



Lampiran 1

Penentuan Sampel

No	Kode Perusahaan	Nama Perusahaan	Perusahaan yang terdaftar di BEI tahun 2016-2020	Laporan keuangan berakhir pada bulan Desember	Menerbitkan laporan keuangan secara lengkap selama tahun 2016-2020	Memuat secara rinci informasi keuangan sesuai variabel yang dibutuhkan
1	ADRO	PT. Adaro Energy Tbk	√	√	√	√
2	AIMS	PT. Akbar Indo Makmur Stimec Tbk	√	√	√	-
3	ARII	PT. Atlas Resources Tbk	√	√	√	√
4	BBRM	PT. Pelayaran Nasional Bina Buana Raya Tbk	√	√	√	√
5	BSSR	PT. Baramulti Suksessarana Tbk	√	√	√	√
6	BUMI	PT. Bumi Resources Tbk	√	√	√	√
7	BYAN	PT. Bayan Resources Tbk	√	√	√	√
8	CANI	PT. Capitol Nusantara Indonesia Tbk	√	-	√	√
9	CNKO	PT. Eksploitasi Energy Indnesia Tbk	√	√	-	√
10	DSSA	PT. Dian Swastika Sentosa Tbk	√	√	√	√
11	DOID	PT. Dunia Delta Makmur Tbk	√	√	√	√
12	GEMS	PT. Golden Energy Mines Tbk	√	√	√	√
13	GTBO	PT. Garda Tujuh Buana Tbk	√	√	-	√
14	HRUM	PT. Harum Energy Tbk	√	√	√	√
15	INDY	PT. Indika Energy Tbk	√	√	√	√
16	ITMG	PT. Indo Tambangraya Megah Tbk	√	√	√	√
17	KKGI	PT. Resource Alam Indonesia Tbk	√	√	√	√
18	MBAP	PT. Mitrabara Adiperdana Tbk	√	√	√	√
19	MBSS	PT. Mitribahtera Segara Sejati Tbk	√	√	√	√
20	PTBA	PT. Bukit Asam Tbk	√	√	√	√
21	PTIS	PT. Indo Straits Tbk	√	√	√	√
22	RIGS	PT. Rig Tenders Indonesia Tbk	√	-	√	√
23	SMMT	PT. Golden Eagle Energy Tbk	√	√	√	√
24	TOBA	PT. Toba Bara Sejahtera Tbk	√	√	√	√
25	TPMA	PT. Trans Power Marine Tbk	√	√	√	√
26	TRAM	PT. Trada Alam Minera Tbk	√	√	-	√

Lampiran 2

Data Keuangan Perusahaan Sampel
(Aktiva Lancar, Tota Aset, Hutang Lancar, Total Hutang, Total Ekuitas)

No.	Nama Perusahaan	Kode	Tahun	Current Assets	Current Liabilities	Total Assets	Total Liability	Total Equity
				(1)	(2)	(3)	(4)	(5)
1	PT. Adaro Energy Tbk (USD Ribuan)	ADRO	2016	1.592.715	644.555	6.522.257	2.736.375	3.785.882
			2017	1.979.162	773.302	6.814.147	2.722.520	4.091.627
			2018	1.600.294	816.443	7.060.755	2.758.063	4.302.692
			2019	2.109.924	1.232.601	7.217.105	3.233.710	3.983.395
			2020	1.731.619	1.144.923	6.381.566	2.429.852	3.951.714
2	PT. Atlas Resources Tbk (USD Ribuan)	ARII	2016	34.783	205.700	330.115	273.848	56.267
			2017	39.409	181.402	327.055	287.290	39.765
			2018	53.517	228.514	350.065	340.079	9.986
			2019	62.695	260.384	363.952	317.894	46.058
			2020	59.545	286.093	360.802	332.588	28.214
3	PT. Pelayaran Nasional Bina Buana Raya Tbk (USD Penuh)	BBRM	2016	6.994.050	42.354.507	140.246.502	71.090.173	69.156.329
			2017	5.352.564	64.798.536	95.741.257	65.059.280	30.681.977
			2018	7.318.059	8.851.742	85.693.582	62.978.345	22.715.237
			2019	7.538.173	8.110.938	77.498.877	59.264.274	18.234.603
			2020	7.979.414	22.510.950	37.213.358	30.022.368	7.190.990
4	PT. Baramulti Sksessarana Tbk (USD Penuh)	BSSR	2016	54.182.494	48.895.237	183.981.910	58.636.523	127.345.381
			2017	78.872.959	54.430.580	210.137.454	60.246.779	149.890.675
			2018	90.459.139	74.454.433	245.100.202	94.820.865	150.279.337
			2019	77.537.334	64.264.652	250.680.316	80.362.658	170.317.658
			2020	95.968.026	60.853.847	263.343.768	72.967.723	190.376.045
5	PT. Bumi Resources Tbk (USD Penuh)	BUMI	2016	529.147.220	764.265.922	3.102.193.700	5.886.968.507	-2.784.774.807
			2017	758.083.685	1.332.440.615	3.696.498.624	3.410.147.622	286.351.002
			2018	460.903.744	1.158.996.222	3.906.773.939	3.403.162.098	503.611.841
			2019	454.001.034	1.172.847.045	3.702.805.778	3.192.870.099	419.078.745
			2020	397.376.705	1.298.664.634	3.428.550.327	3.295.912.298	132.638.029

Data Keuangan Perusahaan Sampel
(Aktiva Lancar, Tota Aset, Hutang Lancar, Total Hutang, Total Ekuitas)

No.	Nama Perusahaan	Kode	Tahun	Current Assets	Current Liabilities	Total Assets	Total Liability	Total Equity
				(1)	(2)	(3)	(4)	(5)
6	PT. Bayan Resources Tbk (USD Penuh)	BYAN	2016	224.009.923	87.981.651	824.686.661	636.535.687	188.150.974
			2017	309.947.294	302.639.425	888.813.140	373.209.321	515.603.819
			2018	491.460.666	397.223.062	1.150.863.891	472.793.557	678.070.334
			2019	519.575.216	580.937.083	1.278.040.123	658.959.960	619.080.163
			2020	769.275.004	236.695.460	1.619.725.022	758.171.248	861.553.774
7	PT. Dunia Delta Makmur Tbk (USD Penuh)	DOID	2016	299.288.034	219.305.122	882.275.704	755.806.919	126.468.785
			2017	352.913.341	218.393.751	945.581.412	768.413.436	177.167.976
			2018	441.719.196	278.812.380	1.184.094.711	922.582.702	261.511.009
			2019	471.509.645	257.349.435	1.181.911.191	901.340.212	280.570.979
			2020	367.620.154	220.348.158	974.449.753	710.718.334	263.731.419
8	PT. Dian Swastika Sentosa Tbk (USD Penuh)	DSSA	2016	421.316.010	241.070.594	2.232.507.010	949.178.800	1.283.328.210
			2017	685.557.779	412.999.990	2.736.992.648	1.282.671.892	1.454.320.756
			2018	793.587.813	651.017.400	3.386.790.883	1.873.497.037	1.513.293.846
			2019	865.283.201	667.387.770	3.718.973.064	2.080.864.382	1.638.108.682
			2020	1.124.916.288	724.504.586	2.900.230.622	1.311.320.300	1.588.910.322
9	PT. Golden Energy Mines Tbk (USD Penuh)	GEMS	2016	203.411.699	53.894.292	377.670.000	112.751.314	264.918.686
			2017	414.782.753	246.554.242	590.469.384	298.251.273	292.218.111
			2018	310.997.057	248.222.303	701.046.630	385.233.714	315.812.916
			2019	367.763.825	277.997.670	780.646.167	422.379.157	358.267.010
			2020	407.856.734	330.623.136	813.717.765	464.283.221	349.434.544
10	PT. Harum Energy Tbk (USD Penuh)	HRUM	2016	268.174.019	52.932.232	413.365.853	57.935.532	355.430.321
			2017	314.799.790	57.754.920	459.443.071	63.582.349	395.860.722
			2018	310.761.349	68.153.325	467.989.195	79.502.404	388.486.791
			2019	288.389.905	31.270.572	447.001.954	47.418.441	399.583.513
			2020	249.455.822	24.761.588	498.702.216	43.905.598	454.796.618

Data Keuangan Perusahaan Sampel
(Aktiva Lancar, Tota Aset, Hutang Lancar, Total Hutang, Total Ekuitas)

No.	Nama Perusahaan	Kode	Tahun	Current Assets	Current Liabilities	Total Assets	Total Liability	Total Equity
				(1)	(2)	(3)	(4)	(5)
11	PT. Indika Energy Tbk (USD Penuh)	INDY	2016	667.436.233	312.981.711	1.822.333.069	1.081.223.501	741.109.568
			2017	1.353.786.321	659.498.294	3.635.705.403	2.520.683.083	1.115.022.320
			2018	1.459.823.192	670.423.025	3.669.952.693	2.542.768.572	1.127.184.121
			2019	1.431.426.846	711.411.136	3.616.163.065	2.570.388.847	1.045.774.218
			2020	1.394.114.737	707.713.855	3.493.702.857	2.626.405.463	867.297.394
12	PT. Indo Tambangraya Megah Tbk (USD Ribuan)	ITMG	2016	539.004	238.835	1.209.792	302.362	907.430
			2017	796.996	327.508	1.358.663	400.524	958.139
			2018	766.450	389.897	1.442.728	472.945	969.783
			2019	472.500	233.288	1.209.041	324.576	884.465
			2020	419.933	207.300	1.158.629	312.339	846.290
13	PT. Resources Alam Indonesia Tbk (USD Penuh)	KKGI	2016	39.530.587	9.758.434	98.708.750	14.299.044	84.409.706
			2017	40.211.048	11.357.496	105.053.598	16.433.699	88.619.899
			2018	29.163.504	19.728.859	117.265.221	30.558.484	86.706.737
			2019	39.197.070	18.033.350	126.354.537	32.971.463	93.383.074
			2020	33.085.205	10.844.104	108.688.283	24.437.727	84.250.556
14	PT. Mitrabara Adiperdana Tbk (USD Penuh)	MBAP	2016	75.662.988	22.194.952	116.375.759	24.745.376	91.630.383
			2017	108.554.552	34.325.524	160.778.962	38.474.621	122.304.341
			2018	107.855.898	40.887.182	173.509.262	49.328.008	124.181.254
			2019	132.090.716	36.654.975	192.527.289	46.886.899	145.640.390
			2020	125.650.152	33.560.298	181.973.102	43.752.926	138.220.176
15	PT. Mitrabahtera Segara Sejati Tbk (USD Penuh)	MBSS	2016	56.422.657	43.188.295	260.520.607	63.401.387	197.119.220
			2017	52.776.581	43.188.295	240.103.440	52.229.580	187.873.860
			2018	61.982.271	14.429.786	239.708.560	68.321.204	171.387.356
			2019	57.989.931	15.622.177	218.135.430	46.254.611	171.880.819
			2020	53.778.617	25.504.185	194.859.060	38.053.795	156.805.265

Data Keuangan Perusahaan Sampel
(Aktiva Lancar, Tota Aset, Hutang Lancar, Total Hutang, Total Ekuitas)

No.	Nama Perusahaan	Kode	Tahun	Current Assets	Current Liabilities	Total Assets	Total Liability	Total Equity
				(1)	(2)	(3)	(4)	(5)
16	PT. Bukit Asam Tbk (IDR Jutaan)	PTBA	2016	8.349.927	5.042.747	18.576.774	8.024.369	10.552.405
			2017	11.117.745	4.513.226	21.987.482	8.187.497	13.799.985
			2018	11.426.678	4.935.696	24.172.933	7.903.237	16.269.696
			2019	11.679.884	4.691.251	26.098.052	7.675.226	18.422.826
			2020	8.364.356	3.872.457	24.056.755	7.117.559	16.939.196
17	PT. Indo Straits Tbk (USD Penuh)	PTIS	2016	5.453.529	19.925.638	44.378.238	27.718.265	16.659.973
			2017	3.903.943	7.876.891	39.938.073	23.682.384	16.255.689
			2018	4.328.887	5.951.747	37.914.447	21.503.227	16.411.220
			2019	5.315.394	5.516.652	36.114.930	19.496.349	16.618.581
			2020	6.789.156	2.586.545	35.341.230	18.702.305	16.638.925
18	PT. Golden Eagle Energy Tbk (IDR Penuh)	SMMT	2016	21.670.034.777	81.577.226.463	636.742.340.559	255.549.688.996	381.192.651.563
			2017	25.788.635.032	120.678.159.590	725.663.914.382	306.303.664.687	419.360.249.695
			2018	57.750.932.681	175.830.166.003	900.566.201.025	342.430.970.325	558.135.230.700
			2019	85.378.192.680	139.763.286.351	871.513.339.763	287.067.420.462	584.445.919.301
			2020	93.577.946.345	160.127.033.037	881.786.218.140	317.228.386.339	564.557.831.801
19	PT. Toba Bara Sejahtera Tbk (USD Penuh)	TOBA	2016	70.623.720	72.970.943	261.588.159	113.843.825	147.744.334
			2017	100.351.180	65.777.586	348.338.028	173.538.605	174.799.423
			2018	141.942.144	115.958.768	501.883.194	286.259.322	215.623.872
			2019	84.538.694	91.929.716	634.640.456	370.500.569	264.139.887
			2020	70.359.369	96.121.076	771.871.787	480.957.627	290.914.160
20	PT. Trans Power Marine Tbk (USD Penuh)	TPMA	2016	14.379.829	28.420.789	121.215.065	54.976.392	66.238.673
			2017	14.202.278	23.958.307	115.022.001	44.822.302	70.199.699
			2018	17.754.293	24.013.599	111.477.554	35.843.009	75.634.545
			2019	19.011.473	22.569.296	111.635.784	32.576.951	79.058.833
			2020	18.333.067	16.764.282	103.761.267	26.757.516	77.003.751

Lampiran 3

**Data Keuangan Perusahaan Sampel
(Penjualan, EBIT, EBT, EAT, Retained Earning)**

No.	Nama Perusahaan	Kode	Tahun	Sales	EBIT	EBT	EAT	Retained Earning
				(6)	(7)	(8)	(9)	(10)
1	PT. Adaro Energy Tbk	ADRO	2016	2.524.239	587.618	546.520	340.686	1.574.902
			2017	2.358.333	951.825	929.531	536.438	1.910.668
			2018	3.619.751	891.912	820.998	477.541	2.100.391
			2019	3.457.154	617.542	659.103	435.002	2.223.534
			2020	2.534.842	284.897	222.165	158.505	2.278.473
2	PT. Atlas Resources Tbk	ARII	2016	11.641	-17.924	-19.378	-25.482	-88.165
			2017	28.731	-5.832	-7.136	-16.717	-103.516
			2018	38.161	-7.269	-28.767	-28.258	-131.925
			2019	62.803	-7.282	-5.696	-5.537	-135.445
			2020	42.160	-10.215	-17.918	-16.405	-150.357
3	PT. Pelayaran Nasional Bina Buana Raya Tbk	BBRM	2016	25.398.131	-4.612.069	-7.238.541	-7.858.806	-18.617.927
			2017	23.575.803	-36.159.853	-37.880.233	-38.400.472	-57.018.399
			2018	20.701.319	-4.571.106	-7.811.727	-8.054.745	-65.073.144
			2019	17.280.293	-1.685.949	-4.320.672	-4.482.902	-69.556.046
			2020	11.348.417	-9.058.210	-11.036.834	-11.172.452	-80.728.498
4	PT. Baramulti Sknessarana Tbk	BSSR	2016	242.598.535	36.719.874	35.592.255	27.421.577	56.406.647
			2017	392.574.134	111.707.119	111.688.566	82.816.929	73.670.713
			2018	443.432.403	93.261.043	93.354.875	69.063.191	74.059.402
			2019	418.087.491	42.384.852	41.316.129	30.467.457	94.097.675
			2020	331.463.965	41.292.393	40.839.013	30.520.269	114.156.025
5	PT. Bumi Resources Tbk	BUMI	2016	23.372.429	-5.385.866	-9.384.032	120.255.710	-3.289.442.356
			2017	17.366.667	-21.070.352	309.725.010	242.746.183	-2.916.189.852
			2018	1.111.820.412	38.637.902	166.829.576	158.218.349	-2.695.778.081
			2019	1.112.566.618	32.352.614	-19.016.097	9.470.482	-2.688.938.047
			2020	790.436.397	28.472.920	-322.439.419	-337.350.969	-3.055.454.776

**Data Keuangan Perusahaan Sampel
(Penjualan, EBIT, EBT, EAT, Retained Earning)**

No.	Nama Perusahaan	Kode	Tahun	Sales	EBIT	EBT	EAT	Retained Earning
				(6)	(7)	(8)	(9)	(10)
6	PT. Bayan Resources Tbk	BYAN	2016	555.483.921	73.249.442	29.502.709	18.015.433	-135.042.287
			2017	1.067.376.037	447.488.869	420.082.773	338.017.199	184.172.870
			2018	1.676.717.292	694.818.700	696.732.272	524.309.273	535.471.637
			2019	1.391.589.834	316.541.941	311.625.370	234.211.277	458.976.638
			2020	1.395.113.268	450.938.668	426.635.647	344.459.870	720.360.894
7	PT. Dunia Delta Makmur Tbk	DOID	2016	611.231.812	109.457.248	60.709.743	37.089.185	-54.434.135
			2017	764.608.154	134.283.908	86.702.705	46.747.301	-11.644.377
			2018	892.458.605	156.940.543	107.902.359	75.643.300	69.282.604
			2019	881.812.079	83.583.795	34.877.675	20.480.591	87.584.393
			2020	601.691.969	14.052.830	-24.362.484	-23.436.370	70.647.677
8	PT. Dian Swastika Sentosa Tbk	DSSA	2016	712.054.904	137.067.527	97.648.030	64.776.826	550.190.952
			2017	1.321.743.514	296.087.954	191.361.218	128.237.369	635.017.762
			2018	1.768.840.742	329.401.340	194.314.521	120.745.047	724.159.554
			2019	1.666.415.381	237.876.264	132.991.843	71.654.412	773.999.342
			2020	1.507.322.128	173.644.240	-5.418.407	-57.897.543	677.377.700
9	PT. Golden Energy Mines Tbk	GEMS	2016	384.339.836	51.381.706	48.916.736	34.988.248	44.089.496
			2017	759.448.383	170.170.788	167.307.676	120.106.040	71.735.183
			2018	1.045.058.516	143.111.737	136.143.507	100.548.578	94.505.525
			2019	1.107.464.101	111.634.158	101.031.510	66.765.857	135.914.411
			2020	1.061.409.877	129.658.201	127.132.647	95.856.553	125.845.790
10	PT. Harum Energy Tbk	HRUM	2016	217.121.593	32.260.782	29.391.728	17.979.743	144.606.119
			2017	325.599.861	72.083.211	73.030.968	55.748.001	189.784.724
			2018	336.707.790	45.366.392	48.191.469	40.205.422	175.854.858
			2019	262.590.669	21.521.279	25.627.895	20.122.589	186.619.698
			2020	157.819.047	5.999.203	64.171.397	60.292.315	245.663.256

**Data Keuangan Perusahaan Sampel
(Penjualan, EBIT, EBT, EAT, Retained Earning)**

No.	Nama Perusahaan	Kode	Tahun	Sales	EBIT	EBT	EAT	Retained Earning
				(6)	(7)	(8)	(9)	(10)
11	PT. Indika Energy Tbk	INDY	2016	775.232.931	-10.116.182	-115.006.983	-104.230.726	209.537.805
			2017	1.098.760.230	34.122.172	300.116.045	321.633.157	544.954.817
			2018	2.962.860.901	508.056.378	265.076.418	97.862.189	565.022.403
			2019	2.782.676.420	289.524.328	54.134.699	4.992.434	506.862.251
			2020	2.077.212.345	115.858.426	-99.177.186	-103.447.774	355.269.018
12	PT. Indo Tambangraya Megah Tbk	ITMG	2016	1.367.498	208.558	191.991	130.709	519.693
			2017	1.689.525	388.086	362.055	252.703	571.754
			2018	2.007.630	432.050	367.363	258.756	587.486
			2019	1.715.592	180.526	185.908	126.502	500.245
			2020	1.185.336	103.911	72.553	37.828	472.176
13	PT. Resources Alam Indonesia Tbk	KKGI	2016	92.636.624	14.458.813	14.689.875	9.472.864	102.222.359
			2017	83.764.246	19.223.493	19.637.007	13.439.975	110.277.302
			2018	56.942.510	1.016.144	1.119.843	475.600	110.394.987
			2019	114.851.737	8.310.020	8.029.510	5.414.352	116.011.936
			2020	72.221.596	-928.562	-9.354.622	-8.668.015	107.226.575
14	PT. Mitrabara Adiperdana Tbk	MBAP	2016	187.155.820	36.147.130	36.173.315	27.113.735	65.420.003
			2017	258.586.097	78.586.491	78.722.858	58.635.700	95.915.943
			2018	258.138.029	67.366.485	67.621.314	50.310.702	97.852.341
			2019	260.849.803	48.399.231	48.438.664	35.287.557	119.270.534
			2020	201.207.287	36.503.964	37.373.592	27.467.486	111.771.387
15	PT. Mitrahaatera Segara Sejati Tbk	MBSS	2016	65.758.062	-10.611.452	-29.778.990	-29.778.990	127.593.855
			2017	68.450.538	-6.227.775	-8.909.523	-8.909.523	118.740.885
			2018	75.376.517	-4.820.005	1.808.168	-16.748.868	101.596.111
			2019	77.840.848	6.838.078	1.808.168	1.808.168	103.183.658
			2020	54.862.833	-6.672.729	-14.975.954	-14.975.954	87.977.903

**Data Keuangan Perusahaan Sampel
(Penjualan, EBIT, EBT, EAT, Retained Earning)**

No.	Nama Perusahaan	Kode	Tahun	Sales	EBIT	EBT	EAT	Retained Earning
				(6)	(7)	(8)	(9)	(10)
16	PT. Bukit Asam Tbk	PTBA	2016	14.058.869	2.530.807	2.733.799	2.024.405	1.414.772
			2017	19.471.030	5.898.515	6.101.629	4.547.232	3.209.209
			2018	21.166.993	6.224.069	6.799.056	5.121.112	4.340.286
			2019	21.787.564	5.014.355	5.455.162	4.040.394	3.326.649
			2020	17.325.192	2.520.425	3.231.685	2.407.927	1.790.175
17	PT. Indo Straits Tbk	PTIS	2016	10.469.013	-5.896.966	-7.339.574	-7.348.773	-40.168
			2017	10.983.367	-831.611	-1.918.870	-2.110.813	-2.117.377
			2018	12.195.126	1.230.973	172.508	119.354	-1.962.045
			2019	13.084.288	850.798	270.474	220.233	-1.754.890
			2020	12.237.363	389.584	16.740	3.988	-1.734.722
18	PT. Golden Eagle Energy Tbk	SMMT	2016	56.064.913.975	-25.476.145.364	-18.281.061.731	-18.281.061.731	-52.388.771.731
			2017	57.637.418.578	-17.040.781.153	40.078.001.432	40.078.001.432	-21.329.887.107
			2018	190.410.914.134	7.823.360.601	84.584.567.691	84.584.567.691	55.281.113.390
			2019	250.264.866.368	-97.868.747	6.234.017.119	6.234.017.119	58.606.225.046
			2020	209.445.719.950	-28.140.350.937	-23.386.617.883	-23.386.617.883	41.577.174.706
19	PT. Toba Bara Sejahtera Tbk	TOBA	2016	258.271.601	30.066.622	25.984.193	14.586.772	35.151.402
			2017	310.709.476	64.118.746	60.195.507	41.369.891	55.723.043
			2018	438.444.319	102.350.579	97.281.622	68.089.796	94.300.168
			2019	525.524.499	82.516.881	62.869.168	43.745.700	120.177.212
			2020	331.932.404	63.811.526	42.082.914	35.803.866	145.713.642
20	PT. Trans Power Marine Tbk	TPMA	2016	33.181.074	4.484.167	1.881.407	1.483.234	32.809.152
			2017	37.711.769	7.574.446	5.331.362	4.878.821	36.788.938
			2018	43.873.703	10.427.655	8.132.834	7.606.350	42.262.947
			2019	47.688.689	10.586.657	8.811.513	8.239.249	45.671.235
			2020	39.761.788	4.246.319	2.562.232	2.085.091	43.596.153

Lampiran 4

Variabel Penelitian 1

No.	Nama Perusahaan	Kode	Tahun	Working Capital / Total Assets	Retained Earning/ Total Assets	EBIT / Total Assets	BVE / BVD	Sales / Total Assets
				(a)=(1)-(2)/(3))	(b)=(10)/(3)	(c)=(7)/(3)	(d)=(5)/(4)	(e)=(6)/(3)
1	PT. Adaro Energy Tbk	ADRO	2016	0,145	0,241	0,090	1,384	0,387
			2017	0,177	0,280	0,140	1,503	0,346
			2018	0,111	0,297	0,126	1,560	0,513
			2019	0,122	0,308	0,086	1,232	0,479
			2020	0,092	0,357	0,045	1,626	0,397
2	PT. Atlas Resources Tbk	ARII	2016	-0,518	-0,267	-0,054	0,205	0,035
			2017	-0,434	-0,317	-0,018	0,138	0,088
			2018	-0,500	-0,377	-0,021	0,029	0,109
			2019	-0,543	-0,372	-0,020	0,145	0,173
			2020	-0,628	-0,417	-0,028	0,085	0,117
3	PT. Pelayaran Nasional Bina Buana Raya Tbk	BBRM	2016	-0,252	-0,133	-0,033	0,973	0,181
			2017	-0,621	-0,596	-0,378	0,472	0,246
			2018	-0,018	-0,759	-0,053	0,361	0,242
			2019	-0,007	-0,898	-0,022	0,308	0,223
			2020	-0,390	-2,169	-0,243	0,240	0,305
4	PT. Baramulti Skssessarana Tbk	BSSR	2016	0,029	0,307	0,200	2,172	1,319
			2017	0,116	0,351	0,532	2,488	1,868
			2018	0,065	0,302	0,381	1,585	1,809
			2019	0,053	0,375	0,169	2,119	1,668
			2020	0,133	0,433	0,157	2,609	1,259
5	PT. Bumi Resources Tbk	BUMI	2016	-0,076	-1,060	-0,002	-0,473	0,008
			2017	-0,155	-0,789	-0,006	0,084	0,005
			2018	-0,179	-0,690	0,010	0,148	0,285
			2019	-0,194	-0,726	0,009	0,131	0,300
			2020	-0,263	-0,891	0,008	0,040	0,231

Variabel Penelitian 1 (Lanjutan)

No.	Nama Perusahaan	Kode	Tahun	Working Capital / Total Assets	Retained Earning/ Total Assets	EBIT / Total Assets	BVE / BVD	Sales / Total Assets
				(a)=\$((1)-(2)/(3))	(b)=\$((10)/(3))	(c)=\$((7)/(3))	(d)=\$((5)/(4))	(e)=\$((6)/(3))
6	PT. Bayan Resources Tbk	BYAN	2016	0,165	-0,164	0,089	0,296	0,674
			2017	0,008	0,207	0,503	1,382	1,201
			2018	0,082	0,465	0,604	1,434	1,457
			2019	-0,048	0,359	0,248	0,939	1,089
			2020	0,329	0,445	0,278	1,136	0,861
7	PT. Dunia Delta Makmur Tbk	DOID	2016	0,091	-0,062	0,124	0,167	0,693
			2017	0,142	-0,012	0,142	0,231	0,809
			2018	0,138	0,059	0,133	0,283	0,754
			2019	0,181	0,074	0,071	0,311	0,746
			2020	0,151	0,073	0,014	0,371	0,617
8	PT. Dian Swastika Sentosa Tbk	DSSA	2016	0,081	0,246	0,061	1,352	0,319
			2017	0,100	0,232	0,108	1,134	0,483
			2018	0,042	0,214	0,097	0,808	0,522
			2019	0,053	0,208	0,064	0,787	0,448
			2020	0,138	0,234	0,060	1,212	0,520
9	PT. Golden Energy Mines Tbk	GEMS	2016	0,396	0,117	0,136	2,350	1,018
			2017	0,285	0,121	0,288	0,980	1,286
			2018	0,090	0,135	0,204	0,820	1,491
			2019	0,115	0,174	0,143	0,848	1,419
			2020	0,095	0,155	0,159	0,753	1,304
10	PT. Harum Energy Tbk	HRUM	2016	0,521	0,350	0,078	6,135	0,525
			2017	0,559	0,413	0,157	6,226	0,709
			2018	0,518	0,376	0,097	4,886	0,719
			2019	0,575	0,417	0,048	8,427	0,587
			2020	0,451	0,493	0,012	10,359	0,316

Variabel Penelitian 1 (Lanjutan)

No.	Nama Perusahaan	Kode	Tahun	Working Capital / Total Assets	Retained Earning/ Total Assets	EBIT / Total Assets	BVE / BVD	Sales / Total Assets
				(a)=\$((1)-(2)/(3))	(b)=(10)/(3)	(c)=(7)/(3)	(d)=(5)/(4)	(e)=(6)/(3)
11	PT. Indika Energy Tbk	INDY	2016	0,195	0,115	-0,006	0,685	0,425
			2017	0,191	0,150	0,009	0,442	0,302
			2018	0,215	0,154	0,138	0,443	0,807
			2019	0,199	0,140	0,080	0,407	0,770
			2020	0,196	0,102	0,033	0,330	0,595
12	PT. Indo Tambangraya Megah Tbk	ITMG	2016	0,248	0,430	0,172	3,001	1,130
			2017	0,346	0,421	0,286	2,392	1,244
			2018	0,261	0,407	0,299	2,051	1,392
			2019	0,198	0,414	0,149	2,725	1,419
			2020	0,184	0,408	0,090	2,710	1,023
13	PT. Resources Alam Indonesia Tbk	KKGI	2016	0,302	1,036	0,146	5,903	0,938
			2017	0,275	1,050	0,183	5,393	0,797
			2018	0,080	0,941	0,009	2,837	0,486
			2019	0,167	0,918	0,066	2,832	0,909
			2020	0,205	0,987	-0,009	3,448	0,664
14	PT. Mitrabara Adiperdana Tbk	MBAP	2016	0,459	0,562	0,311	3,703	1,608
			2017	0,462	0,597	0,489	3,179	1,608
			2018	0,386	0,564	0,388	2,517	1,488
			2019	0,496	0,619	0,251	3,106	1,355
			2020	0,506	0,614	0,201	3,159	1,106
15	PT. Mitrahaftera Segara Sejati Tbk	MBSS	2016	0,051	0,490	-0,041	3,109	0,252
			2017	0,040	0,495	-0,026	3,597	0,285
			2018	0,198	0,424	-0,020	2,509	0,314
			2019	0,194	0,473	0,031	3,716	0,357
			2020	0,145	0,451	-0,034	4,121	0,282

Variabel Penelitian 1 (Lanjutan)

No.	Nama Perusahaan	Kode	Tahun	Working Capital / Total Assets	Retained Earning/ Total Assets	EBIT / Total Assets	BVE / BVD	Sales / Total Assets
				(a)=\$((1)-(2)/(3))	(b)=\$((10)/(3))	(c)=\$((7)/(3))	(d)=\$((5)/(4))	(e)=\$((6)/(3))
16	PT. Bukit Asam Tbk	PTBA	2016	0,178	0,076	0,136	1,315	0,757
			2017	0,300	0,146	0,268	1,685	0,886
			2018	0,269	0,180	0,257	2,059	0,876
			2019	0,268	0,127	0,192	2,400	0,835
			2020	0,187	0,074	0,105	2,380	0,720
17	PT. Indo Straits Tbk	PTIS	2016	-0,326	-0,001	-0,133	0,601	0,236
			2017	-0,099	-0,053	-0,021	0,686	0,275
			2018	-0,043	-0,052	0,032	0,763	0,322
			2019	-0,006	-0,049	0,024	0,852	0,362
			2020	0,119	-0,049	0,011	0,890	0,346
18	PT. Golden Eagle Energy Tbk	SMMT	2016	-0,094	-0,082	-0,040	1,492	0,088
			2017	-0,131	-0,029	-0,023	1,369	0,079
			2018	-0,131	0,061	0,009	1,630	0,211
			2019	-0,062	0,067	0,000	2,036	0,287
			2020	-0,075	0,047	-0,032	1,780	0,238
19	PT. Toba Bara Sejahtera Tbk	TOBA	2016	-0,009	0,134	0,115	1,298	0,987
			2017	0,099	0,160	0,184	1,007	0,892
			2018	0,052	0,188	0,204	0,753	0,874
			2019	-0,012	0,189	0,130	0,713	0,828
			2020	-0,033	0,189	0,083	0,605	0,430
20	PT. Trans Power Marine Tbk	TPMA	2016	-0,116	0,271	0,037	1,205	0,274
			2017	-0,085	0,320	0,066	1,566	0,328
			2018	-0,056	0,379	0,094	2,110	0,394
			2019	-0,032	0,409	0,095	2,427	0,427
			2020	0,015	0,420	0,041	2,878	0,383

Lampiran 5

Variabel Penelitian 2

No.	Nama Perusahaan	Kode	Tahun	Rerutn On Assets	Debt Ratio	Current Assets / Current Liability	EBT / Current Liability
				(f)=(9)/(3)	(g)=(4)/(3)	(h)=(1)/(2)	(i)=(8)/(2)
1	PT. Adaro Energy Tbk	ADRO	2016	0,052	0,420	2,471	0,848
			2017	0,079	0,400	2,559	1,202
			2018	0,068	0,391	1,960	1,006
			2019	0,060	0,448	1,712	0,535
			2020	0,025	0,381	1,512	0,194
2	PT. Atlas Resources Tbk	ARII	2016	-0,077	0,830	0,169	-0,094
			2017	-0,051	0,878	0,217	-0,039
			2018	-0,081	0,971	0,234	-0,126
			2019	-0,015	0,873	0,241	-0,022
			2020	-0,045	0,922	0,208	-0,063
3	PT. Pelayaran Nasional Bina Buana Raya Tbk	BBRM	2016	-0,056	0,507	0,165	-0,171
			2017	-0,401	0,680	0,083	-0,585
			2018	-0,094	0,735	0,827	-0,883
			2019	-0,058	0,765	0,929	-0,533
			2020	-0,300	0,807	0,354	-0,490
4	PT. Baramulti Skssarana Tbk	BSSR	2016	0,149	0,319	1,108	0,728
			2017	0,394	0,287	1,449	2,052
			2018	0,282	0,387	1,215	1,254
			2019	0,122	0,321	1,207	0,643
			2020	0,116	0,277	1,577	0,671
5	PT. Bumi Resources Tbk	BUMI	2016	0,039	1,898	0,692	-0,012
			2017	0,066	0,923	0,569	0,232
			2018	0,040	0,871	0,398	0,144
			2019	0,003	0,862	0,387	-0,016
			2020	-0,098	0,961	0,306	-0,248

Variabel Penelitian 2 (Lanjutan)

No.	Nama Perusahaan	Kode	Tahun	Rerutn On Assets	Debt Ratio	Current Assets / Current Liability	EBT / Current Liability
				(f)=(9)/(3)	(g)=(4)/(3)	(h)=(1)/(2)	(i)=(8)/(2)
6	PT. Bayan Resources Tbk	BYAN	2016	0,022	0,772	2,546	0,335
			2017	0,380	0,420	1,024	1,388
			2018	0,456	0,411	1,237	1,754
			2019	0,183	0,516	0,894	0,536
			2020	0,213	0,468	3,250	1,802
7	PT. Dunia Delta Makmur Tbk	DOID	2016	0,042	0,857	1,365	0,277
			2017	0,049	0,813	1,616	0,397
			2018	0,064	0,779	1,584	0,387
			2019	0,017	0,763	1,832	0,136
			2020	-0,024	0,729	1,668	-0,111
8	PT. Dian Swastika Sentosa Tbk	DSSA	2016	0,029	0,425	1,748	0,405
			2017	0,047	0,469	1,660	0,463
			2018	0,036	0,553	1,219	0,298
			2019	0,019	0,560	1,297	0,199
			2020	-0,020	0,452	1,553	-0,007
9	PT. Golden Energy Mines Tbk	GEMS	2016	0,093	0,299	3,774	0,908
			2017	0,203	0,505	1,682	0,679
			2018	0,143	0,550	1,253	0,548
			2019	0,086	0,541	1,323	0,363
			2020	0,118	0,571	1,234	0,385
10	PT. Harum Energy Tbk	HRUM	2016	0,043	0,140	5,066	0,555
			2017	0,121	0,138	5,451	1,264
			2018	0,086	0,170	4,560	0,707
			2019	0,045	0,106	9,222	0,820
			2020	0,121	0,088	10,074	2,592

Variabel Penelitian 2 (Lanjutan)

No.	Nama Perusahaan	Kode	Tahun	Rerutn On Assets	Debt Ratio	Current Assets / Current Liability	EBT / Current Liability
				(f)=(9)/(3)	(g)=(4)/(3)	(h)=(1)/(2)	(i)=(8)/(2)
11	PT. Indika Energy Tbk	INDY	2016	-0,057	0,593	2,133	-0,367
			2017	0,088	0,693	2,053	0,455
			2018	0,027	0,693	2,177	0,395
			2019	0,001	0,711	2,012	0,076
			2020	-0,030	0,752	1,970	-0,140
12	PT. Indo Tambangraya Megah Tbk	ITMG	2016	0,108	0,250	2,257	0,804
			2017	0,186	0,295	2,434	1,105
			2018	0,179	0,328	1,966	0,942
			2019	0,105	0,268	2,025	0,797
			2020	0,033	0,270	2,026	0,350
13	PT. Resources Alam Indonesia Tbk	KKGJ	2016	0,096	0,145	4,051	1,505
			2017	0,128	0,156	3,540	1,729
			2018	0,004	0,261	1,478	0,057
			2019	0,043	0,261	2,174	0,445
			2020	-0,080	0,225	3,051	-0,863
14	PT. Mitrabara Adiperdana Tbk	MBAP	2016	0,233	0,213	3,409	1,630
			2017	0,365	0,239	3,163	2,293
			2018	0,290	0,284	2,638	1,654
			2019	0,183	0,244	3,604	1,321
			2020	0,151	0,240	3,744	1,114
15	PT. Mitrabahtera Segara Sejati Tbk	MBSS	2016	-0,114	0,243	1,306	-0,690
			2017	-0,037	0,218	1,222	-0,206
			2018	-0,070	0,285	4,295	0,125
			2019	0,008	0,212	3,712	0,116
			2020	-0,077	0,195	2,109	-0,587

Variabel Penelitian 2 (Lanjutan)

No.	Nama Perusahaan	Kode	Tahun	Rerutn On Assets	Debt Ratio	Current Assets / Current Liability	EBT / Current Liability
				(f)=(9)/(3)	(g)=(4)/(3)	(h)=(1)/(2)	(i)=(8)/(2)
16	PT. Bukit Asam Tbk	PTBA	2016	0,109	0,432	1,656	0,542
			2017	0,207	0,372	2,463	1,352
			2018	0,212	0,327	2,315	1,378
			2019	0,155	0,294	2,490	1,163
			2020	0,100	0,296	2,160	0,835
17	PT. Indo Straits Tbk	PTIS	2016	-0,166	0,625	0,274	-0,368
			2017	-0,053	0,593	0,496	-0,244
			2018	0,003	0,567	0,727	0,029
			2019	0,006	0,540	0,964	0,049
			2020	0,000	0,529	2,625	0,006
18	PT. Golden Eagle Energy Tbk	SMMT	2016	-0,029	0,401	0,266	-0,224
			2017	0,055	0,422	0,214	0,332
			2018	0,094	0,380	0,328	0,481
			2019	0,007	0,329	0,611	0,045
			2020	-0,027	0,360	0,584	-0,146
19	PT. Toba Bara Sejahtera Tbk	TOBA	2016	0,056	0,435	0,968	0,356
			2017	0,119	0,498	1,526	0,915
			2018	0,136	0,570	1,224	0,839
			2019	0,069	0,584	0,920	0,684
			2020	0,046	0,623	0,732	0,438
20	PT. Trans Power Marine Tbk	TPMA	2016	0,012	0,454	0,506	0,066
			2017	0,042	0,390	0,593	0,223
			2018	0,068	0,322	0,739	0,339
			2019	0,074	0,292	0,842	0,390
			2020	0,020	0,258	1,094	0,153

Lampiran 6

Perhitungan Model Altman Z-Score

No.	Nama Perusahaan	Kode	Tahun	6,56X1	3,26X2	6,72X3	1,05X4	Altman Z-Score	Rata-Rata
				(i=6,56*(a))	(ii=3,26*(b))	(iii=6,72*(c))	(iv=1,05*(d))	(i)+(ii)+(iii)+(iv)	
1	PT. Adaro Energy Tbk	ADRO	2016	0,954	0,787	0,605	1,453	3,799	4,00
			2017	1,161	0,914	0,939	1,578	4,592	
			2018	0,728	0,970	0,849	1,638	4,185	
			2019	0,797	1,004	0,575	1,293	3,670	
			2020	0,603	1,164	0,300	1,708	3,775	
2	PT. Atlas Resources Tbk	ARII	2016	-3,396	-0,871	-0,365	0,216	-4,416	-4,64
			2017	-2,848	-1,032	-0,120	0,145	-3,854	
			2018	-3,279	-1,229	-0,140	0,031	-4,617	
			2019	-3,563	-1,213	-0,134	0,152	-4,759	
			2020	-4,119	-1,359	-0,190	0,089	-5,579	
3	PT. Pelayaran Nasional Bina Buana Raya Tbk	BBRM	2016	-1,654	-0,433	-0,221	1,021	-1,286	-5,15
			2017	-4,073	-1,941	-2,538	0,495	-8,057	
			2018	-0,117	-2,476	-0,358	0,379	-2,573	
			2019	-0,048	-2,926	-0,146	0,323	-2,797	
			2020	-2,562	-7,072	-1,636	0,251	-11,018	
4	PT. Baramulti Skesssarana Tbk	BSSR	2016	0,189	0,999	1,341	2,280	4,810	5,91
			2017	0,763	1,143	3,572	2,612	8,091	
			2018	0,428	0,985	2,557	1,664	5,634	
			2019	0,347	1,224	1,136	2,225	4,933	
			2020	0,875	1,413	1,054	2,739	6,081	
5	PT. Bumi Resources Tbk	BUMI	2016	-0,497	-3,457	-0,012	-0,497	-4,462	-3,84
			2017	-1,019	-2,572	-0,038	0,088	-3,541	
			2018	-1,172	-2,249	0,066	0,155	-3,200	
			2019	-1,274	-2,367	0,059	0,138	-3,444	
			2020	-1,724	-2,905	0,056	0,042	-4,532	

Perhitungan Model Altman Z-Score (Lanjutan)

No.	Nama Perusahaan	Kode	Tahun	6,56X1	3,26X2	6,72X3	1,05X4	Altman Z-Score	Rata-Rata
				(i=6,56*(a))	(ii=3,26*(b))	(iii=6,72*(c))	(iv=1,05*(d))	(i)+(ii)+(iii)+(iv)	
6	PT. Bayan Resources Tbk	BYAN	2016	1,082	-0,534	0,597	0,310	1,455	4,96
			2017	0,054	0,676	3,383	1,451	5,563	
			2018	0,537	1,517	4,057	1,506	7,617	
			2019	-0,315	1,171	1,664	0,986	3,507	
			2020	2,157	1,450	1,871	1,193	6,671	
7	PT. Dunia Delta Makmur Tbk	DOID	2016	0,595	-0,201	0,834	0,176	1,403	1,94
			2017	0,933	-0,040	0,954	0,242	2,090	
			2018	0,903	0,191	0,891	0,298	2,282	
			2019	1,189	0,242	0,475	0,327	2,232	
			2020	0,991	0,236	0,097	0,390	1,714	
8	PT. Dian Swastika Sentosa Tbk	DSSA	2016	0,530	0,803	0,413	1,420	3,165	2,92
			2017	0,653	0,756	0,727	1,191	3,327	
			2018	0,276	0,697	0,654	0,848	2,475	
			2019	0,349	0,678	0,430	0,827	2,284	
			2020	0,906	0,761	0,402	1,272	3,342	
9	PT. Golden Energy Mines Tbk	GEMS	2016	2,597	0,381	0,914	2,467	6,359	4,20
			2017	1,869	0,396	1,937	1,029	5,230	
			2018	0,587	0,439	1,372	0,861	3,259	
			2019	0,754	0,568	0,961	0,891	3,174	
			2020	0,623	0,504	1,071	0,790	2,988	
10	PT. Harum Energy Tbk	HRUM	2016	3,416	1,140	0,524	6,442	11,522	12,87
			2017	3,670	1,347	1,054	6,537	12,608	
			2018	3,401	1,225	0,651	5,131	10,408	
			2019	3,773	1,361	0,324	8,848	14,306	
			2020	2,956	1,606	0,081	10,876	15,519	

Perhitungan Model Altman Z-Score (Lanjutan)

No.	Nama Perusahaan	Kode	Tahun	6,56X1	3,26X2	6,72X3	1,05X4	Altman Z-Score	Rata-Rata
				(i=6,56*(a))	(ii=3,26*(b))	(iii=6,72*(c))	(iv=1,05*(d))	(i)+(ii)+(iii)+(iv)	
11	PT. Indika Energy Tbk	INDY	2016	1,276	0,375	-0,037	0,720	2,333	2,57
			2017	1,253	0,489	0,063	0,464	2,269	
			2018	1,411	0,502	0,930	0,465	3,309	
			2019	1,306	0,457	0,538	0,427	2,728	
			2020	1,289	0,332	0,223	0,347	2,190	
12	PT. Indo Tambangraya Megah Tbk	ITMG	2016	1,628	1,400	1,158	3,151	7,338	7,02
			2017	2,267	1,372	1,919	2,512	8,070	
			2018	1,712	1,327	2,012	2,153	7,205	
			2019	1,298	1,349	1,003	2,861	6,511	
			2020	1,204	1,329	0,603	2,845	5,980	
13	PT. Resources Alam Indonesia Tbk	KKGI	2016	1,979	3,376	0,984	6,198	12,537	9,38
			2017	1,802	3,422	1,230	5,662	12,116	
			2018	0,528	3,069	0,058	2,979	6,634	
			2019	1,099	2,993	0,442	2,974	7,508	
			2020	1,342	3,216	-0,057	3,620	8,121	
14	PT. Mitrabara Adiperdana Tbk	MBAP	2016	3,014	1,833	2,087	3,888	10,822	10,45
			2017	3,029	1,945	3,285	3,338	11,596	
			2018	2,532	1,839	2,609	2,643	9,623	
			2019	3,252	2,020	1,689	3,262	10,222	
			2020	3,320	2,002	1,348	3,317	9,987	
15	PT. Mitrabahtera Segara Sejati Tbk	MBSS	2016	0,333	1,597	-0,274	3,265	4,921	5,81
			2017	0,262	1,612	-0,174	3,777	5,477	
			2018	1,301	1,382	-0,135	2,634	5,182	
			2019	1,274	1,542	0,211	3,902	6,929	
			2020	0,952	1,472	-0,230	4,327	6,520	

Perhitungan Model Altman Z-Score (Lanjutan)

No.	Nama Perusahaan	Kode	Tahun	6,56X1	3,26X2	6,72X3	1,05X4	Altman Z-Score	Rata-Rata
				(i=6,56*(a))	(ii=3,26*(b))	(iii=6,72*(c))	(iv=1,05*(d))	(i)+(ii)+(iii)+(iv)	
16	PT. Bukit Asam Tbk	PTBA	2016	1,168	0,248	0,915	1,381	3,712	5,32
			2017	1,970	0,476	1,803	1,770	6,019	
			2018	1,762	0,585	1,730	2,162	6,239	
			2019	1,757	0,416	1,291	2,520	5,984	
			2020	1,225	0,243	0,704	2,499	4,670	
17	PT. Indo Straits Tbk	PTIS	2016	-2,139	-0,003	-0,893	0,631	-2,404	0,08
			2017	-0,653	-0,173	-0,140	0,721	-0,245	
			2018	-0,281	-0,169	0,218	0,801	0,570	
			2019	-0,037	-0,158	0,158	0,895	0,858	
			2020	0,780	-0,160	0,074	0,934	1,628	
18	PT. Golden Eagle Energy Tbk	SMMT	2016	-0,617	-0,268	-0,269	1,566	0,412	1,02
			2017	-0,858	-0,096	-0,158	1,438	0,326	
			2018	-0,860	0,200	0,058	1,711	1,110	
			2019	-0,409	0,219	-0,001	2,138	1,947	
			2020	-0,495	0,154	-0,214	1,869	1,313	
19	PT. Toba Bara Sejahtera Tbk	TOBA	2016	-0,059	0,438	0,772	1,363	2,514	2,57
			2017	0,651	0,521	1,237	1,058	3,467	
			2018	0,340	0,613	1,370	0,791	3,113	
			2019	-0,076	0,617	0,874	0,749	2,163	
			2020	-0,219	0,615	0,556	0,635	1,587	
20	PT. Trans Power Marine Tbk	TPMA	2016	-0,760	0,882	0,249	1,265	1,636	3,40
			2017	-0,556	1,043	0,443	1,644	2,573	
			2018	-0,368	1,236	0,629	2,216	3,712	
			2019	-0,209	1,334	0,637	2,548	4,310	
			2020	0,099	1,370	0,275	3,022	4,766	

Lampiran 7

Perhitungan Model Grover

No.	Nama Perusahaan	Kode	Tahun	1,650X1	3,404X3	0,016ROA	Grover	Rata-Rata
				(i=1,650*(a))	(ii=3,404*(c))	(iii=0,016*(f))	(i)+(ii)-(iii)+0,057	
1	PT. Adaro Energy Tbk	ADRO	2016	0,240	0,307	0,001	0,603	0,60
			2017	0,292	0,475	0,001	0,823	
			2018	0,183	0,430	0,001	0,669	
			2019	0,201	0,291	0,001	0,548	
			2020	0,152	0,152	0,000	0,360	
2	PT. Atlas Resources Tbk	ARII	2016	-0,854	-0,185	-0,001	-0,981	-0,90
			2017	-0,716	-0,061	-0,001	-0,719	
			2018	-0,825	-0,071	-0,001	-0,837	
			2019	-0,896	-0,068	0,000	-0,907	
			2020	-1,036	-0,096	-0,001	-1,075	
3	PT. Pelayaran Nasional Bina Buana Raya Tbk	BBRM	2016	-0,416	-0,112	-0,001	-0,470	-0,86
			2017	-1,024	-1,286	-0,006	-2,247	
			2018	-0,030	-0,182	-0,002	-0,153	
			2019	-0,012	-0,074	-0,001	-0,028	
			2020	-0,644	-0,829	-0,005	-1,411	
4	PT. Baramulti Skessarana Tbk	BSSR	2016	0,047	0,679	0,002	0,781	1,16
			2017	0,192	1,810	0,006	2,052	
			2018	0,108	1,295	0,005	1,455	
			2019	0,087	0,576	0,002	0,718	
			2020	0,220	0,534	0,002	0,809	
5	PT. Bumi Resources Tbk	BUMI	2016	-0,125	-0,006	0,001	-0,075	-0,22
			2017	-0,256	-0,019	0,001	-0,220	
			2018	-0,295	0,034	0,001	-0,205	
			2019	-0,320	0,030	0,000	-0,234	
			2020	-0,434	0,028	-0,002	-0,347	

Perhitungan Model Grover (Lanjutan)

No.	Nama Perusahaan	Kode	Tahun	1,650X1	3,404X3	0,016ROA	Grover	Rata-Rata
				(i=1,650*(a))	(ii=3,404*(c))	(iii=0,016*(f))	(i)+(ii)-(iii)+0,057	
6	PT. Bayan Resources Tbk	BYAN	2016	0,272	0,302	0,000	0,631	1,40
			2017	0,014	1,714	0,006	1,778	
			2018	0,135	2,055	0,007	2,240	
			2019	-0,079	0,843	0,003	0,818	
			2020	0,543	0,948	0,003	1,544	
7	PT. Dunia Delta Makmur Tbk	DOID	2016	0,150	0,422	0,001	0,628	0,62
			2017	0,235	0,483	0,001	0,774	
			2018	0,227	0,451	0,001	0,734	
			2019	0,299	0,241	0,000	0,596	
			2020	0,249	0,049	0,000	0,356	
8	PT. Dian Swastika Sentosa Tbk	DSSA	2016	0,133	0,209	0,000	0,399	0,46
			2017	0,164	0,368	0,001	0,589	
			2018	0,069	0,331	0,001	0,457	
			2019	0,088	0,218	0,000	0,362	
			2020	0,228	0,204	0,000	0,489	
9	PT. Golden Energy Mines Tbk	GEMS	2016	0,653	0,463	0,001	1,172	1,01
			2017	0,470	0,981	0,003	1,505	
			2018	0,148	0,695	0,002	0,897	
			2019	0,190	0,487	0,001	0,732	
			2020	0,157	0,542	0,002	0,754	
10	PT. Harum Energy Tbk	HRUM	2016	0,859	0,266	0,001	1,181	1,19
			2017	0,923	0,534	0,002	1,512	
			2018	0,855	0,330	0,001	1,241	
			2019	0,949	0,164	0,001	1,169	
			2020	0,743	0,041	0,002	0,839	

Perhitungan Model Grover (Lanjutan)

No.	Nama Perusahaan	Kode	Tahun	1,650X1	3,404X3	0,016ROA	Grover	Rata-Rata
				(i=1,650*(a))	(ii=3,404*(c))	(iii=0,016*(f))	(i)+(ii)-(iii)+0,057	
11	PT. Indika Energy Tbk	INDY	2016	0,321	-0,019	-0,001	0,360	0,56
			2017	0,315	0,032	0,001	0,403	
			2018	0,355	0,471	0,000	0,883	
			2019	0,329	0,273	0,000	0,658	
			2020	0,324	0,113	0,000	0,495	
12	PT. Indo Tambangraya Megah Tbk	ITMG	2016	0,409	0,587	0,002	1,051	1,14
			2017	0,570	0,972	0,003	1,596	
			2018	0,431	1,019	0,003	1,504	
			2019	0,326	0,508	0,002	0,890	
			2020	0,303	0,305	0,001	0,665	
13	PT. Resources Alam Indonesia Tbk	KKGI	2016	0,498	0,499	0,002	1,052	0,67
			2017	0,453	0,623	0,002	1,131	
			2018	0,133	0,029	0,000	0,219	
			2019	0,276	0,224	0,001	0,557	
			2020	0,338	-0,029	-0,001	0,367	
14	PT. Mitrabara Adiperdana Tbk	MBAP	2016	0,758	1,057	0,004	1,869	1,93
			2017	0,762	1,664	0,006	2,477	
			2018	0,637	1,322	0,005	2,011	
			2019	0,818	0,856	0,003	1,728	
			2020	0,835	0,683	0,002	1,572	
15	PT. Mitrabahtera Segara Sejati Tbk	MBSS	2016	0,084	-0,139	-0,002	0,004	0,20
			2017	0,066	-0,088	-0,001	0,035	
			2018	0,327	-0,068	-0,001	0,317	
			2019	0,320	0,107	0,000	0,484	
			2020	0,239	-0,117	-0,001	0,181	

Perhitungan Model Grover (Lanjutan)

No.	Nama Perusahaan	Kode	Tahun	1,650X1	3,404X3	0,016ROA	Grover	Rata-Rata
				(i=1,650*(a))	(ii=3,404*(c))	(iii=0,016*(f))	(i)+(ii)-(iii)+0,057	
16	PT. Bukit Asam Tbk	PTBA	2016	0,294	0,464	0,002	0,813	1,10
			2017	0,496	0,913	0,003	1,462	
			2018	0,443	0,876	0,003	1,373	
			2019	0,442	0,654	0,002	1,150	
			2020	0,308	0,357	0,002	0,720	
17	PT. Indo Straits Tbk	PTIS	2016	-0,538	-0,452	-0,003	-0,931	-0,12
			2017	-0,164	-0,071	-0,001	-0,177	
			2018	-0,071	0,111	0,000	0,097	
			2019	-0,009	0,080	0,000	0,128	
			2020	0,196	0,038	0,000	0,291	
18	PT. Golden Eagle Energy Tbk	SMMT	2016	-0,155	-0,136	0,000	-0,234	-0,17
			2017	-0,216	-0,080	0,001	-0,240	
			2018	-0,216	0,030	0,002	-0,131	
			2019	-0,103	0,000	0,000	-0,046	
			2020	-0,125	-0,109	0,000	-0,176	
19	PT. Toba Bara Sejahtera Tbk	TOBA	2016	-0,015	0,391	0,001	0,433	0,57
			2017	0,164	0,627	0,002	0,845	
			2018	0,085	0,694	0,002	0,834	
			2019	-0,019	0,443	0,001	0,479	
			2020	-0,055	0,281	0,001	0,283	
20	PT. Trans Power Marine Tbk	TPMA	2016	-0,191	0,126	0,000	-0,008	0,19
			2017	-0,140	0,224	0,001	0,141	
			2018	-0,093	0,318	0,001	0,282	
			2019	-0,053	0,323	0,001	0,326	
			2020	0,025	0,139	0,000	0,221	

Lampiran 8

Perhitungan Model Springate

No.	Nama Perusahaan	Kode	Tahun	1,03X1	3,07X3	0,66C	0,4X5	Springate	Rata-Rata
				(i=1,03*(a))	(ii=3,07*(c))	(iii=0,66*(i))	(iv=0,4*(e))	(i)+(ii)+(iii)+(iv)	
1	PT. Adaro Energy Tbk	ADRO	2016	0,150	0,277	0,560	0,155	1,141	1,10
			2017	0,182	0,429	0,793	0,138	1,543	
			2018	0,114	0,388	0,664	0,205	1,371	
			2019	0,125	0,263	0,353	0,192	0,932	
			2020	0,095	0,137	0,128	0,159	0,519	
2	PT. Atlas Resources Tbk	ARII	2016	-0,533	-0,167	-0,062	0,014	-0,748	-0,63
			2017	-0,447	-0,055	-0,026	0,035	-0,493	
			2018	-0,515	-0,064	-0,083	0,044	-0,618	
			2019	-0,559	-0,061	-0,014	0,069	-0,566	
			2020	-0,647	-0,087	-0,041	0,047	-0,728	
3	PT. Pelayaran Nasional Bina Buana Raya Tbk	BBRM	2016	-0,260	-0,101	-0,113	0,072	-0,401	-0,97
			2017	-0,640	-1,159	-0,386	0,098	-2,086	
			2018	-0,018	-0,164	-0,582	0,097	-0,668	
			2019	-0,008	-0,067	-0,352	0,089	-0,337	
			2020	-0,402	-0,747	-0,324	0,122	-1,351	
4	PT. Baramulti Sksessarana Tbk	BSSR	2016	0,030	0,613	0,480	0,527	1,650	2,30
			2017	0,120	1,632	1,354	0,747	3,853	
			2018	0,067	1,168	0,828	0,724	2,787	
			2019	0,055	0,519	0,424	0,667	1,665	
			2020	0,137	0,481	0,443	0,503	1,565	
5	PT. Bumi Resources Tbk	BUMI	2016	-0,078	-0,005	-0,008	0,003	-0,088	-0,09
			2017	-0,160	-0,017	0,153	0,002	-0,022	
			2018	-0,184	0,030	0,095	0,114	0,055	
			2019	-0,200	0,027	-0,011	0,120	-0,064	
			2020	-0,271	0,025	-0,164	0,092	-0,317	

Perhitungan Model Springate (Lanjutan)

No.	Nama Perusahaan	Kode	Tahun	1,03X1	3,07X3	0,66C	0,4X5	Springate	Rata-Rata
				(i=1,03*(a))	(ii=3,07*(c))	(iii=0,66*(i))	(iv=0,4*(e))	(i)+(ii)+(iii)+(iv)	
6	PT. Bayan Resources Tbk	BYAN	2016	0,170	0,273	0,221	0,269	0,933	2,36
			2017	0,008	1,546	0,916	0,480	2,951	
			2018	0,084	1,853	1,158	0,583	3,678	
			2019	-0,049	0,760	0,354	0,436	1,500	
			2020	0,339	0,855	1,190	0,345	2,728	
7	PT. Dunia Delta Makmur Tbk	DOID	2016	0,093	0,381	0,183	0,277	0,934	0,87
			2017	0,147	0,436	0,262	0,323	1,168	
			2018	0,142	0,407	0,255	0,301	1,106	
			2019	0,187	0,217	0,089	0,298	0,792	
			2020	0,156	0,044	-0,073	0,247	0,374	
8	PT. Dian Swastika Sentosa Tbk	DSSA	2016	0,083	0,188	0,267	0,128	0,667	0,69
			2017	0,103	0,332	0,306	0,193	0,934	
			2018	0,043	0,299	0,197	0,209	0,748	
			2019	0,055	0,196	0,132	0,179	0,562	
			2020	0,142	0,184	-0,005	0,208	0,529	
9	PT. Golden Energy Mines Tbk	GEMS	2016	0,408	0,418	0,599	0,407	1,832	1,68
			2017	0,293	0,885	0,448	0,514	2,141	
			2018	0,092	0,627	0,362	0,596	1,677	
			2019	0,118	0,439	0,240	0,567	1,365	
			2020	0,098	0,489	0,254	0,522	1,362	
10	PT. Harum Energy Tbk	HRUM	2016	0,536	0,240	0,366	0,210	1,353	1,79
			2017	0,576	0,482	0,835	0,283	2,176	
			2018	0,534	0,298	0,467	0,288	1,586	
			2019	0,592	0,148	0,541	0,235	1,516	
			2020	0,464	0,037	1,710	0,127	2,338	

Perhitungan Model Springate (Lanjutan)

No.	Nama Perusahaan	Kode	Tahun	1,03X1	3,07X3	0,66C	0,4X5	Springate	Rata-Rata
				(i=1,03*(a))	(ii=3,07*(c))	(iii=0,66*(i))	(iv=0,4*(e))	(i)+(ii)+(iii)+(iv)	
11	PT. Indika Energy Tbk	INDY	2016	0,200	-0,017	-0,243	0,170	0,111	0,65
			2017	0,197	0,029	0,300	0,121	0,647	
			2018	0,222	0,425	0,261	0,323	1,230	
			2019	0,205	0,246	0,050	0,308	0,809	
			2020	0,202	0,102	-0,092	0,238	0,450	
12	PT. Indo Tambangraya Megah Tbk	ITMG	2016	0,256	0,529	0,531	0,452	1,767	1,89
			2017	0,356	0,877	0,730	0,497	2,460	
			2018	0,269	0,919	0,622	0,557	2,367	
			2019	0,204	0,458	0,526	0,568	1,756	
			2020	0,189	0,275	0,231	0,409	1,105	
13	PT. Resources Alam Indonesia Tbk	KGGI	2016	0,311	0,450	0,994	0,375	2,129	1,14
			2017	0,283	0,562	1,141	0,319	2,305	
			2018	0,083	0,027	0,037	0,194	0,341	
			2019	0,173	0,202	0,294	0,364	1,032	
			2020	0,211	-0,026	-0,569	0,266	-0,119	
14	PT. Mitrabara Adiperdana Tbk	MBAP	2016	0,473	0,954	1,076	0,643	3,146	3,11
			2017	0,476	1,501	1,514	0,643	4,133	
			2018	0,398	1,192	1,092	0,595	3,276	
			2019	0,511	0,772	0,872	0,542	2,696	
			2020	0,521	0,616	0,735	0,442	2,314	
15	PT. Mitrabahtera Segara Sejati Tbk	MBSS	2016	0,052	-0,125	-0,455	0,101	-0,427	0,03
			2017	0,041	-0,080	-0,136	0,114	-0,061	
			2018	0,204	-0,062	0,083	0,126	0,351	
			2019	0,200	0,096	0,076	0,143	0,515	
			2020	0,149	-0,105	-0,388	0,113	-0,231	

Perhitungan Model Springate (Lanjutan)

No.	Nama Perusahaan	Kode	Tahun	1,03X1	3,07X3	0,66C	0,4X5	Springate	Rata-Rata
				(i=1,03*(a))	(ii=3,07*(c))	(iii=0,66*(i))	(iv=0,4*(e))	(i)+(ii)+(iii)+(iv)	
16	PT. Bukit Asam Tbk	PTBA	2016	0,183	0,418	0,358	0,303	1,262	1,86
			2017	0,309	0,824	0,892	0,354	2,379	
			2018	0,277	0,790	0,909	0,350	2,326	
			2019	0,276	0,590	0,767	0,334	1,967	
			2020	0,192	0,322	0,551	0,288	1,353	
17	PT. Indo Straits Tbk	PTIS	2016	-0,336	-0,408	-0,243	0,094	-0,893	-0,07
			2017	-0,102	-0,064	-0,161	0,110	-0,217	
			2018	-0,044	0,100	0,019	0,129	0,203	
			2019	-0,006	0,072	0,032	0,145	0,244	
			2020	0,122	0,034	0,004	0,139	0,299	
18	PT. Golden Eagle Energy Tbk	SMMT	2016	-0,097	-0,123	-0,148	0,035	-0,332	-0,02
			2017	-0,135	-0,072	0,219	0,032	0,044	
			2018	-0,135	0,027	0,317	0,085	0,294	
			2019	-0,064	0,000	0,029	0,115	0,080	
			2020	-0,078	-0,098	-0,096	0,095	-0,177	
19	PT. Toba Bara Sejahtera Tbk	TOBA	2016	-0,009	0,353	0,235	0,395	0,974	1,21
			2017	0,102	0,565	0,604	0,357	1,628	
			2018	0,053	0,626	0,554	0,349	1,583	
			2019	-0,012	0,399	0,451	0,331	1,170	
			2020	-0,034	0,254	0,289	0,172	0,680	
20	PT. Trans Power Marine Tbk	TPMA	2016	-0,119	0,114	0,044	0,109	0,147	0,45
			2017	-0,087	0,202	0,147	0,131	0,393	
			2018	-0,058	0,287	0,224	0,157	0,610	
			2019	-0,033	0,291	0,258	0,171	0,687	
			2020	0,016	0,126	0,101	0,153	0,395	

Perhitungan Model Zmijewski

No.	Nama Perusahaan	Kode	Tahun	4,5ROA	5,7A	0,004B	Zmijewski	Rata-Rata
				(i=4,5*(f))	(ii=5,7*(g))	(iii=0,004*(h))	(-4,3)-(i)+(ii)-(iii)	
1	PT. Adaro Energy Tbk	ADRO	2016	0,235	2,391	0,010	-2,154	-2,24
			2017	0,354	2,277	0,010	-2,387	
			2018	0,304	2,227	0,008	-2,386	
			2019	0,271	2,554	0,007	-2,024	
			2020	0,112	2,170	0,006	-2,247	
2	PT. Atlas Resources Tbk	ARII	2016	-0,347	4,728	0,001	0,775	1,04
			2017	-0,230	5,007	0,001	0,936	
			2018	-0,363	5,537	0,001	1,600	
			2019	-0,068	4,979	0,001	0,746	
			2020	-0,205	5,254	0,001	1,158	
3	PT. Pelayaran Nasional Bina Buana Raya Tbk	BBRM	2016	-0,252	2,889	0,001	-1,159	0,50
			2017	-1,805	3,873	0,000	1,378	
			2018	-0,423	4,189	0,003	0,309	
			2019	-0,260	4,359	0,004	0,315	
			2020	-1,351	4,599	0,001	1,648	
4	PT. Baramulti Sksssarana Tbk	BSSR	2016	0,671	1,817	0,004	-3,158	-3,45
			2017	1,773	1,634	0,006	-4,445	
			2018	1,268	2,205	0,005	-3,368	
			2019	0,547	1,827	0,005	-3,024	
			2020	0,522	1,579	0,006	-3,248	
5	PT. Bumi Resources Tbk	BUMI	2016	0,174	10,817	0,003	6,340	1,94
			2017	0,296	5,258	0,002	0,661	
			2018	0,182	4,965	0,002	0,481	
			2019	0,012	4,915	0,002	0,602	
			2020	-0,443	5,479	0,001	1,621	

Perhitungan Model Zmijewski (Lanjutan)

No.	Nama Perusahaan	Kode	Tahun	4,5ROA	5,7A	0,004B	Zmijewski	Rata-Rata
				(i=4,5*(f))	(ii=5,7*(g))	(iii=0,004*(h))	(-4,3)-(i)+(ii)-(iii)	
6	PT. Bayan Resources Tbk	BYAN	2016	0,098	4,400	0,010	-0,009	-2,49
			2017	1,711	2,393	0,004	-3,622	
			2018	2,050	2,342	0,005	-4,013	
			2019	0,825	2,939	0,004	-2,189	
			2020	0,957	2,668	0,013	-2,602	
7	PT. Dunia Delta Makmur Tbk	DOID	2016	0,189	4,883	0,005	0,388	0,05
			2017	0,222	4,632	0,006	0,103	
			2018	0,287	4,441	0,006	-0,153	
			2019	0,078	4,347	0,007	-0,038	
			2020	-0,108	4,157	0,007	-0,041	
8	PT. Dian Swastika Sentosa Tbk	DSSA	2016	0,131	2,423	0,007	-2,014	-1,60
			2017	0,211	2,671	0,007	-1,846	
			2018	0,160	3,153	0,005	-1,312	
			2019	0,087	3,189	0,005	-1,203	
			2020	-0,090	2,577	0,006	-1,639	
9	PT. Golden Energy Mines Tbk	GEMS	2016	0,417	1,702	0,015	-3,030	-2,08
			2017	0,915	2,879	0,007	-2,343	
			2018	0,645	3,132	0,005	-1,818	
			2019	0,385	3,084	0,005	-1,606	
			2020	0,530	3,252	0,005	-1,583	
10	PT. Harum Energy Tbk	HRUM	2016	0,196	0,799	0,020	-3,717	-3,97
			2017	0,546	0,789	0,022	-4,079	
			2018	0,387	0,968	0,018	-3,737	
			2019	0,203	0,605	0,037	-3,935	
			2020	0,544	0,502	0,040	-4,383	

Perhitungan Model Zmijewski (Lanjutan)

No.	Nama Perusahaan	Kode	Tahun	4,5ROA	5,7A	0,004B	Zmijewski	Rata-Rata
				(i=4,5*(f))	(ii=5,7*(g))	(iii=0,004*(h))	(-4,3)-(i)+(ii)-(iii)	
11	PT. Indika Energy Tbk	INDY	2016	-0,257	3,382	0,009	-0,669	-0,41
			2017	0,398	3,952	0,008	-0,754	
			2018	0,120	3,949	0,009	-0,479	
			2019	0,006	4,052	0,008	-0,263	
			2020	-0,133	4,285	0,008	0,110	
12	PT. Indo Tambangraya Megah Tbk	ITMG	2016	0,486	1,425	0,009	-3,371	-3,25
			2017	0,837	1,680	0,010	-3,466	
			2018	0,807	1,869	0,008	-3,246	
			2019	0,471	1,530	0,008	-3,249	
			2020	0,147	1,537	0,008	-2,918	
13	PT. Resources Alam Indonesia Tbk	KKGI	2016	0,432	0,826	0,016	-3,922	-3,29
			2017	0,576	0,892	0,014	-3,998	
			2018	0,018	1,485	0,006	-2,839	
			2019	0,193	1,487	0,009	-3,014	
			2020	-0,359	1,282	0,012	-2,672	
14	PT. Mitrabara Adiperdana Tbk	MBAP	2016	1,048	1,212	0,014	-4,150	-4,02
			2017	1,641	1,364	0,013	-4,590	
			2018	1,305	1,620	0,011	-3,995	
			2019	0,825	1,388	0,014	-3,751	
			2020	0,679	1,370	0,015	-3,624	
15	PT. Mitrabahtera Segara Sejati Tbk	MBSS	2016	-0,514	1,387	0,005	-2,404	-2,73
			2017	-0,167	1,240	0,005	-2,898	
			2018	-0,314	1,625	0,017	-2,378	
			2019	0,037	1,209	0,015	-3,143	
			2020	-0,346	1,113	0,008	-2,849	

Perhitungan Model Zmijewski (Lanjutan)

No.	Nama Perusahaan	Kode	Tahun	4,5ROA	5,7A	0,004B	Zmijewski	Rata-Rata
				(i=4,5*(f))	(ii=5,7*(g))	(iii=0,004*(h))	(-4,3)-(i)+(ii)-(iii)	
16	PT. Bukit Asam Tbk	PTBA	2016	0,490	2,462	0,007	-2,335	-3,05
			2017	0,931	2,123	0,010	-3,118	
			2018	0,953	1,864	0,009	-3,399	
			2019	0,697	1,676	0,010	-3,330	
			2020	0,450	1,686	0,009	-3,073	
17	PT. Indo Straits Tbk	PTIS	2016	-0,745	3,560	0,001	0,004	-0,86
			2017	-0,238	3,380	0,002	-0,684	
			2018	0,014	3,233	0,003	-1,084	
			2019	0,027	3,077	0,004	-1,254	
			2020	0,001	3,016	0,010	-1,295	
18	PT. Golden Eagle Energy Tbk	SMMT	2016	-0,129	2,288	0,001	-1,884	-2,23
			2017	0,249	2,406	0,001	-2,143	
			2018	0,423	2,167	0,001	-2,557	
			2019	0,032	1,878	0,002	-2,457	
			2020	-0,119	2,051	0,002	-2,132	
19	PT. Toba Bara Sejahtera Tbk	TOBA	2016	0,251	2,481	0,004	-2,074	-1,60
			2017	0,534	2,840	0,006	-2,001	
			2018	0,611	3,251	0,005	-1,664	
			2019	0,310	3,328	0,004	-1,286	
			2020	0,209	3,552	0,003	-0,960	
20	PT. Trans Power Marine Tbk	TPMA	2016	0,055	2,585	0,002	-1,772	-2,54
			2017	0,191	2,221	0,002	-2,272	
			2018	0,307	1,833	0,003	-2,777	
			2019	0,332	1,663	0,003	-2,972	
			2020	0,090	1,470	0,004	-2,925	

Lampiran 10

Rekapitulasi Variabel Data Penelitian

No.	Kode Perusahaan	WCTA					Rata-rata	RETA					Rata-rata	EBITTA					Rata-rata
		2016	2017	2018	2019	2020		2016	2017	2018	2019	2020		2016	2017	2018	2019	2020	
1	ADRO	0,145	0,177	0,111	0,122	0,092	0,129	0,241	0,280	0,297	0,308	0,357	0,297	0,090	0,140	0,126	0,086	0,045	0,097
2	ARII	-0,518	-0,434	-0,500	-0,543	-0,628	-0,525	-0,267	-0,317	-0,377	-0,372	-0,417	-0,350	-0,054	-0,018	-0,021	-0,020	-0,028	-0,028
3	BBRM	-0,252	-0,621	-0,018	-0,007	-0,390	-0,258	-0,133	-0,596	-0,759	-0,898	-2,169	-0,911	-0,033	-0,378	-0,053	-0,022	-0,243	-0,146
4	BSSR	0,029	0,116	0,065	0,053	0,133	0,079	0,307	0,351	0,302	0,375	0,433	0,354	0,200	0,532	0,381	0,169	0,157	0,288
5	BUMI	-0,076	-0,155	-0,179	-0,194	-0,263	-0,173	-1,060	-0,789	-0,690	-0,726	-0,891	-0,831	-0,002	-0,006	0,010	0,009	0,008	0,004
6	BYAN	0,165	0,008	0,082	-0,048	0,329	0,107	-0,164	0,207	0,465	0,359	0,445	0,263	0,089	0,503	0,604	0,248	0,278	0,344
7	DOID	0,091	0,142	0,138	0,181	0,151	0,141	-0,062	-0,012	0,059	0,074	0,073	0,026	0,124	0,142	0,133	0,071	0,014	0,097
8	DSSA	0,081	0,100	0,042	0,053	0,138	0,083	0,246	0,232	0,214	0,208	0,234	0,227	0,061	0,108	0,097	0,064	0,060	0,078
9	GEMS	0,396	0,285	0,090	0,115	0,095	0,196	0,117	0,121	0,135	0,174	0,155	0,140	0,136	0,288	0,204	0,143	0,159	0,186
10	HRUM	0,521	0,559	0,518	0,575	0,451	0,525	0,350	0,413	0,376	0,417	0,493	0,410	0,078	0,157	0,097	0,048	0,012	0,078
11	INDY	0,195	0,191	0,215	0,199	0,196	0,199	0,115	0,150	0,154	0,140	0,102	0,132	-0,006	0,009	0,138	0,080	0,033	0,051
12	ITMG	0,248	0,346	0,261	0,198	0,184	0,247	0,430	0,421	0,407	0,414	0,408	0,416	0,172	0,286	0,299	0,149	0,090	0,199
13	KKGI	0,302	0,275	0,080	0,167	0,205	0,206	1,036	1,050	0,941	0,918	0,987	0,986	0,146	0,183	0,009	0,066	-0,009	0,079
14	MBAP	0,459	0,462	0,386	0,496	0,506	0,462	0,562	0,597	0,564	0,619	0,614	0,591	0,311	0,489	0,388	0,251	0,201	0,328
15	MBSS	0,051	0,040	0,198	0,194	0,145	0,126	0,490	0,495	0,424	0,473	0,451	0,467	-0,041	-0,026	-0,020	0,031	-0,034	-0,018
16	PTBA	0,178	0,300	0,269	0,268	0,187	0,240	0,076	0,146	0,180	0,127	0,074	0,121	0,136	0,268	0,257	0,192	0,105	0,192
17	PTIS	-0,326	-0,099	-0,043	-0,006	0,119	-0,071	-0,001	-0,053	-0,052	-0,049	-0,049	-0,041	-0,133	-0,021	0,032	0,024	0,011	-0,017
18	SMMT	-0,094	-0,131	-0,131	-0,062	-0,075	-0,099	-0,082	-0,029	0,061	0,067	0,047	0,013	-0,040	-0,023	0,009	0,000	-0,032	-0,017
19	TOBA	-0,009	0,099	0,052	-0,012	-0,033	0,019	0,134	0,160	0,188	0,189	0,189	0,172	0,115	0,184	0,204	0,130	0,083	0,143
20	TPMA	-0,116	-0,085	-0,056	-0,032	0,015	-0,055	0,271	0,320	0,379	0,409	0,420	0,360	0,037	0,066	0,094	0,095	0,041	0,066

Rekapitulasi Variabel Data Penelitian (Lanjutan)

No.	Kode Perusahaan	BVEBVD					Rata-rata	STA					Rata-rata	ROA					Rata-rata
		2016	2017	2018	2019	2020		2016	2017	2018	2019	2020		2016	2017	2018	2019	2020	
1	ADRO	1,384	1,503	1,560	1,232	1,626	1,461	0,387	0,346	0,513	0,479	0,397	0,424	0,052	0,079	0,068	0,060	0,025	0,057
2	ARII	0,205	0,138	0,029	0,145	0,085	0,121	0,035	0,088	0,109	0,173	0,117	0,104	-0,077	-0,051	-0,081	-0,015	-0,045	-0,054
3	BBRM	0,973	0,472	0,361	0,308	0,240	0,470	0,181	0,246	0,242	0,223	0,305	0,239	-0,056	-0,401	-0,094	-0,058	-0,300	-0,182
4	BSSR	2,172	2,488	1,585	2,119	2,609	2,195	1,319	1,868	1,809	1,668	1,259	1,584	0,149	0,394	0,282	0,122	0,116	0,212
5	BUMI	-0,473	0,084	0,148	0,131	0,040	-0,014	0,008	0,005	0,285	0,300	0,231	0,166	0,039	0,066	0,040	0,003	-0,098	0,010
6	BYAN	0,296	1,382	1,434	0,939	1,136	1,037	0,674	1,201	1,457	1,089	0,861	1,056	0,022	0,380	0,456	0,183	0,213	0,251
7	DOID	0,167	0,231	0,283	0,311	0,371	0,273	0,693	0,809	0,754	0,746	0,617	0,724	0,042	0,049	0,064	0,017	-0,024	0,030
8	DSSA	1,352	1,134	0,808	0,787	1,212	1,059	0,319	0,483	0,522	0,448	0,520	0,458	0,029	0,047	0,036	0,019	-0,020	0,022
9	GEMS	2,350	0,980	0,820	0,848	0,753	1,150	1,018	1,286	1,491	1,419	1,304	1,304	0,093	0,203	0,143	0,086	0,118	0,129
10	HRUM	6,135	6,226	4,886	8,427	10,359	7,207	0,525	0,709	0,719	0,587	0,316	0,571	0,043	0,121	0,086	0,045	0,121	0,083
11	INDY	0,685	0,442	0,443	0,407	0,330	0,462	0,425	0,302	0,807	0,770	0,595	0,580	-0,057	0,088	0,027	0,001	-0,030	0,006
12	ITMG	3,001	2,392	2,051	2,725	2,710	2,576	1,130	1,244	1,392	1,419	1,023	1,241	0,108	0,186	0,179	0,105	0,033	0,122
13	KKGI	5,903	5,393	2,837	2,832	3,448	4,083	0,938	0,797	0,486	0,909	0,664	0,759	0,096	0,128	0,004	0,043	-0,080	0,038
14	MBAP	3,703	3,179	2,517	3,106	3,159	3,133	1,608	1,608	1,488	1,355	1,106	1,433	0,233	0,365	0,290	0,183	0,151	0,244
15	MBSS	3,109	3,597	2,509	3,716	4,121	3,410	0,252	0,285	0,314	0,357	0,282	0,298	-0,114	-0,037	-0,070	0,008	-0,077	-0,058
16	PTBA	1,315	1,685	2,059	2,400	2,380	1,968	0,757	0,886	0,876	0,835	0,720	0,815	0,109	0,207	0,212	0,155	0,100	0,157
17	PTIS	0,601	0,686	0,763	0,852	0,890	0,759	0,236	0,275	0,322	0,362	0,346	0,308	-0,166	-0,053	0,003	0,006	0,000	-0,042
18	SMMT	1,492	1,369	1,630	2,036	1,780	1,661	0,088	0,079	0,211	0,287	0,238	0,181	-0,029	0,055	0,094	0,007	-0,027	0,020
19	TOBA	1,298	1,007	0,753	0,713	0,605	0,875	0,987	0,892	0,874	0,828	0,430	0,802	0,056	0,119	0,136	0,069	0,046	0,085
20	TPMA	1,205	1,566	2,110	2,427	2,878	2,037	0,274	0,328	0,394	0,427	0,383	0,361	0,012	0,042	0,068	0,074	0,020	0,043

Rekapitulasi Variabel Data Penelitian (Lanjutan)

No.	Kode Perusahaan	DR					Rata-rata	CACL					Rata-rata	EBTCL					Rata-rata
		2016	2017	2018	2019	2020		2016	2017	2018	2019	2020		2016	2017	2018	2019	2020	
1	ADRO	0,420	0,400	0,391	0,448	0,381	0,408	2,471	2,559	1,960	1,712	1,512	2,043	0,848	1,202	1,006	0,535	0,194	0,757
2	ARII	0,830	0,878	0,971	0,873	0,922	0,895	0,169	0,217	0,234	0,241	0,208	0,214	-0,094	-0,039	-0,126	-0,022	-0,063	-0,069
3	BBRM	0,507	0,680	0,735	0,765	0,807	0,699	0,165	0,083	0,827	0,929	0,354	0,472	-0,171	-0,585	-0,883	-0,533	-0,490	-0,532
4	BSSR	0,319	0,287	0,387	0,321	0,277	0,318	1,108	1,449	1,215	1,207	1,577	1,311	0,728	2,052	1,254	0,643	0,671	1,070
5	BUMI	1,898	0,923	0,871	0,862	0,961	1,103	0,692	0,569	0,398	0,387	0,306	0,470	-0,012	0,232	0,144	-0,016	-0,248	0,020
6	BYAN	0,772	0,420	0,411	0,516	0,468	0,517	2,546	1,024	1,237	0,894	3,250	1,790	0,335	1,388	1,754	0,536	1,802	1,163
7	DOID	0,857	0,813	0,779	0,763	0,729	0,788	1,365	1,616	1,584	1,832	1,668	1,613	0,277	0,397	0,387	0,136	-0,111	0,217
8	DSSA	0,425	0,469	0,553	0,560	0,452	0,492	1,748	1,660	1,219	1,297	1,553	1,495	0,405	0,463	0,298	0,199	-0,007	0,272
9	GEMS	0,299	0,505	0,550	0,541	0,571	0,493	3,774	1,682	1,253	1,323	1,234	1,853	0,908	0,679	0,548	0,363	0,385	0,577
10	HRUM	0,140	0,138	0,170	0,106	0,088	0,129	5,066	5,451	4,560	9,222	10,074	6,875	0,555	1,264	0,707	0,820	2,592	1,188
11	INDY	0,593	0,693	0,693	0,711	0,752	0,688	2,133	2,053	2,177	2,012	1,970	2,069	-0,367	0,455	0,395	0,076	-0,140	0,084
12	ITMG	0,250	0,295	0,328	0,268	0,270	0,282	2,257	2,434	1,966	2,025	2,026	2,141	0,804	1,105	0,942	0,797	0,350	0,800
13	KKGI	0,145	0,156	0,261	0,261	0,225	0,210	4,051	3,540	1,478	2,174	3,051	2,859	1,505	1,729	0,057	0,445	-0,863	0,575
14	MBAP	0,213	0,239	0,284	0,244	0,240	0,244	3,409	3,163	2,638	3,604	3,744	3,311	1,630	2,293	1,654	1,321	1,114	1,602
15	MBSS	0,243	0,218	0,285	0,212	0,195	0,231	1,306	1,222	4,295	3,712	2,109	2,529	-0,690	-0,206	0,125	0,116	-0,587	-0,248
16	PTBA	0,432	0,372	0,327	0,294	0,296	0,344	1,656	2,463	2,315	2,490	2,160	2,217	0,542	1,352	1,378	1,163	0,835	1,054
17	PTIS	0,625	0,593	0,567	0,540	0,529	0,571	0,274	0,496	0,727	0,964	2,625	1,017	-0,368	-0,244	0,029	0,049	0,006	-0,105
18	SMMT	0,401	0,422	0,380	0,329	0,360	0,379	0,266	0,214	0,328	0,611	0,584	0,401	-0,224	0,332	0,481	0,045	-0,146	0,098
19	TOBA	0,435	0,498	0,570	0,584	0,623	0,542	0,968	1,526	1,224	0,920	0,732	1,074	0,356	0,915	0,839	0,684	0,438	0,646
20	TPMA	0,454	0,390	0,322	0,292	0,258	0,343	0,506	0,593	0,739	0,842	1,094	0,755	0,066	0,223	0,339	0,390	0,153	0,234