

Lampiran 1. Daftar Nama Perusahaan Sub *Industrial Service* yang Terdaftar Di BEI

No	Nama Emiten	Kode Emiten	Kriteria		Sampel
			1	2	
1.	PT. Astra Graphia Tbk	ASGR	✓	✓	1
2.	PT. Perma Plasindo Tbk	BINO	✓	✓	2
3.	PT. Berkah Prima Perkasa Tbk	BLUE	✓	✓	3
4.	PT. Carsurin Tbk	CRSN	✓	✓	4
5.	PT. Dyandra Media Internasional Tbk	DYAN	✓	✓	5
6.	PT. Island Concepts Indonesia Tbk	ICON	✓	✓	6
7.	PT. Tanah Laut Tbk	INDX	✓	✓	7
8.	PT. Jasuindo Tiga Perkasa Tbk	JTPE	✓	✓	8
9.	PT. Hoffmen Cleanindo Tbk	KING	✓	✓	9
10.	PT. Perdana Bangun Pusaka Tbk	KONI	✓	✓	10
11.	PT. Lion Metal Works Tbk	LION	✓	✓	11
12.	PT. Modern Internasional Tbk	MDRN	✓	✓	12
13.	PT. Multifiling Mitra Indonesia Tbk	MFMI	✓	✓	13
14.	PT. Mutuagung Lestari Tbk	MUTU	✓	✓	14
15.	PT. Personel Alih Daya Tbk	PADA	✓	✓	15
16.	PT. Shield on Service Tbk	SOSS	✓	✓	16
17.	PT. Tira Austenite Tbk	TIRA	✓	✓	17
18.	PT. Triwira Insanlestari	TRIL	✓	-	-

Lampiran 2. Data *Total Asset Turnover* dan *Debt to Asset Ratio* terhadap *Return on Asset* pada Perusahaan *Industrial Service* yang Terdaftar Di BEI

No	Kode Saham	Tahun	TATO	DAR	ROA
1.	ASGR	2021	1,24	38,70	3,29
		2022	1,09	36,76	3,63
		2023	1,10	33,21	5,26
2.	BINO	2021	0,65	16,98	0,68
		2022	0,57	19,54	1,05
		2023	0,67	18,61	0,81
3.	BLUE	2021	1,22	9,79	13,46
		2022	1,37	8,36	15,00
		2023	1,38	12,78	16,09
4.	CRSN	2021	2,21	34,41	14,78
		2022	2,14	32,67	17,76
		2023	1,45	30,38	9,08
5.	DYAN	2021	0,59	49,84	-9,15
		2022	1,11	53,07	2,82
		2023	1,10	50,79	5,82
6.	ICON	2021	0,38	34,15	0,06
		2022	0,46	40,44	-6,17
		2023	0,50	40,17	-1,43
7.	INDX	2021	0,07	17,80	-1,61
		2022	0,08	24,64	-16,46
		2023	0,03	27,81	-12,26
8.	JTPE	2021	0,89	24,88	7,96
		2022	0,91	34,64	9,19
		2023	1,28	39,37	12,61
9.	KING	2021	3,04	90,81	2,38
		2022	2,15	63,06	1,41
		2023	1,45	36,51	1,73
10.	KONI	2021	1,04	12,20	6,47
		2022	1,26	17,00	8,16
		2023	1,56	14,87	12,33
11.	LION	2021	0,44	32,18	-1,27
		2022	0,60	30,63	0,34
		2023	0,61	33,85	0,89
12.	MDRN	2021	0,32	266,69	51,43
		2022	0,29	244,62	34,65
		2023	0,24	249,55	5,58
13.	MFMI	2021	0,42	66,18	7,40
		2022	0,43	66,50	6,62
		2023	0,48	63,54	7,94
14.	MUTU	2021	1,57	55,46	13,37
		2022	1,77	53,58	23,06
		2023	1,04	27,17	11,24

15.	PADA	2021	3,51	75,37	2,20
		2022	1,95	60,76	1,24
		2023	2,61	57,05	-1,77
16.	SOSS	2021	4,37	42,63	10,26
		2022	4,43	38,38	8,35
		2023	3,86	36,19	7,49
17.	TIRA	2021	0,68	52,89	-0,97
		2022	0,81	52,32	0,63
		2023	0,75	51,48	0,36



Lampiran 3. Data Perhitungan *Total Asset Turnover* pada Perusahaan *Industrial Service* yang Terdaftar Di BEI

No	Kode	Tahun	Penjualan (Rp)	Total Aset (Rp)	TATO (x)
1	ASGR	2021	3,299,105	2,655,278	1.24
		2022	2,909,972	2,677,651	1.09
		2023	2,968,952	2,682,813	1.11
2	BINO	2021	265,767,503,437	410,583,120,420	0.65
		2022	312,850,177,400	544,212,563,185	0.57
		2023	364,775,355,900	543,318,258,444	0.67
3	BLUE	2021	109,018,092,634	89,325,700,727	1.22
		2022	131,320,519,406	95,882,590,139	1.37
		2023	143,083,261,635	103,992,480,787	1.38
4	CRSN	2021	318,589	144,401	2.21
		2022	363,365	170,091	2.14
		2023	444,429	306,045	1.45
5	DYAN	2021	563,839,174,231	959,596,413,102	0.59
		2022	1,210,481,160,296	1,088,333,283,166	1.11
		2023	1,329,121,702,300	1,203,642,535,212	1.10
6	ICON	2021	140,656,758,698	371,158,059,902	0.38
		2022	171,934,673,596	371,248,007,154	0.46
		2023	181,373,119,160	359,741,973,622	0.50
7	INDX	2021	4,800,000,000	65,165,122,716	0.07
		2022	4,800,000,000	58,492,146,988	0.08
		2023	1,456,276,487	52,185,086,721	0.03
8	JTPE	2021	1,075,949,119,283	1,212,589,829,191	0.89
		2022	1,423,142,732,743	1,563,637,707,080	0.91
		2023	2,296,271,601,062	1,789,774,127,224	1.28
9	KING	2021	168,997,882,221	55,624,036,988	3.04
		2022	161,856,738,362	75,394,920,104	2.15
		2023	213,107,450,464	147,218,734,114	1.45
10	KONI	2021	125,324,455,512	120,586,203,464	1.04
		2022	178,583,574,879	142,147,376,515	1.26
		2023	250,993,441,832	160,654,900,392	1.56
11	LION	2021	300,280,285,514	686,806,547,986	0.44
		2022	408,811,497,547	684,497,878,481	0.60
		2023	452,134,429,435	742,886,859,560	0.61
12	MDRN	2021	78,132,730,608	246,567,525,326	0.32
		2022	65,015,524,242	224,642,313,644	0.29
		2023	49,215,810,145	209,255,715,592	0.24
13	MFMI	2021	144,516,730,115	340,216,666,768	0.42
		2022	157,645,098,806	363,417,648,503	0.43
		2023	170,310,659,015	354,412,830,081	0.48
14	MUTU	2021	226,414,102,263	144,507,335,210	1.57
		2022	281,816,959,935	159,479,744,595	1.77
		2023	286,709,568,181	275,445,853,909	1.04
15	PADA	2021	701,091,248,818	199,493,522,001	3.51

		2022	700,938,992,980	360,024,694,168	1.95
		2023	815,740,188,341	312,037,555,262	2.61
16	SOSS	2021	1,389,331,929,729	318,171,407,124	4.37
		2022	1,529,120,178,492	345,365,159,671	4.43
		2023	1,780,352,921,109	461,112,320,236	3.86
17	TIRA	2021	239,463,882,155	350,928,680,760	0.68
		2022	285,154,421,885	351,091,425,626	0.81
		2023	259,866,255,082	345,923,104,863	0.75



Lampiran 4. Data Perhitungan *Debt to Asset Ratio* pada Perusahaan *Industrial Service* yang Terdaftar Di BEI

No	Kode	Tahun	Total Hutang (Rp)	Total Aset (Rp)	DAR (%)
1	ASGR	2021	1,027,625	2,655,278	38.70
		2022	984,429	2,677,651	36.76
		2023	890,911	2,682,813	33.21
2	BINO	2021	69,723,044,993	410,583,120,420	16.98
		2022	106,347,194,748	544,212,563,185	19.54
		2023	101,091,384,844	543,318,258,444	18.61
3	BLUE	2021	8,746,850,883	89,325,700,727	9.79
		2022	8,018,755,151	95,882,590,139	8.36
		2023	13,292,487,394	103,992,480,787	12.78
4	CRSN	2021	49,682	144,401	34.41
		2022	55,562	170,091	32.67
		2023	92,981	306,045	30.38
5	DYAN	2021	478,290,525,186	959,596,413,102	49.84
		2022	577,622,763,324	1,088,333,283,166	53.07
		2023	611,350,297,949	1,203,642,535,212	50.79
6	ICON	2021	126,763,216,728	371,158,059,902	34.15
		2022	150,145,263,915	371,248,007,154	40.44
		2023	144,506,670,308	359,741,973,622	40.17
7	INDX	2021	11,598,116,951	65,165,122,716	17.80
		2022	14,412,566,019	58,492,146,988	24.64
		2023	14,511,324,809	52,185,086,721	27.81
8	JTPE	2021	301,750,608,990	1,212,589,829,191	24.88
		2022	541,571,305,569	1,563,637,707,080	34.64
		2023	704,654,618,041	1,789,774,127,224	39.37
9	KING	2021	50,509,608,668	55,624,036,988	90.81
		2022	47,544,337,270	75,394,920,104	63.06
		2023	53,750,769,103	147,218,734,114	36.51
10	KONI	2021	14,707,392,332	120,586,203,464	12.20
		2022	24,165,903,919	142,147,376,515	17.00
		2023	23,881,521,542	160,654,900,392	14.87
11	LION	2021	220,983,822,452	686,806,547,986	32.18
		2022	209,683,140,222	684,497,878,481	30.63
		2023	251,503,203,972	742,886,859,560	33.85
12	MDRN	2021	657,579,833,469	246,567,525,326	266.69
		2022	549,514,350,331	224,642,313,644	244.62
		2023	522,203,753,791	209,255,715,592	249.55
13	MFMI	2021	225,158,531,500	340,216,666,768	66.18
		2022	241,667,639,524	363,417,648,503	66.50
		2023	225,210,541,084	354,412,830,081	63.54
14	MUTU	2021	80,141,666,142	144,507,335,210	55.46
		2022	85,446,789,199	159,479,744,595	53.58
		2023	74,851,009,693	275,445,853,909	27.17
15	PADA	2021	150,360,479,714	199,493,522,001	75.37

		2022	218,736,768,572	360,024,694,168	60.76
		2023	178,031,025,762	312,037,555,262	57.05
16	SOSS	2021	135,630,028,267	318,171,407,124	42.63
		2022	132,542,687,306	345,365,159,671	38.38
		2023	166,856,441,654	461,112,320,236	36.19
17	TIRA	2021	185,613,898,339	350,928,680,760	52.89
		2022	183,686,914,070	351,091,425,626	52.32
		2023	178,077,417,083	345,923,104,863	51.48



Lampiran 5. Data Perhitungan *Return on Asset* pada Perusahaan *Industrial Service* yang Terdaftar Di BEI

No	Kode	Tahun	Laba Bersih (Rp)	Total Aset (Rp)	ROA (%)
1	ASGR	2021	87,311	2,655,278	3.29
		2022	97,071	2,677,651	3.63
		2023	141,073	2,682,813	5.26
2	BINO	2021	2,810,113,674	410,583,120,420	0.68
		2022	5,741,437,834	544,212,563,185	1.05
		2023	4,389,765,788	543,318,258,444	0.81
3	BLUE	2021	12,026,134,433	89,325,700,727	13.46
		2022	14,379,065,741	95,882,590,139	15.00
		2023	16,733,405,752	103,992,480,787	16.09
4	CRSN	2021	21,338	144,401	14.78
		2022	30,210	170,091	17.76
		2023	27,800	306,045	9.08
5	DYAN	2021	-87,787,279,769	959,596,413,102	-9.15
		2022	30,662,044,291	1,088,333,283,166	2.82
		2023	70,093,758,644	1,203,642,535,212	5.82
6	ICON	2021	237,239,178	371,158,059,902	0.06
		2022	-22,916,943,624	371,248,007,154	-6.17
		2023	-5,162,233,868	359,741,973,622	-1.43
7	INDX	2021	-1,049,325,947	65,165,122,716	-1.61
		2022	-9,625,177,644	58,492,146,988	-16.46
		2023	-6,397,590,228	52,185,086,721	-12.26
8	JTPE	2021	96,513,247,316	1,212,589,829,191	7.96
		2022	143,653,268,644	1,563,637,707,080	9.19
		2023	225,606,773,014	1,789,774,127,224	12.61
9	KING	2021	1,321,264,664	55,624,036,988	2.38
		2022	1,061,205,811	75,394,920,104	1.41
		2023	225,606,773,014	1,789,774,127,224	12.61
10	KONI	2021	7,805,612,118	120,586,203,464	6.47
		2022	11,593,252,744	142,147,376,515	8.16
		2023	19,809,792,534	160,654,900,392	12.33
11	LION	2021	-8,737,689,655	686,806,547,986	-1.27
		2022	2,314,362,759	684,497,878,481	0.34
		2023	6,626,324,372	742,886,859,560	0.89
12	MDRN	2021	126,811,441,634	246,567,525,326	51.43
		2022	77,838,440,623	224,642,313,644	34.65
		2023	11,681,277,308	209,255,715,592	5.58
13	MFMI	2021	25,160,193,681	340,216,666,768	7.40
		2022	24,044,260,651	363,417,648,503	6.62
		2023	28,145,515,198	354,412,830,081	7.94
14	MUTU	2021	19,321,639,236	144,507,335,210	13.37
		2022	36,783,866,582	159,479,744,595	23.06
		2023	30,956,678,091	275,445,853,909	11.24

15	PADA	2021	4,379,330,626	199,493,522,001	2.20
		2022	4,473,510,034	360,024,694,168	1.24
		2023	-5,526,962,277	312,037,555,262	-1.77
16	SOSS	2021	32,632,401,729	318,171,407,124	10.26
		2022	28,842,480,375	345,365,159,671	8.35
		2023	34,551,654,944	461,112,320,236	7.49
17	TIRA	2021	-3,391,380,034	350,928,680,760	-0.97
		2022	2,222,723,545	351,091,425,626	0.63
		2023	1,256,279,784	345,923,104,863	0.36



Lampiran 6. Data Hasil Z-Score

No	Kode	Tahun	Z-Tato	Z-Dar	Z-Roa
1	ASGR	2021	-0.01495	-0.20518	-0.26847
		2022	-0.16262	-0.25617	-0.23688
		2023	-0.14375	-0.35716	-0.08381
2	BINO	2021	-0.5794	-0.61875	-0.51251
		2022	-0.64809	-0.57636	-0.47778
		2023	-0.55656	-0.58725	-0.50093
3	BLUE	2021	0.8991	-0.46638	0.80832
		2022	0.10561	-1.02765	0.8289
		2023	0.11159	-0.95798	0.93148
4	CRSN	2021	-0.03583	-0.97623	0.68519
		2022	0.83273	-0.55851	1.08801
		2023	0.18392	-0.47147	0.27471
5	DYAN	2021	-0.63603	0.22303	-1.4341
		2022	-0.13846	0.08939	-0.3126
		2023	-0.14604	-0.01186	-0.03085
6	ICON	2021	-0.83388	-0.26986	-0.57067
		2022	-0.75406	-0.02587	-1.15522
		2023	-0.71513	-0.11628	-0.71115
7	INDX	2021	-1.12342	-0.5813	-0.72758
		2022	-1.11546	-0.17199	-2.11896
		2023	-1.16682	-0.18638	-1.72568
8	JTPE	2021	-0.35177	-0.58274	0.16933
		2022	-0.33012	-0.40706	0.28441
		2023	0.02348	-0.35999	0.60478
9	KING	2021	1.68809	0.93083	-0.35403
		2022	0.84268	0.35478	-0.44474
		2023	0.17955	-0.21361	-0.41454
10	KONI	2021	-0.20764	-0.80677	0.03003
		2022	-0.00181	-0.73236	0.18775
		2023	0.28838	-0.84051	0.57904
11	LION	2021	-0.77864	-0.28339	-0.6959
		2022	-0.62687	-0.33811	-0.54497
		2023	-0.61608	-0.28262	-0.49306
12	MDRN	2021	-0.89276	3.49539	4.24372
		2022	-0.9188	3.35371	2.67093
		2023	-0.97023	3.98141	-0.05345
13	MFMI	2021	-0.79043	0.24603	0.11647
		2022	-0.78189	0.26698	0.04344
		2023	-0.73755	0.18478	0.16766
14	MUTU	2021	0.29264	-0.03818	0.67652
		2022	0.4826	-0.24562	1.58512
		2023	-0.20612	-0.59061	0.4767
15	PADA	2021	2.13965	0.63926	-0.37091

		2022	0.65313	0.30389	-0.4602
		2023	1.286	0.30826	-0.74267
16	SOSS	2021	2.94792	-0.13896	0.38461
		2022	3.0057	-0.188	0.20607
		2023	2.4684	-0.23733	0.12564
17	TIRA	2021	-0.54614	0.13902	-0.66724
		2022	-0.42301	0.103	-0.51732
		2023	-0.48084	0.08871	-0.54262



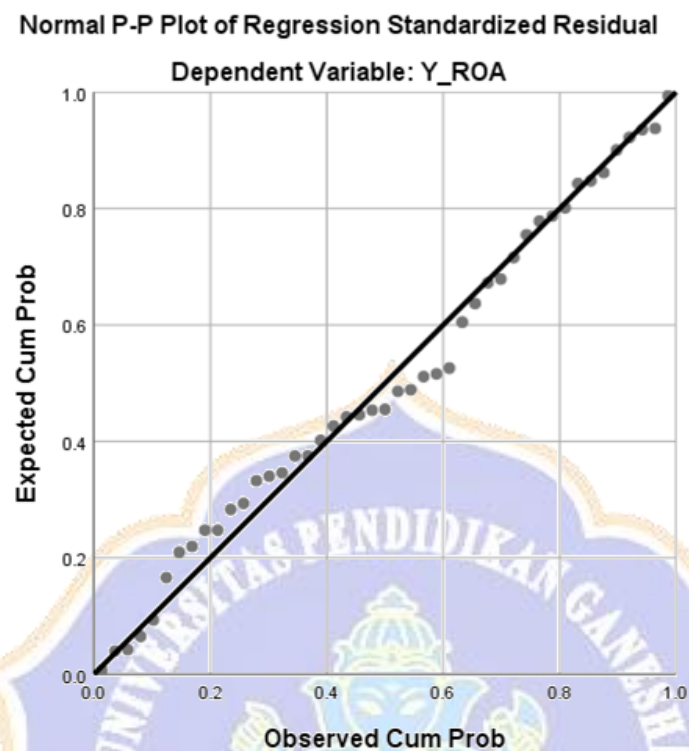
Lampiran 7. Deskripsi Data

Descriptive Statistics					
	N	Minimum	Maximum	Mean	Std. Deviation
X1 TATO	45	.03	3.51	1.1261	.76058
X2 DAR	45	8.36	90.81	38.7381	19.05514
Y ROA	45	-16.46	23.06	4.3560	7.77610
Valid N (listwise)	45				



Lampiran 8. Hasil Uji Asumsi Klasik

(1) Uji Normalitas

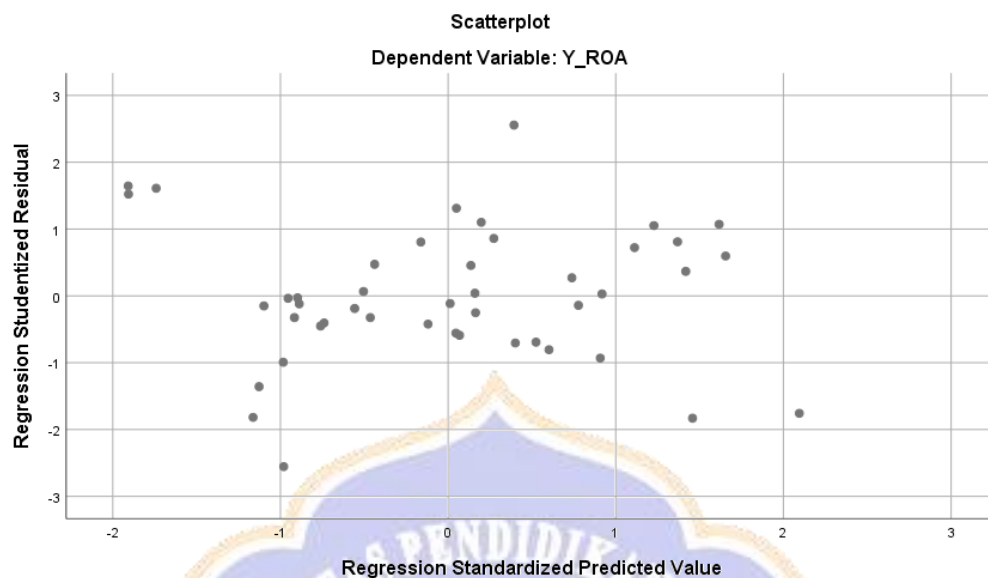


One-Sample Kolmogorov-Smirnov Test		
		Unstandardized Residual
N		45
Normal Parameters ^{a,b}	Mean	.0000000
	Std. Deviation	6.70979049
Most Extreme Differences	Absolute	.096
	Positive	.096
	Negative	-.071
Test Statistic		.096
Asymp. Sig. (2-tailed)		.200 ^{c,d}

(2) Uji Multikolinearitas

Variabel	Collinearity Statistics		Keterangan
	Tolerance	VIF	
Total Asset Turnover (X ₁)	0.842	1.187	Tidak terjadi multikolinearitas
Debt to Asset Ratio (X ₂)	0.842	1.187	Tidak terjadi multikolinearitas

(3) Uji Heteroskedastisitas



Coefficients ^a						
Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	2.518	1.506		1.672	.102
	X1 TATO	.082	.908	.015	.091	.928
	X2 DAR	.064	.036	.285	1.774	.083
a. Dependent Variable: ABRESID						

(4) Uji Autokorelasi

Model Summary ^b					
Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Durbin-Watson
1	.505 ^a	.255	.220	6.86769	2.120
a. Predictors: (Constant), X2 DAR, X1 TATO					
b. Dependent Variable: Y ROA					

Collinearity Diagnostics ^a						
Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	X1 TATO	X2 DAR
1	1	2.717	1.000	.02	.03	.02
	2	.183	3.855	.20	.95	.10
	3	.100	5.211	.78	.01	.88
a. Dependent Variable: Y ROA						

Residuals Statistics ^a					
	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	-3.1435	12.5883	4.3560	3.93020	45
Std. Predicted Value	-1.908	2.095	.000	1.000	45
Standard Error of Predicted Value	1.029	3.493	1.688	.549	45
Adjusted Predicted Value	-4.7122	16.2143	4.4193	4.27181	45
Residual	-16.95795	17.16556	.00000	6.70979	45
Std. Residual	-2.469	2.499	.000	.977	45
Stud. Residual	-2.555	2.556	-.004	1.023	45
Deleted Residual	-18.15762	17.94979	-.06333	7.38036	45
Stud. Deleted Residual	-2.747	2.748	-.005	1.055	45
Mahal. Distance	.011	10.402	1.956	2.183	45
Cook's Distance	.000	.359	.035	.066	45
Centered Leverage Value	.000	.236	.044	.050	45
a. Dependent Variable: Y ROA					