.2-68.15)^2+(75.7- \\ &77.45)^2+(84.95-50.65)^2+(93.9-81.65)^2+(83.75-67.35)^2+(85.75- \\ &85.4)^2+(87.45-76.1)^2+(84.4-85.75)^2+(82.25-76.6)^2+(85.7- \\ &92.75)^2+(82.7-62.75)^2+(80.9-78.95)^2+(91.4-82.7)^2+(83.5- \\ &77.5)^2+(85.15-77.65)^2+(80.9-85.2)^2+(95-89.65)^2+(75.55- \\ &77.95)^2+(83.05-64)^2+(87.25-58.2)^2+(93.5-77.75)^2+(85.1-84.25)^2) \\ &= 90.12 \end{aligned}$$

Proses Perhitungan Data Euclidean Distance ke-109

$$\begin{aligned} \text{(d)} &= \text{SQRT}((85.1-73.65)^2+(78.75-77.55)^2+(77-73.9)^2+(75.46- \\ &63.18)^2+(88.5-69.5)^2+(78.25-51.65)^2+(83.5-85.6)^2+(84.3- \\ &55.5)^2+(87.25-79.75)^2+(79.25-74.5)^2+(92.1-68.15)^2+(89- \\ &77.45)^2+(86.25-50.65)^2+(95-81.65)^2+(74.75-67.35)^2+(80.4- \\ &85.4)^2+(94.2-76.1)^2+(82.7-85.75)^2+(86.25-76.6)^2+(92.5- \\ &92.75)^2+(84.4-62.75)^2+(92-78.95)^2+(94-82.7)^2+(95.7-77.5)^2+(88.25- \\ &77.65)^2+(92.08-85.2)^2+(97-89.65)^2+(92.4-77.95)^2+(93.6- \\ &64)^2+(84.95-58.2)^2+(86.05-77.75)^2+(79.95-84.25)^2) \\ &= 90.20 \end{aligned}$$

Proses Perhitungan Data Euclidean Distance ke-110

$$\begin{aligned} \text{(d)} &= \text{SQRT}((86.85-73.65)^2+(92.1-77.55)^2+(83.7-73.9)^2+(91.9- \\ &63.18)^2+(51-69.5)^2+(76.5-51.65)^2+(84.65-85.6)^2+(80-55.5)^2+(80.15- \\ &79.75)^2+(84.75-74.5)^2+(79.85-68.15)^2+(71.45-77.45)^2+(83.5- \\ &50.65)^2+(88.65-81.65)^2+(81.5-67.35)^2+(78.85-85.4)^2+(88.5- \\ &76.1)^2+(65.9-85.75)^2+(83.63-76.6)^2+(86.15-92.75)^2+(64- \\ &62.75)^2+(96.25-78.95)^2+(84.4-82.7)^2+(83.75-77.5)^2+(71.55- \\ &77.65)^2+(80.4-85.2)^2+(87.25-89.65)^2+(74.45-77.95)^2+(96.75- \\ &64)^2+(96.5-58.2)^2+(83.7-77.75)^2+(81.95-84.25)^2) \\ &= 90.33 \end{aligned}$$

Proses Perhitungan Data Euclidean Distance ke-111

$$\begin{aligned} \text{(d)} &= \text{SQRT}((92.25-73.65)^2+(79.15-77.55)^2+(94-73.9)^2+(71.89- \\ &63.18)^2+(75-69.5)^2+(82.75-51.65)^2+(85.5-85.6)^2+(74-55.5)^2+(82.7- \\ &79.75)^2+(92.7-74.5)^2+(91.8-68.15)^2+(90-77.45)^2+(92- \\ &50.65)^2+(96.75-81.65)^2+(85.5-67.35)^2+(85.75-85.4)^2+(83- \\ &76.1)^2+(79.4-85.75)^2+(83.07-76.6)^2+(75.55-92.75)^2+(82.3- \\ &62.75)^2+(78.7-78.95)^2+(93.45-82.7)^2+(87.7-77.5)^2+(84.75- \\ &77.65)^2+(95.05-85.2)^2+(87.25-89.65)^2+(82.2-77.95)^2+(71.4- \\ &64)^2+(95.35-58.2)^2+(81.49-77.75)^2+(90.7-84.25)^2) \end{aligned}$$

$$= 90.45$$

Proses Perhitungan Data Euclidean Distance ke-112

$$(d) = \text{SQRT}((78.7-73.65)^2+(90.75-77.55)^2+(89.8-73.9)^2+(73.21-63.18)^2+(79.5-69.5)^2+(86.35-51.65)^2+(89.05-85.6)^2+(86.75-55.5)^2+(81.05-79.75)^2+(83.2-74.5)^2+(91.1-68.15)^2+(83-77.45)^2+(85.2-50.65)^2+(83.6-81.65)^2+(79-67.35)^2+(80.85-85.4)^2+(86.05-76.1)^2+(82.15-85.75)^2+(80.05-76.6)^2+(72.5-92.75)^2+(92.1-62.75)^2+(81.75-78.95)^2+(87.61-82.7)^2+(91-77.5)^2+(91.75-77.65)^2+(91.25-85.2)^2+(80.75-89.65)^2+(87.85-77.95)^2+(83.8-64)^2+(86.95-58.2)^2+(90.8-77.75)^2+(82.65-84.25)^2)$$

$$= 90.82$$

Proses Perhitungan Data Euclidean Distance ke-113

$$(d) = \text{SQRT}((91.75-73.65)^2+(79.2-77.55)^2+(91.75-73.9)^2+(79.5-63.18)^2+(84.45-69.5)^2+(84.5-51.65)^2+(87.9-85.6)^2+(81.65-55.5)^2+(79.7-79.75)^2+(65.65-74.5)^2+(79.3-68.15)^2+(83.2-77.45)^2+(86-50.65)^2+(91.25-81.65)^2+(73.25-67.35)^2+(85.2-85.4)^2+(65.9-76.1)^2+(67.65-85.75)^2+(81.45-76.6)^2+(66.9-92.75)^2+(90.4-62.75)^2+(73.15-78.95)^2+(65.93-82.7)^2+(84.65-77.5)^2+(77.75-77.65)^2+(80-85.2)^2+(90.5-89.65)^2+(79.85-77.95)^2+(79.66-64)^2+(92.8-58.2)^2+(76.6-77.75)^2+(84.55-84.25)^2)$$

$$= 90.82$$

Proses Perhitungan Data Euclidean Distance ke-114

$$(d) = \text{SQRT}((81.75-73.65)^2+(51.75-77.55)^2+(90.25-73.9)^2+(75.15-63.18)^2+(70.45-69.5)^2+(84.5-51.65)^2+(86.85-85.6)^2+(86.75-55.5)^2+(94-79.75)^2+(70.8-74.5)^2+(92-68.15)^2+(78.7-77.45)^2+(83.15-50.65)^2+(85.2-81.65)^2+(64.08-67.35)^2+(85.7-85.4)^2+(90.85-76.1)^2+(85.05-85.75)^2+(94.4-76.6)^2+(76.6-92.75)^2+(72.2-62.75)^2+(91.5-78.95)^2+(90.6-82.7)^2+(86.65-77.5)^2+(91.25-77.65)^2+(87.45-85.2)^2+(95-89.65)^2+(91.5-77.95)^2+(84.25-64)^2+(90.5-58.2)^2+(86.9-77.75)^2+(91.95-84.25)^2)$$

$$= 90.85$$

Proses Perhitungan Data Euclidean Distance ke-115

$$(d) = \text{SQRT}((85.75-73.65)^2+(87.75-77.55)^2+(90.05-73.9)^2+(74.74-63.18)^2+(80.85-69.5)^2+(89.75-51.65)^2+(88.5-85.6)^2+(86.45-55.5)^2+(86.65-79.75)^2+(78.25-74.5)^2+(100-68.15)^2+(85.4-77.45)^2+(87.05-50.65)^2+(90.65-81.65)^2+(70.33-67.35)^2+(87.05-85.4)^2+(86.35-76.1)^2+(81.8-85.75)^2+(79.5-76.6)^2+(84.1-92.75)^2+(83.05-62.75)^2+(88.25-78.95)^2+(83.78-82.7)^2+(86.25-$$

$$77.5)^2+(88.7-77.65)^2+(85.5-85.2)^2+(92.75-89.65)^2+(87.3-77.95)^2+(87.1-64)^2+(87.05-58.2)^2+(89-77.75)^2+(80.4-84.25)^2$$

$$= 90.86$$

Proses Perhitungan Data Euclidean Distance ke-116

$$(d) = \text{SQRT}((83.9-73.65)^2+(86.25-77.55)^2+(86.95-73.9)^2+(74.99-63.18)^2+(86.38-69.5)^2+(86.2-51.65)^2+(85.9-85.6)^2+(71.45-55.5)^2+(82.8-79.75)^2+(76.8-74.5)^2+(89.95-68.15)^2+(81.5-77.45)^2+(93.6-50.65)^2+(80.7-81.65)^2+(90-67.35)^2+(77.45-85.4)^2+(90.25-76.1)^2+(74.75-85.75)^2+(86.25-76.6)^2+(75.63-92.75)^2+(72.45-62.75)^2+(90.95-78.95)^2+(91.45-82.7)^2+(92.2-77.5)^2+(85.45-77.65)^2+(83-85.2)^2+(95-89.65)^2+(91.5-77.95)^2+(84.8-64)^2+(92-58.2)^2+(74.65-77.75)^2+(88.5-84.25)^2)$$

$$= 90.94$$

Proses Perhitungan Data Euclidean Distance ke-117

$$(d) = \text{SQRT}((76-73.65)^2+(64.75-77.55)^2+(87.65-73.9)^2+(73.24-63.18)^2+(74.4-69.5)^2+(85.3-51.65)^2+(87.25-85.6)^2+(83.5-55.5)^2+(89.25-79.75)^2+(84.9-74.5)^2+(95.5-68.15)^2+(88.1-77.45)^2+(88.5-50.65)^2+(88.3-81.65)^2+(86.5-67.35)^2+(88.8-85.4)^2+(85.7-76.1)^2+(93.75-85.75)^2+(74.25-76.6)^2+(87.7-92.75)^2+(92.25-62.75)^2+(87.4-78.95)^2+(89.6-82.7)^2+(90.7-77.5)^2+(87.25-77.65)^2+(84.95-85.2)^2+(85.5-89.65)^2+(92.85-77.95)^2+(84.6-64)^2+(85.95-58.2)^2+(87.38-77.75)^2+(88.3-84.25)^2)$$

$$= 91.12$$

Proses Perhitungan Data Euclidean Distance ke-118

$$(d) = \text{SQRT}((82-73.65)^2+(82.5-77.55)^2+(94.05-73.9)^2+(78-63.18)^2+(77.25-69.5)^2+(74.9-51.65)^2+(88.8-85.6)^2+(90.25-55.5)^2+(88.9-79.75)^2+(67.5-74.5)^2+(90.85-68.15)^2+(91.5-77.45)^2+(87.05-50.65)^2+(97.15-81.65)^2+(79.15-67.35)^2+(84.5-85.4)^2+(68.6-76.1)^2+(95.95-85.75)^2+(70.75-76.6)^2+(71-92.75)^2+(75.9-62.75)^2+(79.65-78.95)^2+(91.35-82.7)^2+(84.4-77.5)^2+(75.9-77.65)^2+(85.15-85.2)^2+(70.7-89.65)^2+(92.5-77.95)^2+(82.3-64)^2+(92.35-58.2)^2+(90.67-77.75)^2+(88.95-84.25)^2)$$

$$= 91.19$$

Proses Perhitungan Data Euclidean Distance ke-119

$$(d) = \text{SQRT}((82.3-73.65)^2+(81.18-77.55)^2+(94.25-73.9)^2+(75.24-63.18)^2+(91.38-69.5)^2+(82.25-51.65)^2+(88.65-85.6)^2+(81.15-55.5)^2+(83.75-79.75)^2+(81.2-74.5)^2+(87.15-68.15)^2+(82-77.45)^2+(85.5-50.65)^2+(92.2-81.65)^2+(74.88-67.35)^2+(84.85-$$

$$85.4)^2+(72.15-76.1)^2+(87-85.75)^2+(88.55-76.6)^2+(68.75-92.75)^2+(85.2-62.75)^2+(83.7-78.95)^2+(85.3-82.7)^2+(89.2-77.5)^2+(88.55-77.65)^2+(89.4-85.2)^2+(71.25-89.65)^2+(93.05-77.95)^2+(82.3-64)^2+(95.6-58.2)^2+(84.5-77.75)^2+(85.15-84.25)^2)$$

$$= 91.89$$

Proses Perhitungan Data Euclidean Distance ke-120

$$(d) = \text{SQRT}((89.3-73.65)^2+(82.95-77.55)^2+(90.25-73.9)^2+(71.08-63.18)^2+(85.75-69.5)^2+(77.45-51.65)^2+(85.05-85.6)^2+(90.95-55.5)^2+(85.95-79.75)^2+(92.45-74.5)^2+(92.9-68.15)^2+(90-77.45)^2+(79-50.65)^2+(98-81.65)^2+(87.25-67.35)^2+(85.7-85.4)^2+(85.65-76.1)^2+(80.65-85.75)^2+(80.02-76.6)^2+(80.95-92.75)^2+(80.55-62.75)^2+(85.5-78.95)^2+(92.65-82.7)^2+(87.45-77.5)^2+(86-77.65)^2+(95.05-85.2)^2+(91.5-89.65)^2+(89.85-77.95)^2+(83.55-64)^2+(94.85-58.2)^2+(91.25-77.75)^2+(88.25-84.25)^2)$$

$$= 91.92$$

Proses Perhitungan Data Euclidean Distance ke-121

$$(d) = \text{SQRT}((88.65-73.65)^2+(85-77.55)^2+(98.45-73.9)^2+(76.85-63.18)^2+(100-69.5)^2+(77.25-51.65)^2+(83.2-85.6)^2+(82.25-55.5)^2+(86.4-79.75)^2+(86.9-74.5)^2+(86.2-68.15)^2+(86.75-77.45)^2+(84-50.65)^2+(85.35-81.65)^2+(92.2-67.35)^2+(90.65-85.4)^2+(77.15-76.1)^2+(82.75-85.75)^2+(84.75-76.6)^2+(89.05-92.75)^2+(86.3-62.75)^2+(92.5-78.95)^2+(82.2-82.7)^2+(86.8-77.5)^2+(86.3-77.65)^2+(94.45-85.2)^2+(85.15-89.65)^2+(91.5-77.95)^2+(84.5-64)^2+(89.5-58.2)^2+(81.5-77.75)^2+(80.95-84.25)^2)$$

$$= 91.99$$

Proses Perhitungan Data Euclidean Distance ke-122

$$(d) = \text{SQRT}((82-73.65)^2+(85-77.55)^2+(86.45-73.9)^2+(79.8-63.18)^2+(82.04-69.5)^2+(84.75-51.65)^2+(86-85.6)^2+(90.25-55.5)^2+(89.75-79.75)^2+(68.25-74.5)^2+(80.05-68.15)^2+(91.5-77.45)^2+(86-50.65)^2+(82.45-81.65)^2+(86.7-67.35)^2+(83.05-85.4)^2+(69-76.1)^2+(93.25-85.75)^2+(75.9-76.6)^2+(69.05-92.75)^2+(83-62.75)^2+(80.7-78.95)^2+(86.5-82.7)^2+(84.75-77.5)^2+(79.7-77.65)^2+(83.1-85.2)^2+(81.5-89.65)^2+(90.5-77.95)^2+(91.25-64)^2+(90.5-58.2)^2+(89.25-77.75)^2+(90.5-84.25)^2)$$

$$= 92.01$$

Proses Perhitungan Data Euclidean Distance ke-123

$$(d) = \text{SQRT}((87.65-73.65)^2+(65-77.55)^2+(89.55-73.9)^2+(75.55-63.18)^2+(93.9-69.5)^2+(85.95-51.65)^2+(83.95-85.6)^2+(84.45-$$

$$55.5)^2+(79.7-79.75)^2+(90.6-74.5)^2+(96.25-68.15)^2+(91.05-77.45)^2+(68.65-50.65)^2+(88.1-81.65)^2+(85.15-67.35)^2+(85.15-85.4)^2+(78.95-76.1)^2+(80.25-85.75)^2+(61-76.6)^2+(83.75-92.75)^2+(82.5-62.75)^2+(88.45-78.95)^2+(96.6-82.7)^2+(85.6-77.5)^2+(82.4-77.65)^2+(98.75-85.2)^2+(89.4-89.65)^2+(91.5-77.95)^2+(89.25-64)^2+(87.05-58.2)^2+(91.4-77.75)^2+(91.3-84.25)^2$$

$$= 92.08$$

Proses Perhitungan Data Euclidean Distance ke-124

$$(d) = \text{SQRT}((91.75-73.65)^2+(81.8-77.55)^2+(91.25-73.9)^2+(80.08-63.18)^2+(89.62-69.5)^2+(89-51.65)^2+(82.9-85.6)^2+(85.5-55.5)^2+(87.05-79.75)^2+(77.85-74.5)^2+(90.65-68.15)^2+(85-77.45)^2+(86-50.65)^2+(78.85-81.65)^2+(69.85-67.35)^2+(86.75-85.4)^2+(87.9-76.1)^2+(81-85.75)^2+(92.25-76.6)^2+(85.85-92.75)^2+(90.45-62.75)^2+(85.4-78.95)^2+(88.9-82.7)^2+(89.5-77.5)^2+(87.8-77.65)^2+(86.5-85.2)^2+(95.25-89.65)^2+(85.25-77.95)^2+(86.45-64)^2+(81.75-58.2)^2+(93.5-77.75)^2+(79.85-84.25)^2)$$

$$= 92.16$$

Proses Perhitungan Data Euclidean Distance ke-125

$$(d) = \text{SQRT}((82.55-73.65)^2+(62.25-77.55)^2+(95.85-73.9)^2+(77.06-63.18)^2+(76.4-69.5)^2+(82.95-51.65)^2+(83.3-85.6)^2+(90-55.5)^2+(92.2-79.75)^2+(81.9-74.5)^2+(91.9-68.15)^2+(86.45-77.45)^2+(86.9-50.65)^2+(94.65-81.65)^2+(87.2-67.35)^2+(90.35-85.4)^2+(86-76.1)^2+(87.45-85.75)^2+(88.3-76.6)^2+(79.25-92.75)^2+(81.25-62.75)^2+(84.15-78.95)^2+(84-82.7)^2+(88.65-77.5)^2+(85.05-77.65)^2+(89.6-85.2)^2+(92.75-89.65)^2+(91.5-77.95)^2+(84.4-64)^2+(86.05-58.2)^2+(89.38-77.75)^2+(88.5-84.25)^2)$$

$$= 92.17$$

Proses Perhitungan Data Euclidean Distance ke-126

$$(d) = \text{SQRT}((86.7-73.65)^2+(69.95-77.55)^2+(95-73.9)^2+(82.8-63.18)^2+(96.5-69.5)^2+(74.7-51.65)^2+(84.25-85.6)^2+(91.2-55.5)^2+(84.1-79.75)^2+(88.8-74.5)^2+(90.25-68.15)^2+(90.8-77.45)^2+(79.15-50.65)^2+(88.05-81.65)^2+(74.2-67.35)^2+(80.25-85.4)^2+(78.4-76.1)^2+(90.2-85.75)^2+(75.41-76.6)^2+(85.5-92.75)^2+(91.55-62.75)^2+(88.7-78.95)^2+(87.25-82.7)^2+(90-77.5)^2+(92.58-77.65)^2+(85-85.2)^2+(97-89.65)^2+(91.5-77.95)^2+(85.49-64)^2+(87.35-58.2)^2+(87.89-77.75)^2+(77.25-84.25)^2)$$

$$= 92.28$$

Proses Perhitungan Data Euclidean Distance ke-127

$$(d) = \text{SQRT}((78.45-73.65)^2+(71-77.55)^2+(89-73.9)^2+(77-63.18)^2+(92.5-69.5)^2+(87.95-51.65)^2+(85.55-85.6)^2+(82.9-55.5)^2+(78.75-79.75)^2+(90.25-74.5)^2+(91.9-68.15)^2+(91.85-77.45)^2+(86.25-50.65)^2+(82.7-81.65)^2+(81.45-67.35)^2+(78.1-85.4)^2+(73.35-76.1)^2+(78.6-85.75)^2+(68.5-76.6)^2+(86.25-92.75)^2+(85.4-62.75)^2+(91.55-78.95)^2+(96.9-82.7)^2+(85.85-77.5)^2+(82.75-77.65)^2+(98.75-85.2)^2+(76.65-89.65)^2+(91.5-77.95)^2+(87.9-64)^2+(83.15-58.2)^2+(82.8-77.75)^2+(88.7-84.25)^2)$$

$$= 92.38$$

Proses Perhitungan Data Euclidean Distance ke-128

$$(d) = \text{SQRT}((90.55-73.65)^2+(86.2-77.55)^2+(89.25-73.9)^2+(47.09-63.18)^2+(85.75-69.5)^2+(81.45-51.65)^2+(88-85.6)^2+(80.65-55.5)^2+(83.2-79.75)^2+(91.15-74.5)^2+(92.2-68.15)^2+(90-77.45)^2+(93-50.65)^2+(96.25-81.65)^2+(83-67.35)^2+(83.35-85.4)^2+(83-76.1)^2+(84.6-85.75)^2+(77.32-76.6)^2+(77.75-92.75)^2+(81.05-62.75)^2+(91.5-78.95)^2+(91.7-82.7)^2+(94.75-77.5)^2+(86.75-77.65)^2+(89.55-85.2)^2+(87.25-89.65)^2+(80.8-77.95)^2+(78.35-64)^2+(85.2-58.2)^2+(97.75-77.75)^2+(90.75-84.25)^2)$$

$$= 92.54$$

Proses Perhitungan Data Euclidean Distance ke-129

$$(d) = \text{SQRT}((82-73.65)^2+(82.5-77.55)^2+(91.45-73.9)^2+(79.15-63.18)^2+(81.99-69.5)^2+(81.13-51.65)^2+(90.01-85.6)^2+(90.25-55.5)^2+(90.95-79.75)^2+(74.55-74.5)^2+(90.75-68.15)^2+(91.5-77.45)^2+(83.9-50.65)^2+(86.9-81.65)^2+(84.75-67.35)^2+(89.75-85.4)^2+(86.9-76.1)^2+(91.5-85.75)^2+(95-76.6)^2+(79.25-92.75)^2+(72.7-62.75)^2+(89-78.95)^2+(85.75-82.7)^2+(92.7-77.5)^2+(87.5-77.65)^2+(88.5-85.2)^2+(91.35-89.65)^2+(85.5-77.95)^2+(93.65-64)^2+(89.9-58.2)^2+(91.75-77.75)^2+(80-84.25)^2)$$

$$= 92.60$$

Proses Perhitungan Data Euclidean Distance ke-130

$$(d) = \text{SQRT}((91.85-73.65)^2+(75.5-77.55)^2+(92.75-73.9)^2+(74.35-63.18)^2+(89-69.5)^2+(82-51.65)^2+(84.5-85.6)^2+(84.5-55.5)^2+(83.55-79.75)^2+(92.45-74.5)^2+(92.9-68.15)^2+(90-77.45)^2+(82-50.65)^2+(95-81.65)^2+(83.75-67.35)^2+(84.5-85.4)^2+(85.4-76.1)^2+(79.65-85.75)^2+(77.52-76.6)^2+(75.95-92.75)^2+(82.65-62.75)^2+(85.25-78.95)^2+(92.65-82.7)^2+(87.7-77.5)^2+(89.2-77.65)^2+(95.05-85.2)^2+(91.5-89.65)^2+(88.65-77.95)^2+(77-64)^2+(95.7-58.2)^2+(89.49-77.75)^2+(88.45-84.25)^2)$$

$$= 92.85$$

Proses Perhitungan Data Euclidean Distance ke-131

$$(d) = \text{SQRT}((62.4-73.65)^2+(81.45-77.55)^2+(93-73.9)^2+(81.05-63.18)^2+(85.5-69.5)^2+(88.6-51.65)^2+(86.75-85.6)^2+(86-55.5)^2+(91.6-79.75)^2+(90.4-74.5)^2+(96.45-68.15)^2+(87.7-77.45)^2+(86.7-50.65)^2+(79.65-81.65)^2+(86.15-67.35)^2+(88.9-85.4)^2+(85.35-76.1)^2+(87.7-85.75)^2+(79.05-76.6)^2+(88.8-92.75)^2+(78.65-62.75)^2+(87.1-78.95)^2+(91.35-82.7)^2+(72.65-77.5)^2+(85.15-77.65)^2+(82.2-85.2)^2+(80.25-89.65)^2+(92.7-77.95)^2+(81.35-64)^2+(88.5-58.2)^2+(91.5-77.75)^2+(85.2-84.25)^2)$$

$$= 93.04$$

Proses Perhitungan Data Euclidean Distance ke-132

$$(d) = \text{SQRT}((88.5-73.65)^2+(86.7-77.55)^2+(90.45-73.9)^2+(71.26-63.18)^2+(85.75-69.5)^2+(83.75-51.65)^2+(83.3-85.6)^2+(86.75-55.5)^2+(83.5-79.75)^2+(91.95-74.5)^2+(93.7-68.15)^2+(90-77.45)^2+(86-50.65)^2+(96.75-81.65)^2+(81.25-67.35)^2+(84.75-85.4)^2+(84.7-76.1)^2+(81.35-85.75)^2+(81.77-76.6)^2+(86.65-92.75)^2+(80.55-62.75)^2+(80.95-78.95)^2+(93.7-82.7)^2+(87.45-77.5)^2+(85.75-77.65)^2+(98.05-85.2)^2+(90.25-89.65)^2+(89.25-77.95)^2+(85.15-64)^2+(93-58.2)^2+(90.75-77.75)^2+(91.55-84.25)^2)$$

$$= 93.05$$

Proses Perhitungan Data Euclidean Distance ke-133

$$(d) = \text{SQRT}((92.45-73.65)^2+(76.6-77.55)^2+(83.75-73.9)^2+(79.76-63.18)^2+(90.67-69.5)^2+(93.5-51.65)^2+(88.35-85.6)^2+(87.2-55.5)^2+(84.8-79.75)^2+(75.2-74.5)^2+(80.45-68.15)^2+(82.85-77.45)^2+(87.05-50.65)^2+(96-81.65)^2+(91.25-67.35)^2+(88.15-85.4)^2+(86-76.1)^2+(76.95-85.75)^2+(64.95-76.6)^2+(83.05-92.75)^2+(80.3-62.75)^2+(90.3-78.95)^2+(88.58-82.7)^2+(90-77.5)^2+(87.45-77.65)^2+(83-85.2)^2+(90-89.65)^2+(82.3-77.95)^2+(79.95-64)^2+(88.3-58.2)^2+(85.2-77.75)^2+(77.95-84.25)^2)$$

$$= 93.07$$

Proses Perhitungan Data Euclidean Distance ke-134

$$(d) = \text{SQRT}((89-73.65)^2+(85.1-77.55)^2+(91.7-73.9)^2+(73.54-63.18)^2+(81.25-69.5)^2+(80.75-51.65)^2+(83.05-85.6)^2+(89.45-55.5)^2+(83.2-79.75)^2+(92.7-74.5)^2+(95-68.15)^2+(90-77.45)^2+(82-50.65)^2+(94-81.65)^2+(82.5-67.35)^2+(85.7-85.4)^2+(84.2-76.1)^2+(76.3-85.75)^2+(78.57-76.6)^2+(67.75-92.75)^2+(84.9-62.75)^2+(83.75-78.95)^2+(93.45-82.7)^2+(88.75-77.5)^2+(85-77.65)^2+(97-85.2)^2+(87.25-89.65)^2+(86.9-77.95)^2+(79.45-64)^2+(92.2-58.2)^2+(84.62-77.75)^2+(88.3-84.25)^2)$$

$$= 93.40$$

Proses Perhitungan Data Euclidean Distance ke-135

$$(d) = \text{SQRT}((91.8-73.65)^2+(80.55-77.55)^2+(100-73.9)^2+(76.22-63.18)^2+(84.6-69.5)^2+(79.95-51.65)^2+(87.6-85.6)^2+(86.65-55.5)^2+(83.25-79.75)^2+(82.5-74.5)^2+(90.1-68.15)^2+(85.25-77.45)^2+(81.75-50.65)^2+(85.1-81.65)^2+(92.25-67.35)^2+(87.5-85.4)^2+(88-76.1)^2+(90.55-85.75)^2+(77.55-76.6)^2+(87.75-92.75)^2+(95.25-62.75)^2+(86-78.95)^2+(89.75-82.7)^2+(86.5-77.5)^2+(87.95-77.65)^2+(89.8-85.2)^2+(84-89.65)^2+(94.25-77.95)^2+(87.5-64)^2+(85.25-58.2)^2+(92.42-77.75)^2+(83.8-84.25)^2)$$

$$= 93.63$$

Proses Perhitungan Data Euclidean Distance ke-136

$$(d) = \text{SQRT}((78.5-73.65)^2+(57.75-77.55)^2+(93.5-73.9)^2+(72.95-63.18)^2+(63.7-69.5)^2+(84.25-51.65)^2+(82.5-85.6)^2+(86.25-55.5)^2+(88.25-79.75)^2+(87-74.5)^2+(84.15-68.15)^2+(81.5-77.45)^2+(86-50.65)^2+(94.5-81.65)^2+(87.75-67.35)^2+(92.45-85.4)^2+(76.1-76.1)^2+(78.2-85.75)^2+(96.05-76.6)^2+(77.95-92.75)^2+(82.95-62.75)^2+(83.7-78.95)^2+(68.5-82.7)^2+(89.75-77.5)^2+(88.25-77.65)^2+(84.35-85.2)^2+(80.9-89.65)^2+(83.1-77.95)^2+(86.1-64)^2+(93.4-58.2)^2+(86.8-77.75)^2+(84.55-84.25)^2)$$

$$= 93.76$$

Proses Perhitungan Data Euclidean Distance ke-137

$$(d) = \text{SQRT}((93.25-73.65)^2+(71-77.55)^2+(91.9-73.9)^2+(85.45-63.18)^2+(82.88-69.5)^2+(77.25-51.65)^2+(86.35-85.6)^2+(94-55.5)^2+(89.85-79.75)^2+(85.25-74.5)^2+(85.95-68.15)^2+(89.6-77.45)^2+(90.25-50.65)^2+(90.5-81.65)^2+(82.25-67.35)^2+(80.45-85.4)^2+(91.5-76.1)^2+(92.25-85.75)^2+(79.15-76.6)^2+(88.3-92.75)^2+(84.95-62.75)^2+(88.05-78.95)^2+(90-82.7)^2+(74.03-77.5)^2+(85.15-77.65)^2+(98.75-85.2)^2+(81-89.65)^2+(92.4-77.95)^2+(80.25-64)^2+(88.7-58.2)^2+(78.5-77.75)^2+(87.25-84.25)^2)$$

$$= 93.88$$

Proses Perhitungan Data Euclidean Distance ke-138

$$(d) = \text{SQRT}((89.5-73.65)^2+(87.85-77.55)^2+(90.55-73.9)^2+(72.98-63.18)^2+(77-69.5)^2+(81.75-51.65)^2+(89.75-85.6)^2+(82.25-55.5)^2+(83.75-79.75)^2+(91.7-74.5)^2+(93.6-68.15)^2+(93.7-77.45)^2+(85.5-50.65)^2+(95-81.65)^2+(79-67.35)^2+(83.55-85.4)^2+(83-76.1)^2+(81.5-85.75)^2+(83.02-76.6)^2+(82.7-92.75)^2+(80.05-62.75)^2+(91.7-78.95)^2+(90.2-82.7)^2+(91-77.5)^2+(89.75-$$

$$77.65)^2+(86.75-85.2)^2+(78.25-89.65)^2+(89.35-77.95)^2+(87.75-64)^2+(97.85-58.2)^2+(93.67-77.75)^2+(90.3-84.25)^2$$

$$= 94.47$$

Proses Perhitungan Data Euclidean Distance ke-139

$$(d) = \text{SQRT}((82.35-73.65)^2+(67.5-77.55)^2+(95.85-73.9)^2+(74.05-63.18)^2+(88.2-69.5)^2+(86.75-51.65)^2+(84.7-85.6)^2+(84.5-55.5)^2+(88.5-79.75)^2+(81.75-74.5)^2+(88.35-68.15)^2+(84.5-77.45)^2+(89-50.65)^2+(95.9-81.65)^2+(75.58-67.35)^2+(86.15-85.4)^2+(75-76.1)^2+(83.9-85.75)^2+(91.1-76.6)^2+(71.05-92.75)^2+(87.1-62.75)^2+(83.2-78.95)^2+(96.25-82.7)^2+(89.95-77.5)^2+(85.75-77.65)^2+(92.2-85.2)^2+(83-89.65)^2+(83.95-77.95)^2+(81.8-64)^2+(91.4-58.2)^2+(90.5-77.75)^2+(85.15-84.25)^2)$$

$$= 94.56$$

Proses Perhitungan Data Euclidean Distance ke-140

$$(d) = \text{SQRT}((85.2-73.65)^2+(65-77.55)^2+(89.4-73.9)^2+(73.86-63.18)^2+(96-69.5)^2+(84.8-51.65)^2+(83.7-85.6)^2+(83-55.5)^2+(77.7-79.75)^2+(89.9-74.5)^2+(92.95-68.15)^2+(91.9-77.45)^2+(89.95-50.65)^2+(79.25-81.65)^2+(86-67.35)^2+(84.7-85.4)^2+(83.6-76.1)^2+(82.25-85.75)^2+(73.2-76.6)^2+(93.25-92.75)^2+(83.55-62.75)^2+(91.55-78.95)^2+(96.8-82.7)^2+(87.95-77.5)^2+(84.9-77.65)^2+(99.75-85.2)^2+(80.9-89.65)^2+(91.5-77.95)^2+(88.9-64)^2+(84.35-58.2)^2+(82.75-77.75)^2+(88.55-84.25)^2)$$

$$= 94.98$$

Proses Perhitungan Data Euclidean Distance ke-141

$$(d) = \text{SQRT}((92.25-73.65)^2+(86.45-77.55)^2+(88.45-73.9)^2+(79.54-63.18)^2+(94-69.5)^2+(92-51.65)^2+(88.35-85.6)^2+(86-55.5)^2+(82.15-79.75)^2+(94.7-74.5)^2+(85.35-68.15)^2+(75.95-77.45)^2+(87.05-50.65)^2+(91.65-81.65)^2+(82-67.35)^2+(88.1-85.4)^2+(89.6-76.1)^2+(88.5-85.75)^2+(80.05-76.6)^2+(86.75-92.75)^2+(75.3-62.75)^2+(85.76-78.95)^2+(92-82.7)^2+(96-77.5)^2+(95.75-77.65)^2+(89.95-85.2)^2+(95.15-89.65)^2+(91.5-77.95)^2+(77.95-64)^2+(89-58.2)^2+(81.15-77.75)^2+(78.45-84.25)^2)$$

$$= 95.14$$

Proses Perhitungan Data Euclidean Distance ke-142

$$(d) = \text{SQRT}((86.15-73.65)^2+(90.8-77.55)^2+(91.5-73.9)^2+(79.08-63.18)^2+(88-69.5)^2+(83.8-51.65)^2+(84.5-85.6)^2+(86.55-55.5)^2+(88.7-79.75)^2+(97.75-74.5)^2+(85-68.15)^2+(89.45-77.45)^2+(87.75-50.65)^2+(88.8-81.65)^2+(89.15-67.35)^2+(86.6-$$

$$85.4)^2+(81.75-76.1)^2+(85-85.75)^2+(82.9-76.6)^2+(95.5-92.75)^2+(88.85-62.75)^2+(88.95-78.95)^2+(94.45-82.7)^2+(87.45-77.5)^2+(84.1-77.65)^2+(91.5-85.2)^2+(87.75-89.65)^2+(88.8-77.95)^2+(85.5-64)^2+(88.75-58.2)^2+(94-77.75)^2+(85.7-84.25)^2$$

$$= 95.66$$

Proses Perhitungan Data Euclidean Distance ke-143

$$(d) = \text{SQRT}((87.8-73.65)^2+(86.4-77.55)^2+(89.35-73.9)^2+(65.82-63.18)^2+(83.5-69.5)^2+(80.75-51.65)^2+(84.5-85.6)^2+(89.25-55.5)^2+(82.9-79.75)^2+(92.45-74.5)^2+(95.1-68.15)^2+(90-77.45)^2+(96-50.65)^2+(81.75-81.65)^2+(82.5-67.35)^2+(86.25-85.4)^2+(85.25-76.1)^2+(76.65-85.75)^2+(82.07-76.6)^2+(79.5-92.75)^2+(84.9-62.75)^2+(88.7-78.95)^2+(89.2-82.7)^2+(94-77.5)^2+(77.9-77.65)^2+(88.75-85.2)^2+(86.75-89.65)^2+(89.35-77.95)^2+(87.45-64)^2+(88.55-58.2)^2+(86.75-77.75)^2+(85.15-84.25)^2)$$

$$= 95.84$$

Proses Perhitungan Data Euclidean Distance ke-144

$$(d) = \text{SQRT}((86.5-73.65)^2+(95.05-77.55)^2+(82.6-73.9)^2+(83-63.18)^2+(78.5-69.5)^2+(69.95-51.65)^2+(84.65-85.6)^2+(88.45-55.5)^2+(86.15-79.75)^2+(84.75-74.5)^2+(86.1-68.15)^2+(78.45-77.45)^2+(94.75-50.65)^2+(89.8-81.65)^2+(86.45-67.35)^2+(91-85.4)^2+(90.75-76.1)^2+(77.2-85.75)^2+(92.68-76.6)^2+(97.5-92.75)^2+(84.5-62.75)^2+(96.45-78.95)^2+(91.85-82.7)^2+(82.15-77.5)^2+(86.45-77.65)^2+(98.25-85.2)^2+(94-89.65)^2+(86-77.95)^2+(90.75-64)^2+(94-58.2)^2+(84.75-77.75)^2+(90.25-84.25)^2)$$

$$= 95.84$$

Proses Perhitungan Data Euclidean Distance ke-145

$$(d) = \text{SQRT}((88.2-73.65)^2+(69.95-77.55)^2+(93.45-73.9)^2+(85.45-63.18)^2+(81.25-69.5)^2+(79.5-51.65)^2+(82.15-85.6)^2+(95.8-55.5)^2+(89-79.75)^2+(94.65-74.5)^2+(92-68.15)^2+(79.6-77.45)^2+(87.05-50.65)^2+(86.25-81.65)^2+(84.5-67.35)^2+(96.85-85.4)^2+(83.8-76.1)^2+(81.45-85.75)^2+(86.7-76.6)^2+(91.5-92.75)^2+(74.5-62.75)^2+(85.76-78.95)^2+(93.5-82.7)^2+(88.75-77.5)^2+(95.75-77.65)^2+(93.1-85.2)^2+(95.15-89.65)^2+(91.5-77.95)^2+(87.6-64)^2+(87.35-58.2)^2+(86.7-77.75)^2+(81.05-84.25)^2)$$

$$= 96.14$$

Proses Perhitungan Data Euclidean Distance ke-146

$$(d) = \text{SQRT}((84.7-73.65)^2+(86.25-77.55)^2+(95.65-73.9)^2+(74.22-63.18)^2+(92-69.5)^2+(90.95-51.65)^2+(90.21-85.6)^2+(89.75-$$

$$55.5)^2+(91-79.75)^2+(82.1-74.5)^2+(90.9-68.15)^2+(84.85-77.45)^2+(86.75-50.65)^2+(91.3-81.65)^2+(88.5-67.35)^2+(89.9-85.4)^2+(88.25-76.1)^2+(83.6-85.75)^2+(91.45-76.6)^2+(89-92.75)^2+(73.8-62.75)^2+(92.75-78.95)^2+(81.33-82.7)^2+(90.45-77.5)^2+(83.45-77.65)^2+(90.25-85.2)^2+(89.75-89.65)^2+(85.75-77.95)^2+(93.05-64)^2+(82.7-58.2)^2+(87.73-77.75)^2+(76.6-84.25)^2$$

$$= 96.17$$

Proses Perhitungan Data Euclidean Distance ke-147

$$(d) = \text{SQRT}((82.8-73.65)^2+(84.25-77.55)^2+(95.45-73.9)^2+(75.12-63.18)^2+(88.7-69.5)^2+(88.95-51.65)^2+(79.9-85.6)^2+(87.6-55.5)^2+(75.65-79.75)^2+(56.45-74.5)^2+(86.6-68.15)^2+(90.25-77.45)^2+(84.45-50.65)^2+(84.3-81.65)^2+(68.03-67.35)^2+(81.25-85.4)^2+(75-76.1)^2+(87.95-85.75)^2+(80-76.6)^2+(75.55-92.75)^2+(95.75-62.75)^2+(90.25-78.95)^2+(94.85-82.7)^2+(90.75-77.5)^2+(80.35-77.65)^2+(85.8-85.2)^2+(74.5-89.65)^2+(96.7-77.95)^2+(81.85-64)^2+(87.9-58.2)^2+(83-77.75)^2+(87.6-84.25)^2)$$

$$= 96.20$$

Proses Perhitungan Data Euclidean Distance ke-148

$$(d) = \text{SQRT}((77.25-73.65)^2+(60-77.55)^2+(90.25-73.9)^2+(72.5-63.18)^2+(74.5-69.5)^2+(84.75-51.65)^2+(83.26-85.6)^2+(86.25-55.5)^2+(89.95-79.75)^2+(91.2-74.5)^2+(93.7-68.15)^2+(89.4-77.45)^2+(90.5-50.65)^2+(93.25-81.65)^2+(86.5-67.35)^2+(89-85.4)^2+(86-76.1)^2+(90.25-85.75)^2+(91.75-76.6)^2+(87.3-92.75)^2+(88.5-62.75)^2+(90.95-78.95)^2+(87.25-82.7)^2+(89.85-77.5)^2+(85.5-77.65)^2+(86.2-85.2)^2+(88-89.65)^2+(91.5-77.95)^2+(90.1-64)^2+(87-58.2)^2+(90.98-77.75)^2+(85.35-84.25)^2)$$

$$= 96.55$$

Proses Perhitungan Data Euclidean Distance ke-149

$$(d) = \text{SQRT}((88.8-73.65)^2+(81.75-77.55)^2+(84.5-73.9)^2+(69.69-63.18)^2+(79.6-69.5)^2+(96.25-51.65)^2+(83.2-85.6)^2+(82.35-55.5)^2+(91.75-79.75)^2+(92.7-74.5)^2+(91.3-68.15)^2+(88.05-77.45)^2+(89-50.65)^2+(98.8-81.65)^2+(86-67.35)^2+(84.4-85.4)^2+(83-76.1)^2+(78.65-85.75)^2+(81.57-76.6)^2+(86.7-92.75)^2+(80.55-62.75)^2+(88.7-78.95)^2+(93.7-82.7)^2+(93.25-77.5)^2+(58.75-77.65)^2+(83.75-85.2)^2+(81.75-89.65)^2+(87.75-77.95)^2+(80.15-64)^2+(87.25-58.2)^2+(96-77.75)^2+(88.5-84.25)^2)$$

$$= 96.80$$

Proses Perhitungan Data Euclidean Distance ke-150

$$(d) = \text{SQRT}((84.4-73.65)^2+(85.15-77.55)^2+(96.95-73.9)^2+(83.4-63.18)^2+(88.4-69.5)^2+(87.1-51.65)^2+(83.6-85.6)^2+(78.5-55.5)^2+(90.25-79.75)^2+(91-74.5)^2+(96.45-68.15)^2+(85.25-77.45)^2+(86.7-50.65)^2+(82.15-81.65)^2+(90.2-67.35)^2+(92.25-85.4)^2+(85.45-76.1)^2+(92.2-85.75)^2+(79.5-76.6)^2+(71.95-92.75)^2+(77.15-62.75)^2+(86.85-78.95)^2+(91.5-82.7)^2+(69.7-77.5)^2+(85.45-77.65)^2+(100-85.2)^2+(81-89.65)^2+(92.4-77.95)^2+(85.25-64)^2+(87.25-58.2)^2+(91.25-77.75)^2+(88.5-84.25)^2)$$

$$= 97.01$$

Proses Perhitungan Data Euclidean Distance ke-151

$$(d) = \text{SQRT}((87.3-73.65)^2+(81.75-77.55)^2+(94.2-73.9)^2+(74.86-63.18)^2+(84.1-69.5)^2+(94.4-51.65)^2+(84.8-85.6)^2+(84.95-55.5)^2+(92.25-79.75)^2+(82.05-74.5)^2+(93.6-68.15)^2+(87.9-77.45)^2+(89.75-50.65)^2+(90.95-81.65)^2+(87.25-67.35)^2+(90.35-85.4)^2+(86-76.1)^2+(86.75-85.75)^2+(82-76.6)^2+(87.25-92.75)^2+(89.75-62.75)^2+(90.8-78.95)^2+(91.3-82.7)^2+(89.45-77.5)^2+(81.2-77.65)^2+(86.5-85.2)^2+(86.2-89.65)^2+(91.95-77.95)^2+(84.5-64)^2+(85.45-58.2)^2+(85.57-77.75)^2+(76.65-84.25)^2)$$

$$= 97.03$$

Proses Perhitungan Data Euclidean Distance ke-152

$$(d) = \text{SQRT}((90.5-73.65)^2+(73.25-77.55)^2+(94.05-73.9)^2+(80.55-63.18)^2+(83.48-69.5)^2+(94.5-51.65)^2+(88.7-85.6)^2+(86.95-55.5)^2+(83.5-79.75)^2+(80.3-74.5)^2+(91.5-68.15)^2+(84.95-77.45)^2+(87.05-50.65)^2+(98.5-81.65)^2+(95.5-67.35)^2+(88.25-85.4)^2+(90-76.1)^2+(74.9-85.75)^2+(73.75-76.6)^2+(85.85-92.75)^2+(85.45-62.75)^2+(83.55-78.95)^2+(87.88-82.7)^2+(84.3-77.5)^2+(88.35-77.65)^2+(86.95-85.2)^2+(86.25-89.65)^2+(82.9-77.95)^2+(84.25-64)^2+(85.8-58.2)^2+(81.7-77.75)^2+(84.2-84.25)^2)$$

$$= 97.04$$

Proses Perhitungan Data Euclidean Distance ke-153

$$(d) = \text{SQRT}((87.3-73.65)^2+(71-77.55)^2+(96.8-73.9)^2+(84.95-63.18)^2+(93-69.5)^2+(84-51.65)^2+(87.35-85.6)^2+(92.25-55.5)^2+(90.85-79.75)^2+(93.35-74.5)^2+(92.85-68.15)^2+(81.3-77.45)^2+(87.05-50.65)^2+(86.05-81.65)^2+(82-67.35)^2+(93.9-85.4)^2+(86.15-76.1)^2+(82.5-85.75)^2+(85.3-76.6)^2+(89.75-92.75)^2+(76.1-62.75)^2+(82.85-78.95)^2+(90.25-82.7)^2+(82.45-77.5)^2+(95-77.65)^2+(80.8-85.2)^2+(88.15-89.65)^2+(91.5-77.95)^2+(85.35-64)^2+(89.65-58.2)^2+(86.3-77.75)^2+(89.2-84.25)^2)$$

$$= 97.13$$

Proses Perhitungan Data Euclidean Distance ke-154

$$(d) = \text{SQRT}((95.25-73.65)^2+(76.4-77.55)^2+(87.9-73.9)^2+(80.97-63.18)^2+(99.75-69.5)^2+(91.5-51.65)^2+(88.2-85.6)^2+(89.55-55.5)^2+(84-79.75)^2+(84.3-74.5)^2+(81.95-68.15)^2+(85.85-77.45)^2+(87.05-50.65)^2+(98.75-81.65)^2+(63.1-67.35)^2+(90.8-85.4)^2+(85.5-76.1)^2+(87-85.75)^2+(81-76.6)^2+(85.85-92.75)^2+(87-62.75)^2+(88.75-78.95)^2+(91.55-82.7)^2+(90-77.5)^2+(87.8-77.65)^2+(81.75-85.2)^2+(90-89.65)^2+(90.45-77.95)^2+(85.2-64)^2+(85.05-58.2)^2+(94.2-77.75)^2+(83.5-84.25)^2)$$

$$= 97.35$$

Proses Perhitungan Data Euclidean Distance ke-155

$$(d) = \text{SQRT}((82.55-73.65)^2+(86.25-77.55)^2+(90.8-73.9)^2+(75.03-63.18)^2+(90.95-69.5)^2+(90.45-51.65)^2+(87.56-85.6)^2+(90.25-55.5)^2+(90.25-79.75)^2+(86.85-74.5)^2+(89.8-68.15)^2+(87.2-77.45)^2+(86.75-50.65)^2+(90.05-81.65)^2+(88.5-67.35)^2+(91.6-85.4)^2+(88.25-76.1)^2+(85.55-85.75)^2+(88.75-76.6)^2+(91.25-92.75)^2+(72.1-62.75)^2+(96.5-78.95)^2+(72.23-82.7)^2+(90.45-77.5)^2+(89-77.65)^2+(90.85-85.2)^2+(89.75-89.65)^2+(83.65-77.95)^2+(93.5-64)^2+(88.75-58.2)^2+(87-77.75)^2+(85-84.25)^2)$$

$$= 97.45$$

Proses Perhitungan Data Euclidean Distance ke-156

$$(d) = \text{SQRT}((82-73.65)^2+(87.25-77.55)^2+(81.65-73.9)^2+(78.1-63.18)^2+(84.04-69.5)^2+(88.25-51.65)^2+(81.7-85.6)^2+(88.3-55.5)^2+(87.2-79.75)^2+(75.15-74.5)^2+(91.1-68.15)^2+(91.5-77.45)^2+(87.05-50.65)^2+(88.05-81.65)^2+(86.7-67.35)^2+(83-85.4)^2+(79.25-76.1)^2+(82.2-85.75)^2+(92.55-76.6)^2+(82.5-92.75)^2+(82.8-62.75)^2+(92-78.95)^2+(95.75-82.7)^2+(89.5-77.5)^2+(76.5-77.65)^2+(90.2-85.2)^2+(97-89.65)^2+(93.3-77.95)^2+(90-64)^2+(98.25-58.2)^2+(79-77.75)^2+(75.95-84.25)^2)$$

$$= 97.72$$

Proses Perhitungan Data Euclidean Distance ke-157

$$(d) = \text{SQRT}((83.3-73.65)^2+(84.25-77.55)^2+(92.5-73.9)^2+(76.7-63.18)^2+(97.38-69.5)^2+(82.25-51.65)^2+(88.1-85.6)^2+(89.25-55.5)^2+(87.55-79.75)^2+(82-74.5)^2+(87.65-68.15)^2+(85-77.45)^2+(84.2-50.65)^2+(98.2-81.65)^2+(78.03-67.35)^2+(94.05-85.4)^2+(81.1-76.1)^2+(95.45-85.75)^2+(88-76.6)^2+(73.5-92.75)^2+(91.9-62.75)^2+(86-78.95)^2+(88.1-82.7)^2+(89.2-77.5)^2+(88.75-77.65)^2+(91.5-85.2)^2+(85.8-89.65)^2+(92.1-77.95)^2+(83.6-64)^2+(94.4-58.2)^2+(93-77.75)^2+(85.15-84.25)^2)$$

$$= 98.28$$

Proses Perhitungan Data Euclidean Distance ke-158

$$(d) = \text{SQRT}((85.5-73.65)^2+(84.25-77.55)^2+(93.95-73.9)^2+(76.43-63.18)^2+(91.2-69.5)^2+(84.4-51.65)^2+(86.9-85.6)^2+(91.95-55.5)^2+(83.75-79.75)^2+(74.1-74.5)^2+(90.45-68.15)^2+(81.75-77.45)^2+(94.25-50.65)^2+(98-81.65)^2+(70.85-67.35)^2+(86.4-85.4)^2+(86.05-76.1)^2+(85-85.75)^2+(92.9-76.6)^2+(74.7-92.75)^2+(83-62.75)^2+(90.25-78.95)^2+(93.5-82.7)^2+(83.75-77.5)^2+(79.6-77.65)^2+(83.35-85.2)^2+(85.15-89.65)^2+(96-77.95)^2+(87.4-64)^2+(87.25-58.2)^2+(92.33-77.75)^2+(84-84.25)^2)$$

$$= 98.45$$

Proses Perhitungan Data Euclidean Distance ke-159

$$(d) = \text{SQRT}((73.25-73.65)^2+(79.2-77.55)^2+(87.5-73.9)^2+(75.61-63.18)^2+(86.38-69.5)^2+(92.75-51.65)^2+(88.7-85.6)^2+(89.75-55.5)^2+(85.9-79.75)^2+(94.75-74.5)^2+(92.4-68.15)^2+(75.95-77.45)^2+(80.45-50.65)^2+(94.1-81.65)^2+(87.65-67.35)^2+(88.2-85.4)^2+(81.8-76.1)^2+(82.4-85.75)^2+(97.8-76.6)^2+(70.75-92.75)^2+(79.45-62.75)^2+(82.65-78.95)^2+(73.15-82.7)^2+(75.4-77.5)^2+(88.25-77.65)^2+(86.15-85.2)^2+(83.7-89.65)^2+(89.6-77.95)^2+(88-64)^2+(92.55-58.2)^2+(94.7-77.75)^2+(84.1-84.25)^2)$$

$$= 98.45$$

Proses Perhitungan Data Euclidean Distance ke-160

$$(d) = \text{SQRT}((80.05-73.65)^2+(61.2-77.55)^2+(79.7-73.9)^2+(74.33-63.18)^2+(68.65-69.5)^2+(96.15-51.65)^2+(87.85-85.6)^2+(86.75-55.5)^2+(90.95-79.75)^2+(87.05-74.5)^2+(95.4-68.15)^2+(84.35-77.45)^2+(90.5-50.65)^2+(93.95-81.65)^2+(89.3-67.35)^2+(90.25-85.4)^2+(86-76.1)^2+(87.45-85.75)^2+(98.3-76.6)^2+(85.75-92.75)^2+(83-62.75)^2+(90.8-78.95)^2+(85.85-82.7)^2+(87.8-77.5)^2+(86.75-77.65)^2+(85.85-85.2)^2+(91.5-89.65)^2+(92.7-77.95)^2+(87.8-64)^2+(84.65-58.2)^2+(86.48-77.75)^2+(88.75-84.25)^2)$$

$$= 98.49$$

Proses Perhitungan Data Euclidean Distance ke-161

$$(d) = \text{SQRT}((81.25-73.65)^2+(85.35-77.55)^2+(76.95-73.9)^2+(86.4-63.18)^2+(80-69.5)^2+(94.3-51.65)^2+(84.8-85.6)^2+(81.65-55.5)^2+(86.5-79.75)^2+(80.7-74.5)^2+(100-68.15)^2+(82.25-77.45)^2+(91.5-50.65)^2+(88.7-81.65)^2+(88.5-67.35)^2+(86.8-85.4)^2+(83.8-76.1)^2+(84-85.75)^2+(84.75-76.6)^2+(85.85-92.75)^2+(92.4-62.75)^2+(86.5-78.95)^2+(87.5-82.7)^2+(86.05-$$

$$77.5)^2+(91-77.65)^2+(92-85.2)^2+(82.9-89.65)^2+(93.5-77.95)^2+(87.75-64)^2+(85.25-58.2)^2+(92.75-77.75)^2+(87.25-84.25)^2)$$

$$= 99.10$$

Proses Perhitungan Data Euclidean Distance ke-162

$$(d) = \text{SQRT}((88.75-73.65)^2+(85.65-77.55)^2+(92.5-73.9)^2+(80.23-63.18)^2+(93.9-69.5)^2+(96.25-51.65)^2+(86.75-85.6)^2+(88.75-55.5)^2+(84.6-79.75)^2+(75.95-74.5)^2+(98.95-68.15)^2+(86-77.45)^2+(87.05-50.65)^2+(92.15-81.65)^2+(64.58-67.35)^2+(86.9-85.4)^2+(88.65-76.1)^2+(88.6-85.75)^2+(67.95-76.6)^2+(83.05-92.75)^2+(83.8-62.75)^2+(87.4-78.95)^2+(82.81-82.7)^2+(83.75-77.5)^2+(87.3-77.65)^2+(85.5-85.2)^2+(87.2-89.65)^2+(86.3-77.95)^2+(88.15-64)^2+(86.45-58.2)^2+(94-77.75)^2+(80.7-84.25)^2)$$

$$= 99.14$$

Proses Perhitungan Data Euclidean Distance ke-163

$$(d) = \text{SQRT}((78.95-73.65)^2+(51.75-77.55)^2+(90.45-73.9)^2+(70.57-63.18)^2+(66.6-69.5)^2+(86.25-51.65)^2+(86.76-85.6)^2+(89-55.5)^2+(92.7-79.75)^2+(84.9-74.5)^2+(94.6-68.15)^2+(88.65-77.45)^2+(89.75-50.65)^2+(88.2-81.65)^2+(88.25-67.35)^2+(90.15-85.4)^2+(86-76.1)^2+(93.75-85.75)^2+(97.95-76.6)^2+(90-92.75)^2+(86.2-62.75)^2+(89.9-78.95)^2+(89.75-82.7)^2+(90.25-77.5)^2+(81.9-77.65)^2+(84.95-85.2)^2+(88-89.65)^2+(91.5-77.95)^2+(88.85-64)^2+(87-58.2)^2+(91.72-77.75)^2+(85.8-84.25)^2)$$

$$= 99.20$$

Proses Perhitungan Data Euclidean Distance ke-164

$$(d) = \text{SQRT}((91.75-73.65)^2+(79.15-77.55)^2+(93-73.9)^2+(77.49-63.18)^2+(83.88-69.5)^2+(93.75-51.65)^2+(85.45-85.6)^2+(87.75-55.5)^2+(87.65-79.75)^2+(83.4-74.5)^2+(98.95-68.15)^2+(85.2-77.45)^2+(87.05-50.65)^2+(98.75-81.65)^2+(79.08-67.35)^2+(88.25-85.4)^2+(90-76.1)^2+(82.5-85.75)^2+(93.8-76.6)^2+(91.1-92.75)^2+(85.2-62.75)^2+(87.85-78.95)^2+(97.68-82.7)^2+(87-77.5)^2+(88.35-77.65)^2+(87.75-85.2)^2+(96.25-89.65)^2+(85.6-77.95)^2+(87.3-64)^2+(83.6-58.2)^2+(90.95-77.75)^2+(79.25-84.25)^2)$$

$$= 99.21$$

Proses Perhitungan Data Euclidean Distance ke-165

$$(d) = \text{SQRT}((77.7-73.65)^2+(49.65-77.55)^2+(88.25-73.9)^2+(70.72-63.18)^2+(77.45-69.5)^2+(82.7-51.65)^2+(88.71-85.6)^2+(90-55.5)^2+(90.75-79.75)^2+(88-74.5)^2+(89.05-68.15)^2+(78.5-77.45)^2+(94-50.65)^2+(95.4-81.65)^2+(72.03-67.35)^2+(93.7-$$

$$85.4)^2+(74.25-76.1)^2+(89.2-85.75)^2+(89.6-76.6)^2+(73.5-92.75)^2+(85.2-62.75)^2+(84.75-78.95)^2+(72.15-82.7)^2+(89.75-77.5)^2+(88.25-77.65)^2+(82.1-85.2)^2+(83-89.65)^2+(88.4-77.95)^2+(87.35-64)^2+(94.75-58.2)^2+(90-77.75)^2+(85.15-84.25)^2)$$

$$= 99.23$$

Proses Perhitungan Data Euclidean Distance ke-166

$$(d) = \text{SQRT}((77.5-73.65)^2+(79.2-77.55)^2+(93.55-73.9)^2+(73.6-63.18)^2+(77.75-69.5)^2+(94-51.65)^2+(88.26-85.6)^2+(90.2-55.5)^2+(82-79.75)^2+(93.6-74.5)^2+(93.4-68.15)^2+(83.05-77.45)^2+(81.5-50.65)^2+(98.8-81.65)^2+(90.05-67.35)^2+(89.25-85.4)^2+(86.3-76.1)^2+(79.15-85.75)^2+(86.5-76.6)^2+(90-92.75)^2+(87.25-62.75)^2+(91.45-78.95)^2+(91.85-82.7)^2+(89.85-77.5)^2+(85.15-77.65)^2+(86.2-85.2)^2+(91.5-89.65)^2+(91.5-77.95)^2+(86.15-64)^2+(95.6-58.2)^2+(87.07-77.75)^2+(80.5-84.25)^2)$$

$$= 99.40$$

Proses Perhitungan Data Euclidean Distance ke-167

$$(d) = \text{SQRT}((87.55-73.65)^2+(80.7-77.55)^2+(96.05-73.9)^2+(68.13-63.18)^2+(88.05-69.5)^2+(92.65-51.65)^2+(86.95-85.6)^2+(85.65-55.5)^2+(88.45-79.75)^2+(80.9-74.5)^2+(92.1-68.15)^2+(79.75-77.45)^2+(81.2-50.65)^2+(83.55-81.65)^2+(91.25-67.35)^2+(91.25-85.4)^2+(86.8-76.1)^2+(83.95-85.75)^2+(97.3-76.6)^2+(86-92.75)^2+(94-62.75)^2+(84.25-78.95)^2+(87.25-82.7)^2+(87.5-77.5)^2+(92.75-77.65)^2+(96-85.2)^2+(82.2-89.65)^2+(91.5-77.95)^2+(91.4-64)^2+(87.7-58.2)^2+(86.05-77.75)^2+(80.75-84.25)^2)$$

$$= 99.47$$

Proses Perhitungan Data Euclidean Distance ke-168

$$(d) = \text{SQRT}((84.15-73.65)^2+(87.75-77.55)^2+(93.2-73.9)^2+(71.95-63.18)^2+(87.3-69.5)^2+(89.2-51.65)^2+(83.9-85.6)^2+(83.6-55.5)^2+(85.45-79.75)^2+(71.05-74.5)^2+(84.25-68.15)^2+(90.25-77.45)^2+(90.95-50.65)^2+(99.25-81.65)^2+(69.85-67.35)^2+(86.7-85.4)^2+(85.8-76.1)^2+(90.25-85.75)^2+(88.65-76.6)^2+(79.9-92.75)^2+(95.75-62.75)^2+(90.25-78.95)^2+(88.55-82.7)^2+(89.7-77.5)^2+(86.85-77.65)^2+(84.25-85.2)^2+(86.2-89.65)^2+(97.75-77.95)^2+(90.9-64)^2+(91.25-58.2)^2+(91.67-77.75)^2+(87.25-84.25)^2)$$

$$= 99.62$$

Proses Perhitungan Data Euclidean Distance ke-169

$$(d) = \text{SQRT}((93.5-73.65)^2+(87-77.55)^2+(94.05-73.9)^2+(77.82-63.18)^2+(87.87-69.5)^2+(90.75-51.65)^2+(84.8-85.6)^2+(87.2-$$

$$55.5)^2+(86.1-79.75)^2+(78.25-74.5)^2+(100-68.15)^2+(83.5-77.45)^2+(86-50.65)^2+(91.9-81.65)^2+(61.65-67.35)^2+(88.85-85.4)^2+(86.85-76.1)^2+(73.2-85.75)^2+(89-76.6)^2+(91.1-92.75)^2+(91.05-62.75)^2+(85.65-78.95)^2+(99.48-82.7)^2+(87-77.5)^2+(88.7-77.65)^2+(89-85.2)^2+(92.75-89.65)^2+(82.9-77.95)^2+(87.4-64)^2+(89.25-58.2)^2+(87.75-77.75)^2+(79.6-84.25)^2$$

$$= 99.65$$

Proses Perhitungan Data Euclidean Distance ke-170

$$(d) = \text{SQRT}((90.05-73.65)^2+(79.55-77.55)^2+(91.2-73.9)^2+(77.51-63.18)^2+(80.25-69.5)^2+(79.75-51.65)^2+(84.75-85.6)^2+(87-55.5)^2+(84.9-79.75)^2+(91.95-74.5)^2+(95-68.15)^2+(91.25-77.45)^2+(95.5-50.65)^2+(96.75-81.65)^2+(86-67.35)^2+(84.6-85.4)^2+(85.9-76.1)^2+(76.1-85.75)^2+(92.32-76.6)^2+(90.05-92.75)^2+(84.9-62.75)^2+(90-78.95)^2+(93.7-82.7)^2+(89.95-77.5)^2+(85.5-77.65)^2+(91.3-85.2)^2+(80.25-89.65)^2+(90.55-77.95)^2+(87.75-64)^2+(90.1-58.2)^2+(90.22-77.75)^2+(89.65-84.25)^2)$$

$$= 99.75$$

Proses Perhitungan Data Euclidean Distance ke-171

$$(d) = \text{SQRT}((89.35-73.65)^2+(85-77.55)^2+(96.9-73.9)^2+(84.85-63.18)^2+(91.95-69.5)^2+(92.25-51.65)^2+(79.55-85.6)^2+(81.25-55.5)^2+(87.7-79.75)^2+(89.45-74.5)^2+(98.95-68.15)^2+(90.7-77.45)^2+(85.95-50.65)^2+(78.75-81.65)^2+(92.2-67.35)^2+(91.45-85.4)^2+(85.5-76.1)^2+(77.95-85.75)^2+(82.35-76.6)^2+(88.1-92.75)^2+(82.05-62.75)^2+(88.45-78.95)^2+(82.2-82.7)^2+(82.65-77.5)^2+(80-77.65)^2+(88.35-85.2)^2+(85.15-89.65)^2+(88.8-77.95)^2+(87.35-64)^2+(91.5-58.2)^2+(85.52-77.75)^2+(81.25-84.25)^2)$$

$$= 100.21$$

Proses Perhitungan Data Euclidean Distance ke-172

$$(d) = \text{SQRT}((82-73.65)^2+(85.4-77.55)^2+(91.65-73.9)^2+(77.12-63.18)^2+(93.05-69.5)^2+(93.95-51.65)^2+(86.5-85.6)^2+(88.75-55.5)^2+(94.3-79.75)^2+(84.25-74.5)^2+(90.95-68.15)^2+(81-77.45)^2+(88.38-50.65)^2+(96.1-81.65)^2+(81-67.35)^2+(87.85-85.4)^2+(87.8-76.1)^2+(89.95-85.75)^2+(85.85-76.6)^2+(86.55-92.75)^2+(86-62.75)^2+(82.15-78.95)^2+(96-82.7)^2+(86.35-77.5)^2+(84.25-77.65)^2+(80-85.2)^2+(80.85-89.65)^2+(83.6-77.95)^2+(93.65-64)^2+(89.25-58.2)^2+(92.2-77.75)^2+(80.5-84.25)^2)$$

$$= 100.43$$

Proses Perhitungan Data Euclidean Distance ke-173

$$(d) = \text{SQRT}((90.4-73.65)^2+(74.1-77.55)^2+(90.25-73.9)^2+(73.5-63.18)^2+(83.75-69.5)^2+(81.15-51.65)^2+(86.55-85.6)^2+(91.85-55.5)^2+(82.25-79.75)^2+(91.95-74.5)^2+(95.6-68.15)^2+(90-77.45)^2+(89.5-50.65)^2+(95-81.65)^2+(87.25-67.35)^2+(90.1-85.4)^2+(85.75-76.1)^2+(85-85.75)^2+(81.77-76.6)^2+(74.45-92.75)^2+(82.65-62.75)^2+(85-78.95)^2+(92.65-82.7)^2+(89.45-77.5)^2+(89.2-77.65)^2+(97-85.2)^2+(92.75-89.65)^2+(83.15-77.95)^2+(88.8-64)^2+(97-58.2)^2+(89.66-77.75)^2+(90.45-84.25)^2)$$

$$= 100.64$$

Proses Perhitungan Data Euclidean Distance ke-174

$$(d) = \text{SQRT}((85.95-73.65)^2+(83.75-77.55)^2+(97.25-73.9)^2+(79.85-63.18)^2+(100-69.5)^2+(86.15-51.65)^2+(86-85.6)^2+(81.75-55.5)^2+(91.1-79.75)^2+(89.75-74.5)^2+(100-68.15)^2+(90.7-77.45)^2+(83-50.65)^2+(93-81.65)^2+(87.2-67.35)^2+(92.5-85.4)^2+(91.5-76.1)^2+(82.95-85.75)^2+(81.3-76.6)^2+(88.3-92.75)^2+(81.85-62.75)^2+(87.35-78.95)^2+(85.25-82.7)^2+(88.3-77.5)^2+(88.5-77.65)^2+(91.3-85.2)^2+(81.1-89.65)^2+(88.2-77.95)^2+(86.7-64)^2+(94.75-58.2)^2+(88.58-77.75)^2+(81.75-84.25)^2)$$

$$= 100.73$$

Proses Perhitungan Data Euclidean Distance ke-175

$$(d) = \text{SQRT}((83.1-73.65)^2+(84.25-77.55)^2+(97.55-73.9)^2+(75.97-63.18)^2+(90.45-69.5)^2+(88.95-51.65)^2+(86.1-85.6)^2+(90.2-55.5)^2+(85.95-79.75)^2+(91.2-74.5)^2+(92.55-68.15)^2+(87.25-77.45)^2+(86.5-50.65)^2+(96.7-81.65)^2+(75.85-67.35)^2+(85.65-85.4)^2+(86.25-76.1)^2+(94.5-85.75)^2+(86.95-76.6)^2+(76.6-92.75)^2+(89.75-62.75)^2+(86.9-78.95)^2+(93.5-82.7)^2+(89-77.5)^2+(80.9-77.65)^2+(86.5-85.2)^2+(81.7-89.65)^2+(97.75-77.95)^2+(85.8-64)^2+(89.95-58.2)^2+(93.75-77.75)^2+(91.15-84.25)^2)$$

$$= 101.62$$

Proses Perhitungan Data Euclidean Distance ke-176

$$(d) = \text{SQRT}((93.5-73.65)^2+(81.55-77.55)^2+(94.05-73.9)^2+(78.86-63.18)^2+(88.35-69.5)^2+(96.75-51.65)^2+(80.05-85.6)^2+(89.8-55.5)^2+(84.55-79.75)^2+(81.3-74.5)^2+(98.95-68.15)^2+(83.5-77.45)^2+(87.05-50.65)^2+(93.4-81.65)^2+(73.63-67.35)^2+(85.5-85.4)^2+(89.5-76.1)^2+(78.15-85.75)^2+(79-76.6)^2+(92.35-92.75)^2+(86.75-62.75)^2+(85.95-78.95)^2+(98.51-82.7)^2+(89.5-77.5)^2+(87.8-77.65)^2+(91.5-85.2)^2+(96.25-89.65)^2+(87.95-77.95)^2+(89.95-64)^2+(84.6-58.2)^2+(92.5-77.75)^2+(79.65-84.25)^2)$$

$$= 101.85$$

Proses Perhitungan Data Euclidean Distance ke-177

$$(d) = \text{SQRT}((83.2-73.65)^2+(71-77.55)^2+(96.15-73.9)^2+(74.01-63.18)^2+(85-69.5)^2+(93.5-51.65)^2+(89.05-85.6)^2+(79.3-55.5)^2+(92.25-79.75)^2+(98.45-74.5)^2+(89.6-68.15)^2+(79.75-77.45)^2+(90.5-50.65)^2+(75.75-81.65)^2+(85.25-67.35)^2+(83.5-85.4)^2+(80.8-76.1)^2+(81-85.75)^2+(91.2-76.6)^2+(87.75-92.75)^2+(97.7-62.75)^2+(77.45-78.95)^2+(86.2-82.7)^2+(86.7-77.5)^2+(90.25-77.65)^2+(85.15-85.2)^2+(85.45-89.65)^2+(89.7-77.95)^2+(91.25-64)^2+(90.25-58.2)^2+(93.08-77.75)^2+(80.05-84.25)^2)$$

$$= 101.98$$

Proses Perhitungan Data Euclidean Distance ke-178

$$(d) = \text{SQRT}((90.25-73.65)^2+(89-77.55)^2+(81.95-73.9)^2+(98.75-63.18)^2+(92-69.5)^2+(88.5-51.65)^2+(84.2-85.6)^2+(83-55.5)^2+(96.45-79.75)^2+(67.45-74.5)^2+(84.4-68.15)^2+(90.75-77.45)^2+(98.25-50.65)^2+(86.5-81.65)^2+(77.75-67.35)^2+(92.25-85.4)^2+(80.4-76.1)^2+(78.25-85.75)^2+(82-76.6)^2+(91.75-92.75)^2+(87.5-62.75)^2+(89.75-78.95)^2+(95.75-82.7)^2+(87.5-77.5)^2+(85.3-77.65)^2+(87.7-85.2)^2+(98.95-89.65)^2+(87.25-77.95)^2+(87-64)^2+(88.2-58.2)^2+(85.5-77.75)^2+(88.15-84.25)^2)$$

$$= 102.08$$

Proses Perhitungan Data Euclidean Distance ke-179

$$(d) = \text{SQRT}((93.6-73.65)^2+(91.5-77.55)^2+(88.5-73.9)^2+(82.75-63.18)^2+(91.25-69.5)^2+(63-51.65)^2+(87.7-85.6)^2+(88.05-55.5)^2+(92.75-79.75)^2+(80.8-74.5)^2+(96.3-68.15)^2+(91.15-77.45)^2+(96.75-50.65)^2+(89.15-81.65)^2+(80.25-67.35)^2+(80.5-85.4)^2+(82.1-76.1)^2+(85-85.75)^2+(86.25-76.6)^2+(87.75-92.75)^2+(82.3-62.75)^2+(95.2-78.95)^2+(95.75-82.7)^2+(92.8-77.5)^2+(92.65-77.65)^2+(91.5-85.2)^2+(87.25-89.65)^2+(96.15-77.95)^2+(87.9-64)^2+(98.5-58.2)^2+(74.67-77.75)^2+(85.5-84.25)^2)$$

$$= 102.12$$

Proses Perhitungan Data Euclidean Distance ke-180

$$(d) = \text{SQRT}((82.25-73.65)^2+(84.6-77.55)^2+(83.95-73.9)^2+(64.05-63.18)^2+(0-69.5)^2+(88.85-51.65)^2+(86.85-85.6)^2+(84.6-55.5)^2+(84.2-79.75)^2+(78.15-74.5)^2+(96.15-68.15)^2+(82-77.45)^2+(63.9-50.65)^2+(85.15-81.65)^2+(83-67.35)^2+(82.45-85.4)^2+(84-76.1)^2+(88.75-85.75)^2+(76.85-76.6)^2+(84.45-92.75)^2+(72.55-62.75)^2+(88.45-78.95)^2+(88.7-82.7)^2+(81.85-77.5)^2+(82.95-77.65)^2+(87.25-85.2)^2+(85.2-89.65)^2+(95.25-77.95)^2+(82-64)^2+(86.2-58.2)^2+(82.7-77.75)^2+(88.2-84.25)^2)$$

$$= 102.22$$

Proses Perhitungan Data Euclidean Distance ke-181

$$(d) = \text{SQRT}((90.38-73.65)^2+(81.3-77.55)^2+(97.55-73.9)^2+(85.5-63.18)^2+(97.5-69.5)^2+(86.45-51.65)^2+(84.5-85.6)^2+(86-55.5)^2+(92.1-79.75)^2+(90.3-74.5)^2+(100-68.15)^2+(90.5-77.45)^2+(86.75-50.65)^2+(90.4-81.65)^2+(89.7-67.35)^2+(89.35-85.4)^2+(87.25-76.1)^2+(96.5-85.75)^2+(79.7-76.6)^2+(91.05-92.75)^2+(85.8-62.75)^2+(91.2-78.95)^2+(91.5-82.7)^2+(82.13-77.5)^2+(86.85-77.65)^2+(98.75-85.2)^2+(80-89.65)^2+(91.8-77.95)^2+(82.65-64)^2+(87.25-58.2)^2+(91.1-77.75)^2+(86.5-84.25)^2)$$

$$= 103.54$$

Proses Perhitungan Data Euclidean Distance ke-182

$$(d) = \text{SQRT}((87.8-73.65)^2+(80-77.55)^2+(81.35-73.9)^2+(77.95-63.18)^2+(75.5-69.5)^2+(78.7-51.65)^2+(83-85.6)^2+(84.9-55.5)^2+(80.2-79.75)^2+(87.2-74.5)^2+(85.45-68.15)^2+(84.35-77.45)^2+(85.3-50.65)^2+(84.95-81.65)^2+(86.15-67.35)^2+(92.5-85.4)^2+(74.6-76.1)^2+(82.95-85.75)^2+(0-76.6)^2+(79.4-92.75)^2+(61.6-62.75)^2+(78.15-78.95)^2+(76.25-82.7)^2+(72.95-77.5)^2+(75.7-77.65)^2+(82.15-85.2)^2+(76.4-89.65)^2+(79.8-77.95)^2+(66.55-64)^2+(60.45-58.2)^2+(63.65-77.75)^2+(80.3-84.25)^2)$$

$$= 103.83$$

Proses Perhitungan Data Euclidean Distance ke-183

$$(d) = \text{SQRT}((92.25-73.65)^2+(86.75-77.55)^2+(94.05-73.9)^2+(83.49-63.18)^2+(98-69.5)^2+(97.5-51.65)^2+(87.9-85.6)^2+(89.8-55.5)^2+(87.4-79.75)^2+(82.6-74.5)^2+(88.65-68.15)^2+(82.5-77.45)^2+(90-50.65)^2+(95.15-81.65)^2+(75.65-67.35)^2+(86.05-85.4)^2+(90-76.1)^2+(81.25-85.75)^2+(94-76.6)^2+(92.35-92.75)^2+(88-62.75)^2+(85.9-78.95)^2+(97.03-82.7)^2+(89-77.5)^2+(87.8-77.65)^2+(83-85.2)^2+(90-89.65)^2+(87.7-77.95)^2+(87.3-64)^2+(88.65-58.2)^2+(90.25-77.75)^2+(83.75-84.25)^2)$$

$$= 105.28$$

Proses Perhitungan Data Euclidean Distance ke-184

$$(d) = \text{SQRT}((86.4-73.65)^2+(90.8-77.55)^2+(93-73.9)^2+(82.39-63.18)^2+(81.25-69.5)^2+(88-51.65)^2+(87.4-85.6)^2+(84.95-55.5)^2+(90.25-79.75)^2+(97.75-74.5)^2+(100-68.15)^2+(84.7-77.45)^2+(87.5-50.65)^2+(87.25-81.65)^2+(91.4-67.35)^2+(86.5-85.4)^2+(80.4-76.1)^2+(84.95-85.75)^2+(85.15-76.6)^2+(83.75-92.75)^2+(96.65-62.75)^2+(91.3-78.95)^2+(94.5-82.7)^2+(89.3-$$

$$77.5)^2+(88.7-77.65)^2+(93.8-85.2)^2+(87.25-89.65)^2+(89.05-77.95)^2+(91.75-64)^2+(89.25-58.2)^2+(94-77.75)^2+(87.1-84.25)^2)$$

$$= 105.70$$

Proses Perhitungan Data Euclidean Distance ke-185

$$(d) = \text{SQRT}((87.75-73.65)^2+(90.8-77.55)^2+(92.5-73.9)^2+(81.74-63.18)^2+(97.5-69.5)^2+(90.9-51.65)^2+(84.75-85.6)^2+(85.55-55.5)^2+(87.25-79.75)^2+(94.9-74.5)^2+(98.75-68.15)^2+(89.55-77.45)^2+(87.5-50.65)^2+(89.2-81.65)^2+(85.6-67.35)^2+(88.55-85.4)^2+(82.5-76.1)^2+(79.2-85.75)^2+(84.55-76.6)^2+(93.9-92.75)^2+(95.3-62.75)^2+(92.75-78.95)^2+(93.85-82.7)^2+(89.3-77.5)^2+(89.4-77.65)^2+(94-85.2)^2+(85.5-89.65)^2+(80.75-77.95)^2+(90.1-64)^2+(88.25-58.2)^2+(93.5-77.75)^2+(85.9-84.25)^2)$$

$$= 106.51$$

Proses Perhitungan Data Euclidean Distance ke-186

$$(d) = \text{SQRT}((84.75-73.65)^2+(91.5-77.55)^2+(82.6-73.9)^2+(94.5-63.18)^2+(91-69.5)^2+(86.75-51.65)^2+(82.8-85.6)^2+(83-55.5)^2+(89.7-79.75)^2+(74.85-74.5)^2+(87.2-68.15)^2+(96.75-77.45)^2+(98-50.65)^2+(91-81.65)^2+(95.1-67.35)^2+(88.45-85.4)^2+(81.55-76.1)^2+(84.5-85.75)^2+(97.5-76.6)^2+(86.55-92.75)^2+(89.75-62.75)^2+(97.5-78.95)^2+(93.5-82.7)^2+(86.5-77.5)^2+(90.25-77.65)^2+(87.75-85.2)^2+(96.25-89.65)^2+(87.75-77.95)^2+(86.75-64)^2+(89.25-58.2)^2+(90.5-77.75)^2+(84.05-84.25)^2)$$

$$= 107.25$$

Proses Perhitungan Data Euclidean Distance ke-187

$$(d) = \text{SQRT}((90.9-73.65)^2+(89.85-77.55)^2+(91.7-73.9)^2+(76.96-63.18)^2+(89.75-69.5)^2+(82.7-51.65)^2+(84.6-85.6)^2+(89.9-55.5)^2+(83.7-79.75)^2+(91.7-74.5)^2+(94.7-68.15)^2+(91.25-77.45)^2+(96-50.65)^2+(98.75-81.65)^2+(85.5-67.35)^2+(85.35-85.4)^2+(86-76.1)^2+(82.9-85.75)^2+(93.02-76.6)^2+(75.2-92.75)^2+(83.15-62.75)^2+(85.25-78.95)^2+(92.65-82.7)^2+(92.95-77.5)^2+(87.45-77.65)^2+(97-85.2)^2+(91.7-89.65)^2+(88.45-77.95)^2+(89.75-64)^2+(95.6-58.2)^2+(94.58-77.75)^2+(89.35-84.25)^2)$$

$$= 107.69$$

Proses Perhitungan Data Euclidean Distance ke-188

$$(d) = \text{SQRT}((88.2-73.65)^2+(83-77.55)^2+(96.25-73.9)^2+(82.78-63.18)^2+(93.87-69.5)^2+(92.75-51.65)^2+(85.05-85.6)^2+(89.25-55.5)^2+(88.55-79.75)^2+(90.3-74.5)^2+(96.95-68.15)^2+(89.75-77.45)^2+(90-50.65)^2+(99.25-81.65)^2+(77.38-67.35)^2+(87.25-$$

$$85.4)^2+(90.75-76.1)^2+(90.45-85.75)^2+(94.05-76.6)^2+(88.65-92.75)^2+(92.6-62.75)^2+(88.15-78.95)^2+(83.94-82.7)^2+(89.5-77.5)^2+(89.05-77.65)^2+(85.5-85.2)^2+(96.25-89.65)^2+(88.5-77.95)^2+(91.75-64)^2+(87.55-58.2)^2+(95.25-77.75)^2+(83.75-84.25)^2)$$

$$= 108.26$$

Proses Perhitungan Data Euclidean Distance ke-189

$$(d) = \text{SQRT}((89.95-73.65)^2+(80.55-77.55)^2+(89.3-73.9)^2+(0-63.18)^2+(80.5-69.5)^2+(78.75-51.65)^2+(85.8-85.6)^2+(80.65-55.5)^2+(82.15-79.75)^2+(92.45-74.5)^2+(90.85-68.15)^2+(90-77.45)^2+(82-50.65)^2+(91.05-81.65)^2+(83.75-67.35)^2+(81.95-85.4)^2+(87.25-76.1)^2+(70.85-85.75)^2+(76.07-76.6)^2+(76.8-92.75)^2+(84.4-62.75)^2+(83.75-78.95)^2+(92.7-82.7)^2+(86.2-77.5)^2+(85.25-77.65)^2+(97-85.2)^2+(82.25-89.65)^2+(86.5-77.95)^2+(87.45-64)^2+(94.85-58.2)^2+(90.5-77.75)^2+(86.95-84.25)^2)$$

$$= 109.55$$

Proses Perhitungan Data Euclidean Distance ke-190

$$(d) = \text{SQRT}((82.45-73.65)^2+(71.95-77.55)^2+(88.5-73.9)^2+(72.5-63.18)^2+(71.1-69.5)^2+(77-51.65)^2+(82.2-85.6)^2+(81.15-55.5)^2+(79.7-79.75)^2+(81-74.5)^2+(88-68.15)^2+(69.3-77.45)^2+(86-50.65)^2+(157.45-81.65)^2+(74.25-67.35)^2+(89.5-85.4)^2+(72.35-76.1)^2+(67.95-85.75)^2+(82.5-76.6)^2+(77.3-92.75)^2+(84.45-62.75)^2+(79.75-78.95)^2+(70.03-82.7)^2+(86.5-77.5)^2+(79.2-77.65)^2+(65.45-85.2)^2+(89.45-89.65)^2+(77.65-77.95)^2+(73.31-64)^2+(90-58.2)^2+(78.35-77.75)^2+(80.05-84.25)^2)$$

$$= 110.05$$

Proses Perhitungan Data Euclidean Distance ke-191

$$(d) = \text{SQRT}((80.05-73.65)^2+(62.5-77.55)^2+(94.5-73.9)^2+(72.31-63.18)^2+(69.5-69.5)^2+(77.5-51.65)^2+(83.2-85.6)^2+(85-55.5)^2+(90.75-79.75)^2+(72.5-74.5)^2+(94.4-68.15)^2+(88.75-77.45)^2+(88.2-50.65)^2+(74.9-81.65)^2+(86-67.35)^2+(0-85.4)^2+(72.55-76.1)^2+(72.65-85.75)^2+(72.1-76.6)^2+(60.4-92.75)^2+(80.2-62.75)^2+(76.05-78.95)^2+(82.5-82.7)^2+(80.4-77.5)^2+(78.75-77.65)^2+(80.25-85.2)^2+(81.2-89.65)^2+(86.85-77.95)^2+(70.8-64)^2+(80.6-58.2)^2+(61.03-77.75)^2+(80.45-84.25)^2)$$

$$= 122.26$$

Proses Perhitungan Data Euclidean Distance ke-192

$$(d) = \text{SQRT}((85-73.65)^2+(86.9-77.55)^2+(78.85-73.9)^2+(71.31-63.18)^2+(79.5-69.5)^2+(69.75-51.65)^2+(86.4-85.6)^2+(75.65-$$

$$55.5)^2+(88.5-79.75)^2+(66-74.5)^2+(90.3-68.15)^2+(88.65-77.45)^2+(87.75-50.65)^2+(86.9-81.65)^2+(77.75-67.35)^2+(80.75-85.4)^2+(86.55-76.1)^2+(83.9-85.75)^2+(0-76.6)^2+(0-92.75)^2+(84.4-62.75)^2+(92-78.95)^2+(95.75-82.7)^2+(96.75-77.5)^2+(73.7-77.65)^2+(84.25-85.2)^2+(79.75-89.65)^2+(91.95-77.95)^2+(87.75-64)^2+(84.55-58.2)^2+(80.61-77.75)^2+(79.1-84.25)^2$$

$$= 144.24$$

Proses Perhitungan Data Euclidean Distance ke-193

$$(d) = \text{SQRT}((63.7-73.65)^2+(86.75-77.55)^2+(89.15-73.9)^2+(78.47-63.18)^2+(73.4-69.5)^2+(64.25-51.65)^2+(0-85.6)^2+(86.2-55.5)^2+(79.8-79.75)^2+(79.15-74.5)^2+(0-68.15)^2+(85.3-77.45)^2+(78.45-50.65)^2+(0-81.65)^2+(86.5-67.35)^2+(84.4-85.4)^2+(89.8-76.1)^2+(73.45-85.75)^2+(65.05-76.6)^2+(83.3-92.75)^2+(82.8-62.75)^2+(90.75-78.95)^2+(83.95-82.7)^2+(79-77.5)^2+(74.45-77.65)^2+(88.3-85.2)^2+(80.95-89.65)^2+(87.3-77.95)^2+(77.05-64)^2+(85.6-58.2)^2+(78.32-77.75)^2+(79.55-84.25)^2)$$

$$= 154.47$$

Proses Perhitungan Data Euclidean Distance ke-194

$$(d) = \text{SQRT}((88.85-73.65)^2+(0-77.55)^2+(0-73.9)^2+(0-63.18)^2+(0-69.5)^2+(0-51.65)^2+(0-85.6)^2+(0-55.5)^2+(0-79.75)^2+(84.5-74.5)^2+(83.95-68.15)^2+(79.6-77.45)^2+(85.45-50.65)^2+(93.2-81.65)^2+(74.95-67.35)^2+(82.15-85.4)^2+(89.5-76.1)^2+(77.65-85.75)^2+(77.8-76.6)^2+(81.55-92.75)^2+(82.25-62.75)^2+(84.4-78.95)^2+(86-82.7)^2+(84.2-77.5)^2+(79-77.65)^2+(83.95-85.2)^2+(86.95-89.65)^2+(84.5-77.95)^2+(84.75-64)^2+(78.95-58.2)^2+(85.15-77.75)^2+(82.35-84.25)^2)$$

$$= 208.67$$

Proses Perhitungan Data Euclidean Distance ke-195

$$(d) = \text{SQRT}((87.45-73.65)^2+(0-77.55)^2+(0-73.9)^2+(0-63.18)^2+(0-69.5)^2+(0-51.65)^2+(0-85.6)^2+(0-55.5)^2+(0-79.75)^2+(83.6-74.5)^2+(87.95-68.15)^2+(85.3-77.45)^2+(87.25-50.65)^2+(89.75-81.65)^2+(84.2-67.35)^2+(81.15-85.4)^2+(88.5-76.1)^2+(77.05-85.75)^2+(80.35-76.6)^2+(75.2-92.75)^2+(83.35-62.75)^2+(88-78.95)^2+(80.4-82.7)^2+(79-77.5)^2+(78.45-77.65)^2+(92.3-85.2)^2+(89.4-89.65)^2+(87.7-77.95)^2+(84.5-64)^2+(80.75-58.2)^2+(82.35-77.75)^2+(76.25-84.25)^2)$$

$$= 210.69$$

Proses Perhitungan Data Euclidean Distance ke-196

$$(d) = \text{SQRT}((88.85-73.65)^2+(0-77.55)^2+(0-73.9)^2+(0-63.18)^2+(0-69.5)^2+(0-51.65)^2+(0-85.6)^2+(0-55.5)^2+(0-79.75)^2+(81.2-74.5)^2+(87.45-68.15)^2+(79.35-77.45)^2+(80.5-50.65)^2+(92-81.65)^2+(86.5-67.35)^2+(81.25-85.4)^2+(88.5-76.1)^2+(79.25-85.75)^2+(77.35-76.6)^2+(67.2-92.75)^2+(85.25-62.75)^2+(86.95-78.95)^2+(84.75-82.7)^2+(83.5-77.5)^2+(78.5-77.65)^2+(82.25-85.2)^2+(88.5-89.65)^2+(90.5-77.95)^2+(86.4-64)^2+(81.25-58.2)^2+(88.75-77.75)^2+(78.55-84.25)^2)$$

$$= 211.14$$

Proses Perhitungan Data Euclidean Distance ke-197

$$(d) = \text{SQRT}((87.45-73.65)^2+(0-77.55)^2+(0-73.9)^2+(0-63.18)^2+(0-69.5)^2+(0-51.65)^2+(0-85.6)^2+(0-55.5)^2+(0-79.75)^2+(82.45-74.5)^2+(87.75-68.15)^2+(79.35-77.45)^2+(85.25-50.65)^2+(94.5-81.65)^2+(75.5-67.35)^2+(85-85.4)^2+(83.75-76.1)^2+(78.95-85.75)^2+(76.85-76.6)^2+(68.75-92.75)^2+(84.2-62.75)^2+(86-78.95)^2+(80.2-82.7)^2+(82-77.5)^2+(85.7-77.65)^2+(80.95-85.2)^2+(82.75-89.65)^2+(86.25-77.95)^2+(87.65-64)^2+(84.05-58.2)^2+(86.25-77.75)^2+(75.05-84.25)^2)$$

$$= 211.20$$

Proses Perhitungan Data Euclidean Distance ke-198

$$(d) = \text{SQRT}((87.45-73.65)^2+(0-77.55)^2+(0-73.9)^2+(0-63.18)^2+(0-69.5)^2+(0-51.65)^2+(0-85.6)^2+(0-55.5)^2+(0-79.75)^2+(81.2-74.5)^2+(91.2-68.15)^2+(79.2-77.45)^2+(83.45-50.65)^2+(90.25-81.65)^2+(80.75-67.35)^2+(83.95-85.4)^2+(89-76.1)^2+(88.35-85.75)^2+(82.3-76.6)^2+(77.9-92.75)^2+(85.45-62.75)^2+(88.55-78.95)^2+(78.95-82.7)^2+(78.95-77.5)^2+(84.95-77.65)^2+(91.95-85.2)^2+(88.7-89.65)^2+(88.75-77.95)^2+(87.15-64)^2+(91.6-58.2)^2+(87.4-77.75)^2+(74.95-84.25)^2)$$

$$= 211.97$$

Proses Perhitungan Data Euclidean Distance ke-199

$$(d) = \text{SQRT}((88.85-73.65)^2+(0-77.55)^2+(0-73.9)^2+(0-63.18)^2+(0-69.5)^2+(0-51.65)^2+(0-85.6)^2+(0-55.5)^2+(0-79.75)^2+(85.75-74.5)^2+(93.2-68.15)^2+(85.45-77.45)^2+(81.75-50.65)^2+(95.5-81.65)^2+(80.75-67.35)^2+(79.4-85.4)^2+(83-76.1)^2+(76.45-85.75)^2+(86.65-76.6)^2+(79.7-92.75)^2+(85.9-62.75)^2+(88.3-78.95)^2+(84.95-82.7)^2+(98.25-77.5)^2+(82.9-77.65)^2+(84-85.2)^2+(85.9-89.65)^2+(97-77.95)^2+(84.2-64)^2+(82.7-58.2)^2+(91.2-77.75)^2+(75.55-84.25)^2)$$

$$= 212.82$$

Proses Perhitungan Data Euclidean Distance ke-200

$$(d) = \text{SQRT}((87.45-73.65)^2+(0-77.55)^2+(0-73.9)^2+(0-63.18)^2+(0-69.5)^2+(0-51.65)^2+(0-85.6)^2+(0-55.5)^2+(0-79.75)^2+(85.15-74.5)^2+(89-68.15)^2+(76.45-77.45)^2+(82.15-50.65)^2+(94.45-81.65)^2+(83.15-67.35)^2+(82.5-85.4)^2+(88.5-76.1)^2+(75.6-85.75)^2+(75.8-76.6)^2+(75-92.75)^2+(84.2-62.75)^2+(85.6-78.95)^2+(80.7-82.7)^2+(80.5-77.5)^2+(80.25-77.65)^2+(85.2-85.2)^2+(86.25-89.65)^2+(90.5-77.95)^2+(93.55-64)^2+(93.3-58.2)^2+(82.7-77.75)^2+(76-84.25)^2)$$

$$= 212.95$$

Proses Perhitungan Data Euclidean Distance ke-201

$$(d) = \text{SQRT}((88.85-73.65)^2+(0-77.55)^2+(0-73.9)^2+(0-63.18)^2+(0-69.5)^2+(0-51.65)^2+(0-85.6)^2+(0-55.5)^2+(0-79.75)^2+(92.7-74.5)^2+(88.15-68.15)^2+(90.75-77.45)^2+(86.5-50.65)^2+(84.15-81.65)^2+(79.9-67.35)^2+(84.75-85.4)^2+(78.25-76.1)^2+(91.5-85.75)^2+(80.05-76.6)^2+(85.35-92.75)^2+(86.5-62.75)^2+(85.6-78.95)^2+(93-82.7)^2+(86.25-77.5)^2+(80.3-77.65)^2+(100-85.2)^2+(76.3-89.65)^2+(91-77.95)^2+(93.65-64)^2+(82.45-58.2)^2+(89.75-77.75)^2+(82.2-84.25)^2)$$

$$= 213.09$$

Proses Perhitungan Data Euclidean Distance ke-202

$$(d) = \text{SQRT}((83.3-73.65)^2+(0-77.55)^2+(0-73.9)^2+(0-63.18)^2+(0-69.5)^2+(0-51.65)^2+(0-85.6)^2+(0-55.5)^2+(0-79.75)^2+(87.25-74.5)^2+(87.25-68.15)^2+(85.5-77.45)^2+(90-50.65)^2+(90.9-81.65)^2+(83.2-67.35)^2+(87.95-85.4)^2+(77.9-76.1)^2+(87.25-85.75)^2+(79-76.6)^2+(66.95-92.75)^2+(85.25-62.75)^2+(86.4-78.95)^2+(93-82.7)^2+(86.25-77.5)^2+(83.35-77.65)^2+(89.4-85.2)^2+(74.55-89.65)^2+(89.25-77.95)^2+(89.35-64)^2+(81.65-58.2)^2+(89.75-77.75)^2+(82-84.25)^2)$$

$$= 213.26$$

Proses Perhitungan Data Euclidean Distance ke-203

$$(d) = \text{SQRT}((88.85-73.65)^2+(0-77.55)^2+(0-73.9)^2+(0-63.18)^2+(0-69.5)^2+(0-51.65)^2+(0-85.6)^2+(0-55.5)^2+(0-79.75)^2+(83.3-74.5)^2+(84.95-68.15)^2+(87.6-77.45)^2+(86.5-50.65)^2+(94-81.65)^2+(81.25-67.35)^2+(85.5-85.4)^2+(85-76.1)^2+(78.65-85.75)^2+(79.5-76.6)^2+(67.5-92.75)^2+(85.25-62.75)^2+(90.4-78.95)^2+(80-82.7)^2+(92.5-77.5)^2+(85.5-77.65)^2+(85.7-85.2)^2+(88.75-89.65)^2+(86.25-77.95)^2+(86-64)^2+(90.45-58.2)^2+(87.75-77.75)^2+(75.9-84.25)^2)$$

$$= 213.37$$

Proses Perhitungan Data Euclidean Distance ke-204

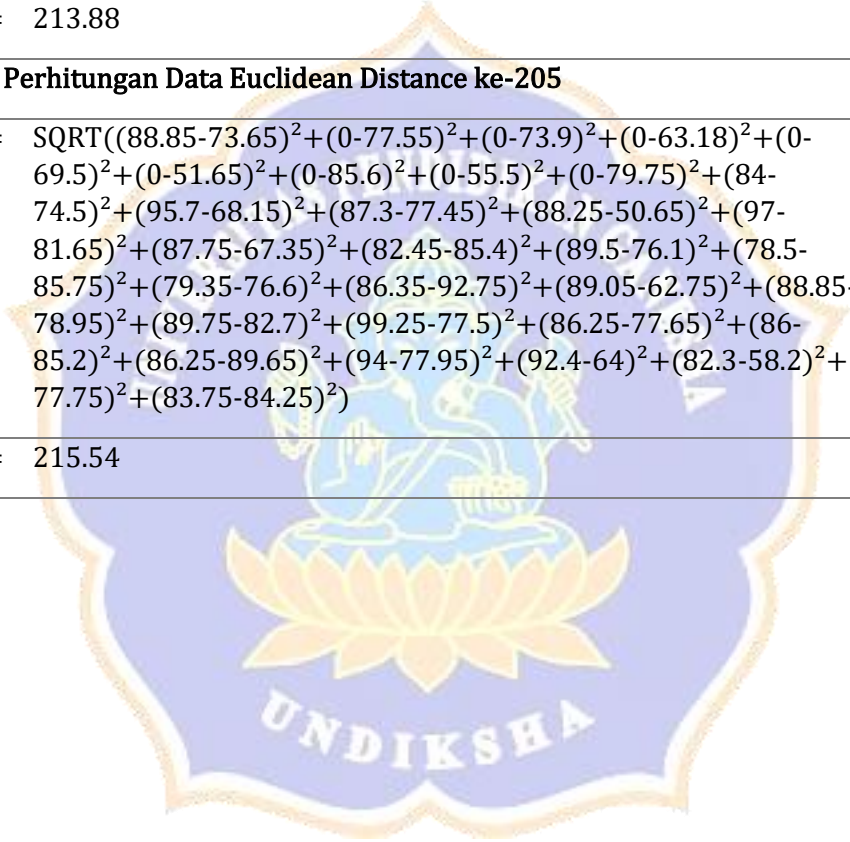
$$(d) = \text{SQRT}((84.87-73.65)^2+(0-77.55)^2+(0-73.9)^2+(0-63.18)^2+(0-69.5)^2+(0-51.65)^2+(0-85.6)^2+(0-55.5)^2+(0-79.75)^2+(87.75-74.5)^2+(87.3-68.15)^2+(85.5-77.45)^2+(90-50.65)^2+(92.15-81.65)^2+(82.45-67.35)^2+(82.5-85.4)^2+(76.85-76.1)^2+(88.5-85.75)^2+(77.95-76.6)^2+(61.75-92.75)^2+(84.2-62.75)^2+(85.95-78.95)^2+(91.95-82.7)^2+(84.15-77.5)^2+(82.3-77.65)^2+(90.45-85.2)^2+(73-89.65)^2+(88.2-77.95)^2+(90.7-64)^2+(80.75-58.2)^2+(88.7-77.75)^2+(83.4-84.25)^2)$$

$$= 213.88$$

Proses Perhitungan Data Euclidean Distance ke-205

$$(d) = \text{SQRT}((88.85-73.65)^2+(0-77.55)^2+(0-73.9)^2+(0-63.18)^2+(0-69.5)^2+(0-51.65)^2+(0-85.6)^2+(0-55.5)^2+(0-79.75)^2+(84-74.5)^2+(95.7-68.15)^2+(87.3-77.45)^2+(88.25-50.65)^2+(97-81.65)^2+(87.75-67.35)^2+(82.45-85.4)^2+(89.5-76.1)^2+(78.5-85.75)^2+(79.35-76.6)^2+(86.35-92.75)^2+(89.05-62.75)^2+(88.85-78.95)^2+(89.75-82.7)^2+(99.25-77.5)^2+(86.25-77.65)^2+(86-85.2)^2+(86.25-89.65)^2+(94-77.95)^2+(92.4-64)^2+(82.3-58.2)^2+(89.95-77.75)^2+(83.75-84.25)^2)$$

$$= 215.54$$



Lampiran 8 Perhitungan Teknik SMOTE pada kelas Enterprise Systems

Pembuatan Data Sintetik dengan SMOTE untuk Kelas Enterprise Systems ke-1

$$P(\text{titik sample}) = \{73.65, 77.55, 73.9, 63.18, 69.5, 51.65, 85.6, 55.5, 79.75, 74.5, 68.15, 77.45, 50.65, 81.65, 67.35, 85.4, 76.1, 85.75, 76.6, 92.75, 62.75, 78.95, 82.7, 77.5, 77.65, 85.2, 89.65, 77.95, 64, 58.2, 77.75, 84.25\}$$

$$T(\text{tetangga acuan}) = \{70.9, 77.95, 93.25, 67.77, 67.35, 59.2, 86, 64.95, 80.7, 75.75, 80.55, 77.3, 60.3, 73.1, 88.25, 83.6, 77.9, 70.5, 77.95, 84.4, 75.45, 73.1, 90.15, 79.95, 92.9, 88.2, 83.6, 91.5, 76.7, 81.4, 79.95, 74.75\}$$

$$\text{rand} = 0.1$$

$$(T - P) = \{2.75, 0.4, 19.35, 4.59, 2.15, 7.55, 0.4, 9.45, 0.95, 1.25, 12.4, 0.15, 9.65, 8.55, 20.9, 1.8, 1.8, 15.25, 1.35, 8.35, 12.7, 5.85, 7.45, 2.45, 15.25, 3, 6.05, 13.55, 12.7, 23.2, 2.2, 9.5\}$$

$$\text{rand} \cdot (T - P) = \{0.28, 0.04, 1.94, 0.46, 0.22, 0.76, 0.04, 0.95, 0.10, 0.13, 1.24, 0.02, 0.97, 0.86, 2.09, 0.18, 0.18, 1.53, 0.14, 0.84, 1.27, 0.59, 0.75, 0.25, 1.53, 0.30, 0.61, 1.36, 1.27, 2.32, 0.22, 0.95\}$$

$$X_{\text{new}} = P + (\text{rand} \cdot (T - P)) = \{73.93, 77.59, 75.84, 63.64, 69.72, 52.41, 85.64, 56.45, 79.85, 74.63, 69.39, 77.47, 51.62, 82.51, 69.44, 85.58, 76.28, 87.28, 76.74, 93.59, 64.02, 79.54, 83.45, 77.75, 79.18, 85.50, 90.26, 79.31, 65.27, 60.52, 77.97, 85.20\}$$

Pembuatan Data Sintetik dengan SMOTE untuk Kelas Enterprise Systems ke-2

$$P(\text{titik sample}) = \{73.65, 77.55, 73.9, 63.18, 69.5, 51.65, 85.6, 55.5, 79.75, 74.5, 68.15, 77.45, 50.65, 81.65, 67.35, 85.4, 76.1, 85.75, 76.6, 92.75, 62.75, 78.95, 82.7, 77.5, 77.65, 85.2, 89.65, 77.95, 64, 58.2, 77.75, 84.25\}$$

$$T(\text{tetangga acuan}) = \{70.9, 77.95, 93.25, 67.77, 67.35, 59.2, 86, 64.95, 80.7, 75.75, 80.55, 77.3, 60.3, 73.1, 88.25, 83.6, 77.9, 70.5, 77.95, 84.4, 75.45, 73.1, 90.15, 79.95, 92.9, 88.2, 83.6, 91.5, 76.7, 81.4, 79.95, 74.75\}$$

$$\text{rand} = 0.2$$

$$(T - P) = \{2.75, 0.4, 19.35, 4.59, 2.15, 7.55, 0.4, 9.45, 0.95, 1.25, 12.4, 0.15, 9.65, 8.55, 20.9, 1.8, 1.8, 15.25, 1.35, 8.35, 12.7, 5.85, 7.45, 2.45, 15.25, 3, 6.05, 13.55, 12.7, 23.2, 2.2, 9.5\}$$

$$\text{rand} \cdot (T - P) = \{0.55, 0.08, 3.87, 0.92, 0.43, 1.51, 0.08, 1.89, 0.19, 0.25, 2.48, 0.03, 1.93, 1.71, 4.18, 0.36, 0.36, 3.05, 0.27, 1.67, 2.54, 1.17, 1.49, 0.49, 3.05, 0.60, 1.21, 2.71, 2.54, 4.64, 0.44, 1.90\}$$

$$\begin{aligned} X_{\text{new}} = P + (\text{rand} \cdot (T - P)) &= \{74.20, 77.63, 77.77, 64.10, 69.93, 53.16, 85.68, 57.39, 79.94, \\ &74.75, 70.63, 77.48, 52.58, 83.36, 71.53, 85.76, 76.46, 88.80, \\ &76.87, 94.42, 65.29, 80.12, 84.19, 77.99, 80.70, 85.80, 90.86, \\ &80.66, 66.54, 62.84, 78.19, 86.15\} \end{aligned}$$

Pembuatan Data Sintetik dengan SMOTE untuk Kelas Enterprise Systems ke-3

$$\begin{aligned} P(\text{titik sample}) &= \{73.65, 77.55, 73.9, 63.18, 69.5, 51.65, 85.6, 55.5, 79.75, 74.5, \\ &68.15, 77.45, 50.65, 81.65, 67.35, 85.4, 76.1, 85.75, 76.6, \\ &92.75, 62.75, 78.95, 82.7, 77.5, 77.65, 85.2, 89.65, 77.95, 64, \\ &58.2, 77.75, 84.25\} \end{aligned}$$

$$\begin{aligned} T(\text{tetangga acuan}) &= \{70.9, 77.95, 93.25, 67.77, 67.35, 59.2, 86, 64.95, 80.7, 75.75, \\ &80.55, 77.3, 60.3, 73.1, 88.25, 83.6, 77.9, 70.5, 77.95, 84.4, \\ &75.45, 73.1, 90.15, 79.95, 92.9, 88.2, 83.6, 91.5, 76.7, 81.4, \\ &79.95, 74.75\} \end{aligned}$$

$$\text{rand} = 0.3$$

$$\begin{aligned} (T - P) &= \{2.75, 0.4, 19.35, 4.59, 2.15, 7.55, 0.4, 9.45, 0.95, 1.25, 12.4, \\ &0.15, 9.65, 8.55, 20.9, 1.8, 1.8, 15.25, 1.35, 8.35, 12.7, 5.85, \\ &7.45, 2.45, 15.25, 3, 6.05, 13.55, 12.7, 23.2, 2.2, 9.5\} \end{aligned}$$

$$\begin{aligned} \text{rand} \cdot (T - P) &= \{0.83, 0.12, 5.81, 1.38, 0.65, 2.27, 0.12, 2.84, 0.29, 0.38, 3.72, \\ &0.05, 2.90, 2.57, 6.27, 0.54, 0.54, 4.58, 0.41, 2.51, 3.81, 1.76, \\ &2.24, 0.74, 4.58, 0.90, 1.82, 4.07, 3.81, 6.96, 0.66, 2.85\} \end{aligned}$$

$$\begin{aligned} X_{\text{new}} = P + (\text{rand} \cdot (T - P)) &= \{74.48, 77.67, 79.71, 64.56, 70.15, 53.92, 85.72, 58.34, 80.04, \\ &74.88, 71.87, 77.50, 53.55, 84.22, 73.62, 85.94, 76.64, 90.33, \\ &77.01, 95.26, 66.56, 80.71, 84.94, 78.24, 82.23, 86.10, 91.47, \\ &82.02, 67.81, 65.16, 78.41, 87.10\} \end{aligned}$$

Pembuatan Data Sintetik dengan SMOTE untuk Kelas Enterprise Systems ke-4

$$\begin{aligned} P(\text{titik sample}) &= \{73.65, 77.55, 73.9, 63.18, 69.5, 51.65, 85.6, 55.5, 79.75, 74.5, \\ &68.15, 77.45, 50.65, 81.65, 67.35, 85.4, 76.1, 85.75, 76.6, \\ &92.75, 62.75, 78.95, 82.7, 77.5, 77.65, 85.2, 89.65, 77.95, 64, \\ &58.2, 77.75, 84.25\} \end{aligned}$$

$$\begin{aligned} T(\text{tetangga acuan}) &= \{70.9, 77.95, 93.25, 67.77, 67.35, 59.2, 86, 64.95, 80.7, 75.75, \\ &80.55, 77.3, 60.3, 73.1, 88.25, 83.6, 77.9, 70.5, 77.95, 84.4, \\ &75.45, 73.1, 90.15, 79.95, 92.9, 88.2, 83.6, 91.5, 76.7, 81.4, \\ &79.95, 74.75\} \end{aligned}$$

$$\text{rand} = 0.4$$

$$\begin{aligned} (T - P) &= \{2.75, 0.4, 19.35, 4.59, 2.15, 7.55, 0.4, 9.45, 0.95, 1.25, 12.4, \\ &0.15, 9.65, 8.55, 20.9, 1.8, 1.8, 15.25, 1.35, 8.35, 12.7, 5.85, \\ &7.45, 2.45, 15.25, 3, 6.05, 13.55, 12.7, 23.2, 2.2, 9.5\} \end{aligned}$$

$$\text{rand . (T - P)} = \{1.10, 0.16, 7.74, 1.84, 0.86, 3.02, 0.16, 3.78, 0.38, 0.50, 4.96, 0.06, 3.86, 3.42, 8.36, 0.72, 0.72, 6.10, 0.54, 3.34, 5.08, 2.34, 2.98, 0.98, 6.10, 1.20, 2.42, 5.42, 5.08, 9.28, 0.88, 3.80\}$$

$$\text{Xnew = P + (rand . (T - P))} = \{74.75, 77.71, 81.64, 65.02, 70.36, 54.67, 85.76, 59.28, 80.13, 75.00, 73.11, 77.51, 54.51, 85.07, 75.71, 86.12, 76.82, 91.85, 77.14, 96.09, 67.83, 81.29, 85.68, 78.48, 83.75, 86.40, 92.07, 83.37, 69.08, 67.48, 78.63, 88.05\}$$

Pembuatan Data Sintetik dengan SMOTE untuk Kelas Enterprise Systems ke-5

$$\text{P(titik sample)} = \{73.65, 77.55, 73.9, 63.18, 69.5, 51.65, 85.6, 55.5, 79.75, 74.5, 68.15, 77.45, 50.65, 81.65, 67.35, 85.4, 76.1, 85.75, 76.6, 92.75, 62.75, 78.95, 82.7, 77.5, 77.65, 85.2, 89.65, 77.95, 64, 58.2, 77.75, 84.25\}$$

$$\text{T(tetangga acuan)} = \{70.9, 77.95, 93.25, 67.77, 67.35, 59.2, 86, 64.95, 80.7, 75.75, 80.55, 77.3, 60.3, 73.1, 88.25, 83.6, 77.9, 70.5, 77.95, 84.4, 75.45, 73.1, 90.15, 79.95, 92.9, 88.2, 83.6, 91.5, 76.7, 81.4, 79.95, 74.75\}$$

$$\text{rand} = 0.5$$

$$\text{(T - P)} = \{2.75, 0.4, 19.35, 4.59, 2.15, 7.55, 0.4, 9.45, 0.95, 1.25, 12.4, 0.15, 9.65, 8.55, 20.9, 1.8, 1.8, 15.25, 1.35, 8.35, 12.7, 5.85, 7.45, 2.45, 15.25, 3, 6.05, 13.55, 12.7, 23.2, 2.2, 9.5\}$$

$$\text{rand . (T - P)} = \{1.38, 0.20, 9.68, 2.30, 1.08, 3.78, 0.20, 4.73, 0.48, 0.63, 6.20, 0.08, 4.83, 4.28, 10.45, 0.90, 0.90, 7.63, 0.68, 4.18, 6.35, 2.93, 3.73, 1.23, 7.63, 1.50, 3.03, 6.78, 6.35, 11.60, 1.10, 4.75\}$$

$$\text{Xnew = P + (rand . (T - P))} = \{75.03, 77.75, 83.58, 65.48, 70.58, 55.43, 85.80, 60.23, 80.23, 75.13, 74.35, 77.53, 55.48, 85.93, 77.80, 86.30, 77.00, 93.38, 77.28, 96.93, 69.10, 81.88, 86.43, 78.73, 85.28, 86.70, 92.68, 84.73, 70.35, 69.80, 78.85, 89.00\}$$

Pembuatan Data Sintetik dengan SMOTE untuk Kelas Enterprise Systems ke-6

$$\text{P(titik sample)} = \{73.65, 77.55, 73.9, 63.18, 69.5, 51.65, 85.6, 55.5, 79.75, 74.5, 68.15, 77.45, 50.65, 81.65, 67.35, 85.4, 76.1, 85.75, 76.6, 92.75, 62.75, 78.95, 82.7, 77.5, 77.65, 85.2, 89.65, 77.95, 64, 58.2, 77.75, 84.25\}$$

$$\text{T(tetangga acuan)} = \{70.9, 77.95, 93.25, 67.77, 67.35, 59.2, 86, 64.95, 80.7, 75.75, 80.55, 77.3, 60.3, 73.1, 88.25, 83.6, 77.9, 70.5, 77.95, 84.4, 75.45, 73.1, 90.15, 79.95, 92.9, 88.2, 83.6, 91.5, 76.7, 81.4, 79.95, 74.75\}$$

$$\text{rand} = 0.6$$

(T - P)	=	{2.75, 0.4, 19.35, 4.59, 2.15, 7.55, 0.4, 9.45, 0.95, 1.25, 12.4, 0.15, 9.65, 8.55, 20.9, 1.8, 1.8, 15.25, 1.35, 8.35, 12.7, 5.85, 7.45, 2.45, 15.25, 3, 6.05, 13.55, 12.7, 23.2, 2.2, 9.5}
rand . (T - P)	=	{1.65, 0.24, 11.61, 2.75, 1.29, 4.53, 0.24, 5.67, 0.57, 0.75, 7.44, 0.09, 5.79, 5.13, 12.54, 1.08, 1.08, 9.15, 0.81, 5.01, 7.62, 3.51, 4.47, 1.47, 9.15, 1.80, 3.63, 8.13, 7.62, 13.92, 1.32, 5.70}
Xnew = P + (rand . (T - P))	=	{75.30, 77.79, 85.51, 65.93, 70.79, 56.18, 85.84, 61.17, 80.32, 75.25, 75.59, 77.54, 56.44, 86.78, 79.89, 86.48, 77.18, 94.90, 77.41, 97.76, 70.37, 82.46, 87.17, 78.97, 86.80, 87.00, 93.28, 86.08, 71.62, 72.12, 79.07, 89.95}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas Enterprise Systems ke-7

P(titik sample)	=	{73.65, 77.55, 73.9, 63.18, 69.5, 51.65, 85.6, 55.5, 79.75, 74.5, 68.15, 77.45, 50.65, 81.65, 67.35, 85.4, 76.1, 85.75, 76.6, 92.75, 62.75, 78.95, 82.7, 77.5, 77.65, 85.2, 89.65, 77.95, 64, 58.2, 77.75, 84.25}
T(tetangga acuan)	=	{70.9, 77.95, 93.25, 67.77, 67.35, 59.2, 86, 64.95, 80.7, 75.75, 80.55, 77.3, 60.3, 73.1, 88.25, 83.6, 77.9, 70.5, 77.95, 84.4, 75.45, 73.1, 90.15, 79.95, 92.9, 88.2, 83.6, 91.5, 76.7, 81.4, 79.95, 74.75}
rand	=	0.7
(T - P)	=	{2.75, 0.4, 19.35, 4.59, 2.15, 7.55, 0.4, 9.45, 0.95, 1.25, 12.4, 0.15, 9.65, 8.55, 20.9, 1.8, 1.8, 15.25, 1.35, 8.35, 12.7, 5.85, 7.45, 2.45, 15.25, 3, 6.05, 13.55, 12.7, 23.2, 2.2, 9.5}
rand . (T - P)	=	{1.93, 0.28, 13.55, 3.21, 1.51, 5.29, 0.28, 6.62, 0.67, 0.88, 8.68, 0.11, 6.76, 5.99, 14.63, 1.26, 1.26, 10.68, 0.95, 5.85, 8.89, 4.10, 5.22, 1.72, 10.68, 2.10, 4.24, 9.49, 8.89, 16.24, 1.54, 6.65}
Xnew = P + (rand . (T - P))	=	{75.58, 77.83, 87.45, 66.39, 71.01, 56.94, 85.88, 62.12, 80.42, 75.38, 76.83, 77.56, 57.41, 87.64, 81.98, 86.66, 77.36, 96.43, 77.55, 98.60, 71.64, 83.05, 87.92, 79.22, 88.33, 87.30, 93.89, 87.44, 72.89, 74.44, 79.29, 90.90}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas Enterprise Systems ke-8

P(titik sample)	=	{73.65, 77.55, 73.9, 63.18, 69.5, 51.65, 85.6, 55.5, 79.75, 74.5, 68.15, 77.45, 50.65, 81.65, 67.35, 85.4, 76.1, 85.75, 76.6, 92.75, 62.75, 78.95, 82.7, 77.5, 77.65, 85.2, 89.65, 77.95, 64, 58.2, 77.75, 84.25}
T(tetangga acuan)	=	{70.9, 77.95, 93.25, 67.77, 67.35, 59.2, 86, 64.95, 80.7, 75.75, 80.55, 77.3, 60.3, 73.1, 88.25, 83.6, 77.9, 70.5, 77.95, 84.4, 75.45, 73.1, 90.15, 79.95, 92.9, 88.2, 83.6, 91.5, 76.7, 81.4, 79.95, 74.75}

		75.45, 73.1, 90.15, 79.95, 92.9, 88.2, 83.6, 91.5, 76.7, 81.4, 79.95, 74.75}
rand	=	0.8
(T - P)	=	{2.75, 0.4, 19.35, 4.59, 2.15, 7.55, 0.4, 9.45, 0.95, 1.25, 12.4, 0.15, 9.65, 8.55, 20.9, 1.8, 1.8, 15.25, 1.35, 8.35, 12.7, 5.85, 7.45, 2.45, 15.25, 3, 6.05, 13.55, 12.7, 23.2, 2.2, 9.5}
rand . (T - P)	=	{2.20, 0.32, 15.48, 3.67, 1.72, 6.04, 0.32, 7.56, 0.76, 1.00, 9.92, 0.12, 7.72, 6.84, 16.72, 1.44, 1.44, 12.20, 1.08, 6.68, 10.16, 4.68, 5.96, 1.96, 12.20, 2.40, 4.84, 10.84, 10.16, 18.56, 1.76, 7.60}
Xnew = P + (rand . (T - P))	=	{75.85, 77.87, 89.38, 66.85, 71.22, 57.69, 85.92, 63.06, 80.51, 75.50, 78.07, 77.57, 58.37, 88.49, 84.07, 86.84, 77.54, 97.95, 77.68, 99.43, 72.91, 83.63, 88.66, 79.46, 89.85, 87.60, 94.49, 88.79, 74.16, 76.76, 79.51, 91.85}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Enterprise Systems ke-9		
P(titik sample)	=	{73.65, 77.55, 73.9, 63.18, 69.5, 51.65, 85.6, 55.5, 79.75, 74.5, 68.15, 77.45, 50.65, 81.65, 67.35, 85.4, 76.1, 85.75, 76.6, 92.75, 62.75, 78.95, 82.7, 77.5, 77.65, 85.2, 89.65, 77.95, 64, 58.2, 77.75, 84.25}
T(tetangga acuan)	=	{70.9, 77.95, 93.25, 67.77, 67.35, 59.2, 86, 64.95, 80.7, 75.75, 80.55, 77.3, 60.3, 73.1, 88.25, 83.6, 77.9, 70.5, 77.95, 84.4, 75.45, 73.1, 90.15, 79.95, 92.9, 88.2, 83.6, 91.5, 76.7, 81.4, 79.95, 74.75}
rand	=	0.9
(T - P)	=	{2.75, 0.4, 19.35, 4.59, 2.15, 7.55, 0.4, 9.45, 0.95, 1.25, 12.4, 0.15, 9.65, 8.55, 20.9, 1.8, 1.8, 15.25, 1.35, 8.35, 12.7, 5.85, 7.45, 2.45, 15.25, 3, 6.05, 13.55, 12.7, 23.2, 2.2, 9.5}
rand . (T - P)	=	{2.48, 0.36, 17.42, 4.13, 1.94, 6.80, 0.36, 8.51, 0.86, 1.13, 11.16, 0.14, 8.69, 7.70, 18.81, 1.62, 1.62, 13.73, 1.22, 7.52, 11.43, 5.27, 6.71, 2.21, 13.73, 2.70, 5.45, 12.20, 11.43, 20.88, 1.98, 8.55}
Xnew = P + (rand . (T - P))	=	{76.13, 77.91, 91.32, 67.31, 71.44, 58.45, 85.96, 64.01, 80.61, 75.63, 79.31, 77.59, 59.34, 89.35, 86.16, 87.02, 77.72, 99.48, 77.82, 100.27, 74.18, 84.22, 89.41, 79.71, 91.38, 87.90, 95.10, 90.15, 75.43, 79.08, 79.73, 92.80}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Enterprise Systems ke-10		
P(titik sample)	=	{73.65, 77.55, 73.9, 63.18, 69.5, 51.65, 85.6, 55.5, 79.75, 74.5, 68.15, 77.45, 50.65, 81.65, 67.35, 85.4, 76.1, 85.75, 76.6,

		92.75, 62.75, 78.95, 82.7, 77.5, 77.65, 85.2, 89.65, 77.95, 64, 58.2, 77.75, 84.25}
T(tetangga acuan)	=	{70.9, 77.95, 93.25, 67.77, 67.35, 59.2, 86, 64.95, 80.7, 75.75, 80.55, 77.3, 60.3, 73.1, 88.25, 83.6, 77.9, 70.5, 77.95, 84.4, 75.45, 73.1, 90.15, 79.95, 92.9, 88.2, 83.6, 91.5, 76.7, 81.4, 79.95, 74.75}
rand	=	1
(T - P)	=	{2.75, 0.4, 19.35, 4.59, 2.15, 7.55, 0.4, 9.45, 0.95, 1.25, 12.4, 0.15, 9.65, 8.55, 20.9, 1.8, 1.8, 15.25, 1.35, 8.35, 12.7, 5.85, 7.45, 2.45, 15.25, 3, 6.05, 13.55, 12.7, 23.2, 2.2, 9.5}
rand . (T - P)	=	{2.75, 0.40, 19.35, 4.59, 2.15, 7.55, 0.40, 9.45, 0.95, 1.25, 12.40, 0.15, 9.65, 8.55, 20.90, 1.80, 1.80, 15.25, 1.35, 8.35, 12.70, 5.85, 7.45, 2.45, 15.25, 3.00, 6.05, 13.55, 12.70, 23.20, 2.20, 9.50}
Xnew = P + (rand . (T - P))	=	{76.40, 77.95, 93.25, 67.77, 71.65, 59.20, 86.00, 64.95, 80.70, 75.75, 80.55, 77.60, 60.30, 90.20, 88.25, 87.20, 77.90, 101.00, 77.95, 101.10, 75.45, 84.80, 90.15, 79.95, 92.90, 88.20, 95.70, 91.50, 76.70, 81.40, 79.95, 93.75}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Enterprise Systems ke-11		
P(titik sample)	=	{73.65, 77.55, 73.9, 63.18, 69.5, 51.65, 85.6, 55.5, 79.75, 74.5, 68.15, 77.45, 50.65, 81.65, 67.35, 85.4, 76.1, 85.75, 76.6, 92.75, 62.75, 78.95, 82.7, 77.5, 77.65, 85.2, 89.65, 77.95, 64, 58.2, 77.75, 84.25}
T(tetangga acuan)	=	{70.08, 81.3, 74.3, 54.15, 80.8, 74.55, 75.75, 80, 87.15, 84.7, 71.9, 84.25, 84.4, 87.7, 67.85, 84.4, 80.4, 78.35, 64.75, 86, 71.6, 84.8, 82.75, 83.7, 83.4, 82, 74.2, 82.35, 70.4, 65.7, 66.4, 81.25}
rand	=	0.1
(T - P)	=	{3.57, 3.75, 0.4, 9.03, 11.3, 22.9, 9.85, 24.5, 7.4, 10.2, 3.75, 6.8, 33.75, 6.05, 0.5, 1, 4.3, 7.4, 11.85, 6.75, 8.85, 5.85, 0.05, 6.2, 5.75, 3.2, 15.45, 4.4, 6.4, 7.5, 11.35, 3}
rand . (T - P)	=	{0.36, 0.38, 0.04, 0.90, 1.13, 2.29, 0.99, 2.45, 0.74, 1.02, 0.38, 0.68, 3.38, 0.61, 0.05, 0.10, 0.43, 0.74, 1.19, 0.68, 0.89, 0.59, 0.01, 0.62, 0.58, 0.32, 1.55, 0.44, 0.64, 0.75, 1.14, 0.30}
Xnew = P + (rand . (T - P))	=	{74.01, 77.93, 73.94, 64.08, 70.63, 53.94, 86.59, 57.95, 80.49, 75.52, 68.53, 78.13, 54.03, 82.26, 67.40, 85.50, 76.53, 86.49, 77.79, 93.43, 63.64, 79.54, 82.71, 78.12, 78.23, 85.52, 91.20, 78.39, 64.64, 58.95, 78.89, 84.55}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas Enterprise Systems ke-12

P(titik sample) = {73.65, 77.55, 73.9, 63.18, 69.5, 51.65, 85.6, 55.5, 79.75, 74.5, 68.15, 77.45, 50.65, 81.65, 67.35, 85.4, 76.1, 85.75, 76.6, 92.75, 62.75, 78.95, 82.7, 77.5, 77.65, 85.2, 89.65, 77.95, 64, 58.2, 77.75, 84.25}

T(tetangga acuan) = {70.08, 81.3, 74.3, 54.15, 80.8, 74.55, 75.75, 80, 87.15, 84.7, 71.9, 84.25, 84.4, 87.7, 67.85, 84.4, 80.4, 78.35, 64.75, 86, 71.6, 84.8, 82.75, 83.7, 83.4, 82, 74.2, 82.35, 70.4, 65.7, 66.4, 81.25}

rand = 0.2

(T - P) = {3.57, 3.75, 0.4, 9.03, 11.3, 22.9, 9.85, 24.5, 7.4, 10.2, 3.75, 6.8, 33.75, 6.05, 0.5, 1, 4.3, 7.4, 11.85, 6.75, 8.85, 5.85, 0.05, 6.2, 5.75, 3.2, 15.45, 4.4, 6.4, 7.5, 11.35, 3}

rand . (T - P) = {0.71, 0.75, 0.08, 1.81, 2.26, 4.58, 1.97, 4.90, 1.48, 2.04, 0.75, 1.36, 6.75, 1.21, 0.10, 0.20, 0.86, 1.48, 2.37, 1.35, 1.77, 1.17, 0.01, 1.24, 1.15, 0.64, 3.09, 0.88, 1.28, 1.50, 2.27, 0.60}

Xnew = P + (rand . (T - P)) = {74.36, 78.30, 73.98, 64.99, 71.76, 56.23, 87.57, 60.40, 81.23, 76.54, 68.90, 78.81, 57.40, 82.86, 67.45, 85.60, 76.96, 87.23, 78.97, 94.10, 64.52, 80.12, 82.71, 78.74, 78.80, 85.84, 92.74, 78.83, 65.28, 59.70, 80.02, 84.85}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas Enterprise Systems ke-13

P(titik sample) = {73.65, 77.55, 73.9, 63.18, 69.5, 51.65, 85.6, 55.5, 79.75, 74.5, 68.15, 77.45, 50.65, 81.65, 67.35, 85.4, 76.1, 85.75, 76.6, 92.75, 62.75, 78.95, 82.7, 77.5, 77.65, 85.2, 89.65, 77.95, 64, 58.2, 77.75, 84.25}

T(tetangga acuan) = {70.08, 81.3, 74.3, 54.15, 80.8, 74.55, 75.75, 80, 87.15, 84.7, 71.9, 84.25, 84.4, 87.7, 67.85, 84.4, 80.4, 78.35, 64.75, 86, 71.6, 84.8, 82.75, 83.7, 83.4, 82, 74.2, 82.35, 70.4, 65.7, 66.4, 81.25}

rand = 0.3

(T - P) = {3.57, 3.75, 0.4, 9.03, 11.3, 22.9, 9.85, 24.5, 7.4, 10.2, 3.75, 6.8, 33.75, 6.05, 0.5, 1, 4.3, 7.4, 11.85, 6.75, 8.85, 5.85, 0.05, 6.2, 5.75, 3.2, 15.45, 4.4, 6.4, 7.5, 11.35, 3}

rand . (T - P) = {1.07, 1.13, 0.12, 2.71, 3.39, 6.87, 2.96, 7.35, 2.22, 3.06, 1.13, 2.04, 10.13, 1.82, 0.15, 0.30, 1.29, 2.22, 3.56, 2.03, 2.66, 1.76, 0.02, 1.86, 1.73, 0.96, 4.64, 1.32, 1.92, 2.25, 3.41, 0.90}

$$\begin{aligned} X_{\text{new}} = P + (\text{rand} \cdot (T - P)) &= \{74.72, 78.68, 74.02, 65.89, 72.89, 58.52, 88.56, 62.85, 81.97, \\ &77.56, 69.28, 79.49, 60.78, 83.47, 67.50, 85.70, 77.39, 87.97, \\ &80.16, 94.78, 65.41, 80.71, 82.72, 79.36, 79.38, 86.16, 94.29, \\ &79.27, 65.92, 60.45, 81.16, 85.15\} \end{aligned}$$

Pembuatan Data Sintetik dengan SMOTE untuk Kelas Enterprise Systems ke-14

$$\begin{aligned} P(\text{titik sample}) &= \{73.65, 77.55, 73.9, 63.18, 69.5, 51.65, 85.6, 55.5, 79.75, 74.5, \\ &68.15, 77.45, 50.65, 81.65, 67.35, 85.4, 76.1, 85.75, 76.6, \\ &92.75, 62.75, 78.95, 82.7, 77.5, 77.65, 85.2, 89.65, 77.95, 64, \\ &58.2, 77.75, 84.25\} \end{aligned}$$

$$\begin{aligned} T(\text{tetangga acuan}) &= \{70.08, 81.3, 74.3, 54.15, 80.8, 74.55, 75.75, 80, 87.15, 84.7, \\ &71.9, 84.25, 84.4, 87.7, 67.85, 84.4, 80.4, 78.35, 64.75, 86, \\ &71.6, 84.8, 82.75, 83.7, 83.4, 82, 74.2, 82.35, 70.4, 65.7, 66.4, \\ &81.25\} \end{aligned}$$

$$\text{rand} = 0.4$$

$$\begin{aligned} (T - P) &= \{3.57, 3.75, 0.4, 9.03, 11.3, 22.9, 9.85, 24.5, 7.4, 10.2, 3.75, \\ &6.8, 33.75, 6.05, 0.5, 1, 4.3, 7.4, 11.85, 6.75, 8.85, 5.85, 0.05, \\ &6.2, 5.75, 3.2, 15.45, 4.4, 6.4, 7.5, 11.35, 3\} \end{aligned}$$

$$\begin{aligned} \text{rand} \cdot (T - P) &= \{1.43, 1.50, 0.16, 3.61, 4.52, 9.16, 3.94, 9.80, 2.96, 4.08, 1.50, \\ &2.72, 13.50, 2.42, 0.20, 0.40, 1.72, 2.96, 4.74, 2.70, 3.54, 2.34, \\ &0.02, 2.48, 2.30, 1.28, 6.18, 1.76, 2.56, 3.00, 4.54, 1.20\} \end{aligned}$$

$$\begin{aligned} X_{\text{new}} = P + (\text{rand} \cdot (T - P)) &= \{75.08, 79.05, 74.06, 66.79, 74.02, 60.81, 89.54, 65.30, 82.71, \\ &78.58, 69.65, 80.17, 64.15, 84.07, 67.55, 85.80, 77.82, 88.71, \\ &81.34, 95.45, 66.29, 81.29, 82.72, 79.98, 79.95, 86.48, 95.83, \\ &79.71, 66.56, 61.20, 82.29, 85.45\} \end{aligned}$$

Pembuatan Data Sintetik dengan SMOTE untuk Kelas Enterprise Systems ke-15

$$\begin{aligned} P(\text{titik sample}) &= \{73.65, 77.55, 73.9, 63.18, 69.5, 51.65, 85.6, 55.5, 79.75, 74.5, \\ &68.15, 77.45, 50.65, 81.65, 67.35, 85.4, 76.1, 85.75, 76.6, \\ &92.75, 62.75, 78.95, 82.7, 77.5, 77.65, 85.2, 89.65, 77.95, 64, \\ &58.2, 77.75, 84.25\} \end{aligned}$$

$$\begin{aligned} T(\text{tetangga acuan}) &= \{70.08, 81.3, 74.3, 54.15, 80.8, 74.55, 75.75, 80, 87.15, 84.7, \\ &71.9, 84.25, 84.4, 87.7, 67.85, 84.4, 80.4, 78.35, 64.75, 86, \\ &71.6, 84.8, 82.75, 83.7, 83.4, 82, 74.2, 82.35, 70.4, 65.7, 66.4, \\ &81.25\} \end{aligned}$$

$$\text{rand} = 0.5$$

$$\begin{aligned} (T - P) &= \{3.57, 3.75, 0.4, 9.03, 11.3, 22.9, 9.85, 24.5, 7.4, 10.2, 3.75, \\ &6.8, 33.75, 6.05, 0.5, 1, 4.3, 7.4, 11.85, 6.75, 8.85, 5.85, 0.05, \\ &6.2, 5.75, 3.2, 15.45, 4.4, 6.4, 7.5, 11.35, 3\} \end{aligned}$$

$$\text{rand . (T - P)} = \{1.79, 1.88, 0.20, 4.52, 5.65, 11.45, 4.93, 12.25, 3.70, 5.10, 1.88, 3.40, 16.88, 3.03, 0.25, 0.50, 2.15, 3.70, 5.93, 3.38, 4.43, 2.93, 0.03, 3.10, 2.88, 1.60, 7.73, 2.20, 3.20, 3.75, 5.68, 1.50\}$$

$$\text{Xnew = P + (rand . (T - P))} = \{75.44, 79.43, 74.10, 67.70, 75.15, 63.10, 90.53, 67.75, 83.45, 79.60, 70.03, 80.85, 67.53, 84.68, 67.60, 85.90, 78.25, 89.45, 82.53, 96.13, 67.18, 81.88, 82.73, 80.60, 80.53, 86.80, 97.38, 80.15, 67.20, 61.95, 83.43, 85.75\}$$

Pembuatan Data Sintetik dengan SMOTE untuk Kelas Enterprise Systems ke-16

$$\text{P(titik sample)} = \{73.65, 77.55, 73.9, 63.18, 69.5, 51.65, 85.6, 55.5, 79.75, 74.5, 68.15, 77.45, 50.65, 81.65, 67.35, 85.4, 76.1, 85.75, 76.6, 92.75, 62.75, 78.95, 82.7, 77.5, 77.65, 85.2, 89.65, 77.95, 64, 58.2, 77.75, 84.25\}$$

$$\text{T(tetangga acuan)} = \{70.08, 81.3, 74.3, 54.15, 80.8, 74.55, 75.75, 80, 87.15, 84.7, 71.9, 84.25, 84.4, 87.7, 67.85, 84.4, 80.4, 78.35, 64.75, 86, 71.6, 84.8, 82.75, 83.7, 83.4, 82, 74.2, 82.35, 70.4, 65.7, 66.4, 81.25\}$$

$$\text{rand} = 0.6$$

$$\text{(T - P)} = \{3.57, 3.75, 0.4, 9.03, 11.3, 22.9, 9.85, 24.5, 7.4, 10.2, 3.75, 6.8, 33.75, 6.05, 0.5, 1, 4.3, 7.4, 11.85, 6.75, 8.85, 5.85, 0.05, 6.2, 5.75, 3.2, 15.45, 4.4, 6.4, 7.5, 11.35, 3\}$$

$$\text{rand . (T - P)} = \{2.14, 2.25, 0.24, 5.42, 6.78, 13.74, 5.91, 14.70, 4.44, 6.12, 2.25, 4.08, 20.25, 3.63, 0.30, 0.60, 2.58, 4.44, 7.11, 4.05, 5.31, 3.51, 0.03, 3.72, 3.45, 1.92, 9.27, 2.64, 3.84, 4.50, 6.81, 1.80\}$$

$$\text{Xnew = P + (rand . (T - P))} = \{75.79, 79.80, 74.14, 68.60, 76.28, 65.39, 91.51, 70.20, 84.19, 80.62, 70.40, 81.53, 70.90, 85.28, 67.65, 86.00, 78.68, 90.19, 83.71, 96.80, 68.06, 82.46, 82.73, 81.22, 81.10, 87.12, 98.92, 80.59, 67.84, 62.70, 84.56, 86.05\}$$

Pembuatan Data Sintetik dengan SMOTE untuk Kelas Enterprise Systems ke-17

$$\text{P(titik sample)} = \{73.65, 77.55, 73.9, 63.18, 69.5, 51.65, 85.6, 55.5, 79.75, 74.5, 68.15, 77.45, 50.65, 81.65, 67.35, 85.4, 76.1, 85.75, 76.6, 92.75, 62.75, 78.95, 82.7, 77.5, 77.65, 85.2, 89.65, 77.95, 64, 58.2, 77.75, 84.25\}$$

$$\text{T(tetangga acuan)} = \{70.08, 81.3, 74.3, 54.15, 80.8, 74.55, 75.75, 80, 87.15, 84.7, 71.9, 84.25, 84.4, 87.7, 67.85, 84.4, 80.4, 78.35, 64.75, 86, 71.6, 84.8, 82.75, 83.7, 83.4, 82, 74.2, 82.35, 70.4, 65.7, 66.4, 81.25\}$$

$$\text{rand} = 0.7$$

(T - P)	=	{3.57, 3.75, 0.4, 9.03, 11.3, 22.9, 9.85, 24.5, 7.4, 10.2, 3.75, 6.8, 33.75, 6.05, 0.5, 1, 4.3, 7.4, 11.85, 6.75, 8.85, 5.85, 0.05, 6.2, 5.75, 3.2, 15.45, 4.4, 6.4, 7.5, 11.35, 3}
rand . (T - P)	=	{2.50, 2.63, 0.28, 6.32, 7.91, 16.03, 6.90, 17.15, 5.18, 7.14, 2.63, 4.76, 23.63, 4.24, 0.35, 0.70, 3.01, 5.18, 8.30, 4.73, 6.20, 4.10, 0.04, 4.34, 4.03, 2.24, 10.82, 3.08, 4.48, 5.25, 7.95, 2.10}
Xnew = P + (rand . (T - P))	=	{76.15, 80.18, 74.18, 69.50, 77.41, 67.68, 92.50, 72.65, 84.93, 81.64, 70.78, 82.21, 74.28, 85.89, 67.70, 86.10, 79.11, 90.93, 84.90, 97.48, 68.95, 83.05, 82.74, 81.84, 81.68, 87.44, 100.47, 81.03, 68.48, 63.45, 85.70, 86.35}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas Enterprise Systems ke-18

P(titik sample)	=	{73.65, 77.55, 73.9, 63.18, 69.5, 51.65, 85.6, 55.5, 79.75, 74.5, 68.15, 77.45, 50.65, 81.65, 67.35, 85.4, 76.1, 85.75, 76.6, 92.75, 62.75, 78.95, 82.7, 77.5, 77.65, 85.2, 89.65, 77.95, 64, 58.2, 77.75, 84.25}
T(tetangga acuan)	=	{70.08, 81.3, 74.3, 54.15, 80.8, 74.55, 75.75, 80, 87.15, 84.7, 71.9, 84.25, 84.4, 87.7, 67.85, 84.4, 80.4, 78.35, 64.75, 86, 71.6, 84.8, 82.75, 83.7, 83.4, 82, 74.2, 82.35, 70.4, 65.7, 66.4, 81.25}
rand	=	0.8
(T - P)	=	{3.57, 3.75, 0.4, 9.03, 11.3, 22.9, 9.85, 24.5, 7.4, 10.2, 3.75, 6.8, 33.75, 6.05, 0.5, 1, 4.3, 7.4, 11.85, 6.75, 8.85, 5.85, 0.05, 6.2, 5.75, 3.2, 15.45, 4.4, 6.4, 7.5, 11.35, 3}
rand . (T - P)	=	{2.86, 3.00, 0.32, 7.22, 9.04, 18.32, 7.88, 19.60, 5.92, 8.16, 3.00, 5.44, 27.00, 4.84, 0.40, 0.80, 3.44, 5.92, 9.48, 5.40, 7.08, 4.68, 0.04, 4.96, 4.60, 2.56, 12.36, 3.52, 5.12, 6.00, 9.08, 2.40}
Xnew = P + (rand . (T - P))	=	{76.51, 80.55, 74.22, 70.40, 78.54, 69.97, 93.48, 75.10, 85.67, 82.66, 71.15, 82.89, 77.65, 86.49, 67.75, 86.20, 79.54, 91.67, 86.08, 98.15, 69.83, 83.63, 82.74, 82.46, 82.25, 87.76, 102.01, 81.47, 69.12, 64.20, 86.83, 86.65}

Pembuatan Data Sintetik dengan SMOTE untuk Kelas Enterprise Systems ke-19

P(titik sample)	=	{73.65, 77.55, 73.9, 63.18, 69.5, 51.65, 85.6, 55.5, 79.75, 74.5, 68.15, 77.45, 50.65, 81.65, 67.35, 85.4, 76.1, 85.75, 76.6, 92.75, 62.75, 78.95, 82.7, 77.5, 77.65, 85.2, 89.65, 77.95, 64, 58.2, 77.75, 84.25}
T(tetangga acuan)	=	{70.08, 81.3, 74.3, 54.15, 80.8, 74.55, 75.75, 80, 87.15, 84.7, 71.9, 84.25, 84.4, 87.7, 67.85, 84.4, 80.4, 78.35, 64.75, 86, 71.9, 84.25, 84.4, 87.7, 67.85, 84.4, 80.4, 78.35, 64.75, 86,

	=	{71.6, 84.8, 82.75, 83.7, 83.4, 82, 74.2, 82.35, 70.4, 65.7, 66.4, 81.25}
rand	=	0.9
(T - P)	=	{3.57, 3.75, 0.4, 9.03, 11.3, 22.9, 9.85, 24.5, 7.4, 10.2, 3.75, 6.8, 33.75, 6.05, 0.5, 1, 4.3, 7.4, 11.85, 6.75, 8.85, 5.85, 0.05, 6.2, 5.75, 3.2, 15.45, 4.4, 6.4, 7.5, 11.35, 3}
rand . (T - P)	=	{3.21, 3.38, 0.36, 8.13, 10.17, 20.61, 8.87, 22.05, 6.66, 9.18, 3.38, 6.12, 30.38, 5.45, 0.45, 0.90, 3.87, 6.66, 10.67, 6.08, 7.97, 5.27, 0.05, 5.58, 5.18, 2.88, 13.91, 3.96, 5.76, 6.75, 10.22, 2.70}
X _{new} = P + (rand . (T - P))	=	{76.86, 80.93, 74.26, 71.31, 79.67, 72.26, 94.47, 77.55, 86.41, 83.68, 71.53, 83.57, 81.03, 87.10, 67.80, 86.30, 79.97, 92.41, 87.27, 98.83, 70.72, 84.22, 82.75, 83.08, 82.83, 88.08, 103.56, 81.91, 69.76, 64.95, 87.97, 86.95}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Enterprise Systems ke-20		
P(titik sample)	=	{73.65, 77.55, 73.9, 63.18, 69.5, 51.65, 85.6, 55.5, 79.75, 74.5, 68.15, 77.45, 50.65, 81.65, 67.35, 85.4, 76.1, 85.75, 76.6, 92.75, 62.75, 78.95, 82.7, 77.5, 77.65, 85.2, 89.65, 77.95, 64, 58.2, 77.75, 84.25}
T(tetangga acuan)	=	{70.08, 81.3, 74.3, 54.15, 80.8, 74.55, 75.75, 80, 87.15, 84.7, 71.9, 84.25, 84.4, 87.7, 67.85, 84.4, 80.4, 78.35, 64.75, 86, 71.6, 84.8, 82.75, 83.7, 83.4, 82, 74.2, 82.35, 70.4, 65.7, 66.4, 81.25}
rand	=	1
(T - P)	=	{3.57, 3.75, 0.4, 9.03, 11.3, 22.9, 9.85, 24.5, 7.4, 10.2, 3.75, 6.8, 33.75, 6.05, 0.5, 1, 4.3, 7.4, 11.85, 6.75, 8.85, 5.85, 0.05, 6.2, 5.75, 3.2, 15.45, 4.4, 6.4, 7.5, 11.35, 3}
rand . (T - P)	=	{3.57, 3.75, 0.40, 9.03, 11.30, 22.90, 9.85, 24.50, 7.40, 10.20, 3.75, 6.80, 33.75, 6.05, 0.50, 1.00, 4.30, 7.40, 11.85, 6.75, 8.85, 5.85, 0.05, 6.20, 5.75, 3.20, 15.45, 4.40, 6.40, 7.50, 11.35, 3.00}
X _{new} = P + (rand . (T - P))	=	{77.22, 81.30, 74.30, 72.21, 80.80, 74.55, 95.45, 80.00, 87.15, 84.70, 71.90, 84.25, 84.40, 87.70, 67.85, 86.40, 80.40, 93.15, 88.45, 99.50, 71.60, 84.80, 82.75, 83.70, 83.40, 88.40, 105.10, 82.35, 70.40, 65.70, 89.10, 87.25}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Enterprise Systems ke-21		
P(titik sample)	=	{73.65, 77.55, 73.9, 63.18, 69.5, 51.65, 85.6, 55.5, 79.75, 74.5, 68.15, 77.45, 50.65, 81.65, 67.35, 85.4, 76.1, 85.75, 76.6,

		92.75, 62.75, 78.95, 82.7, 77.5, 77.65, 85.2, 89.65, 77.95, 64, 58.2, 77.75, 84.25}
T(tetangga acuan)	=	{78.65, 86.85, 72.85, 76.84, 68.25, 60.45, 86.75, 63.85, 83.6, 61.95, 76.35, 80.65, 86, 86.05, 90, 76.4, 81.45, 78.6, 76.95, 72.65, 71.25, 83.45, 81.25, 78.95, 78.7, 76.35, 87, 73, 63.25, 80.95, 75.5, 76.5}
rand	=	0.1
(T - P)	=	{5, 9.3, 1.05, 13.66, 1.25, 8.8, 1.15, 8.35, 3.85, 12.55, 8.2, 3.2, 35.35, 4.4, 22.65, 9, 5.35, 7.15, 0.35, 20.1, 8.5, 4.5, 1.45, 1.45, 1.05, 8.85, 2.65, 4.95, 0.75, 22.75, 2.25, 7.75}
rand . (T - P)	=	{0.50, 0.93, 0.11, 1.37, 0.13, 0.88, 0.12, 0.84, 0.39, 1.26, 0.82, 0.32, 3.54, 0.44, 2.27, 0.90, 0.54, 0.72, 0.04, 2.01, 0.85, 0.45, 0.15, 0.15, 0.11, 0.89, 0.27, 0.50, 0.08, 2.28, 0.23, 0.78}
Xnew = P + (rand . (T - P))	=	{74.15, 78.48, 74.01, 64.55, 69.63, 52.53, 85.72, 56.34, 80.14, 75.76, 68.97, 77.77, 54.19, 82.09, 69.62, 86.30, 76.64, 86.47, 76.64, 94.76, 63.60, 79.40, 82.85, 77.65, 77.76, 86.09, 89.92, 78.45, 64.08, 60.48, 77.98, 85.03}
Pembuatan Data Sintetik dengan SMOTE untuk Kelas Enterprise Systems ke-22		
P(titik sample)	=	{73.65, 77.55, 73.9, 63.18, 69.5, 51.65, 85.6, 55.5, 79.75, 74.5, 68.15, 77.45, 50.65, 81.65, 67.35, 85.4, 76.1, 85.75, 76.6, 92.75, 62.75, 78.95, 82.7, 77.5, 77.65, 85.2, 89.65, 77.95, 64, 58.2, 77.75, 84.25}
T(tetangga acuan)	=	{78.65, 86.85, 72.85, 76.84, 68.25, 60.45, 86.75, 63.85, 83.6, 61.95, 76.35, 80.65, 86, 86.05, 90, 76.4, 81.45, 78.6, 76.95, 72.65, 71.25, 83.45, 81.25, 78.95, 78.7, 76.35, 87, 73, 63.25, 80.95, 75.5, 76.5}
rand	=	0.2
(T - P)	=	{5, 9.3, 1.05, 13.66, 1.25, 8.8, 1.15, 8.35, 3.85, 12.55, 8.2, 3.2, 35.35, 4.4, 22.65, 9, 5.35, 7.15, 0.35, 20.1, 8.5, 4.5, 1.45, 1.45, 1.05, 8.85, 2.65, 4.95, 0.75, 22.75, 2.25, 7.75}
rand . (T - P)	=	{1.00, 1.86, 0.21, 2.73, 0.25, 1.76, 0.23, 1.67, 0.77, 2.51, 1.64, 0.64, 7.07, 0.88, 4.53, 1.80, 1.07, 1.43, 0.07, 4.02, 1.70, 0.90, 0.29, 0.29, 0.21, 1.77, 0.53, 0.99, 0.15, 4.55, 0.45, 1.55}
Xnew = P + (rand . (T - P))	=	{74.65, 79.41, 74.11, 65.91, 69.75, 53.41, 85.83, 57.17, 80.52, 77.01, 69.79, 78.09, 57.72, 82.53, 71.88, 87.20, 77.17, 87.18, 76.67, 96.77, 64.45, 79.85, 82.99, 77.79, 77.86, 86.97, 90.18, 78.94, 64.15, 62.75, 78.20, 85.80}

Lampiran 9 Surat Ijin Pengajuan Data Penelitian

Perihal : Permohonan Ijin Data Penelitian

Kepada Yth.

**Direktur Pengembangan Akademik dan Pusat Komputer
Institut Teknologi dan Bisnis STIKOM Bali**

di-

Tempat

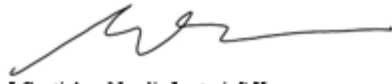
Dengan Hormat,

Sehubungan dengan penelitian tesis saya pada program Pascasarjana Ilmu Komputer Undiksha dengan Judul "Model Rekomendasi Pemilihan Konsentrasi Pada Program Studi Dengan Kombinasi Metode Multiclassifier Voting. Studi Kasus : Program Studi Sistem Informasi ITB STIKOM Bali". Saya mohon ijin kepada Bapak untuk dapat diizinkan melakukan penelitian dan pengumpulan data di ITB STIKOM Bali.

Demikian yang dapat saya sampaikan, besar harapan saya permohonan ini dapat diterima. Atas perhatian Bapak saya ucapkan terimakasih

Denpasar, 27 Maret 2023

Hormat Saya



I Gusti Ayu Nandia Lestari, S.Kom.



Lampiran 10 Surat Balasan Validasi Data Penelitian dari STIKOM Bali

NILAI MAHASISWA

NO	SEMESTER	NAMA MATA KULIAH	ABSENSI	TUGAS	KUIS	UTS	UAS	HURUF	KONSENTRASI
1	I	Bahasa Inggris I	100	80.00	80.00	85.00	80.00	AB	Enterprise System
2	I	Praktikum Pengantar Teknologi Informasi	100	82.00	78.00	78.00	73.00	AB	Enterprise System
3	I	Matematika Diskrit	100	95.00	80.00	60.00	60.00	B	Enterprise System
4	I	Konsep dan Aplikasi Sistem Informasi	100	85.00	90.00	85.00	87.00	A	Enterprise System
5	I	Pengantar Teknologi Informasi	100	54.29	0.00	100.00	78.00	AB	Enterprise System
6	I	Praktikum Algoritma dan Pemrograman	100	86.00	86.00	86.00	73.00	A	Enterprise System
7	I	Algoritma dan Pemrograman	100	90.00	90.00	90.00	90.00	A	Enterprise System
8	I	Seni dan Budaya	100	79.00	73.00	83.00	89.00	A	Enterprise System
9	I	Pancasila	100	85.00	80.00	83.00	85.00	A	Enterprise System
10	II	Kewarganegaraan	100	84.00	74.00	78.00	80.00	AB	Enterprise System
11	II	Komunikasi Data	100	93.00	92.00	96.00	66.00	A	Enterprise System
12	II	Basis Data	100	85.00	70.00	50.00	85.00	B	Enterprise System
13	II	Praktikum Struktur Data	100	90.00	88.00	85.00	86.00	A	Enterprise System
14	II	Bahasa Inggris II	100	90.00	92.00	88.00	90.00	A	Enterprise System
15	II	Organisasi Komputer	100	73.00	75.00	60.00	55.00	BC	Enterprise System
16	II	Pendidikan Agama	100	65.00	60.00	80.00	70.00	B	Enterprise System
17	II	Struktur Data	100	78.00	80.00	85.00	82.00	AB	Enterprise System
18	II	Praktikum Basis Data	100	85.00	90.00	90.00	90.00	A	Enterprise System
19	III	Akuntansi	100	85.00	88.00	90.00	91.00	A	Enterprise System
20	III	Komunikasi Bisnis	100	75.00	72.00	77.00	80.00	AB	Enterprise System
21	III	Sistem Operasi	100	80.00	100.00	85.00	85.00	A	Enterprise System
22	III	Pemrograman Berorientasi Obyek	100	80.00	80.00	80.00	84.00	AB	Enterprise System
23	III	Bahasa Indonesia	100	95.00	80.00	85.00	85.00	A	Enterprise System
24	III	Perancangan Web	100	90.00	90.00	90.00	95.00	A	Enterprise System

NO	SEMESTER	NAMA MATA KULIAH	ABSENSI	TUGAS	KUIS	UTS	UAS	HURUF	KONSENTRASI
31199	VII	Project Management	100	85.00	90.00	75.00	95.00	A	Game & Multimedia
31200	VII	Multimedia Pembelajaran	100	85.00	85.00	96.00	96.00	A	Game & Multimedia
31201	VII	Desain Grafis	93	80.00	75.00	78.00	80.00	AB	Game & Multimedia
31202	VII	Audio Video Editing	100	80.00	80.00	82.00	82.00	AB	Game & Multimedia
31203	VII	Tugas Akhir I	100	60.00	85.00	100.00	100.00	A	Game & Multimedia
31204	VII	Kerja Praktek	0	0.00	0.00	0.00	0.00	A	Game & Multimedia
31205	VII	Kewirausahaan	93	85.00	85.00	90.00	90.00	A	Game & Multimedia
31206	VIII	Game Programming	100	70.00	65.61	70.62	46.25	BC	Game & Multimedia
31207	VIII	Technopreneurship	93	68.00	60.00	80.00	90.00	AB	Game & Multimedia
31208	VIII	Etika Profesi	100	84.00	84.00	86.00	86.00	A	Game & Multimedia
31209	IX	Tugas Akhir II	0	0.00	0.00	0.00	0.00	B	Game & Multimedia

Denpasar, 27 Maret 2023

Mengetahui,

ITB STIKOM Bali

Direktur

Pengembangan Akademik dan Pusat Komputer



Shofwan Hanief, S.Kom., MT
 NIK 08.81.059