LAMPIRAN

TABULASI DATA
(26 perusahaan x 7 tahun = 182 observasi)

Emiten	Tahun	PBV	DER	Size	Growth	ROE
ADRO	2011	2.56	1.32	17.75	26.39	22.61
ADRO	2012	1.76	1.23	17.99	26.11	12.80
ADRO	2013	0.89	1.11	18.23	27.67	7.18
ADRO	2014	0.82	0.97	18.19	-3.46	5.62
ADRO	2015	0.36	0.78	18.22	3.05	4.50
ADRO	2016	1.07	0.72	18.29	6.62	9.00
ADRO	2017	1.07	0.67	18.34	5.35	13.11
ANTM	2011	1.43	0.41	16.54	24.41	17.90
ANTM	2012	0.95	0.54	16.80	29.65	23.32
ANTM	2013	0.81	0.71	16.90	10.94	3.20
ANTM	2014	0.85	0.85	16.91	0.82	-6.50
ANTM	2015	0.41	0.66	17.23	37.71	-7.87
ANTM	2016	1.17	0.63	17.22	-1.24	0.35
ANTM	2017	0.81	0.62	17.22	0.11	0.74
ARTI	2011	0.50	0.81	14.19	6.22	1.46
ARTI	2012	0.48	0.67	14.17	-1.44	6.06
ARTI	2013	0.31	0.70	14.27	10.14	7.16
ARTI	2014	0.16	0.83	14.39	12.44	3.11
ARTI	2015	0.79	0.45	14.71	38.09	1.06
ARTI	2016	0.23	0.51	14.78	6.84	0.53
ARTI	2017	0.22	0.42	14.73	-4.23	1.64
ATPK	2011	3.57	1.89	13.28	-24.12	-64.31
ATPK	2012	2.69	2.44	13.59	35.08	-38.20
ATPK	2013	1.39	0.33	14.21	87.43	1.16
ATPK	2014	1.03	0.53	14.40	20.58	4.51
ATPK	2015	1.11	0.76	14.39	-1.26	-16.00
ATPK	2016	1.52	1.15	14.28	-10.57	-39.07
ATPK	2017	1.11	0.69	13.82	-36.64	30.76
BIPI	2011	1.97	0.19	16.19	-20.80	-1.97
BIPI	2012	1.85	0.20	16.38	20.40	0.23
BIPI	2013	0.69	1.82	16.62	26.99	11.63
BIPI	2014	0.72	1.92	16.69	8.10	5.34
BIPI	2015	0.31	2.40	16.80	11.59	-9.51
BIPI	2016	0.65	3.30	16.66	-13.36	-58.04
BIPI	2017	0.61	2.81	16.70	3.93	11.02
BORN	2011	1.73	0.81	16.55	80.36	30.35
BORN	2012	2.80	4.85	16.81	29.67	-156.12
BORN	2013	-0.84	-5.32	16.58	-20.19	196.69
BORN	2014	-0.11	-2.53	15.62	-61.83	74.39
BORN	2015	-0.07	-2.01	16.36	109.53	27.83
BORN	2016	-0.09	-2.24	16.34	-1.68	-21.18
BORN	2017	-0.09	-2.38	16.41	7.10	-4.79
BUMI	2011	4.24	5.26	18.02	-15.17	18.28
BUMI	2012	3.23	17.75	18.08	6.44	-179.94
BUMI	2013	-1.68	-24.12	18.27	20.84	217.89
BUMI	2014	-0.32	-9.87	18.21	-5.93	63.56
BUMI	2015	-0.05	-2.17	17.66	-42.08	75.23
BUMI	2016	-0.27	-2.11	17.55	-10.98	-4.32
BUMI	2017	4.55	11.91	17.73	20.15	84.77
BYAN	2011	9.33	1.24	16.48	71.84	29.13
BYAN	2012	4.12	1.70	16.73	28.32	7.76

BYAN	2013	5.13	2.48	16.77	4.14	-12.27
BYAN	2014	6.97	3.55	16.49	-24.85	-73.97
BYAN	2015	10.40	4.45	16.44	-4.85	-47.51
BYAN	2016	7.91	3.38	16.22	-19.39	9.57
BYAN	2017	5.05	0.72	16.30	8.67	65.43
CITA	2011	1.04	0.81	14.43	29.83	25.63
CITA	2012	0.94	0.73	14.49	6.37	20.83
CITA	2013	0.63	0.80	15.14	91.69	32.73
CITA	2014	1.93	0.70	14.84	-26.06	-23.39
CITA	2015	2.45	1.16	14.84	0.21	-26.41
CITA	2016	2.66	1.54	14.82	-2.49	-23.22
CITA	2017	0.89	0.66	14.80	-1.76	1.77
CTTH	2011	1.15	1.87	12.29	9.33	1.21
CTTH	2012	0.91	2.32	12.47	19.79	3.50
CTTH	2013	0.99	3.13	12.70	25.06	0.61
CTTH	2014	1.03	3.56	12.81	11.96	1.26
CTTH	2015	0.24	1.10	13.31	65.46	0.67
CTTH	2016	0.31	0.96	13.33	1.70	6.63
CTTH	2017	0.38	1.18	13.46	13.68	1.47
DEWA	2011	0.60	0.29	15.12	-11.31	-7.67
DEWA	2012	0.41	0.61	15.26	15.40	-15.14
DEWA	2013	0.40	0.65	15.32	5.60	-23.30
DEWA	2014	0.40	0.60	15.30	-1.39	0.13
DEWA	2015	0.33	0.66	15.51	23.53	0.21
DEWA	2016	0.36	0.69	15.45	-6.27	0.24
DEWA	2017	0.35	0.77	15.51	6.24	1.22
DOID	2011	5.71	10.33	16.20	41.27	-16.06
DOID	2012	2.69	11.96	16.23	3.70	-17.04
DOID	2013	2.55	14.81	16.40	18.30	-42.93
DOID	2014	1.96	8.85	16.24	-15.18	16.83
DOID	2015	1.80	8.79	16.32	8.29	-9.77
DOID	2016	1.11	5.98	16.29	-2.77	29.33
DOID	2017	0.48	0.81	16.37	8.07	4.94
ELSA	2011	0.88	1.30	15.29	19.34	33.59
ELSA	2012	0.62	1.10	15.27	-2.17	6.64
ELSA	2013	1.05	0.91	15.29	1.78	10.62
ELSA	2014	1.94	0.64	15.26	-2.87	16.19
ELSA	2015	0.68	0.67	15.30	3.81	14.41
ELSA	2016	1.07	0.46	15.25	-4.91	10.98
ELSA	2017	0.89	0.59	15.40	15.85	8.10
ENRG	2011	1.18	1.83	16.67	47.55	2.83
ENRG	2012	0.50	2.00	16.81	15.47	3.99
ENRG	2013	0.29	1.61	17.16	41.97	19.53
ENRG	2014	0.40	1.43	17.13	-3.73	1.94
ENRG	2015	0.48	3.12	16.86	-23.60	-78.07
ENRG	2016	-2.55	-15.82	16.47	-31.81	107.47
ENRG	2017	-0.72	-9.18	16.14	-28.16	-26.36
GTBO	2011	4.43	0.42	13.05	5.49	22.55
GTBO	2012	7.68	0.29	14.31	251.54	74.20
GTBO	2013	4.32	0.21	13.90	-33.51	-8.15
GTBO	2014	1.06	0.18	13.82	-7.22	-6.72
GTBO	2015	0.90	0.14	13.63	-17.60	-30.49
GTBO	2016	1.02	0.16	13.51	-10.78	-10.97
GTBO	2017	0.66	0.25	13.60	8.81	0.07

HRUM	2011	5.20	0.31	15.35	33.86	50.01
HRUM	2012	3.91	0.26	15.47	12.13	37.72
HRUM	2013	1.53	0.22	15.59	13.22	12.55
HRUM	2014	1.00	0.23	15.52	-6.35	0.72
HRUM	2015	0.36	0.11	15.53	1.02	-5.53
HRUM	2016	1.21	0.16	15.53	-0.45	5.06
HRUM	2017	1.03	0.16	15.64	12.07	14.08
INCO	2011	1.98	0.37	16.90	11.66	18.87
INCO	2012	1.40	0.36	16.93	2.75	3.92
INCO	2013	1.25	0.33	17.15	24.06	2.25
INCO	2014	1.62	0.31	17.18	3.71	9.65
INCO	2015	0.60	0.25	17.33	15.59	2.75
INCO	2016	1.14	0.21	17.21	-10.88	0.10
INCO	2017	1.16	0.20	17.20	-1.02	-0.84
ITMG	2011	4.46	0.46	16.48	46.31	50.53
ITMG	2012	4.84	0.49	16.48	0.74	43.10
ITMG	2013	2.72	0.44	16.65	18.46	23.91
ITMG	2014	1.55	0.45	16.60	-4.82	22.28
ITMG	2015	0.53	0.41	16.66	6.23	7.56
ITMG	2016	1.56	0.33	16.60	-5.89	14.40
ITMG	2017	1.80	0.42	16.73	13.24	26.37
KKGI	2011	9.82	0.49	13.79	85.47	68.51
KKGI	2012	3.49	0.42	13.82	2.65	32.18
KKGI	2013	2.28	0.45	14.08	29.68	23.50
KKGI	2014	1.12	0.38	14.03	-4.88	11.08
KKGI	2015	0.37	0.28	14.18	16.64	7.39
KKGI	2016	1.32	0.17	14.10	-8.17	11.22
KKGI	2017	0.27	0.19	14.17	7.31	15.17
MEDC	2011	1.04	2.02	16.97	14.72	57.11
MEDC	2012	0.67	2.15	17.06	9.46	2.24
MEDC	2013	0.64	1.82	17.25	20.96	1.78
MEDC	2014	1.11	1.94	17.33	8.19	1.49
MEDC	2015	0.26	3.15	17.57	26.90	-26.54
MEDC	2016	0.37	3.04	17.69	13.32	21.00
MEDC	2017	0.76	2.68	18.06	44.67	9.40
MITI	2011	2.08	0.88	11.68	2.65	43.75
MITI	2012	2.25	0.57	11.91	25.92	23.30
MITI	2013	1.73	0.41	11.96	5.69	19.72
MITI	2014	0.87	0.32	12.80	131.02	2.78
MITI	2015	1.43	1.24	12.42	-31.36	-161.89
MITI	2016	0.71	1.28	12.34	-7.83	-21.06
MITI	2017	0.85	1.82	12.36	1.86	-28.15
PKPK	2011	0.58	1.48	13.06	0.86	-1.54
PKPK	2012	0.77	1.27	12.89	-16.01	-5.19
PKPK	2013	0.29	1.06	12.80	-8.76	0.19
PKPK	2014	0.36	1.07	12.62	-16.12	-19.38
PKPK	2015	0.36	1.04	12.05	-43.74	-73.89
PKPK	2016	0.43	1.26	11.97	-7.56	-19.59
PKPK	2017	0.68	1.32	11.83	-12.90	-17.60
PTBA	2011	4.90	0.41	16.26	31.92	37.82
PTBA	2012	4.09	0.50	16.36	10.62	34.21
PTBA	2013	3.11	0.55	16.27	-8.26	24.55
PTBA	2014	3.32	0.71	16.51	26.85	23.29
PTBA	2015	1.12	0.82	16.64	14.06	21.93

PTBA	2016	2.73	0.76	16.74	9.96	19.18
PTBA	2017	2.05	0.59	16.91	18.36	32.95
PTRO	2011	2.32	1.37	15.05	71.26	33.06
PTRO	2012	0.74	1.83	15.45	49.73	26.23
PTRO	2013	0.48	1.58	15.65	21.98	8.76
PTRO	2014	0.39	1.43	15.58	-6.91	1.17
PTRO	2015	0.11	1.39	15.65	7.18	-7.12
PTRO	2016	0.32	1.31	15.48	-15.21	-4.59
PTRO	2017	0.69	1.45	15.59	11.96	4.66
RUIS	2011	0.80	3.65	13.80	65.71	1.53
RUIS	2012	0.63	3.94	13.98	19.34	12.19
RUIS	2013	0.56	3.88	14.06	8.62	11.32
RUIS	2014	0.54	3.07	14.05	-1.08	17.94
RUIS	2015	0.49	2.23	13.90	-13.64	12.20
RUIS	2016	0.51	1.72	13.79	-10.32	7.25
RUIS	2017	0.47	1.52	13.77	-2.02	5.50
TINS	2011	1.83	0.43	15.70	11.71	19.51
TINS	2012	1.70	0.34	15.62	-7.14	9.47
TINS	2013	1.65	0.61	15.88	29.21	10.53
TINS	2014	1.63	0.74	16.09	23.71	11.38
TINS	2015	0.70	0.73	16.04	-4.85	1.89
TINS	2016	1.42	0.69	16.07	2.90	4.45
TINS	2017	0.95	0.96	16.29	24.38	8.29

Struktur Modal (DER)
Perusahaan Sektor Pertambangan yang Terdaftar di BEI tahun 2011-2017

$$Debt\ to\ Equity\ Ratio = \frac{Total\ Debt}{Total\ Equity}$$

No	Kode	Nama Perusahaan	Tahun	Debt to Equity Ratio (DER)		
				Total Debt (Jutaan Rp)	Total Equity (Jutaan Rp)	DER (X)
1	ADRO	Adaro Energy Tbk.	2011	29,169,380	22,146,078	1.32
			2012	35,751,943	28,962,172	1.23
			2013	43,420,880	39,202,687	1.11
			2014	39,228,019	40,534,794	0.97
			2015	35,941,453	46,251,875	0.78
			2016	36,765,935	50,867,111	0.72
			2017	36,884,701	55,433,363	0.67
2	ANTM	Aneka Tambang (Persero) Tbk.	2011	4,429,192	10,772,044	0.41
			2012	6,876,225	12,832,316	0.54
			2013	9,071,630	12,793,488	0.71
			2014	10,114,641	11,929,561	0.85
			2015	12,040,132	18,316,719	0.66
			2016	11,572,740	18,408,796	0.63
			2017	11,523,870	18,490,404	0.62
3	ARTI	Ratu Prabu Energy Tbk.	2011	650,032	803,603	0.81
			2012	576,480	855,759	0.67
			2013	649,516	927,916	0.70
			2014	806,258	967,412	0.83
			2015	763,272	1,686,021	0.45
			2016	885,647	1,731,149	0.51
			2017	746,891	1,760,159	0.42
4	ATPK	Bara Jaya Interbasional Tbk.	2011	73,017	38,643	1.89
			2012	107,006	43,824	2.44
			2013	368,123	1,121,217	0.33
			2014	621,708	1,174,157	0.53
			2015	763,673	1,009,641	0.76
			2016	848,701	737,148	1.15
			2017	697,875	1,004,852	0.69
5	BIPI	Benakat Integra Tbk	2011	598,100	3,122,273	0.19
			2012	755,441	3,723,716	0.20
			2013	10,603,085	5,834,892	1.82
			2014	11,675,002	6,093,640	1.92
			2015	14,001,483	5,826,981	2.40
			2016	13,184,492	3,995,221	3.30
			2017	13,167,733	4,687,883	2.81
6	BORN	Borneo Lumbung Energy & Metal Tbk.	2011	6,889,825	8,483,984	0.81
			2012	16,525,563	3,409,461	4.85
			2013	19,592,635	-3,682,572	-5.32
			2014	20,646,931	-8,164,854	-2.53
			2015	25,267,439	-12,541,619	-2.01
			2016	22,592,829	-10,081,259	-2.24
			2017	23,100,335	-9,700,279	-2.38
7	BUMI	Bumi Resources Tbk.	2011	56,146,499	10,667,629	5.26
			2012	67,324,256	3,792,088	17.75
			2013	89,655,266	-3,717,313	-24.12
			2014	89,956,680	-9,116,102	-9.87
			2015	86,890,999	-40,070,352	-2.17
			2016	79,097,309	-37,416,234	-2.11
			2017	46,200,680	3,879,483	11.91
8	BYAN	Bayan Resources Tbk.	2011	7,954,721	6,431,520	1.24
			2012	11,617,672	6,843,373	1.70
			2013	13,704,947	5,519,552	2.48
			2014	11,268,561	3,177,797	3.55
			2015	11,222,743	2,523,349	4.45
			2016	8,552,493	2,527,996	3.38

			2017	5,056,240	6,998,949	0.72
9	CITA	Cita Mineral Investindo Tbk.	2011	829,793	1,020,862	0.81
			2012	833,927	1,134,652	0.73
			2013	1,675,330	2,098,275	0.80
			2014	1,145,347	1,644,773	0.70
			2015	1,503,925	1,292,038	1.16
			2016	1,763,385	1,142,222	1.54
			2017	1,763,756	2,678,251	0.66
10	CTTH	Citatah Tbk.	2011	142,259	75,992	1.87
			2012	182,687	78,752	2.32
			2013	247,724	79,236	3.13
			2014	285,803	80,250	3.56
			2015	316,679	288,988	1.10
			2016	301,007	314,955	0.96
			2017	378,839	321,412	1.18
11	DEWA	Darma Henwa Tbk.	2011	837,481	2,845,268	0.29
			2012	1,604,286	2,645,445	0.61
			2013	1,762,857	2,725,264	0.65
			2014	1,659,615	2,765,848	0.60
			2015	2,172,439	3,294,255	0.66
			2016	2,098,838	3,024,842	0.69
			2017	2,360,707	3,082,882	0.77
12	DOID	Delta Dunia Makmur Tbk.	2011	9,864,475	955,304	10.33
			2012	10,349,452	865,531	11.96
			2013	12,434,314	839,438	14.81
			2014	10,115,116	1,143,262	8.85
			2015	10,945,789	1,245,846	8.79
			2016	10,155,022	1,699,235	5.98
			2017	10,410,465	12,810,737	0.81
13	ELSA	Elnusa Tbk.	2011	2,485,125	1,904,825	1.30
			2012	2,252,312	2,042,245	1.10
			2013	2,085,850	2,285,114	0.91
			2014	1,662,708	2,582,996	0.64
			2015	1,772,327	2,635,186	0.67
			2016	1,313,213	2,877,743	0.46
			2017	1,803,449	3,051,920	0.59
14	ENRG	Energi Mega Persada Tbk.	2011	11,215,085	6,139,749	1.83
			2012	13,359,930	6,679,703	2.00
			2013	17,554,666	10,895,141	1.61
			2014	16,128,379	11,260,945	1.43
			2015	15,843,111	5,081,389	3.12
			2016	15,231,697	-962,977	-15.82
			2017	6,973,208	-759,771	-9.18
15	GTBO	Garda Tujuh Buana Tbk.	2011	136,805	327,563	0.42
			2012	362,962	1,269,469	0.29
			2013	187,406	898,016	0.21
			2014	154,533	852,835	0.18
			2015	103,968	725,877	0.14
			2016	103,358	637,059	0.16
			2017	162,722	642,909	0.25
16	HRUM	Harum Energy Tbk.	2011	1,088,167	3,556,981	0.31
			2012	1,063,699	4,144,943	0.26
			2013	1,050,871	4,846,351	0.22
			2014	1,021,470	4,501,443	0.23
			2015	545,597	5,033,649	0.11
			2016	778,422	4,775,562	0.16
			2017	861,414	5,363,121	0.16
17	INCO	Vale Indonesia Tbk.	2011	5,914,086	16,042,824	0.37
			2012	5,914,617	16,646,267	0.36
			2013	6,955,286	21,034,044	0.33
			2014	6,825,337	22,202,650	0.31
			2015	6,671,925	26,880,308	0.25
			2016	5,252,173	24,649,538	0.21
			2017	4,947,621	24,648,784	0.20
18	ITMG	Indo Tambangraya Megah Tbk.	2011	4,512,872	9,800,731	0.46
			2012	4,726,764	9,693,372	0.49

			2013	5,255,057	11,826,501	0.44
			2014	5,082,892	11,175,288	0.45
			2015	5,039,165	12,232,102	0.41
			2016	4,062,536	12,192,229	0.33
			2017	5,426,299	12,980,867	0.42
19	KKGI	Resource Alam Indonesia Tbk.	2011	320,745	657,148	0.49
			2012	294,961	708,800	0.42
			2013	401,683	900,013	0.45
			2014	340,427	897,810	0.38
			2015	319,235	1,125,088	0.28
			2016	192,122	1,134,544	0.17
			2017	222,644	1,200,622	0.19
20	MEDC	Medco Energi Internasional Tbk.	2011	15,706,234	7,756,286	2.02
			2012	17,528,002	8,153,978	2.15
			2013	20,060,506	11,003,201	1.82
			2014	22,162,545	11,445,084	1.94
			2015	32,365,807	10,283,261	3.15
			2016	36,366,170	11,964,877	3.04
			2017	50,914,926	19,003,401	2.68
21	MITI	Mitra Investindo Tbk.	2011	55,160	62,806	0.88
			2012	53,731	94,810	0.57
			2013	45,430	111,564	0.41
			2014	88,899	273,780	0.32
			2015	138,015	110,914	1.24
			2016	142,275	110,914	1.28
			2017	150,751	82,975	1.82
22	PKPK	Perdana Karya Perkasa Tbk.	2011	281,152	189,686	1.48
			2012	221,555	174,722	1.27
			2013	186,390	175,158	1.06
			2014	156,521	146,735	1.07
			2015	87,084	83,515	1.04
			2016	87,917	69,785	1.26
			2017	78,040	59,323	1.32
23	PTBA	Bukit Asam Tbk.	2011	3,342,102	8,165,002	0.41
			2012	4,223,812	8,505,169	0.50
			2013	4,125,586	7,551,569	0.55
			2014	6,141,181	8,670,842	0.71
			2015	7,606,496	9,287,547	0.82
			2016	8,024,369	10,552,405	0.76
			2017	8,187,497	13,799,985	0.59
24	PTRO	Petrosea Tbk.	2011	1,977,422	1,443,916	1.37
			2012	3,311,511	1,811,094	1.83
			2013	3,824,142	2,424,258	1.58
			2014	3,418,719	2,397,997	1.43
			2015	3,621,613	2,613,006	1.39
			2016	2,995,906	2,290,153	1.31
			2017	3,499,570	2,418,792	1.45
25	RUIS	Radiant Utama Interinsco Tbk.	2011	774,059	211,863	3.65
			2012	938,642	237,936	3.94
			2013	1,016,045	261,898	3.88
			2014	953,560	310,583	3.07
			2015	753,340	338,413	2.23
			2016	619,413	359,719	1.72
			2017	579,059	380,289	1.52
26	TINS	Timah Tbk.	2011	1,972,012	4,597,795	0.43
			2012	1,542,807	4,558,200	0.34
			2013	2,991,184	4,892,111	0.61
			2014	4,144,235	5,608,242	0.74
			2015	3,908,615	5,371,068	0.73
			2016	3,894,946	5,656,685	0.69
			2017	5,814,816	6,061,493	0.96

Ukuran Perusahaan (Ln Aset)
Perusahaan Sektor Pertambangan yang Terdaftar di BEI tahun 2011-2017

Ukuran Perusahaan = Ln Total Aset

No	Kode	Nama Perusahaan	Tahun	Ukuran Perusahaan (Ln Total Aset)	
				Total Aset (Jutaan Rp)	Ln Total Aset
1	ADRO	Adaro Energy Tbk.	2011	51,315,458	17.75
			2012	64,714,116	17.99
			2013	82,623,566	18.23
			2014	79,762,813	18.19
			2015	82,193,328	18.22
			2016	87,633,045	18.29
			2017	92,318,064	18.34
2	ANTM	Aneka Tambang (Persero) Tbk.	2011	15,201,235	16.54
			2012	19,708,541	16.80
			2013	21,865,117	16.90
			2014	22,044,202	16.91
			2015	30,356,851	17.23
			2016	29,981,536	17.22
			2017	30,014,273	17.22
3	ARTI	Ratu Prabu Energy Tbk.	2011	1,453,096	14.19
			2012	1,432,239	14.17
			2013	1,577,432	14.27
			2014	1,773,671	14.39
			2015	2,449,293	14.71
			2016	2,616,796	14.78
			2017	2,506,050	14.73
4	ATPK	Bara Jaya Interbasional Tbk.	2011	588,222	13.28
			2012	794,599	13.59
			2013	1,489,340	14.21
			2014	1,795,865	14.40
			2015	1,773,314	14.39
			2016	1,585,849	14.28
			2017	1,004,852	13.82
5	BIPI	Benakat Integra Tbk	2011	10,751,373	16.19
			2012	12,944,157	16.38
			2013	16,437,977	16.62
			2014	17,768,642	16.69
			2015	19,828,463	16.80
			2016	17,179,713	16.66
			2017	17,855,616	16.70
6	BORN	Borneo Lumbung Energy & Metal Tbk.	2011	15,373,809	16.55
			2012	19,935,024	16.81
			2013	15,910,063	16.58
			2014	6,073,509	15.62
			2015	12,725,820	16.36
			2016	12,511,570	16.34
			2017	13,400,056	16.41
7	BUMI	Bumi Resources Tbk.	2011	66,814,128	18.02
			2012	71,116,344	18.08
			2013	85,937,953	18.27
			2014	80,840,578	18.21
			2015	46,820,647	17.66
			2016	41,681,075	17.55
			2017	50,080,163	17.73
8	BYAN	Bayan Resources Tbk.	2011	14,386,241	16.48
			2012	18,461,045	16.73
			2013	19,224,499	16.77
			2014	14,446,358	16.49
			2015	13,746,093	16.44
			2016	11,080,490	16.22
			2017	12,041,640	16.30

9	CITA	Cita Mineral Investindo Tbk.	2011	1,850,655	14.43
			2012	1,968,579	14.49
			2013	3,773,606	15.14
			2014	2,790,121	14.84
			2015	2,795,962	14.84
			2016	2,726,214	14.82
			2017	2,678,251	14.80
10	CTTH	Citatah Tbk.	2011	218,252	12.29
			2012	261,439	12.47
			2013	326,960	12.70
			2014	366,053	12.81
			2015	605,667	13.31
			2016	615,962	13.33
			2017	700,252	13.46
11	DEWA	Darma Henwa Tbk.	2011	3,682,750	15.12
			2012	4,249,731	15.26
			2013	4,487,851	15.32
			2014	4,425,463	15.30
			2015	5,466,694	15.51
			2016	5,123,680	15.45
			2017	5,443,588	15.51
12	DOID	Delta Dunia Makmur Tbk.	2011	10,819,779	16.20
			2012	11,219,984	16.23
			2013	13,273,752	16.40
			2014	11,258,378	16.24
			2015	12,191,635	16.32
			2016	11,854,256	16.29
			2017	12,810,737	16.37
13	ELSA	Elnusa Tbk.	2011	4,389,950	15.29
			2012	4,294,557	15.27
			2013	4,370,964	15.29
			2014	4,245,704	15.26
			2015	4,407,513	15.30
			2016	4,190,956	15.25
			2017	4,855,369	15.40
14	ENRG	Energi Mega Persada Tbk.	2011	17,354,834	16.67
			2012	20,039,633	16.81
			2013	28,449,806	17.16
			2014	27,389,324	17.13
			2015	20,924,500	16.86
			2016	14,268,721	16.47
			2017	10,250,441	16.14
15	GTBO	Garda Tujuh Buana Tbk.	2011	464,368	13.05
			2012	1,632,431	14.31
			2013	1,085,422	13.90
			2014	1,007,068	13.82
			2015	829,845	13.63
			2016	740,416	13.51
			2017	805,631	13.60
16	HRUM	Harum Energy Tbk.	2011	4,645,148	15.35
			2012	5,208,642	15.47
			2013	5,897,221	15.59
			2014	5,522,913	15.52
			2015	5,579,246	15.53
			2016	5,553,984	15.53
			2017	6,224,535	15.64
17	INCO	Vale Indonesia Tbk.	2011	21,956,911	16.90
			2012	22,560,884	16.93
			2013	27,989,330	17.15
			2014	29,027,987	17.18
			2015	33,552,233	17.33
			2016	29,901,711	17.21
			2017	29,596,405	17.20
18	ITMG	Indo Tambangraya Megah Tbk.	2011	14,313,602	16.48
			2012	14,420,136	16.48
			2013	17,081,558	16.65

			2014	16,258,180	16.60
			2015	17,271,266	16.66
			2016	16,254,765	16.60
			2017	18,407,166	16.73
19	KKGI	Resource Alam Indonesia Tbk.	2011	977,893	13.79
			2012	1,003,761	13.82
			2013	1,301,696	14.08
			2014	1,238,236	14.03
			2015	1,444,324	14.18
			2016	1,326,251	14.10
			2017	1,423,266	14.17
20	MEDC	Medco Energi Internasional Tbk.	2011	23,462,520	16.97
			2012	25,681,980	17.06
			2013	31,063,707	17.25
			2014	33,607,629	17.33
			2015	42,649,068	17.57
			2016	48,331,047	17.69
			2017	69,918,327	18.06
21	MITI	Mitra Investindo Tbk.	2011	117,967	11.68
			2012	148,541	11.91
			2013	156,993	11.96
			2014	362,679	12.80
			2015	248,928	12.42
			2016	229,449	12.34
			2017	233,727	12.36
22	PKPK	Perdana Karya Perkasa Tbk.	2011	471,838	13.06
			2012	396,277	12.89
			2013	361,549	12.80
			2014	303,256	12.62
			2015	170,599	12.05
			2016	157,703	11.97
			2017	137,363	11.83
23	PTBA	Bukit Asam Tbk.	2011	11,507,104	16.26
			2012	12,728,981	16.36
			2013	11,677,155	16.27
			2014	14,812,023	16.51
			2015	16,894,043	16.64
			2016	18,576,774	16.74
			2017	21,987,482	16.91
24	PTRO	Petrosea Tbk.	2011	3,421,338	15.05
			2012	5,122,605	15.45
			2013	6,248,399	15.65
			2014	5,816,715	15.58
			2015	6,234,619	15.65
			2016	5,286,058	15.48
			2017	5,918,362	15.59
25	RUIS	Radiant Utama Interinsco Tbk.	2011	985,922	13.80
			2012	1,176,579	13.98
			2013	1,277,943	14.06
			2014	1,264,143	14.05
			2015	1,091,754	13.90
			2016	979,132	13.79
			2017	959,348	13.77
26	TINS	Timah Tbk.	2011	6,569,807	15.70
			2012	6,101,007	15.62
			2013	7,883,294	15.88
			2014	9,752,477	16.09
			2015	9,279,683	16.04
			2016	9,548,631	16.07
			2017	11,876,309	16.29

Pertumbuhan Perusahaan
Perusahaan Sektor Pertambangan yang Terdaftar di BEI tahun 2011-2017

$$\textbf{Pertumbuhan Perusahaan} = \frac{\textbf{Total Aset}(t) - \textbf{Total Aset}\ (t-1)}{\textbf{Total Aset}\ (t-1)} \times 100$$

No	Kode	Nama Perusahaan	Tahun	Pertumbuhan Perusahaan		
				Total Aset (t) (Jutaan Rp)	Total Aset (t-1) (Jutaaan Rp)	Pertumbuhan Perusahaan (%)
1	ADRO	Adaro Energy Tbk.	2011	51,315,458	40,600,921	26.39
			2012	64,714,116	51,315,458	26.11
			2013	82,623,566	64,714,116	27.67
			2014	79,762,813	82,623,566	-3.46
			2015	82,193,328	79,762,813	3.05
			2016	87,633,045	82,193,328	6.62
			2017	92,318,064	87,633,045	5.35
2	ANTM	Aneka Tambang (Persero) Tbk.	2011	15,201,235	12,218,890	24.41
			2012	19,708,541	15,201,235	29.65
			2013	21,865,117	19,708,541	10.94
			2014	22,044,202	21,865,117	0.82
			2015	30,356,851	22,044,202	37.71
			2016	29,981,536	30,356,851	-1.24
			2017	30,014,273	29,981,536	0.11
3	ARTI	Ratu Prabu Energy Tbk.	2011	1,453,096	1,367,943	6.22
			2012	1,432,239	1,453,096	-1.44
			2013	1,577,432	1,432,239	10.14
			2014	1,773,671	1,577,432	12.44
			2015	2,449,293	1,773,671	38.09
			2016	2,616,796	2,449,293	6.84
			2017	2,506,050	2,616,796	-4.23
4	ATPK	Bara Jaya Interbasional Tbk.	2011	588,222	775,158	-24.12
			2012	794,599	588,222	35.08
			2013	1,489,340	794,599	87.43
			2014	1,795,865	1,489,340	20.58
			2015	1,773,314	1,795,865	-1.26
			2016	1,585,849	1,773,314	-10.57
			2017	1,004,852	1,585,849	-36.64
5	BIPI	Benakat Integra Tbk	2011	10,751,373	13,574,480	-20.80
			2012	12,944,157	10,751,373	20.40
			2013	16,437,977	12,944,157	26.99
			2014	17,768,642	16,437,977	8.10
			2015	19,828,463	17,768,642	11.59
			2016	17,179,713	19,828,463	-13.36
			2017	17,855,616	17,179,713	3.93
6	BORN	Borneo Lumbung Energy & Metal Tbk.	2011	15,373,809	8,523,960	80.36
			2012	19,935,024	15,373,809	29.67
			2013	15,910,063	19,935,024	-20.19
			2014	6,073,509	15,910,063	-61.83
			2015	12,725,820	6,073,509	109.53
			2016	12,511,570	12,725,820	-1.68
			2017	13,400,056	12,511,570	7.10
7	BUMI	Bumi Resources Tbk.	2011	66,814,128	78,765,440	-15.17
			2012	71,116,344	66,814,128	6.44
			2013	85,937,953	71,116,344	20.84
			2014	80,840,578	85,937,953	-5.93
			2015	46,820,647	80,840,578	-42.08
			2016	41,681,075	46,820,647	-10.98
			2017	50,080,163	41,681,075	20.15
8	BYAN	Bayan Resources Tbk.	2011	14,386,241	8,372,079	71.84
			2012	18,461,045	14,386,241	28.32
			2013	19,224,499	18,461,045	4.14
			2014	14,446,358	19,224,499	-24.85
			2015	13,746,093	14,446,358	-4.85

			2016	11,080,490	13,746,093	-19.39
			2017	12,041,640	11,080,490	8.67
9	CITA	Cita Mineral Investindo Tbk.	2011	1,850,655	1,425,400	29.83
			2012	1,968,579	1,850,655	6.37
			2013	3,773,606	1,968,579	91.69
			2014	2,790,121	3,773,606	-26.06
			2015	2,795,962	2,790,121	0.21
			2016	2,726,214	2,795,962	-2.49
			2017	2,678,251	2,726,214	-1.76
10	CTTH	Citatah Tbk.	2011	218,252	199,626	9.33
			2012	261,439	218,252	19.79
			2013	326,960	261,439	25.06
			2014	366,053	326,960	11.96
			2015	605,667	366,053	65.46
			2016	615,962	605,667	1.70
			2017	700,252	615,962	13.68
11	DEWA	Darma Henwa Tbk.	2011	3,682,750	4,152,429	-11.31
			2012	4,249,731	3,682,750	15.40
			2013	4,487,851	4,249,731	5.60
			2014	4,425,463	4,487,851	-1.39
			2015	5,466,694	4,425,463	23.53
			2016	5,123,680	5,466,694	-6.27
			2017	5,443,588	5,123,680	6.24
12	DOID	Delta Dunia Makmur Tbk.	2011	10,819,779	7,658,739	41.27
			2012	11,219,984	10,819,779	3.70
			2013	13,273,752	11,219,984	18.30
			2014	11,258,378	13,273,752	-15.18
			2015	12,191,635	11,258,378	8.29
			2016	11,854,256	12,191,635	-2.77
			2017	12,810,737	11,854,256	8.07
13	ELSA	Elnusa Tbk.	2011	4,389,950	3,678,566	19.34
			2012	4,294,557	4,389,950	-2.17
			2013	4,370,964	4,294,557	1.78
			2014	4,245,704	4,370,964	-2.87
			2015	4,407,513	4,245,704	3.81
			2016	4,190,956	4,407,513	-4.91
			2017	4,855,369	4,190,956	15.85
14	ENRG	Energi Mega Persada Tbk.	2011	17,354,834	11,762,036	47.55
			2012	20,039,633	17,354,834	15.47
			2013	28,449,806	20,039,633	41.97
			2014	27,389,324	28,449,806	-3.73
			2015	20,924,500	27,389,324	-23.60
			2016	14,268,721	20,924,500	-31.81
			2017	10,250,441	14,268,721	-28.16
15	GTBO	Garda Tujuh Buana Tbk.	2011	464,368	440,217	5.49
			2012	1,632,431	464,368	251.54
			2013	1,085,422	1,632,431	-33.51
			2014	1,007,068	1,085,422	-7.22
			2015	829,845	1,007,068	-17.60
			2016	740,416	829,845	-10.78
			2017	805,631	740,416	8.81
16	HRUM	Harum Energy Tbk.	2011	4,645,148	3,470,174	33.86
			2012	5,208,642	4,645,148	12.13
			2013	5,897,221	5,208,642	13.22
			2014	5,522,913	5,897,221	-6.35
			2015	5,579,246	5,522,913	1.02
			2016	5,553,984	5,579,246	-0.45
			2017	6,224,535	5,553,984	12.07
17	INCO	Vale Indonesia Tbk.	2011	21,956,911	19,663,930	11.66
			2012	22,560,884	21,956,911	2.75
			2013	27,989,330	22,560,884	24.06
			2014	29,027,987	27,989,330	3.71
			2015	33,552,233	29,027,987	15.59
			2016	29,901,711	33,552,233	-10.88
			2017	29,596,405	29,901,711	-1.02
18	ITMG		2011	14,313,602	9,783,380	46.31

		Indo Tambangraya Megah Tbk.	2012	14,420,136	14,313,602	0.74
			2013	17,081,558	14,420,136	18.46
			2014	16,258,180	17,081,558	-4.82
			2015	17,271,266	16,258,180	6.23
			2016	16,254,765	17,271,266	-5.89
			2017	18,407,166	16,254,765	13.24
19	KKGI	Resource Alam Indonesia Tbk.	2011	977,893	527,245	85.47
			2012	1,003,761	977,893	2.65
			2013	1,301,696	1,003,761	29.68
			2014	1,238,236	1,301,696	-4.88
			2015	1,444,324	1,238,236	16.64
			2016	1,326,251	1,444,324	-8.17
			2017	1,423,266	1,326,251	7.31
20	MEDC	Medco Energi Internasional Tbk.	2011	23,462,520	20,452,497	14.72
			2012	25,681,980	23,462,520	9.46
			2013	31,063,707	25,681,980	20.96
			2014	33,607,629	31,063,707	8.19
			2015	42,649,068	33,607,629	26.90
			2016	48,331,047	42,649,068	13.32
			2017	69,918,327	48,331,047	44.67
21	MITI	Mitra Investindo Tbk.	2011	117,967	114,925	2.65
			2012	148,541	117,967	25.92
			2013	156,993	148,541	5.69
			2014	362,679	156,993	131.02
			2015	248,928	362,679	-31.36
			2016	229,449	248,928	-7.83
			2017	233,727	229,449	1.86
22	PKPK	Perdana Karya Perkasa Tbk.	2011	471,838	467,805	0.86
			2012	396,277	471,838	-16.01
			2013	361,549	396,277	-8.76
			2014	303,256	361,549	-16.12
			2015	170,599	303,256	-43.74
			2016	157,703	170,599	-7.56
			2017	137,363	157,703	-12.90
23	PTBA	Bukit Asam Tbk.	2011	11,507,104	8,722,699	31.92
			2012	12,728,981	11,507,104	10.62
			2013	11,677,155	12,728,981	-8.26
			2014	14,812,023	11,677,155	26.85
			2015	16,894,043	14,812,023	14.06
			2016	18,576,774	16,894,043	9.96
			2017	21,987,482	18,576,774	18.36
24	PTRO	Petrosea Tbk.	2011	3,421,338	1,997,713	71.26
			2012	5,122,605	3,421,338	49.73
			2013	6,248,399	5,122,605	21.98
			2014	5,816,715	6,248,399	-6.91
			2015	6,234,619	5,816,715	7.18
			2016	5,286,058	6,234,619	-15.21
			2017	5,918,362	5,286,058	11.96
25	RUIS	Radiant Utama Interinsco Tbk.	2011	985,922	594,952	65.71
			2012	1,176,579	985,922	19.34
			2013	1,277,943	1,176,579	8.62
			2014	1,264,143	1,277,943	-1.08
			2015	1,091,754	1,264,143	-13.64
			2016	979,132	1,091,754	-10.32
			2017	959,348	979,132	-2.02
26	TINS	Timah Tbk.	2011	6,569,807	5,881,108	11.71
			2012	6,101,007	6,569,807	-7.14
			2013	7,883,294	6,101,007	29.21
			2014	9,752,477	7,883,294	23.71
			2015	9,279,683	9,752,477	-4.85
			2016	9,548,631	9,279,683	2.90
			2017	11,876,309	9,548,631	24.38

Profitabilitas (ROE)
Perusahaan Sektor Pertambangan yang Terdaftar di BEI tahun 2011-2017

$$\textbf{Return On Equity} = \frac{\textbf{Earning after tax}}{\textbf{Total equity}} \times 100$$

No	Kode	Nama Perusahaan	Tahun	Profitabilitas (ROE)		
				Earning After Tax (Jutaan Rp)	Total Equity (Jutaan Rp)	ROE (%)
1	ADRO	Adaro Energy Tbk.	2011	5,006,470	22,146,078	22.61
			2012	3,706,579	28,962,172	12.80
			2013	2,813,057	39,202,687	7.18
			2014	2,278,822	40,534,794	5.62
			2015	2,082,935	46,251,875	4.50
			2016	4,577,457	50,867,111	9.00
			2017	7,267,662	55,433,363	13.11
2	ANTM	Aneka Tambang (Persero) Tbk.	2011	1,927,892	10,772,044	17.90
			2012	2,993,116	12,832,316	23.32
			2013	409,947	12,793,488	3.20
			2014	-775,286	11,929,561	-6.50
			2015	-1,440,853	18,316,719	-7.87
			2016	64,806	18,408,796	0.35
			2017	136,504	18,490,404	0.74
3	ARTI	Ratu Prabu Energy Tbk.	2011	11,767	803,603	1.46
			2012	51,857	855,759	6.06
			2013	66,432	927,916	7.16
			2014	30,078	967,412	3.11
			2015	17,803	1,686,021	1.06
			2016	9,229	1,731,149	0.53
			2017	28,884	1,760,159	1.64
4	ATPK	Bara Jaya Interbasional Tbk.	2011	-24,850	38,643	-64.31
			2012	-16,741	43,824	-38.20
			2013	13,041	1,121,217	1.16
			2014	52,940	1,174,157	4.51
			2015	-161,556	1,009,641	-16.00
			2016	-288,022	737,148	-39.07
			2017	309,130	1,004,852	30.76
5	BIPI	Benakat Integra Tbk	2011	-61,432	3,122,273	-1.97
			2012	8,672	3,723,716	0.23
			2013	678,674	5,834,892	11.63
			2014	325,533	6,093,640	5.34
			2015	-554,064	5,826,981	-9.51
			2016	-2,318,669	3,995,221	-58.04
			2017	516,828	4,687,883	11.02
6	BORN	Borneo Lumbung Energy & Metal Tbk.	2011	2,574,547	8,483,984	30.35
			2012	-5,322,911	3,409,461	-156.12
			2013	-7,243,410	-3,682,572	196.69
			2014	-6,073,509	-8,164,854	74.39
			2015	-3,490,224	-12,541,619	27.83
			2016	2,135,453	-10,081,259	-21.18
			2017	465,016	-9,700,279	-4.79
7	BUMI	Bumi Resources Tbk.	2011	1,950,547	10,667,629	18.28
			2012	-6,823,404	3,792,088	-179.94
			2013	-8,099,470	-3,717,313	217.89
			2014	-5,793,990	-9,116,102	63.56
			2015	-30,146,518	-40,070,352	75.23
			2016	1,615,756	-37,416,234	-4.32
			2017	3,288,725	3,879,483	84.77
8	BYAN	Bayan Resources Tbk.	2011	1,873,210	6,431,520	29.13
			2012	531,337	6,843,373	7.76
			2013	-677,501	5,519,552	-12.27
			2014	-2,350,618	3,177,797	-73.97
			2015	-1,198,914	2,523,349	-47.51
			2016	242,055	2,527,996	9.57

			2017	4,579,457	6,998,949	65.43
9	CITA	Cita Mineral Investindo Tbk.	2011	261,692	1,020,862	25.63
			2012	236,314	1,134,652	20.83
			2013	686,687	2,098,275	32.73
			2014	-384,699	1,644,773	-23.39
			2015	-341,206	1,292,038	-26.41
			2016	-265,247	1,142,222	-23.22
			2017	47,493	2,678,251	1.77
10	CTTH	Citatah Tbk.	2011	916	75,992	1.21
			2012	2,759	78,752	3.50
			2013	484	79,236	0.61
			2014	1,014	80,250	1.26
			2015	1,950	288,988	0.67
			2016	20,881	314,955	6.63
			2017	4,717	321,412	1.47
11	DEWA	Darma Henwa Tbk.	2011	-218,168	2,845,268	-7.67
			2012	-400,575	2,645,445	-15.14
			2013	-634,901	2,725,264	-23.30
			2014	3,713	2,765,848	0.13
			2015	6,827	3,294,255	0.21
			2016	7,388	3,024,842	0.24
			2017	37,516	3,082,882	1.22
12	DOID	Delta Dunia Makmur Tbk.	2011	-153,375	955,304	-16.06
			2012	-147,522	865,531	-17.04
			2013	-360,370	839,438	-42.93
			2014	192,381	1,143,262	16.83
			2015	-121,750	1,245,846	-9.77
			2016	498,330	1,699,235	29.33
			2017	633,332	12,810,737	4.94
13	ELSA	Elnusa Tbk.	2011	639,759	1,904,825	33.59
			2012	135,597	2,042,245	6.64
			2013	242,605	2,285,114	10.62
			2014	418,092	2,582,996	16.19
			2015	379,745	2,635,186	14.41
			2016	316,066	2,877,743	10.98
			2017	247,140	3,051,920	8.10
14	ENRG	Energi Mega Persada Tbk.	2011	173,924	6,139,749	2.83
			2012	266,600	6,679,703	3.99
			2013	2,127,601	10,895,141	19.53
			2014	218,405	11,260,945	1.94
			2015	-3,966,905	5,081,389	-78.07
			2016	-1,034,880	-962,977	107.47
			2017	200,254	-759,771	-26.36
15	GTBO	Garda Tujuh Buana Tbk.	2011	73,867	327,563	22.55
			2012	941,906	1,269,469	74.20
			2013	-73,144	898,016	-8.15
			2014	-57,330	852,835	-6.72
			2015	-221,294	725,877	-30.49
			2016	-69,873	637,059	-10.97
			2017	453	642,909	0.07
16	HRUM	Harum Energy Tbk.	2011	1,778,984	3,556,981	50.01
			2012	1,563,350	4,144,943	37.72
			2013	608,348	4,846,351	12.55
			2014	32,408	4,501,443	0.72
			2015	-278,437	5,033,649	-5.53
			2016	241,576	4,775,562	5.06
			2017	755,274	5,363,121	14.08
17	INCO	Vale Indonesia Tbk.	2011	3,026,563	16,042,824	18.87
			2012	652,667	16,646,267	3.92
			2013	474,260	21,034,044	2.25
			2014	2,142,362	22,202,650	9.65
			2015	740,193	26,880,308	2.75
			2016	25,609	24,649,538	0.10
			2017	-206,892	24,648,784	-0.84
18	ITMG	Indo Tambangraya Megah Tbk.	2011	4,952,271	9,800,731	50.53
			2012	4,177,856	9,693,372	43.10

			2013	2,828,039	11,826,501	23.91
			2014	2,489,911	11,175,288	22.28
			2015	924,959	12,232,102	7.56
			2016	1,756,206	12,192,229	14.40
			2017	3,423,620	12,980,867	26.37
19	KKGI	Resource Alam Indonesia Tbk.	2011	450,204	657,148	68.51
			2012	228,114	708,800	32.18
			2013	211,539	900,013	23.50
			2014	99,516	897,810	11.08
			2015	83,138	1,125,088	7.39
			2016	127,277	1,134,544	11.22
			2017	182,085	1,200,622	15.17
20	MEDC	Medco Energi Internasional Tbk.	2011	4,429,456	7,756,286	57.11
			2012	182,319	8,153,978	2.24
			2013	196,057	11,003,201	1.78
			2014	170,582	11,445,084	1.49
			2015	-2,728,746	10,283,261	-26.54
			2016	2,513,190	11,964,877	21.00
			2017	1,785,745	19,003,401	9.40
21	MITI	Mitra Investindo Tbk.	2011	27,479	62,806	43.75
			2012	22,091	94,810	23.30
			2013	22,003	111,564	19.72
			2014	7,609	273,780	2.78
			2015	-179,561	110,914	-161.89
			2016	-23,362	110,914	-21.06
			2017	-23,354	82,975	-28.15
22	PKPK	Perdana Karya Perkasa Tbk.	2011	-2,920	189,686	-1.54
			2012	-9,064	174,722	-5.19
			2013	334	175,158	0.19
			2014	-28,432	146,735	-19.38
			2015	-61,713	83,515	-73.89
			2016	-13,670	69,785	-19.59
			2017	-10,440	59,323	-17.60
23	PTBA	Bukit Asam Tbk.	2011	3,088,067	8,165,002	37.82
			2012	2,909,421	8,505,169	34.21
			2013	1,854,281	7,551,569	24.55
			2014	2,019,214	8,670,842	23.29
			2015	2,037,111	9,287,547	21.93
			2016	2,024,405	10,552,405	19.18
			2017	4,547,232	13,799,985	32.95
24	PTRO	Petrosea Tbk.	2011	477,367	1,443,916	33.06
			2012	475,010	1,811,094	26.23
			2013	212,369	2,424,258	8.76
			2014	28,018	2,397,997	1.17
			2015	-186,012	2,613,006	-7.12
			2016	-105,137	2,290,153	-4.59
			2017	112,597	2,418,792	4.66
25	RUIS	Radiant Utama Interinsco Tbk.	2011	3,249	211,863	1.53
			2012	28,994	237,936	12.19
			2013	29,635	261,898	11.32
			2014	55,705	310,583	17.94
			2015	41,281	338,413	12.20
			2016	26,070	359,719	7.25
			2017	20,922	380,289	5.50
26	TINS	Timah Tbk.	2011	896,806	4,597,795	19.51
			2012	431,588	4,558,200	9.47
			2013	515,102	4,892,111	10.53
			2014	637,954	5,608,242	11.38
			2015	101,561	5,371,068	1.89
			2016	251,969	5,656,685	4.45
			2017	502,417	6,061,493	8.29

Nilai Perusahaan (PBV)
Perusahaan Sektor Pertambangan yang Terdaftar di BEI tahun 2011-2017

$$\text{PBV} = \frac{\text{Harga Pasar per Lembar Saham}}{\text{Nilai Buku per Lembar Saham}}$$

No	Kode	Nama Perusahaan	Tahun	Nilai Buku Per Lembar Saham (Rp)			PBV (X)		
				Total Ekuitas Pemegang Saham (jutaan Rp)	Jumlah Saham yang Diterbitkan (jutaan lembar)	Nilai Buku Per Lembar Saham (Rp)	Harga Pasar Per Lembar Saham (Rp)	Nilai Buku Per Lembar Saham (Rp)	PBV (X)
1	ADRO	Adaro Energy Tbk.	2011	22,146,078	31,986	692.37	1,770	692.37	**2.56**
			2012	28,962,172	31,986	905.46	1,590	905.46	**1.76**
			2013	39,202,687	31,986	1225.62	1,090	1225.62	**0.89**
			2014	40,534,794	31,986	1267.27	1,040	1267.27	**0.82**
			2015	46,251,875	31,986	1446.00	515	1446.00	**0.36**
			2016	50,867,111	31,986	1590.29	1,695	1590.29	**1.07**
			2017	55,433,363	31,986	1733.05	1,860	1733.05	**1.07**
2	ANTM	Aneka Tambang (Persero) Tbk.	2011	10,772,044	9,538	1129.38	1,620	1129.38	**1.43**
			2012	12,832,316	9,538	1345.39	1,280	1345.39	**0.95**
			2013	12,793,488	9,538	1341.32	1,090	1341.32	**0.81**
			2014	11,929,561	9,538	1250.74	1,065	1250.74	**0.85**
			2015	18,316,719	24,031	762.21	314	762.21	**0.41**
			2016	18,408,796	24,031	766.04	895	766.04	**1.17**
			2017	18,490,404	24,031	769.44	625	769.44	**0.81**
3	ARTI	Ratu Prabu Energy Tbk.	2011	803,603	1,568	512.50	255	512.50	**0.50**
			2012	855,759	1,568	545.76	260	545.76	**0.48**
			2013	927,916	1,568	591.78	181	591.78	**0.31**
			2014	967,412	1,568	616.97	101	616.97	**0.16**
			2015	1,686,021	7,840	215.05	170	215.05	**0.79**
			2016	1,731,149	7,840	220.81	50	220.81	**0.23**
			2017	1,760,159	7,840	224.51	50	224.51	**0.22**
4	ATPK	Bara Jaya Interbasional Tbk.	2011	38,643	831	46.50	166	46.50	**3.57**
			2012	43,824	914	47.95	129	47.95	**2.69**
			2013	1,121,217	5,760	194.66	270	194.66	**1.39**
			2014	1,174,157	5,760	203.85	209	203.85	**1.03**
			2015	1,009,641	5,760	175.28	194	175.28	**1.11**
			2016	737,148	5,760	127.98	194	127.98	**1.52**
			2017	1,004,852	5,760	174.45	194	174.45	**1.11**
5	BIPI	Benakat Integra Tbk	2011	3,122,273	30,076	103.81	205	103.81	**1.97**
			2012	3,723,716	35,213	105.75	196	105.75	**1.85**
			2013	5,834,892	36,508	159.83	111	159.83	**0.69**
			2014	6,093,640	36,508	166.91	121	166.91	**0.72**
			2015	5,826,981	36,508	159.61	50	159.61	**0.31**
			2016	3,995,221	36,508	109.43	71	109.43	**0.65**
			2017	4,687,883	40,159	116.73	71	116.73	**0.61**
6	BORN	Borneo Lumbung Energy & Metal Tbk.	2011	8,483,984	17,693	479.51	830	479.51	**1.73**
			2012	3,409,461	17,693	192.70	540	192.70	**2.80**
			2013	-3,682,572	17,693	-208.14	174	-208.14	**-0.84**
			2014	-8,164,854	17,693	-461.47	50	-461.47	**-0.11**
			2015	-12,541,619	17,693	-708.85	50	-708.85	**-0.07**
			2016	-10,081,259	17,693	-569.79	50	-569.79	**-0.09**
			2017	-9,700,279	17,693	-548.26	50	-548.26	**-0.09**
7	BUMI	Bumi Resources Tbk.	2011	10,667,629	20,773	513.53	2,175	513.53	**4.24**
			2012	3,792,088	20,773	182.55	590	182.55	**3.23**
			2013	-3,717,313	20,773	-178.95	300	-178.95	**-1.68**
			2014	-9,116,102	36,627	-248.89	80	-248.89	**-0.32**
			2015	-40,070,352	36,627	-1094.01	50	-1094.01	**-0.05**
			2016	-37,416,234	36,627	-1021.55	278	-1021.55	**-0.27**
			2017	3,879,483	65,377	59.34	270	59.34	**4.55**
8	BYAN	Bayan Resources Tbk.	2011	6,431,520	3,333	1929.65	18,000	1929.65	**9.33**
			2012	6,843,373	3,333	2053.22	8,450	2053.22	**4.12**
			2013	5,519,552	3,333	1656.03	8,500	1656.03	**5.13**

			2014	3,177,797	3,333	953.43	6,650	953.43	**6.97**
			2015	2,523,349	3,333	757.08	7,875	757.08	**10.40**
			2016	2,527,996	3,333	758.47	6,000	758.47	**7.91**
			2017	6,998,949	3,333	2099.89	10,600	2099.89	**5.05**
9	CITA	Cita Mineral Investindo Tbk.	2011	1,020,862	3,371	302.84	315	302.84	**1.04**
			2012	1,134,652	3,371	336.59	315	336.59	**0.94**
			2013	2,098,275	3,371	622.45	390	622.45	**0.63**
			2014	1,644,773	3,371	487.92	940	487.92	**1.93**
			2015	1,292,038	3,371	383.28	940	383.28	**2.45**
			2016	1,142,222	3,371	338.84	900	338.84	**2.66**
			2017	2,678,251	3,371	794.50	710	794.50	**0.89**
10	CTTH	Citatah Tbk.	2011	75,992	1,231	61.73	71	61.73	**1.15**
			2012	78,752	1,231	63.97	58	63.97	**0.91**
			2013	79,236	1,231	64.37	64	64.37	**0.99**
			2014	80,250	1,231	65.19	67	65.19	**1.03**
			2015	288,988	1,231	234.76	56	234.76	**0.24**
			2016	314,955	1,231	255.85	80	255.85	**0.31**
			2017	321,412	1,231	261.10	99	261.10	**0.38**
11	DEWA	Darma Henwa Tbk.	2011	2,845,268	21,854	130.19	78	130.19	**0.60**
			2012	2,645,445	21,854	121.05	50	121.05	**0.41**
			2013	2,725,264	21,854	124.70	50	124.70	**0.40**
			2014	2,765,848	21,854	126.56	50	126.56	**0.40**
			2015	3,294,255	21,854	150.74	50	150.74	**0.33**
			2016	3,024,842	21,854	138.41	50	138.41	**0.36**
			2017	3,082,882	21,854	141.07	50	141.07	**0.35**
12	DOID	Delta Dunia Makmur Tbk.	2011	955,304	8,148	117.24	670	117.24	**5.71**
			2012	865,531	5,612	154.23	415	154.23	**2.69**
			2013	839,438	5,630	149.10	380	149.10	**2.55**
			2014	1,143,262	5,638	202.78	397	202.78	**1.96**
			2015	1,245,846	5,638	220.97	397	220.97	**1.80**
			2016	1,699,235	5,638	301.39	334	301.39	**1.11**
			2017	12,810,737	8,553	1497.81	715	1497.81	**0.48**
13	ELSA	Elnusa Tbk.	2011	1,904,825	7,299	260.97	230	260.97	**0.88**
			2012	2,042,245	7,299	279.80	173	279.80	**0.62**
			2013	2,285,114	7,299	313.07	330	313.07	**1.05**
			2014	2,582,996	7,299	353.88	685	353.88	**1.94**
			2015	2,635,186	7,299	361.03	247	361.03	**0.68**
			2016	2,877,743	7,299	394.27	420	394.27	**1.07**
			2017	3,051,920	7,299	418.13	372	418.13	**0.89**
14	ENRG	Energi Mega Persada Tbk.	2011	6,139,749	40,584	151.28	178	151.28	**1.18**
			2012	6,679,703	40,584	164.59	82	164.59	**0.50**
			2013	10,895,141	44,643	244.05	70	244.05	**0.29**
			2014	11,260,945	44,643	252.24	100	252.24	**0.40**
			2015	5,081,389	49,107	103.48	50	103.48	**0.48**
			2016	-962,977	49,107	-19.61	50	-19.61	**-2.55**
			2017	-759,771	6,138	-123.78	89	-123.78	**-0.72**
15	GTBO	Garda Tujuh Buana Tbk.	2011	327,563	2,500	131.03	580	131.03	**4.43**
			2012	1,269,469	2,500	507.79	3,900	507.79	**7.68**
			2013	898,016	2,500	359.21	1,550	359.21	**4.32**
			2014	852,835	2,500	341.13	363	341.13	**1.06**
			2015	725,877	2,500	290.35	260	290.35	**0.90**
			2016	637,059	2,500	254.82	260	254.82	**1.02**
			2017	642,909	2,500	257.16	169	257.16	**0.66**
16	HRUM	Harum Energy Tbk.	2011	3,556,981	2,700	1317.40	6,850	1317.40	**5.20**
			2012	4,144,943	2,704	1532.89	6,000	1532.89	**3.91**
			2013	4,846,351	2,704	1792.29	2,750	1792.29	**1.53**
			2014	4,501,443	2,704	1664.73	1,660	1664.73	**1.00**
			2015	5,033,649	2,704	1861.56	675	1861.56	**0.36**
			2016	4,775,562	2,704	1766.11	2,140	1766.11	**1.21**
			2017	5,363,121	2,704	1983.40	2,050	1983.40	**1.03**
17	INCO	Vale Indonesia Tbk.	2011	16,042,824	9,936	1614.62	3,200	1614.62	**1.98**
			2012	16,646,267	9,936	1675.35	2,350	1675.35	**1.40**
			2013	21,034,044	9,936	2116.95	2,650	2116.95	**1.25**
			2014	22,202,650	9,936	2234.57	3,625	2234.57	**1.62**
			2015	26,880,308	9,936	2705.35	1,635	2705.35	**0.60**
			2016	24,649,538	9,936	2480.83	2,820	2480.83	**1.14**

			2017	24,648,784	9,936	2480.76	2,890	2480.76	**1.16**
18	ITMG	Indo Tambangraya Megah Tbk.	2011	9,800,731	1,130	8673.21	38,650	8673.21	**4.46**
			2012	9,693,372	1,130	8578.21	41,550	8578.21	**4.84**
			2013	11,826,501	1,130	10465.93	28,500	10465.93	**2.72**
			2014	11,175,288	1,130	9889.64	15,375	9889.64	**1.55**
			2015	12,232,102	1,130	10824.87	5,725	10824.87	**0.53**
			2016	12,192,229	1,130	10789.58	16,875	10789.58	**1.56**
			2017	12,980,867	1,130	11487.49	20,700	11487.49	**1.80**
19	KKGI	Resource Alam Indonesia Tbk.	2011	657,148	1,000	657.15	6,450	657.15	**9.82**
			2012	708,800	1,000	708.80	2,475	708.80	**3.49**
			2013	900,013	1,000	900.01	2,050	900.01	**2.28**
			2014	897,810	1,000	897.81	1,005	897.81	**1.12**
			2015	1,125,088	1,000	1125.09	420	1125.09	**0.37**
			2016	1,134,544	1,000	1134.54	1,500	1134.54	**1.32**
			2017	1,200,622	1,000	1200.62	324	1200.62	**0.27**
20	MEDC	Medco Energi Internasional Tbk.	2011	7,756,286	3,332	2327.82	2,425	2327.82	**1.04**
			2012	8,153,978	3,332	2447.17	1,630	2447.17	**0.67**
			2013	11,003,201	3,332	3302.28	2,100	3302.28	**0.64**
			2014	11,445,084	3,332	3434.90	3,800	3434.90	**1.11**
			2015	10,283,261	3,332	3086.21	795	3086.21	**0.26**
			2016	11,964,877	3,332	3590.90	1,320	3590.90	**0.37**
			2017	19,003,401	16,301	1165.78	890	1165.78	**0.76**
21	MITI	Mitra Investindo Tbk.	2011	62,806	2,566	24.48	51	24.48	**2.08**
			2012	94,810	2,566	36.95	83	36.95	**2.25**
			2013	111,564	2,566	43.48	75	43.48	**1.73**
			2014	273,780	1,283	213.39	185	213.39	**0.87**
			2015	110,914	1,283	86.45	124	86.45	**1.43**
			2016	110,914	1,283	86.45	61	86.45	**0.71**
			2017	82,975	1,412	58.76	50	58.76	**0.85**
22	PKPK	Perdana Karya Perkasa Tbk.	2011	189,686	600	316.14	182	316.14	**0.58**
			2012	174,722	600	291.20	225	291.20	**0.77**
			2013	175,158	600	291.93	86	291.93	**0.29**
			2014	146,735	600	244.56	88	244.56	**0.36**
			2015	83,515	600	139.19	50	139.19	**0.36**
			2016	69,785	600	116.31	50	116.31	**0.43**
			2017	59,323	600	98.87	67	98.87	**0.68**
23	PTBA	Bukit Asam Tbk.	2011	8,165,002	2,304	3543.84	17,350	3543.84	**4.90**
			2012	8,505,169	2,304	3691.48	15,100	3691.48	**4.09**
			2013	7,551,569	2,304	3277.59	10,200	3277.59	**3.11**
			2014	8,670,842	2,304	3763.39	12,500	3763.39	**3.32**
			2015	9,287,547	2,304	4031.05	4,525	4031.05	**1.12**
			2016	10,552,405	2,304	4580.04	12,500	4580.04	**2.73**
			2017	13,799,985	11,521	1197.81	2,460	1197.81	**2.05**
24	PTRO	Petrosea Tbk.	2011	1,443,916	101	14296.20	33,200	14296.20	**2.32**
			2012	1,811,094	1,009	1794.94	1,320	1794.94	**0.74**
			2013	2,424,258	1,009	2402.63	1,150	2402.63	**0.48**
			2014	2,397,997	1,009	2376.61	925	2376.61	**0.39**
			2015	2,613,006	1,009	2589.70	290	2589.70	**0.11**
			2016	2,290,153	1,009	2269.73	720	2269.73	**0.32**
			2017	2,418,792	1,009	2397.22	1,660	2397.22	**0.69**
25	RUIS	Radiant Utama Interinsco Tbk.	2011	211,863	770	275.15	220	275.15	**0.80**
			2012	237,936	770	309.01	195	309.01	**0.63**
			2013	261,898	770	340.13	192	340.13	**0.56**
			2014	310,583	770	403.35	217	403.35	**0.54**
			2015	338,413	770	439.50	215	439.50	**0.49**
			2016	359,719	770	467.17	236	467.17	**0.51**
			2017	380,289	770	493.88	232	493.88	**0.47**
26	TINS	Timah Tbk.	2011	4,597,795	5,033	913.53	1,670	913.53	**1.83**
			2012	4,558,200	5,033	905.66	1,540	905.66	**1.70**
			2013	4,892,111	5,033	972.01	1,600	972.01	**1.65**
			2014	5,608,242	7,448	752.99	1,230	752.99	**1.63**
			2015	5,371,068	7,448	721.14	505	721.14	**0.70**
			2016	5,656,685	7,448	759.49	1,075	759.49	**1.42**
			2017	6,061,493	7,448	813.84	775	813.84	**0.95**