

LAMPIRAN

Lampiran 1. Pembuatan Larutan CAF

Perhitungan:

- CAF $1 \cdot 10^{-3}$ dalam 100 mL

$$\text{Massa (g)} = M \times V \times Mr$$

$$\text{Massa (g)} = (10^{-3} \text{ M}) \times (0,1 \text{ L}) \times (194,19 \text{ g/mol})$$

$$\text{Massa (g)} = 0,0194 \text{ g}$$

- Pengenceran menjadi $3 \cdot 10^{-4}$ dalam 50 mL

$$M_1 \times V_1 = M_2 \times V_2$$

$$(1 \cdot 10^{-3} \text{ M}) \times V_1 = (3 \cdot 10^{-4} \text{ M}) \times (50 \text{ mL})$$

$$V_1 = 15 \text{ mL}$$

Lampiran 2. Pembuatan Larutan β -CD, β -CD-NH₃Cl, dan β -CD-NH₂PrCl

Perhitungan:

- Larutan β -CD $1 \cdot 10^{-3}$ M dalam 100 mL

$$\text{Massa (g)} = M \times V \times Mr$$

$$\text{Massa (g)} = (1 \cdot 10^{-3} \text{ mol/L}) \times (0,1 \text{ L}) \times (1135 \text{ g/mol})$$

$$\text{Massa (g)} = 0,1135 \text{ g}$$

- Larutan β -CD-NH₃Cl $1 \cdot 10^{-3}$ M dalam 100 mL

$$\text{Massa (g)} = M \times V \times Mr$$

$$\text{Massa (g)} = (1 \cdot 10^{-3} \text{ mol/L}) \times (0,1 \text{ L}) \times (1170 \text{ g/mol})$$

$$\text{Massa (g)} = 0,1170 \text{ g}$$

- Larutan β -CD-NH₂PrCl $1 \cdot 10^{-3}$ M dalam 100 mL

$$\text{Massa (g)} = M \times V \times Mr$$

$$\text{Massa (g)} = (1 \cdot 10^{-3} \text{ mol/L}) \times (0,1 \text{ L}) \times (1213 \text{ g/mol})$$

$$\text{Massa (g)} = 0,1213 \text{ g}$$

Lampiran 3. Persiapan Pembentukan Kompleks Inklusi

Perhitungan:

- CAF 1,1 mmol

$$\text{Massa (g)} = \text{mol} \times Mr$$