

Lampiran 1 :

### Populasi Penelitian

No	Kode	Emiten
1	ADRO	Adaro Energy Tbk
2	ARII	Atlas Resource Tbk
3	ATPK	Atpk Resource Tbk
4	BSSR	Baramulti Sukses Sarana Tbk
5	BUMI	Bumi Resource Tbk
6	BYAN	Bayan Resource Tbk
7	DEWA	Darma Henwa Tbk
8	DOID	Delta Dunia Makmur Tbk
9	GEMS	Golden Energy Mines Tbk
10	HRUM	Harum Energy Tbk
11	KKGI	Resource Alam Indo Tbk
12	MYOH	Samindo Resource Tbk
13	PKPK	Perdana Karya Perkasa Tbk
14	PTBA	Tambang Batubara Bukit Asam Tbk
15	PTRO	Petrosea Tbk
16	SMMT	Golden Eagle Energy Tbk
17	TOBA	Toba Bara Sejahtera Tbk
18	BORN	Boerneo lambang energy tbk
19	BRAU	Borneo coal energy tbk
20	GTBO	Garda Tujuh Buana Tbk
21	ITMG	Indo Tambang Raya megah Tbk
22	MBAP	Mitra Bara Adiperdana tbk
23	TKGA	Permata Prima Sakti tbk

### Lampiran 2: Kriteria Pemilihan Sampel

No	Kode	Emiten	Laporan Keuangan				
			2011	2012	2013	2014	2015
1	ADRO	Adaro Energy Tbk	√	√	√	√	√
2	ARII	Atlas Resource Tbk	√	√	√	√	√
3	ATPK	Atpk Resource Tbk	√	√	√	√	√
4	BSSR	Baramulti Sukses Sarana Tbk	√	√	√	√	√
5	BORN	Boerneo lambang energy tbk	√	√	√	√	-
6	BUMI	Bumi Resource Tbk	√	√	√	√	√
7	BYAN	Bayan Resource Tbk	√	√	√	√	√

8	BRAU	Borneo coal energy tbk	√	√	√	√	-
9	DEWA	Darma Henwa Tbk	√	√	√	√	√
10	DOID	Delta Dunia Makmur Tbk	√	√	√	√	√
11	GEMS	Golden Energy Mines Tbk	√	√	√	√	√
12	HRUM	Harum Energy Tbk	√	√	√	√	√
13	MBAP	Mitra Bara Adiperdana tbk	-	-	-	√	√
14	TKGA	Permata Prima Sakti tbk	√	√	√	-	-
15	KKGI	Resource Alam Indo Tbk	√	√	√	√	√
16	MYOH	Samindo Resource Tbk	√	√	√	√	√
17	PKPK	Perdana Karya Perkasa Tbk	√	√	√	√	√
18	PTBA	Tambang Batubara Bukit Asam Tbk	√	√	√	√	√
19	PTRO	Petrosea Tbk	√	√	√	√	√
20	SMMT	Golden Eagle Energy Tbk	√	√	√	√	√
21	TOBA	Toba Bara Sejahtera Tbk	√	√	√	√	√
22	GTBO	Garda Tujuh Buana Tbk	√	√	√	√	-
23	ITMG	Indo Tambang Raya megah Tbk	-	√	√	√	√

Tidak Menyajikan Laporan Keuangan

### Lampiran 3: Sampel Penelitian

No	Kode	Emiten
1	ADRO	Adaro Energy Tbk
2	ARII	Atlas Resource Tbk
3	ATPK	Atpk Resource Tbk
4	BSSR	Baramulti Sukses Sarana Tbk
5	BUMI	Bumi Resource Tbk
6	BYAN	Bayan Resource Tbk
7	DEWA	Darma Henwa Tbk
8	DOID	Delta Dunia Makmur Tbk
9	GEMS	Golden Energy Mines Tbk
10	HRUM	Harum Energy Tbk
11	KKGI	Resource Alam Indo Tbk
12	MYOH	Samindo Resource Tbk
13	PKPK	Perdana Karya Perkasa Tbk
14	PTBA	Tambang Batubara Bukit Asam Tbk
15	PTRO	Petrosea Tbk
16	SMMT	Golden Eagle Energy Tbk

**Lampiran: 4 Data Penelitian**

		2011	2012	2013	2014	2015
ADRO	ASET LANCAR	1.297.525	1.413.875	1.370.879	1.271.632	1.092.519
	LIABILITAS LANCAR	779.201	899.223	773.679	774.595	454.473
	TOTAL ASET	5.658.961	6.692.256	6.695.951	6.413.648	5.958.629
	LABA SEBELUM PAJAK	1.002.611	713.724	324.256	325.360	279.973
	PENJUALAN	3.987.405	3.722.489	3.285.142	3.325.444	2.684.476
GEMS	ASET LANCAR	2.481.217.733.741	1.796.212.238.774	1.861.966.556.285	141.302.356	195.737.111
	LIABILITAS LANCAR	457.483.283.483	506.386.611.524	1.015.810.673.088	64.053.095	70.048.270
	TOTAL ASET	3.328.501.769.359	3.440.326.009.433	4.022.393.567.309	369.667.295	315.639.491
	EBIT / EBT	403.344.538.050	218.984.664.317	234.004.309.899	15.195.019	16.771.981
	PENJUALAN	2.861.548.447.435	3.958.897.172.445	4.427.626.221.656	435.953.531	353.186.003
	ASET LANCAR	699.042	59.232	44.366	48.490	40.086
ARII	LIABILITAS LANCAR	458.180	150.903	170.283	147.597	195.545
	TOTAL ASET	2.301.384	29.105	316.177	339.149	351.484
	EBIT / EBT	44.292	(14.040)	(15.665)	(30.036)	(26.503)

	PENJUALAN	772.410	95.232	114.656	38.468	28.342
ATPK	ASET LANCAR	101.252.682	145.188.931	354.398.433	69.569.943	593.416.131
	LIABILITAS LANCAR	69.298.201	103.445.827	261.505.049	216.439.884	181.817.350
	TOTAL ASET	111.660.087	150.829.602	1.489.339.945	1.796.306.876	773.314.414
	EBIT / EBT	(24.407.127)	(16.740.643)	16.296.722	75.726.971	(163.697.036)
	PENJUALAN	135.460.620	181.494.610	4.094.112.286	672.653.702	246.706.960
	BSSR	ASET LANCAR	47.251.513	74.012.143	33.132.151	39.315.081
LIABILITAS LANCAR		44.639.049	47.081.153	67.079.982	58.642.249	55.450.256
TOTAL ASET		103.167.326	139.309.783	159.240.491	167.190.382	173.877.318
EBIT / EBT		5.624.753	12.911.035	6.730.878	5.191.758	36.482.580
PENJUALAN		55.793.577	108.968.528	143.173.506	217.110.403	259.020.747
BUMI		ASET LANCAR	2.581.185.496	1.991.927.304	1.944.236.777	764.674.650
	LIABILITAS LANCAR	2.341.285.350	2.419.882.995	4.719.914.333	4.938.951.428	5.474.152.654
	TOTAL ASET	7.368.121.749	7.157.394.649	7.003.908.115	4.603.493.244	3.394.276.258
	EBIT / EBT	598.551.070	(596.644.341)	(745.238.913)	(363.377.854)	(2.040.564.626)
	PENJUALAN	211.789.125	194.067.921	63.291.275	412.606.000	1.644.408.000

BYAN						
	ASET LANCAR	3.667.431	959.919.524	474.147.531	323.240.003	281.558.806
	LIABILITAS LANCAR	5.606.892	397.472.851	431.456.547	518.794.409	149.337.031
	TOTAL ASET	14.386.241	1.909.109.988	1.566.788.853	1.161.656.314	937.851.728
	EBIT / EBT	21.377.743	78.548.998	(67.651.031)	(200.353.337)	(68.182.304)
	PENJUALAN	13.106.917	116.958.356	87.539.983	99.385.329	3.997.263
DEWA						
	ASET LANCAR	192.522.246	176.169.943	141.290.482	160.791.431	134.789.952
	LIABILITAS LANCAR	77.339.182	124.354.809	110.570.095	114.626.496	107.541.041
	TOTAL ASET	406.125.614	439.475.800	365.758.029	355.859.007	372.974.932
	EBIT / EBT	(16.637.614)	(53.815.838)	162.334.636	6.331.790	5.432.960
	PENJUALAN	248.045.939	334.137.667	184.167.357	203.924.012	240.123.973
DOID						
	ASET LANCAR	482.852.535	385.860.243	421.980.187	301.905.997	307.841.986
	LIABILITAS LANCAR	222.673.663	205.844.123	300.006.336	127.104.883	102.527.797
	TOTAL ASET	1.194.315.640	1.154.770.820	1.081.805.400	905.305.407	831.796.061
	EBIT / EBT	2.817.252	(17.698.665)	(28.187.065)	(27.103.362)	(5.788.723)
	PENJUALAN	776.133.929	843.254.769	694.912.667	60.426.558	565.615.288
HRUM						

	ASET LANCAR	2.866.473	335.580.765	284.658.847	280.935.293	225.450.032
	LIABILITAS LANCAR	1.070.554	107.154.190	3.207.446	78.598.349	32.609.650
	TOTAL ASET	4.645.148	538.639.301	480.621.137	944.106.858	380.654.005
	EBIT / EBT	2.318.335	213.009.713	63.074.121	7.361.665	(17.690.193)
	PENJUALAN	7.161.741	1.017.930.713	813.147.986	465.060.352	291.131.895
KKGI						
	ASET LANCAR	748.470.054.630	48.426.676	48.560.172	39.728.320	38.608.691
	LIABILITAS LANCAR	265.049.456.703	24.864.784	27.986.852	23.565.893	17.395.279
	TOTAL ASET	977.892.896.320	103.801.508	106.087.702	9.568.591	98.541.575
	EBIT / EBT	641.799.869.713	35.649.283	25.137.438	12.770.508	9.085.030
	PENJUALAN	2.127.603.072.558	214.901.931	193.474.442	135.766.894	111.011.540
MYOH						
	ASET LANCAR	464.032.201	605.025.611	910.680.059	1.021.319.762	85.330.794
	LIABILITAS LANCAR	329.901.202	656.466.693	525.257.514	548.502.471	36.628.689
	TOTAL ASET	798.830.943	1.292.581.025	1.815.818.263	2.031.097.095	161.232.709
	EBIT / EBT	146.175.637	159.157.736	234.609.494	360.967.839	33.487.910
	PENJUALAN	1.447.311	2.000.979	217.292	2.419.442	226.332.334
PKPK						
	ASET LANCAR	259.154.744.576	263.103.143	256.689.690	187.189.075	69.563.977

	LIABILITAS LANCAR	213.417.839.944	201.241.930	176.353.513	155.931.587	86.263.922
	TOTAL ASET	471.838.283.186	396.277.483	361.548.802	303.255.720	170.598.564
	EBIT / EBT	(2.919.562.074)	(19.781.958)	(6.704.500)	(38.099.585)	(64.932.325)
	PENJUALAN	11.764.140.465	6.500.551	1.427.564	76.798.817	19.798.817
PTBA						
	ASET LANCAR	8.850.260	8.718.297	6.479.783	7.416.805	7.598.476
	LIABILITAS LANCAR	1.912.423	1.770.664	2.260.956	3.574.129	4.922.733
	TOTAL ASET	11.507.104	12.728.981	11.677.155	14.812.023	16.894.043
	EBIT / EBT	4.059.104	3.911.587	2.461.362	2.674.726	2.663.796
	PENJUALAN	10.581.570	11.594.057	11.209.219	13.077.962	13.733.627
PTRO						
	ASET LANCAR	105.179	165.634	188.589	176.832	141.187
	LIABILITAS LANCAR	112.459	125.918	121.305	107.514	90.941
	TOTAL ASET	377.298	529.742	509.242	467.732	425.368
	EBIT / EBT	66.267	63.565	27.596	22.005	(9.581)
	PENJUALAN	263.789	385.497	360.596	347.968	206.834
SMMT						
	ASET LANCAR	7.158.880.214	166.021.034.988	183.290.996.468	160.663.317.659	127.208.165.566
	LIABILITAS LANCAR	24.318.308.566	32.560.588.031	38.943.695.521	133.157.267.853	167.590.602.690

	TOTAL ASET	8.822.249.430	480.179.294.813	626.650.331.630	724.974.385.620	712.785.113.458
	EBIT / EBT	9.517.743.806	15.874.911.064	20.348.658.825	(3.502.096.211)	(60.578.867.106)
	PENJUALAN	31.972.793.761	21.342.993.543	21.342.993.543	8.932.749.050	28.770.043.945
TOBA						
	ASET LANCAR	110.747.014	106.512.473	130.198.784	112.496.094	96.509.176
	LIABILITAS LANCAR	122.782.483	140.537.280	145.451.672	90.633.530	68.957.698
	TOTAL ASET	225.246.285	261.526.500	311.647.939	300.610.242	282.371.637
	EBIT / EBT	155.960.831	20.276.583	50.403.019	53.897.225	39.114.397
	PENJUALAN	396.685.875	498.190.177	421.849.737	499.965.642	348.662.183

## Lampiran 5

### Data Perhitungan WCTA

		ASET LANCAR	LIABILITAS LANCAR	TOTAL ASET	WCTA
ADRO	2011	1.297.525	779.201	5.658.961	0,0915
	2012	1.413.875	899.223	6.692.256	0,0769
	2013	1.370.879	773.679	6.695.951	0,0891
	2014	1.271.632	774.595	6.413.648	0,0774
	2015	1.092.519	454.473	5.958.629	0,107
GEMS	2011	2.481.217.733.741	457.483.283.483	3.328.501.769.359	0,608
	2012	1.796.212.238.774	506.386.611.524	3.440.326.009.433	0,3749
	2013	1.861.966.556.285	1.015.810.673.088	4.022.393.567.309	0,2103



	2014	141.302.356	64.053.095	369.667.295	0,2089
	2015	195.737.111	70.048.270	315.639.491	0,3982
ARII	2011	699.042	458.180	2.301.384	0,1046
	2012	59.232	150.903	29.105	-3,1496
	2013	44.366	170.283	316.177	-0,3982
	2014	48.490	147.597	339.149	-0,2922
	2015	40.086	195.545	351.484	-0,4422
ATPK	2011	101.252.682	69.298.201	111.660.087	0,2861
	2012	145.188.931	103.445.827	150.829.602	0,2767
	2013	354.398.433	261.505.049	1.489.339.945	0,0623
	2014	69.569.943	216.439.884	1.796.306.876	-0,0817
	2015	593.416.131	181.817.350	773.314.414	0,5322
BSSR	2011	47.251.513	44.639.049	103.167.326	0,0253
	2012	74.012.143	47.081.153	139.309.783	0,1933
	2013	33.132.151	67.079.982	159.240.491	-0,2131
	2014	39.315.081	58.642.249	167.190.382	-0,1155
	2015	46.313.523	55.450.256	173.877.318	-0,0525
BUMI	2011	2.581.185.496	2.341.285.350	7.368.121.749	0,0325
	2012	1.991.927.304	2.419.882.995	7.157.394.649	-0,0597
	2013	1.944.236.777	4.719.914.333	7.003.908.115	-0,3963
	2014	764.674.650	4.938.951.428	4.603.493.244	-0,9067

	2015	541.962.176	5.474.152.654	3.394.276.258	-1,453
BYAN	2011	3.667.431	5.606.892	14.386.241	-0,1348
	2012	959.919.524	397.472.851	1.909.109.988	0,2946
	2013	474.147.531	431.456.547	1.566.788.853	0,0272
	2014	323.240.003	518.794.409	1.161.656.314	-0,1683
	2015	281.558.806	149.337.031	937.851.728	0,1409
DEWA	2011	192.522.246	77.339.182	406.125.614	0,2836
	2012	176.169.943	124.354.809	439.475.800	0,1179
	2013	141.290.482	110.570.095	365.758.029	0,0839
	2014	160.791.431	114.626.496	355.859.007	0,1297
	2015	134.789.952	107.541.041	372.974.932	0,073
DOID	2011	482.852.535	222.673.663	1.194.315.640	0,2178
	2012	385.860.243	205.844.123	1.154.770.820	0,1558
	2013	421.980.187	300.006.336	1.081.805.400	0,1127
	2014	301.905.997	127.104.883	905.305.407	0,193
	2015	307.841.986	102.527.797	831.796.061	0,2468
HRUM	2011	2.866.473	1.070.554	4.645.148	0,3866
	2012	335.580.765	107.154.190	538.639.301	0,424
	2013	284.658.847	3.207.446	480.621.137	0,5855
	2014	280.935.293	78.598.349	944.106.858	0,2143
	2015	225.450.032	32.609.650	380.654.005	0,5066

KKG I	2011	748.470.054	265.049.456.703	977.892.896.320	0,4943
	2012	48.426.676	24.864.784	103.801.508	0,2269
	2013	48.560.172	27.986.852	106.087.702	0,1939
	2014	39.728.320	23.565.893	9.568.591	1,6891
	2015	38.608.691	17.395.279	98.541.575	0,2152
MYOH	2011	464.032.201	329.901.202	798.830.943	0,1679
	2012	605.025.611	656.466.693	1.292.581.025	-0,0397
	2013	910.680.059	525.257.514	1.815.818.263	0,2122
	2014	1.021.319.762	548.502.471	2.031.097.095	0,2327
	2015	85.330.794	36.628.689	161.232.709	0,302
PKPK	2011	259.154.744	213.417.839	471.838.283	0,0969
	2012	263.103.143	201.241.930	396.277.483	0,1561
	2013	256.689.690	176.353.513	361.548.802	0,2222
	2014	187.189.075	155.931.587	303.255.720	0,103
	2015	69.563.977	86.263.922	170.598.564	-0,0978
PTBA	2011	8.850.260	1.912.423	11.507.104	0,6029
	2012	8.718.297	1.770.664	12.728.981	0,5458
	2013	6.479.783	2.260.956	11.677.155	0,3612
	2014	7.416.805	3.574.129	14.812.023	0,2594
	2015	7.598.476	4.922.733	16.894.043	0,1583
PTRO	2011				-0,0192

		105.179	112.459	377.298	
	2012	165.634	125.918	529.742	0,0749
	2013	188.589	121.305	509.242	0,1321
	2014	176.832	107.514	467.732	0,1482
	2015	141.187	90.941	425.368	0,1181
SMMT	2011	7.158.880.214	24.318.308.566	8.822.249.430	-1,945
	2012	166.021.034.988	32.560.588.031	480.179.294.813	0,2779
	2013	183.290.996.468	38.943.695.521	626.650.331.630	0,2303
	2014	160.663.317.659	133.157.267.853	724.974.385.620	0,0379
	2015	127.208.165.566	167.590.602.690	712.785.113.458	-0,0566
TOBA	2011	110.747.014	122.782.483	225.246.285	-0,0534
	2012	106.512.473	140.537.280	261.526.500	-0,1301
	2013	130.198.784	145.451.672	311.647.939	-0,0489
	2014	112.496.094	90.633.530	300.610.242	0,0727
	2015	96.509.176	68.957.698	282.371.637	0,0975

## Lampiran 6

### Data Perhitungan EBITTA

		EBIT	TOTAL ASET	EBITTA
ADRO	2011	1.002.611	5.658.961	0,1771
	2012	713.724	6.692.256	0,1066
	2013			0,0484

		324.256	6.695.951	
	2014	325.360	6.413.648	0,0507
	2015	279.973	5.958.629	0,0469
GEMS	2011	403.344.538.050	3.328.501.769.359	0,1211
	2012	218.984.664.317	3.440.326.009.433	0,0636
	2013	234.004.309.899	4.022.393.567.309	0,0581
	2014	15.195.019	369.667.295	0,0411
	2015	16.771.981	315.639.491	0,0531
ARII	2011	44.292	2.301.384	0,0192
	2012	(14.040)	29.105	-0,4823
	2013	(15.665)	316.177	-0,0495
	2014	(30.036)	339.149	-0,0885
	2015	(26.503)	351.484	-0,0754
ATPK	2011	(24.407.127)	111.660.087	-0,2185
	2012	(16.740.643)	150.829.602	-0,1109
	2013	16.296.722	1.489.339.945	0,0109
	2014	75.726.971	1.796.306.876	0,0421
	2015	(163.697.036)	773.314.414	-0,2116
ATPK	2011	(24.407.127)	103.167.326	-0,2185
	2012	(16.740.643)	139.309.783	-0,1109
	2013	16.296.722	159.240.491	0,0109
	2014			0,0421

		75.726.971	167.190.382	
	2015	(163.697.036)	173.877.318	-0,2116
BSSR	2011	5.624.753	7.368.121.749	0,0545
	2012	12.911.035	7.157.394.649	0,0926
	2013	6.730.878	7.003.908.115	0,0422
	2014	5.191.758	4.603.493.244	0,031
	2015	36.482.580	3.394.276.258	0,2098
BUMI	2011	598.551.070	14.386.241	0,0812
	2012	(596.644.341)	1.909.109.988	-0,0833
	2013	(745.238.913)	1.566.788.853	-0,1064
	2014	(363.377.854)	1.161.656.314	-0,0789
	2015	(2.040.564.626)	937.851.728	-0,6011
BYAN	2011	21.377.743	406.125.614	1,4859
	2012	78.548.998	439.475.800	0,0411
	2013	(67.651.031)	365.758.029	-0,0431
	2014	(200.353.337)	355.859.007	-0,1724
	2015	(68.182.304)	372.974.932	-0,0727
DEWA	2011	(16.637.614)	1.194.315.640	-0,0409
	2012	(53.815.838)	1.154.770.820	-0,1224
	2013	162.334.636	1.081.805.400	0,4438
	2014	6.331.790	905.305.407	0,0177
	2015			0,0145

		5.432.960	831.796.061	
DOID	2011	2.817.252	4.645.148	0,0023
	2012	(17.698.665)	538.639.301	-0,0153
	2013	(28.187.065)	480.621.137	-0,026
	2014	(27.103.362)	944.106.858	-0,0299
	2015	(5.788.723)	380.654.005	-0,0069
KKGI	2011	2.318.335	977.892.896.320	0,499
	2012	213.009.713	103.801.508	0,3954
	2013	63.074.121	106.087.702	0,1312
	2014	7.361.665	9.568.591	0,0077
	2015	(17.690.193)	98.541.575	-0,0464
MYOH	2011	146.175.637	798.830.943	0,1829
	2012	159.157.736	1.292.581.025	0,1231
	2013	234.609.494	1.815.818.263	0,1292
	2014	360.967.839	2.031.097.095	0,1777
	2015	33.487.910	161.232.709	0,2076
PKPK	2011	(2.919.562.074)	471.838.283	-0,0061
	2012	(19.781.958)	396.277.483	-0,0499
	2013	(6.704.500)	361.548.802	-0,0185
	2014	(38.099.585)	303.255.720	-0,1256
	2015	(64.932.325)	170.598.564	-0,3806

PTBA	2011	4.059.104	11.507.104	0,3527
	2012	3.911.587	12.728.981	0,3072
	2013	2.461.362	11.677.155	0,2107
	2014	2.674.726	14.812.023	0,1805
	2015	2.663.796	16.894.043	0,1576
PTRO	2011	66.267	377.298	0,1756
	2012	63.565	529.742	0,1199
	2013	27.596	509.242	0,0541
	2014	22.005	467.732	0,047
	2015	(9.581)	425.368	-0,0225
SMMT	2011	9.517.743.806	8.822.249.430	1,0788
	2012	15.874.911.064	480.179.294.813	0,033
	2013	20.348.658.825	626.650.331.630	0,0324
	2014	(3.502.096.211)	724.974.385.620	-0,0048
	2015	(60.578.867.106)	712.785.113.458	-0,0849
TOBA	2011	155.960.831	225.246.285	0,6924
	2012	20.276.583	261.526.500	0,0775
	2013	50.403.019	311.647.939	0,1617
	2014	53.897.225	300.610.242	0,1792
	2015	39.114.397	282.371.637	0,1385



Lampiran 7

Data Perhitungan EBT

		LIABILITAS LANCAR	EBIT	EBT
ADRO	2011	779.201	1.002.611	1,2867
	2012	899.223	713.724	0,7937
	2013	773.679	324.256	0,4191
	2014	774.595	325.360	0,42
	2015	454.473	279.973	0,616
GEMS	2011	457.483.283	403.344.538	0,8816
	2012	506.386.611	218.984.664	0,4324
	2013	1.015.810.673	234.004.309	0,2303
	2014	64.053.095	15.195.019	0,2372
	2015	70.048.270	16.771.981	0,2394
ARII	2011	458.180	44.292	0,0966
	2012	150.903	(14.040)	-0,093
	2013	170.283	(15.665)	-0,0919
	2014	147.597	(30.036)	-0,2035
	2015	195.545	(26.503)	-0,1355
ATPK	2011	69.298.201	(24.407.127)	-0,3522
	2012	103.445.827	(16.740.643)	-0,1618
	2013			0,0623

		261.505.049	16.296.722	
	2014	216.439.884	75.726.971	0,3498
	2015	181.817.350	(163.697.036)	-0,9003
BSSR	2011	44.639.049	(24.407.127)	0,126
	2012	47.081.153	(16.740.643)	0,2742
	2013	67.079.982	16.296.722	0,1003
	2014	58.642.249	75.726.971	0,0885
	2015	55.450.256	(163.697.036)	0,6579
BUMI	2011	2.341.285.350	5.624.753	0,2556
	2012	2.419.882.995	12.911.035	-0,2465
	2013	4.719.914.333	6.730.878	-0,1578
	2014	4.938.951.428	5.191.758	-0,0735
	2015	5.474.152.654	36.482.580	-0,3727
BYAN	2011	5.606.892	598.551.070	3,8127
	2012	397.472.851	(596.644.341)	0,1976
	2013	431.456.547	(745.238.913)	-0,1567
	2014	518.794.409	(363.377.854)	-0,3861
	2015	149.337.031	(2.040.564.626)	-0,4565
DEWA	2011	77.339.182	21.377.743	-0,2151
	2012	124.354.809	78.548.998	-0,4327
	2013	110.570.095	(67.651.031)	1,4681
	2014			0,0552

		114.626.496	(200.353.337)	
	2015	107.541.041	(68.182.304)	0,0505
DOID	2011	222.673.663	(16.637.614)	0,0126
	2012	205.844.123	(53.815.838)	-0,0859
	2013	300.006.336	162.334.636	-0,0939
	2014	127.104.883	6.331.790	-0,2132
	2015	102.527.797	5.432.960	-0,0564
HRUM	2011	1.070.554	2.817.252	2,1655
	2012	107.154.190	(17.698.665)	1,9878
	2013	3.207.446	(28.187.065)	19,6649
	2014	78.598.349	(27.103.362)	0,093
	2015	32.609.650	(5.788.723)	-0,5424
KKG1	2011	265.049.456	2.318.335	2,4214
	2012	24.864.784	213.009.713	1,4337
	2013	27.986.852	63.074.121	0,8981
	2014	23.565.893	7.361.665	0,5419
	2015	17.395.279	(17.690.193)	0,5222
MYOH	2011	329.901.202	146.175.637	0,443
	2012	656.466.693	159.157.736	0,2424
	2013	525.257.514	234.609.494	0,4466
	2014	548.502.471	360.967.839	0,658
	2015			0,9142

		36.628.689	33.487.910	
PKPK	2011	213.417.839	(2.919.562.074)	-0,0136
	2012	201.241.930	(19.781.958)	-0,0982
	2013	176.353.513	(6.704.500)	-0,038
	2014	155.931.587	(38.099.585)	-0,2443
	2015	86.263.922	(64.932.325)	-0,7527
PTBA	2011	1.912.423	4.059.104	2,1224
	2012	1.770.664	3.911.587	2,2091
	2013	2.260.956	2.461.362	1,0886
	2014	3.574.129	2.674.726	0,7483
	2015	4.922.733	2.663.796	0,5411
PTRO	2011	112.459	66.267	0,5892
	2012	125.918	63.565	0,5048
	2013	121.305	27.596	0,2274
	2014	107.514	22.005	0,2046
	2015	90.941	(9.581)	-0,1053
SMMT	2011	24.318.308.566	9.517.743.806	0,3913
	2012	32.560.588.031	15.874.911.064	0,4875
	2013	38.943.695.521	20.348.658.825	0,5225
	2014	133.157.267.853	(3.502.096.211)	-0,0263
	2015	167.590.602.690	(60.578.867.106)	-0,3614

TOBA	2011	122.782.483	155.960.831	1,2702
	2012	140.537.280	20.276.583	0,1442
	2013	145.451.672	50.403.019	0,3465
	2014	90.633.530	53.897.225	0,5946
	2015	68.957.698	39.114.397	0,5672

## Lampiran 8

### Data Perhitungan SATA

		TOTAL ASET	SALES	SATA
ADRO	2011	5.658.961	3.987.405	0,7046
	2012	6.692.256	3.722.489	0,5562
	2013	6.695.951	3.285.142	0,4906
	2014	6.413.648	3.325.444	0,5184
	2015	5.958.629	2.684.476	0,4505
GEMS	2011	3.328.501.769	2.861.548.447	0,8597
	2012	3.440.326.009	3.958.897.172	1,1507
	2013	4.022.393.567	4.427.626.221	1,1007
	2014	369.667.295	435.953.531	1,1793
	2015	315.639.491	353.186.003	1,1189
ARII	2011	2.301.384	772.410	0,3356
	2012	29.105	95.232	3,272

	2013	316.177	114.656	0,3626
	2014	339.149	38.468	0,1134
	2015	351.484	28.342	0,0806
ATPK	2011	111.660.087	135.460.620	1,2131
	2012	150.829.602	181.494.610	1,2033
	2013	1.489.339.945	4.094.112.286	2,7489
	2014	1.796.306.876	672.653.702	0,3744
	2015	773.314.414	246.706.960	0,319
BSSR	2011	103.167.326	55.793.577	0,5408
	2012	139.309.783	108.968.528	0,7822
	2013	159.240.491	143.173.506	0,8991
	2014	167.190.382	217.110.403	1,2985
	2015	173.877.318	259.020.747	1,4896
BUMI	2011	7.368.121.749	211.789.125	0,0287
	2012	7.157.394.649	194.067.921	0,0271
	2013	7.003.908.115	63.291.275	0,009
	2014	4.603.493.244	412.606.000	0,0896
	2015	3.394.276.258	1.644.408.000	0,4844
BYAN	2011	14.386.241	13.106.917	0,911
	2012	1.909.109.988	116.958.356	0,0612
	2013	1.566.788.853	87.539.983	0,0558

	2014	1.161.656.314	99.385.329	0,0855
	2015	937.851.728	3.997.263	0,0042
DEWA	2011	406.125.614	248.045.939	0,6107
	2012	439.475.800	334.137.667	0,7603
	2013	365.758.029	184.167.357	0,5035
	2014	355.859.007	203.924.012	0,573
	2015	372.974.932	240.123.973	0,6438
DOID	2011	1.194.315.640	776.133.929	0,6498
	2012	1.154.770.820	843.254.769	0,7302
	2013	1.081.805.400	694.912.667	0,6423
	2014	905.305.407	60.426.558	0,0667
	2015	831.796.061	565.615.288	0,6799
HRUM	2011	4.645.148	7.161.741	1,5417
	2012	538.639.301	1.017.930.713	1,8898
	2013	480.621.137	813.147.986	1,6918
	2014	944.106.858	465.060.352	0,4925
	2015	380.654.005	291.131.895	0,7648

## Lampiran 9

### Data Perhitungan S-SCORE

No	Kode	Tahun	WCTA 1,3 (X1)	EBITTA 3,07 (X2)	EBT 0,66 (X3)	SATA 0,4 (X4)	S(SCORE)	bangkrut atau sehat
1	ADRO	2011	0,0915	0,1771	1,2867	0,7046	1,793709	SEHAT
		2012	0,0769	0,1066	0,7937	0,5562	1,173554	SEHAT
		2013	0,0891	0,0484	0,4191	0,4906	0,737264	BANGKRUT
		2014	0,0774	0,0507	0,42	0,5184	0,740829	BANGKRUT
		2015	0,107	0,0469	0,616	0,4505	0,869843	SEHAT
2	GEMS	2011	0,608	0,1211	0,8816	0,8597	2,087913	SEHAT
		2012	0,3749	0,0636	0,4324	1,1507	1,428286	SEHAT
		2013	0,2103	0,0581	0,2303	1,1007	1,044035	SEHAT
		2014	0,2089	0,0411	0,2372	1,1793	1,026019	SEHAT
		2015	0,3982	0,0531	0,2394	1,1189	1,286241	SEHAT
3	ARII	2011	0,1046	0,0192	0,0966	0,3356	0,39292	BANGKRUT
		2012	-3,1496	-0,4823	-0,093	3,272	-4,32772	BANGKRUT
		2013	-0,3982	-0,0495	-0,0919	0,3626	-0,58524	BANGKRUT
		2014	-0,2922	-0,0885	-0,2035	0,1134	-0,74051	BANGKRUT
		2015	-0,4422	-0,0754	-0,1355	0,0806	-0,86353	BANGKRUT
4	ATPK	2011	0,2861	-0,2185	-0,3522	1,2131	-0,04608	BANGKRUT
		2012	0,2767	-0,1109	-0,1618	1,2033	0,393779	BANGKRUT
		2013	0,0623	0,0109	0,0623	2,7489	1,255131	SEHAT
		2014	-0,0817	0,0421	0,3498	0,3744	0,403665	BANGKRUT
		2015	0,5322	-0,2116	-0,9003	0,319	-0,42435	BANGKRUT
5	BSSR	2011	0,0253	0,0545	0,126	0,5408	0,499685	BANGKRUT
		2012	0,1933	0,0926	0,2742	0,7822	1,029424	SEHAT
		2013	-0,2131	0,0422	0,1003	0,8991	0,278362	BANGKRUT
		2014	-0,1155	0,031	0,0885	1,2985	0,52283	BANGKRUT
		2015	-0,0525	0,2098	0,6579	1,4896	1,60589	SEHAT
6	BUMI	2011	0,0325	0,0812	0,2556	0,0287	0,47171	BANGKRUT
		2012	-0,0597	-0,0833	-0,2465	0,0271	-0,48519	BANGKRUT
		2013	-0,3963	-0,1064	-0,1578	0,009	-0,94239	BANGKRUT
		2014	-0,9067	-0,0789	-0,0735	0,0896	-1,4336	BANGKRUT
		2015	-1,453	-0,6011	-0,3727	0,4844	-3,7865	BANGKRUT
7	BYAN	2011	-0,1348	1,4859	3,8127	0,911	7,267255	SEHAT
		2012	0,2946	0,0411	0,1976	0,0612	0,664053	BANGKRUT
		2013	0,0272	-0,0431	-0,1567	0,0558	-0,17806	BANGKRUT
		2014	-0,1683	-0,1724	-0,3861	0,0855	-0,96868	BANGKRUT
		2015	0,1409	-0,0727	-0,4565	0,0042	-0,33963	BANGKRUT
8	DEWA	2011	0,2836	-0,0409	-0,2151	0,6107	0,345431	BANGKRUT
		2012	0,1179	-0,1224	-0,4327	0,7603	-0,20396	BANGKRUT
		2013	0,0839	0,4438	1,4681	0,5035	2,641882	SEHAT
		2014	0,1297	0,0177	0,0552	0,573	0,488581	BANGKRUT



		2015	0,073	0,0145	0,0505	0,6438	0,430265	BANGKRUT
9	DOID	2011	0,2178	0,0023	0,0126	0,6498	0,558437	BANGKRUT
		2012	0,1558	-0,0153	-0,0859	0,7302	0,390955	BANGKRUT
		2013	0,1127	-0,026	-0,0939	0,6423	0,261636	BANGKRUT
		2014	0,193	-0,0299	-0,2132	0,0667	0,045075	BANGKRUT
		2015	0,2468	-0,0069	-0,0564	0,6799	0,534393	BANGKRUT
10	HRUM	2011	0,3866	0,499	2,1655	1,5417	4,08042	SEHAT
		2012	0,424	0,3954	1,9878	1,8898	3,832946	SEHAT
		2013	0,5855	0,1312	19,6649	1,6918	14,81949	SEHAT
		2014	0,2143	0,0077	0,093	0,4925	0,560609	BANGKRUT
		2015	0,5066	-0,0464	-0,5424	0,7648	0,464068	BANGKRUT
11	KKGI	2011	0,4943	0,6563	2,4214	2,1757	5,125835	SEHAT
		2012	0,2269	0,3434	1,4337	2,0703	3,12357	SEHAT
		2013	0,1939	0,2369	0,8981	1,8237	2,301579	SEHAT
		2014	1,6891	1,3346	0,5419	14,188	12,32591	SEHAT
		2015	0,2152	0,0992	0,5222	1,1265	1,379556	SEHAT
12	MYOH	2011	0,1679	0,1829	0,443	0,0018	1,072873	SEHAT
		2012	-0,0397	0,1231	0,2424	0,0015	0,486891	BANGKRUT
		2013	0,2122	0,1292	0,4466	0,0001	0,9673	SEHAT
		2014	0,2327	0,1777	0,658	0,0011	1,282769	SEHAT
		2015	0,302	0,2076	0,9142	1,4037	2,194784	SEHAT
13	PKPK	2011	0,0969	-0,0061	-0,0136	0,0249	0,108227	BANGKRUT
		2012	0,1561	-0,0499	-0,0982	0,0164	-0,00851	BANGKRUT
		2013	0,2222	-0,0185	-0,038	0,0039	0,208545	BANGKRUT
		2014	0,103	-0,1256	-0,2443	0,2532	-0,31165	BANGKRUT
		2015	-0,0978	-0,3806	-0,7527	0,116	-1,74596	BANGKRUT
14	PTBA	2011	0,6029	0,3527	2,1224	0,9195	3,635143	SEHAT
		2012	0,5458	0,3072	2,2091	0,9108	3,47497	SEHAT
		2013	0,3612	0,2107	1,0886	0,9599	2,218845	SEHAT
		2014	0,2594	0,1805	0,7483	0,8829	1,738393	SEHAT
		2015	0,1583	0,1576	0,5411	0,8129	1,371908	SEHAT
15	PTRO	2011	-0,0192	0,1756	0,5892	0,6991	1,182644	SEHAT
		2012	0,0749	0,1199	0,5048	0,7277	1,089711	SEHAT
		2013	0,1321	0,0541	0,2274	0,7081	0,771141	BANGKRUT
		2014	0,1482	0,047	0,2046	0,7439	0,769546	BANGKRUT
		2015	0,1181	-0,0225	-0,1053	0,4862	0,209437	BANGKRUT
16	SMMT	2011	-1,945	1,0788	0,3913	3,6241	2,491314	SEHAT
		2012	0,2779	0,033	0,4875	0,0444	0,80209	BANGKRUT
		2013	0,2303	0,0324	0,5225	0,034	0,757308	BANGKRUT
		2014	0,0379	-0,0048	-0,0263	0,0123	0,022096	BANGKRUT
		2015	-0,0566	-0,0849	-0,3614	0,0403	-0,55663	BANGKRUT
17	TOBA	2011	-0,0534	0,6924	1,2702	1,7611	3,59902	SEHAT
		2012	-0,1301	0,0775	0,1442	1,9049	0,925927	SEHAT
		2013	-0,0489	0,1617	0,3465	1,3536	1,202979	SEHAT
		2014	0,0727	0,1792	0,5946	1,6631	1,70233	SEHAT
		2015	0,0975	0,1385	0,5672	1,2347	1,420177	SEHAT

# LAMPIRAN