

DAFTAR LAMPIRAN

Lapiran- 1 Log Bimbingan Skripsi Bab 1-5

9/15/2020



Print Log Bimbingan Skripsi

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Log Bimbingan Skripsi

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NPK : A.2018.4.34516

Nama Dosen : DR.Drs.AMINUL AMIN, MM, CPA, CTA

NIK : 202.710.169

No.	Tahap	Tanggal	Keterangan	Juni 2020
1	1	08-06-2020	Bab 1: Revisi permasalahan penelitian lebih dipertajam dalam suatu pernyataan dan didukung jurnal dan fenomena yang ada Bab 2: Revisi kerangka konsep penelitian, tabel review jurnal, hipotesis Bab 3: Revisi prosedur analisis	

No.	Tahap	Tanggal	Keterangan	Agustus 2020
2	2	11-08-2020	Bab 4. Data diperiksa ulang pengukurannya dan dianalisis ulang. Hasil penelitian dicek ulang. Pembahasan diperluas terutama hasil-hasil yang bertentangan dengan hipotesis dicari argumentasinya berdasarkan teori, riset terdahulu, dan fenomena yang ada. Bab 5. Menyesuaikan dengan hasil analisis ulang	

Keterangan: Tahap 1 (Bab 1-3) dan Tahap 2 (Bab 4-5)

202.155.107.24/~abm/pdf/PrintLogBimbinganSkripsi.php?npk=A.2018.4.34516&nik=202.710.169&key=b78c7dc

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Lapiran- 2 Tabel Kinerja Lingkungan

NO	NAMA PERUSAHAAN	KODE	2016	SKOR	2017	SKOR	2018	SKOR	2019	SKOR
1	Indocement Tunggul Prakasa Tbk	INTP	HIJAU	4	BIRU	3	BIRU	3	HIJAU	4
2	Astra International Tbk	ASII	BIRU	3	BIRU	3	BIRU	3	HIJAU	4
3	Unilever Indonesia Tbk	UNVR	HIJAU	4	BIRU	3	BIRU	3	BIRU	3
4	Aneka Tambang Tbk.	ANTM	HIJAU	4	EMAS	4	HIJAU	4	HIJAU	4
5	Bumi Resources Tbk.	BUMI	HIJAU	4	BIRU	3	HIJAU	4	HIJAU	4
6	Vale Indonesia Tbk.	INCO	BIRU	3	BIRU	3	BIRU	3	HIJAU	4
7	Indika Energy Tbk.	INDY	HIJAU	4	HIJAU	4	HIJAU	4	EMAS	5
8	Indo Tambangraya Megah Tbk.	ITMG	HIJAU	4	BIRU	3	BIRU	3	HIJAU	4
9	Bukit Asam Tbk.	PTBA	EMAS	5	EMAS	5	EMAS	5	EMAS	5
10	Petrosea Tbk.	PTRO	HIJAU	4	HIJAU	4	HIJAU	4	BIRU	3

Lapiran- 3 Tabel Biaya Lingkungan

KODE	TAHUN	COST		PROFIT		COST/ PROFIT	
INTP	2016	Rp	18.300.000.000	Rp	3.870.000.000.000	Rp	0,00472868217
	2017	Rp	86.500.000.000	Rp	1.860.000.000.000	Rp	0,04650537634
	2018	Rp	23.300.000.000	Rp	1.146.000.000.000	Rp	0,02033158813
	2019	Rp	21.300.000.000	Rp	1.146.000.000.000	Rp	0,01858638743
ASII	2016	Rp	114.903.000.000	Rp	9.200.000.000.000	Rp	0,01248945652
	2017	Rp	336.000.000.000	Rp	8.900.000.000.000	Rp	0,03775280899
	2018	Rp	333.000.000.000	Rp	8.500.000.000.000	Rp	0,03917647059
	2019	Rp	7.900.000.000	Rp	1.500.000.000.000	Rp	0,00526666667
UNVR	2016	Rp	39.759.430	Rp	5.957.507.000.000	Rp	0,00000667384
	2017	Rp	40.838.049	Rp	7.000.000.000.000	Rp	0,00000583401
	2018	Rp	39.674.078	Rp	9.100.000.000.000	Rp	0,00000435979
	2019	Rp	3.850.000.000	Rp	7.400.000.000.000	Rp	0,00052027027
ANTM	2016	Rp	57.070.000.000	Rp	64.810.000.000	Rp	0,88057398550
	2017	Rp	108.090.000.000	Rp	136.000.000.000	Rp	0,79477941176
	2018	Rp	253.216.000.000	Rp	874.000.000.000	Rp	0,28972082380

	2019	Rp 141.730.000.000	Rp 193.850.000.000	Rp 0,73113231880
BUMI	2016	Rp 66.542.083.989	Rp 1.726.479.435.000	Rp 0,03854206580
	2017	Rp 78.358.917.000	Rp 3.484.532.060.000	Rp 0,02248764415
	2018	Rp 97.589.860.000	Rp 2.270.686.419.000	Rp 0,04297813172
	2019	Rp 97.560.000.000	Rp 1.488.258.810.000	Rp 0,06555311438
INCO	2016	Rp 17.500.000.000	Rp 478.046.799.500	Rp 0,03660729455
	2017	Rp 239.669.215.000	-Rp 219.160.992.950	-Rp 1,09357605920
	2018	Rp 308.556.175.000	Rp 923.659.322.000	Rp 0,33405842138
	2019	Rp 25.972.650.000	Rp 828.078.230.000	Rp 0,03136497140
INDY	2016	Rp 2.008.571.536	Rp 4.615.902.171.027	Rp 0,00043514170
	2017	Rp 49.450.549.451	Rp 3.976.786.795.000	Rp 0,01243480025
	2018	Rp 58.500.000.000	Rp 3.732.812.145.000	Rp 0,01567183071
	2019	Rp 59.500.000.000	Rp 61.928.815.000	Rp 0,96078053488
ITMG	2016	Rp 179.393.125.000	Rp 1.880.039.950.000	Rp 0,09541984733
	2017	Rp 153.560.515.000	Rp 3.626.611.415.000	Rp 0,04234269885
	2018	Rp 378.878.280.000	Rp 3.771.675.871.600	Rp 0,10045356306
	2019	Rp 24.700.000.000	Rp 24.448.635.000.000	Rp 0,00101028135
PTBA	2016	Rp 155.629.770.992	Rp 4.476.444.000.000	Rp 0,03476638399
	2017	Rp 326.200.000.000	Rp 4.480.000.000.000	Rp 0,07281250000
	2018	Rp 298.700.000.000	Rp 5.020.000.000.000	Rp 0,05950199203
	2019	Rp 40.360.000.000	Rp 5.000.000.000.000	Rp 0,00807200000
PTRO	2016	Rp 1.244.238.710	Rp 3.358.239.300	Rp 0,37050329017
	2017	Rp 518.515.000	Rp 119.260.549.500	Rp 0,00434774955
	2018	Rp 5.001.240.000	Rp 332.523.096.500	Rp 0,01504027856
	2019	Rp 2.902.904.016	Rp 451.150.506.000	Rp 0,00643444699

Lapiran- 4 Tabel CSR

NO	1							
	Indocement Tunggal Prakasa Tbk							
	2016	GRI-G4	2017	GRI-STD	2018	GRI-STD	2019	GRI-STD
1	1	EC1	1	103-1	1	103-1	1	103-1
2	0	EC2	1	103-2	1	103-2	1	103-2
3	0	EC3	1	103-3	1	103-3	1	103-3
4	0	EC4	1	201-1	1	201-1	1	201-1
5	0	EC5	0	201-2	0	201-2	0	201-2

6	0	EC6	0	201-3	0	201-3	0	201-3
7	0	EC7	0	201-4	0	201-4	0	201-4
8	1	EC8	0	202-1	0	202-1	0	202-1
9	0	EC9	0	202-2	0	202-2	0	202-2
10	0	EN1	0	203-1	0	203-1	0	203-1
11	0	EN2	0	203-2	0	203-2	0	203-2
12	0	EN3	0	204-1	0	204-1	0	204-1
13	0	EN4	0	205-1	0	205-1	0	205-1
14	1	EN5	0	205-2	0	205-2	0	205-2
15	0	EN6	0	205-3	0	205-3	0	205-3
16	0	EN7	0	206-1	0	206-1	0	206-1
17	0	EN8	0	301-1	0	301-1	0	301-1
18	0	EN9	0	301-2	0	301-2	0	301-2
19	0	EN10	0	301-3	0	301-3	0	301-3
20	1	EN11	1	302-1	1	302-1	1	302-1
21	0	EN12	1	302-2	1	302-2	1	302-2
22	0	EN13	1	302-3	1	302-3	1	302-3
23	1	EN14	0	302-4	0	302-4	0	302-4
24	0	EN15	0	302-5	0	302-5	0	302-5
25	0	EN16	0	303-1	0	303-1	0	303-1
26	0	EN17	0	303-2	0	303-2	0	303-2
27	1	EN18	0	303-3	0	303-3	0	303-3
28	0	EN19	0	304-1	0	304-1	0	304-1
29	0	EN20	0	304-2	0	304-2	0	304-2
30	0	EN21	0	304-3	0	304-3	0	304-3
31	0	EN22	1	304-4	1	304-4	1	304-4
32	0	EN23	0	305-1	0	305-1	0	305-1
33	1	EN24	0	305-2	0	305-2	0	305-2
34	0	EN25	0	305-3	0	305-3	0	305-3
35	0	EN26	1	305-4	1	305-4	1	305-4
36	1	EN27	1	305-5	1	305-5	1	305-5
37	0	EN28	0	305-6	0	305-6	0	305-6
38	0	EN29	1	305-7	1	305-7	1	305-7
39	0	EN30	0	306-1	0	306-1	0	306-1
40	0	EN31	1	306-2	1	306-2	1	306-2
41	0	EN32	0	306-3	0	306-3	0	306-3
42	0	EN33	0	306-4	0	306-4	0	306-4

43	0	EN34	0	306-5	0	306-5	0	306-5
44	0	LA1	0	307-1	0	307-1	0	307-1
45	0	LA2	0	308-1	0	308-1	0	308-1
46	0	LA3	0	308-2	0	308-2	0	308-2
47	0	LA4	0	401-1	1	401-1	1	401-1
48	1	LA5	0	401-2	0	401-2	0	401-2
49	0	LA6	0	401-3	0	401-3	0	401-3
50	1	LA7	0	402-1	0	402-1	0	402-1
51	0	LA8	1	403-1	1	403-1	1	403-1
52	0	LA9	1	403-2	1	403-2	1	403-2
53	0	LA10	1	403-3	1	403-3	0	403-3
54	0	LA11	0	403-4	0	403-4	0	403-4
55	0	LA12	0	404-1	0	404-1	0	404-1
56	0	LA13	0	404-2	0	404-2	0	404-2
57	0	LA14	0	404-3	0	404-3	0	404-3
58	0	LA15	0	405-1	0	405-1	0	405-1
59	0	LA16	0	405-2	0	405-2	0	405-2
60	0	HR1	0	406-1	0	406-1	0	406-1
61	0	HR2	0	408-1	0	408-1	0	408-1
62	0	HR3	0	409-1	0	409-1	0	409-1
63	0	HR4	0	410-1	0	410-1	0	410-1
64	0	HR5	0	411-1	0	411-1	0	411-1
65	0	HR6	0	412-1	0	412-1	0	412-1
66	0	HR7	0	412-2	0	412-2	0	412-2
67	0	HR8	0	412-3	0	412-3	0	412-3
68	0	HR9	1	413-1	1	413-1	1	413-1
69	0	HR10	0	413-2	0	413-2	0	413-2
70	0	HR11	0	414-1	0	414-1	0	414-1
71	0	HR12	0	414-2	0	414-2	0	414-2
72	0	SO1	0	415-1	0	415-1	0	415-1
73	1	SO2	1	416-1	0	416-1	0	416-1
74	0	SO3	0	416-2	0	416-2	0	416-2
75	0	SO4	0	417-1	0	417-1	0	417-1
76	0	SO5	0	417-2	0	417-2	0	417-2
77	0	SO6	0	417-3	0	417-3	0	417-3
78	0	SO7	0	418-1	0	418-1	0	418-1
79	0	SO8	0	419-1	0	419-1	0	419-1
80	0	SO9						

81	0	SO10						
82	0	SO11						
83	0	PR1						
84	1	PR2						
85	0	PR3						
86	0	PR4						
87	0	PR5						
88	0	PR6						
89	0	PR7						
90	0	PR8						
91	0	PR9						
JUMLAH	12		17		17		16	
TOTAL	0,13186813		0,215		0,21519		0,202532	

2							
Astra International Tbk							
2016	GRI-G4	2017	GRI-STD	2018	GRI-STD	2019	GRI-STD
1	EC1	0	103-1	0	103-1	1	103-1
0	EC2	0	103-2	0	103-2	1	103-2
0	EC3	0	103-3	0	103-3	1	103-3
0	EC4	1	201-1	1	201-1	1	201-1
0	EC5	0	201-2	0	201-2	0	201-2
0	EC6	0	201-3	0	201-3	0	201-3
1	EC7	0	201-4	0	201-4	0	201-4
1	EC8	0	202-1	0	202-1	0	202-1
0	EC9	0	202-2	0	202-2	0	202-2
1	EN1	1	203-1	1	203-1	1	203-1
0	EN2	1	203-2	1	203-2	1	203-2
1	EN3	0	204-1	0	204-1	0	204-1
0	EN4	0	205-1	0	205-1	0	205-1
1	EN5	0	205-2	0	205-2	0	205-2
0	EN6	0	205-3	0	205-3	0	205-3
0	EN7	0	206-1	0	206-1	0	206-1
1	EN8	1	301-1	1	301-1	1	301-1
0	EN9	0	301-2	0	301-2	0	301-2
0	EN10	0	301-3	0	301-3	0	301-3
0	EN11	1	302-1	1	302-1	1	302-1

0	EN12	0	302-2	0	302-2	0	302-2
1	EN13	1	302-3	1	302-3	1	302-3
0	EN14	1	302-4	1	302-4	1	302-4
1	EN15	0	302-5	0	302-5	1	302-5
0	EN16	1	303-1	1	303-1	1	303-1
0	EN17	0	303-2	0	303-2	0	303-2
0	EN18	0	303-3	0	303-3	0	303-3
1	EN19	0	304-1	0	304-1	0	304-1
0	EN20	0	304-2	0	304-2	0	304-2
0	EN21	1	304-3	1	304-3	1	304-3
0	EN22	0	304-4	0	304-4	0	304-4
1	EN23	0	305-1	0	305-1	0	305-1
0	EN24	0	305-2	0	305-2	0	305-2
1	EN25	0	305-3	0	305-3	0	305-3
0	EN26	1	305-4	0	305-4	0	305-4
1	EN27	1	305-5	1	305-5	1	305-5
0	EN28	0	305-6	0	305-6	0	305-6
1	EN29	0	305-7	0	305-7	0	305-7
0	EN30	0	306-1	0	306-1	0	306-1
0	EN31	1	306-2	1	306-2	1	306-2
1	EN32	0	306-3	0	306-3	0	306-3
0	EN33	0	306-4	0	306-4	0	306-4
0	EN34	0	306-5	0	306-5	0	306-5
0	LA1	1	307-1	1	307-1	1	307-1
1	LA2	1	308-1	1	308-1	1	308-1
0	LA3	0	308-2	0	308-2	0	308-2
0	LA4	0	401-1	0	401-1	0	401-1
0	LA5	1	401-2	1	401-2	1	401-2
1	LA6	0	401-3	0	401-3	0	401-3
0	LA7	0	402-1	0	402-1	0	402-1
0	LA8	0	403-1	0	403-1	0	403-1
0	LA9	1	403-2	1	403-2	1	403-2
1	LA10	0	403-3	0	403-3	0	403-3
1	LA11	0	403-4	0	403-4	0	403-4
0	LA12	0	404-1	0	404-1	0	404-1
0	LA13	1	404-2	1	404-2	1	404-2
1	LA14	1	404-3	1	404-3	1	404-3
0	LA15	0	405-1	0	405-1	0	405-1

0	LA16	0	405-2	0	405-2	0	405-2
0	HR1	0	406-1	0	406-1	0	406-1
0	HR2	0	408-1	0	408-1	0	408-1
0	HR3	0	409-1	0	409-1	0	409-1
0	HR4	0	410-1	0	410-1	0	410-1
0	HR5	0	411-1	0	411-1	0	411-1
0	HR6	0	412-1	0	412-1	0	412-1
0	HR7	0	412-2	0	412-2	0	412-2
0	HR8	0	412-3	0	412-3	0	412-3
0	HR9	1	413-1	1	413-1	1	413-1
0	HR10	0	413-2	0	413-2	0	413-2
0	HR11	1	414-1	1	414-1	1	414-1
0	HR12	0	414-2	0	414-2	0	414-2
1	SO1	0	415-1	0	415-1	0	415-1
0	SO2	0	416-1	0	416-1	0	416-1
0	SO3	0	416-2	0	416-2	0	416-2
0	SO4	0	417-1	0	417-1	0	417-1
0	SO5	1	417-2	1	417-2	1	417-2
0	SO6	0	417-3	0	417-3	0	417-3
0	SO7	0	418-1	0	418-1	0	418-1
0	SO8	1	419-1	1	419-1	1	419-1
0	SO9						
0	SO10						
0	SO11						
1	PR1						
0	PR2						
0	PR3						
0	PR4						
1	PR5						
0	PR6						
1	PR7						
0	PR8						
0	PR9						
24		22		21		25	
0,2637363		0,278481		0,2658228		0,3164557	

3							
Unilever Indonesia Tbk							
2016	GRI-G4	2017	GRI-STD	2018	GRI-STD	2019	GRI-STD
1	EC1	1	103-1	1	103-1	1	103-1
0	EC2	1	103-2	1	103-2	1	103-2
0	EC3	1	103-3	1	103-3	1	103-3
0	EC4	1	201-1	1	201-1	1	201-1
0	EC5	0	201-2	0	201-2	0	201-2
0	EC6	0	201-3	0	201-3	0	201-3
0	EC7	0	201-4	0	201-4	0	201-4
1	EC8	0	202-1	0	202-1	0	202-1
0	EC9	0	202-2	0	202-2	0	202-2
0	EN1	0	203-1	0	203-1	0	203-1
0	EN2	1	203-2	1	203-2	1	203-2
0	EN3	0	204-1	0	204-1	0	204-1
0	EN4	1	205-1	1	205-1	1	205-1
1	EN5	0	205-2	0	205-2	0	205-2
0	EN6	0	205-3	0	205-3	0	205-3
0	EN7	0	206-1	0	206-1	0	206-1
1	EN8	0	301-1	0	301-1	0	301-1
0	EN9	0	301-2	0	301-2	0	301-2
0	EN10	0	301-3	0	301-3	0	301-3
0	EN11	1	302-1	1	302-1	1	302-1
0	EN12	0	302-2	0	302-2	0	302-2
0	EN13	1	302-3	1	302-3	1	302-3
0	EN14	0	302-4	0	302-4	0	302-4
0	EN15	0	302-5	0	302-5	0	302-5
1	EN16	1	303-1	0	303-1	1	303-1
0	EN17	0	303-2	0	303-2	0	303-2
1	EN18	0	303-3	1	303-3	0	303-3
0	EN19	0	304-1	0	304-1	0	304-1
0	EN20	0	304-2	0	304-2	0	304-2
0	EN21	0	304-3	0	304-3	0	304-3

1	EN22	0	304-4	0	304-4	0	304-4
1	EN23	0	305-1	0	305-1	0	305-1
0	EN24	1	305-2	1	305-2	1	305-2
0	EN25	0	305-3	0	305-3	0	305-3
0	EN26	1	305-4	1	305-4	1	305-4
0	EN27	0	305-5	0	305-5	0	305-5
0	EN28	0	305-6	0	305-6	0	305-6
0	EN29	0	305-7	0	305-7	0	305-7
0	EN30	1	306-1	1	306-1	1	306-1
0	EN31	1	306-2	1	306-2	1	306-2
0	EN32	0	306-3	0	306-3	0	306-3
0	EN33	0	306-4	0	306-4	0	306-4
0	EN34	0	306-5	0	306-5	0	306-5
1	LA1	0	307-1	0	307-1	0	307-1
0	LA2	0	308-1	0	308-1	0	308-1
0	LA3	0	308-2	0	308-2	0	308-2
0	LA4	1	401-1	1	401-1	1	401-1
0	LA5	0	401-2	0	401-2	0	401-2
1	LA6	0	401-3	0	401-3	0	401-3
0	LA7	0	402-1	0	402-1	0	402-1
0	LA8	0	403-1	1	403-1	0	403-1
1	LA9	1	403-2	0	403-2	1	403-2
0	LA10	0	403-3	1	403-3	0	403-3
0	LA11	0	403-4	1	403-4	0	403-4
1	LA12	1	404-1	1	404-1	0	404-1
0	LA13	0	404-2	0	404-2	1	404-2
0	LA14	0	404-3	0	404-3	0	404-3
0	LA15	1	405-1	1	405-1	1	405-1
0	LA16	0	405-2	0	405-2	0	405-2
0	HR1	1	406-1	1	406-1	1	406-1
0	HR2	0	408-1	0	408-1	0	408-1
1	HR3	0	409-1	0	409-1	0	409-1
0	HR4	0	410-1	0	410-1	0	410-1
0	HR5	0	411-1	0	411-1	0	411-1
0	HR6	1	412-1	1	412-1	1	412-1
0	HR7	0	412-2	0	412-2	0	412-2
0	HR8	0	412-3	0	412-3	0	412-3
0	HR9	1	413-1	1	413-1	1	413-1

0	HR10	0	413-2	0	413-2	0	413-2
0	HR11	0	414-1	0	414-1	0	414-1
0	HR12	0	414-2	0	414-2	0	414-2
1	SO1	0	415-1	0	415-1	0	415-1
0	SO2	0	416-1	0	416-1	0	416-1
0	SO3	0	416-2	0	416-2	0	416-2
1	SO4	0	417-1	1	417-1	1	417-1
0	SO5	1	417-2	0	417-2	0	417-2
0	SO6	0	417-3	0	417-3	0	417-3
0	SO7	0	418-1	0	418-1	0	418-1
0	SO8	0	419-1	0	419-1	0	419-1
0	SO9						
0	SO10						
0	SO11						
0	PR1						
0	PR2						
0	PR3						
0	PR4						
1	PR5						
0	PR6						
0	PR7						
0	PR8						
0	PR9						
16		21		23		21	
0,1758242		0,2658228		0,2911392		0,2658228	

4							
Aneka Tambang Tbk.							
2016	GRI-G4	2017	GRI-STD	2018	GRI-STD	2019	GRI-STD
1	EC1	1	103-1	1	103-1	1	103-1
1	EC2	1	103-2	1	103-2	1	103-2
0	EC3	1	103-3	1	103-3	1	103-3
0	EC4	1	201-1	1	201-1	1	201-1
0	EC5	0	201-2	0	201-2	0	201-2
0	EC6	0	201-3	0	201-3	0	201-3
1	EC7	0	201-4	0	201-4	0	201-4
1	EC8	0	202-1	0	202-1	0	202-1

0	EC9	0	202-2	0	202-2	0	202-2
0	EN1	1	203-1	1	203-1	1	203-1
0	EN2	1	203-2	0	203-2	0	203-2
1	EN3	0	204-1	0	204-1	0	204-1
0	EN4	0	205-1	0	205-1	0	205-1
1	EN5	1	205-2	1	205-2	1	205-2
0	EN6	0	205-3	0	205-3	0	205-3
0	EN7	0	206-1	0	206-1	0	206-1
1	EN8	0	301-1	0	301-1	0	301-1
0	EN9	0	301-2	0	301-2	0	301-2
1	EN10	0	301-3	0	301-3	0	301-3
1	EN11	1	302-1	1	302-1	1	302-1
1	EN12	0	302-2	0	302-2	0	302-2
1	EN13	1	302-3	1	302-3	1	302-3
1	EN14	0	302-4	0	302-4	0	302-4
1	EN15	0	302-5	0	302-5	0	302-5
1	EN16	1	303-1	1	303-1	1	303-1
0	EN17	0	303-2	0	303-2	0	303-2
1	EN18	1	303-3	1	303-3	1	303-3
1	EN19	1	304-1	1	304-1	1	304-1
0	EN20	0	304-2	0	304-2	0	304-2
0	EN21	1	304-3	1	304-3	1	304-3
1	EN22	1	304-4	0	304-4	0	304-4
1	EN23	1	305-1	1	305-1	1	305-1
0	EN24	1	305-2	0	305-2	0	305-2
0	EN25	0	305-3	0	305-3	0	305-3
0	EN26	1	305-4	1	305-4	1	305-4
0	EN27	1	305-5	1	305-5	1	305-5
0	EN28	0	305-6	0	305-6	0	305-6
1	EN29	1	305-7	1	305-7	1	305-7
0	EN30	1	306-1	1	306-1	1	306-1
0	EN31	1	306-2	1	306-2	1	306-2
0	EN32	1	306-3	1	306-3	1	306-3
0	EN33	0	306-4	0	306-4	0	306-4
0	EN34	0	306-5	0	306-5	0	306-5
1	LA1	1	307-1	1	307-1	1	307-1
1	LA2	1	308-1	1	308-1	1	308-1

0	LA3	0	308-2	0	308-2	0	308-2
1	LA4	1	401-1	1	401-1	1	401-1
1	LA5	1	401-2	1	401-2	1	401-2
1	LA6	0	401-3	0	401-3	0	401-3
1	LA7	0	402-1	0	402-1	0	402-1
1	LA8	1	403-1	1	403-1	1	403-1
1	LA9	1	403-2	1	403-2	1	403-2
1	LA10	1	403-3	1	403-3	1	403-3
1	LA11	1	403-4	1	403-4	1	403-4
0	LA12	1	404-1	1	404-1	1	404-1
0	LA13	1	404-2	1	404-2	1	404-2
0	LA14	1	404-3	1	404-3	1	404-3
0	LA15	1	405-1	1	405-1	1	405-1
1	LA16	1	405-2	1	405-2	1	405-2
0	HR1	1	406-1	1	406-1	1	406-1
0	HR2	0	408-1	0	408-1	0	408-1
0	HR3	0	409-1	0	409-1	0	409-1
0	HR4	0	410-1	0	410-1	0	410-1
0	HR5	0	411-1	0	411-1	1	411-1
0	HR6	0	412-1	0	412-1		412-1
0	HR7	0	412-2	0	412-2	0	412-2
0	HR8	0	412-3	0	412-3	0	412-3
0	HR9	1	413-1	1	413-1	1	413-1
0	HR10	0	413-2	0	413-2	0	413-2
0	HR11	1	414-1	1	414-1	1	414-1
0	HR12	0	414-2	0	414-2	0	414-2
1	SO1	0	415-1	0	415-1	0	415-1
0	SO2	0	416-1	0	416-1	0	416-1
0	SO3	0	416-2	0	416-2	0	416-2
0	SO4	1	417-1	1	417-1	1	417-1
1	SO5	0	417-2	0	417-2	0	417-2
0	SO6	0	417-3	0	417-3	0	417-3
0	SO7	0	418-1	0	418-1	0	418-1
0	SO8	0	419-1	0	419-1	0	419-1
0	SO9						
0	SO10						
0	SO11						
0	PR1						

0	PR2						
0	PR3						
0	PR4						
0	PR5						
0	PR6						
0	PR7						
0	PR8						
0	PR9						
32		39		36		37	
0,3516484		0,4936709		0,4556962		0,468354	

5							
Bumi Resources Tbk.							
2016	GRI-G4	2017	GRI-G4	2018	GRI-STD	2019	GRI-STD
1	EC1	0	EC1	1	103-1	1	103-1
1	EC2	0	EC2	1	103-2	1	103-2
0	EC3	0	EC3	1	103-3	1	103-3
0	EC4	0	EC4	1	201-1	1	201-1
1	EC5	0	EC5	0	201-2	0	201-2
1	EC6	0	EC6	0	201-3	0	201-3
1	EC7	1	EC7	1	201-4	1	201-4
1	EC8	1	EC8	0	202-1	0	202-1
1	EC9	0	EC9	0	202-2	0	202-2
1	EN1	0	EN1	1	203-1	1	203-1
1	EN2	0	EN2	1	203-2	1	203-2
1	EN3	1	EN3	0	204-1	0	204-1
0	EN4	0	EN4	0	205-1	0	205-1
0	EN5	0	EN5	0	205-2	0	205-2
1	EN6	0	EN6	0	205-3	0	205-3
0	EN7	0	EN7	0	206-1	0	206-1
1	EN8	1	EN8	0	301-1	0	301-1
0	EN9	0	EN9	0	301-2	0	301-2
0	EN10	0	EN10	0	301-3	0	301-3
1	EN11	0	EN11	1	302-1	1	302-1
0	EN12	0	EN12	0	302-2	0	302-2
1	EN13	1	EN13	1	302-3	1	302-3
0	EN14	0	EN14	1	302-4	1	302-4

0	EN15	0	EN15	0	302-5	0	302-5
0	EN16	0	EN16	0	303-1	0	303-1
0	EN17	0	EN17	0	303-2	0	303-2
0	EN18	0	EN18	0	303-3	0	303-3
0	EN19	0	EN19	1	304-1	1	304-1
0	EN20	0	EN20	0	304-2	0	304-2
1	EN21	0	EN21	1	304-3	1	304-3
0	EN22	0	EN22	0	304-4	0	304-4
1	EN23	1	EN23	1	305-1	1	305-1
1	EN24	0	EN24	0	305-2	0	305-2
0	EN25	0	EN25	0	305-3	0	305-3
0	EN26	0	EN26	1	305-4	1	305-4
0	EN27	0	EN27	0	305-5	0	305-5
0	EN28	0	EN28	0	305-6	0	305-6
1	EN29	1	EN29	0	305-7	0	305-7
0	EN30	0	EN30	0	306-1	0	306-1
1	EN31	1	EN31	0	306-2	0	306-2
0	EN32	0	EN32	0	306-3	0	306-3
0	EN33	0	EN33	0	306-4	0	306-4
1	EN34	0	EN34	0	306-5	0	306-5
1	LA1	1	LA1	1	307-1	1	307-1
1	LA2	1	LA2	1	308-1	1	308-1
1	LA3	0	LA3	0	308-2	0	308-2
1	LA4	1	LA4	1	401-1	1	401-1
0	LA5	0	LA5	1	401-2	1	401-2
1	LA6	0	LA6	1	401-3	1	401-3
1	LA7	0	LA7	1	402-1	1	402-1
1	LA8	0	LA8	1	403-1	1	403-1
1	LA9	1	LA9	0	403-2	0	403-2
1	LA10	1	LA10	1	403-3	1	403-3
1	LA11	1	LA11	1	403-4	1	403-4
0	LA12	0	LA12	0	404-1	0	404-1
1	LA13	0	LA13	1	404-2	1	404-2
0	LA14	0	LA14	1	404-3	1	404-3
0	LA15	0	LA15	0	405-1	0	405-1
1	LA16	0	LA16	0	405-2	0	405-2
1	HR1	0	HR1	0	406-1	0	406-1
1	HR2	0	HR2	0	408-1	0	408-1

1	HR3	1	HR3	0	409-1	0	409-1
1	HR4	0	HR4	0	410-1	0	410-1
1	HR5	0	HR5	0	411-1	0	411-1
1	HR6	0	HR6	0	412-1	1	412-1
0	HR7	0	HR7	0	412-2	0	412-2
1	HR8	0	HR8	1	412-3	1	412-3
0	HR9	0	HR9	0	413-1	0	413-1
0	HR10	0	HR10	0	413-2	0	413-2
0	HR11	0	HR11	1	414-1	1	414-1
0	HR12	0	HR12	0	414-2	0	414-2
1	SO1	1	SO1	0	415-1	0	415-1
1	SO2	0	SO2	0	416-1	0	416-1
0	SO3	0	SO3	1	416-2	1	416-2
1	SO4	0	SO4	1	417-1	1	417-1
1	SO5	1	SO5	1	417-2	1	417-2
0	SO6	0	SO6	1	417-3	1	417-3
1	SO7	0	SO7	1	418-1	1	418-1
1	SO8	0	SO8	1	419-1	1	419-1
0	SO9	0	SO9				
0	SO10	0	SO10				
1	SO11	0	SO11				
0	PR1	0	PR1				
1	PR2	1	PR2				
0	PR3	0	PR3				
0	PR4	1	PR4				
1	PR5	0	PR5				
0	PR6	0	PR6				
1	PR7	0	PR7				
1	PR8	1	PR8				
1	PR9	1	PR9				
51		21		33		34	
0,56044		0,2307692		0,41772		0,43038	

6							
Vale Indonesia Tbk.							
2016	GRI-G4	2017	GRI-STD	2018	GRI-STD	2019	GRI-STD
1	EC1	1	103-1	1	103-1	1	103-1

1	EC2	1	103-2	1	103-2	1	103-2
1	EC3	1	103-3	1	103-3	1	103-3
1	EC4	1	201-1	1	201-1	1	201-1
1	EC5	1	201-2	1	201-2	0	201-2
1	EC6	0	201-3	0	201-3	0	201-3
1	EC7	0	201-4	0	201-4	1	201-4
1	EC8	1	202-1	0	202-1	1	202-1
1	EC9	1	202-2	0	202-2	0	202-2
1	EN1	1	203-1	1	203-1	0	203-1
1	EN2	1	203-2	1	203-2	0	203-2
1	EN3	1	204-1	0	204-1	0	204-1
1	EN4	1	205-1	1	205-1	1	205-1
1	EN5	1	205-2	1	205-2	1	205-2
1	EN6	1	205-3	1	205-3	1	205-3
1	EN7	1	206-1	1	206-1	0	206-1
1	EN8	0	301-1	0	301-1	0	301-1
1	EN9	0	301-2	0	301-2	0	301-2
1	EN10	0	301-3	0	301-3	0	301-3
1	EN11	0	302-1	0	302-1	1	302-1
1	EN12	0	302-2	1	302-2	0	302-2
1	EN13	0	302-3	0	302-3	1	302-3
1	EN14	0	302-4	0	302-4	0	302-4
1	EN15	0s	302-5	0	302-5	0	302-5
1	EN16	1	303-1	1	303-1	0	303-1
1	EN17	1	303-2	1	303-2	0	303-2
1	EN18	1	303-3	1	303-3	0	303-3
1	EN19	1	304-1	1	304-1	1	304-1
1	EN20	1	304-2	1	304-2	1	304-2
1	EN21	1	304-3	1	304-3	1	304-3
1	EN22	1	304-4	1	304-4	1	304-4
1	EN23	1	305-1	1	305-1	0	305-1
1	EN24	1	305-2	1	305-2	0	305-2
1	EN25	1	305-3	1	305-3	0	305-3
1	EN26	1	305-4	1	305-4	0	305-4
1	EN27	1	305-5	1	305-5	1	305-5
1	EN28	1	305-6	1	305-6	0	305-6
1	EN29	1	305-7	1	305-7	1	305-7

1	EN30	0	306-1	1	306-1	1	306-1
1	EN31	0	306-2	1	306-2	1	306-2
1	EN32	0	306-3	1	306-3	0	306-3
1	EN33	0	306-4	1	306-4	0	306-4
1	EN34	1	306-5	1	306-5	1	306-5
1	LA1	1	307-1	0	307-1	1	307-1
1	LA2	0	308-1	0	308-1	1	308-1
1	LA3	0	308-2	0	308-2	0	308-2
1	LA4	1	401-1	0	401-1	0	401-1
1	LA5	1	401-2	0	401-2	0	401-2
1	LA6	1	401-3	0	401-3	0	401-3
1	LA7	1	402-1	0	402-1	0	402-1
1	LA8	1	403-1	1	403-1	1	403-1
1	LA9	1	403-2	1	403-2	1	403-2
1	LA10	1	403-3	1	403-3	1	403-3
1	LA11	1	403-4	1	403-4	1	403-4
1	LA12	1	404-1	0	404-1	0	404-1
1	LA13	1	404-2	0	404-2	0	404-2
0	LA14	1	404-3	0	404-3	0	404-3
0	LA15	1	405-1	0	405-1	0	405-1
1	LA16	1	405-2	0	405-2	0	405-2
1	HR1	1	406-1	1	406-1	1	406-1
1	HR2	1	408-1	1	408-1	0	408-1
1	HR3	1	409-1	1	409-1	0	409-1
1	HR4	1	410-1	1	410-1	0	410-1
1	HR5	1	411-1	1	411-1	0	411-1
1	HR6	0	412-1	1	412-1	0	412-1
1	HR7	1	412-2	1	412-2	0	412-2
1	HR8	0	412-3	0	412-3	0	412-3
1	HR9	1	413-1	1	413-1	1	413-1
1	HR10	1	413-2	1	413-2	1	413-2
1	HR11	0	414-1	0	414-1	0	414-1
1	HR12	0	414-2	0	414-2	0	414-2
1	SO1	0	415-1	0	415-1	0	415-1
1	SO2	0	416-1	0	416-1	1	416-1
1	SO3	0	416-2	0	416-2	0	416-2
1	SO4	0	417-1	0	417-1	1	417-1
1	SO5	0	417-2	0	417-2	1	417-2

1	SO6	0	417-3	0	417-3	0	417-3
1	SO7	1	418-1	0	418-1	0	418-1
1	SO8	1	419-1	0	419-1	0	419-1
0	SO9						
0	SO10						
1	SO11						
0	PR1						
0	PR2						
0	PR3						
0	PR4						
0	PR5						
0	PR6						
0	PR7						
0	PR8						
0	PR9						
78		53		44		32	
0,8571429		0,670886		0,556962		0,4050633	

7							
Indika Energy Tbk.							
2016	GRI-G4	2017	GRI-G4	2018	GRI-G4	2019	GRI-STD
1	EC1	1	EC1	1	EC1	0	103-1
0	EC2	0	EC2	0	EC2	1	103-2
0	EC3	0	EC3	0	EC3	1	103-3
0	EC4	0	EC4	0	EC4	1	201-1
0	EC5	0	EC5	0	EC5	1	201-2
0	EC6	0	EC6	0	EC6	0	201-3
0	EC7	0	EC7	0	EC7	0	201-4
1	EC8	1	EC8	1	EC8	0	202-1
0	EC9	0	EC9	0	EC9	0	202-2
0	EN1	0	EN1	0	EN1	0	203-1
0	EN2	0	EN2	0	EN2	1	203-2
0	EN3	0	EN3	0	EN3	0	204-1
0	EN4	0	EN4	0	EN4	0	205-1
0	EN5	0	EN5	0	EN5	1	205-2
0	EN6	0	EN6	0	EN6	1	205-3
0	EN7	0	EN7	0	EN7	1	206-1
0	EN8	0	EN8	0	EN8	1	301-1

0	EN9	0	EN9	0	EN9	1	301-2
0	EN10	0	EN10	0	EN10	1	301-3
1	EN11	1	EN11	1	EN11	1	302-1
1	EN12	1	EN12	1	EN12	1	302-2
1	EN13	1	EN13	1	EN13	1	302-3
0	EN14	0	EN14	0	EN14	1	302-4
0	EN15	0	EN15	0	EN15	1	302-5
0	EN16	0	EN16	0	EN16	1	303-1
0	EN17	0	EN17	0	EN17	0	303-2
0	EN18	0	EN18	0	EN18	0	303-3
0	EN19	0	EN19	0	EN19	0	304-1
0	EN20	0	EN20	0	EN20	0	304-2
0	EN21	0	EN21	0	EN21	0	304-3
0	EN22	0	EN22	0	EN22	0	304-4
0	EN23	0	EN23	0	EN23	0	305-1
0	EN24	0	EN24	0	EN24	0	305-2
0	EN25	0	EN25	0	EN25	0	305-3
0	EN26	0	EN26	0	EN26	0	305-4
1	EN27	1	EN27	1	EN27	0	305-5
0	EN28	0	EN28	0	EN28	0	305-6
0	EN29	0	EN29	0	EN29	0	305-7
0	EN30	0	EN30	0	EN30	0	306-1
0	EN31	0	EN31	0	EN31	1	306-2
0	EN32	0	EN32	0	EN32	0	306-3
0	EN33	0	EN33	0	EN33	1	306-4
0	EN34	0	EN34	0	EN34	0	306-5
1	LA1	1	LA1	1	LA1	0	307-1
0	LA2	0	LA2	0	LA2	0	308-1
0	LA3	0	LA3	0	LA3	0	308-2
0	LA4	0	LA4	0	LA4	1	401-1
1	LA5	1	LA5	1	LA5	0	401-2
1	LA6	1	LA6	1	LA6	1	401-3
0	LA7	0	LA7	0	LA7	1	402-1
0	LA8	0	LA8	0	LA8	1	403-1
0	LA9	0	LA9	0	LA9	0	403-2
0	LA10	0	LA10	0	LA10	0	403-3
0	LA11	0	LA11	0	LA11	0	403-4

0	LA12	0	LA12	0	LA12	0	404-1
0	LA13	0	LA13	0	LA13	1	404-2
0	LA14	0	LA14	0	LA14	0	404-3
0	LA15	0	LA15	0	LA15	1	405-1
0	LA16	0	LA16	0	LA16	0	405-2
0	HR1	0	HR1	0	HR1	1	406-1
0	HR2	0	HR2	0	HR2	1	408-1
0	HR3	0	HR3	0	HR3	1	409-1
0	HR4	0	HR4	0	HR4	0	410-1
0	HR5	0	HR5	0	HR5	0	411-1
0	HR6	0	HR6	0	HR6	0	412-1
0	HR7	0	HR7	0	HR7	0	412-2
0	HR8	0	HR8	0	HR8	0	412-3
0	HR9	0	HR9	0	HR9	0	413-1
0	HR10	0	HR10	0	HR10	0	413-2
0	HR11	0	HR11	0	HR11	0	414-1
0	HR12	0	HR12	0	HR12	0	414-2
1	SO1	1	SO1	1	SO1	0	415-1
0	SO2	0	SO2	0	SO2	0	416-1
0	SO3	0	SO3	0	SO3	0	416-2
1	SO4	0	SO4	0	SO4	0	417-1
1	SO5	0	SO5	0	SO5	0	417-2
0	SO6	0	SO6	0	SO6	0	417-3
0	SO7	0	SO7	0	SO7	1	418-1
0	SO8	0	SO8	0	SO8	0	419-1
0	SO9	0	SO9	0	SO9		
0	SO10	0	SO10	0	SO10		
0	SO11	0	SO11	0	SO11		
0	PR1	0	PR1	0	PR1		
0	PR2	0	PR2	0	PR2		
0	PR3	0	PR3	0	PR3		
0	PR4	0	PR4	0	PR4		
0	PR5	0	PR5	0	PR5		
0	PR6	0	PR6	0	PR6		
0	PR7	0	PR7	0	PR7		
0	PR8	0	PR8	0	PR8		
0	PR9	0	PR9	0	PR9		
12		10		10		29	
0,1318681		0,1098901		0,1098901		0,3670886	

8							
Indo Tambangraya Megah Tbk.							
2016	GRI-G4	2017	GRI-STD	2018	GRI-STD	2019	GRI-STD
1	EC1	1	103-1	1	103-1	1	103-1
0	EC2	1	103-2	1	103-2	1	103-2
1	EC3	1	103-3	1	103-3	1	103-3
0	EC4	1	201-1	1	201-1	1	201-1
0	EC5	0	201-2	0	201-2	0	201-2
0	EC6	0	201-3	0	201-3	1	201-3
1	EC7	0	201-4	0	201-4	0	201-4
1	EC8	0	202-1	0	202-1	0	202-1
0	EC9	0	202-2	0	202-2	0	202-2
0	EN1	0	203-1	0	203-1	0	203-1
0	EN2	0	203-2	0	203-2	0	203-2
1	EN3	0	204-1	0	204-1	0	204-1
0	EN4	0	205-1	0	205-1	0	205-1
1	EN5	0	205-2	0	205-2	0	205-2
0	EN6	0	205-3	0	205-3	0	205-3
0	EN7	0	206-1	0	206-1	0	206-1
1	EN8	0	301-1	0	301-1	0	301-1
1	EN9	0	301-2	0	301-2	0	301-2
0	EN10	0	301-3	0	301-3	0	301-3
0	EN11	1	302-1	1	302-1	1	302-1
0	EN12	0	302-2	0	302-2	0	302-2
1	EN13	0	302-3	0	302-3	1	302-3
0	EN14	0	302-4	0	302-4	0	302-4
1	EN15	0	302-5	0	302-5	0	302-5
1	EN16	1	303-1	0	303-1	0	303-1
0	EN17	0	303-2	0	303-2	0	303-2
0	EN18	0	303-3	0	303-3	1	303-3
1	EN19	0	304-1	0	304-1	1	304-1
0	EN20	0	304-2	0	304-2	1	304-2
0	EN21	0	304-3	0	304-3	1	304-3
1	EN22	1	304-4	1	304-4	1	304-4
1	EN23	1	305-1	1	305-1	1	305-1

0	EN24	1	305-2	1	305-2	1	305-2
0	EN25	0	305-3	0	305-3	0	305-3
0	EN26	0	305-4	1	305-4	1	305-4
0	EN27	1	305-5	0	305-5	0	305-5
0	EN28	0	305-6	0	305-6	0	305-6
1	EN29	0	305-7	0	305-7	0	305-7
0	EN30	0	306-1	0	306-1	1	306-1
1	EN31	1	306-2	1	306-2	1	306-2
1	EN32	0	306-3	0	306-3	1	306-3
0	EN33	0	306-4	0	306-4	0	306-4
0	EN34	0	306-5	0	306-5	1	306-5
1	LA1	0	307-1	0	307-1	0	307-1
0	LA2	0	308-1	0	308-1	0	308-1
0	LA3	0	308-2	0	308-2	0	308-2
0	LA4	0	401-1	0	401-1	1	401-1
0	LA5	1	401-2	0	401-2	0	401-2
1	LA6	0	401-3	0	401-3	0	401-3
1	LA7	0	402-1	0	402-1	0	402-1
0	LA8	0	403-1	0	403-1	0	403-1
1	LA9	1	403-2	1	403-2	1	403-2
0	LA10	1	403-3	1	403-3	1	403-3
1	LA11	0	403-4	0	403-4	0	403-4
0	LA12	1	404-1	0	404-1	0	404-1
0	LA13	0	404-2	0	404-2	1	404-2
0	LA14	1	404-3	0	404-3	0	404-3
0	LA15	0	405-1	0	405-1	0	405-1
0	LA16	0	405-2	0	405-2	0	405-2
0	HR1	0	406-1	0	406-1	0	406-1
0	HR2	0	408-1	0	408-1	0	408-1
0	HR3	0	409-1	0	409-1	0	409-1
0	HR4	0	410-1	0	410-1	0	410-1
0	HR5	0	411-1	0	411-1	0	411-1
0	HR6	0	412-1	0	412-1	0	412-1
0	HR7	0	412-2	0	412-2	0	412-2
0	HR8	0	412-3	0	412-3	0	412-3
0	HR9	1	413-1	1	413-1	1	413-1
0	HR10	0	413-2	0	413-2	0	413-2
0	HR11	0	414-1	0	414-1	0	414-1

0	HR12	0	414-2	0	414-2	0	414-2
1	SO1	0	415-1	0	415-1	0	415-1
0	SO2	0	416-1	0	416-1	0	416-1
1	SO3	0	416-2	0	416-2	0	416-2
1	SO4	0	417-1	0	417-1	0	417-1
1	SO5	0	417-2	0	417-2	0	417-2
0	SO6	0	417-3	0	417-3	0	417-3
0	SO7	0	418-1	0	418-1	0	418-1
0	SO8	0	419-1	0	419-1	1	419-1
0	SO9						
0	SO10						
0	SO11						
0	PR1						
0	PR2						
0	PR3						
0	PR4						
1	PR5						
0	PR6						
0	PR7						
0	PR8						
0	PR9						
27		17		13		25	
0,2967033		0,2151899		0,164557		0,3164557	

9							
Bukit Asam Tbk.							
2016	GRI-G4	2017	GRI-G4	2018	GRI-STD	2019	GRI-STD
1	EC1	1	EC1	1	103-1	11	103-1
1	EC2	1	EC2	1	103-2	1	103-2
1	EC3	1	EC3	0	103-3	1	103-3
0	EC4	0	EC4	1	201-1	1	201-1
1	EC5	1	EC5	1	201-2	0	201-2
1	EC6	1	EC6	1	201-3	1	201-3
1	EC7	1	EC7	1	201-4	1	201-4
1	EC8	1	EC8	1	202-1	0	202-1
1	EC9	1	EC9	1	202-2	0	202-2
0	EN1	0	EN1	1	203-1	1	203-1
1	EN2	1	EN2	1	203-2	1	203-2

1	EN3	1	EN3	1	204-1	1	204-1
0	EN4	1	EN4	1	205-1	1	205-1
1	EN5	1	EN5	1	205-2	0	205-2
1	EN6	1	EN6	1	205-3	0	205-3
1	EN7	1	EN7	1	206-1	1	206-1
1	EN8	1	EN8	1	301-1	0	301-1
0	EN9	0	EN9	1	301-2	0	301-2
0	EN10	0	EN10	0	301-3	0	301-3
0	EN11	0	EN11	1	302-1	1	302-1
0	EN12	1	EN12	0	302-2	1	302-2
1	EN13	1	EN13	1	302-3	1	302-3
1	EN14	1	EN14	1	302-4	1	302-4
0	EN15	0	EN15	0	302-5	1	302-5
0	EN16	0	EN16	1	303-1	1	303-1
0	EN17	0	EN17	1	303-2	0	303-2
0	EN18	0	EN18	0	303-3	1	303-3
0	EN19	0	EN19	0	304-1	1	304-1
0	EN20	0	EN20	1	304-2	0	304-2
1	EN21	1	EN21	1	304-3	1	304-3
1	EN22	1	EN22	1	304-4	1	304-4
0	EN23	0	EN23	0	305-1	1	305-1
0	EN24	0	EN24	0	305-2	1	305-2
0	EN25	0	EN25	0	305-3	0	305-3
0	EN26	0	EN26	0	305-4	1	305-4
1	EN27	1	EN27	0	305-5	1	305-5
0	EN28	0	EN28	0	305-6	1	305-6
1	EN29	1	EN29	0	305-7	0	305-7
1	EN30	1	EN30	1	306-1	1	306-1
1	EN31	1	EN31	1	306-2	1	306-2
1	EN32	1	EN32	0	306-3	0	306-3
1	EN33	1	EN33	0	306-4	1	306-4
1	EN34	1	EN34	0	306-5	1	306-5
1	LA1	1	LA1	1	307-1	1	307-1
0	LA2	0	LA2	1	308-1	0	308-1
1	LA3	1	LA3	0	308-2	0	308-2
1	LA4	1	LA4	1	401-1	1	401-1
0	LA5	0	LA5	1	401-2	1	401-2

0	LA6	0	LA6	1	401-3	1	401-3
0	LA7	0	LA7	1	402-1		402-1
0	LA8	0	LA8	0	403-1	1	403-1
0	LA9	0	LA9	0	403-2	1	403-2
1	LA10	1	LA10	0	403-3	1	403-3
0	LA11	0	LA11	0	403-4	1	403-4
1	LA12	1	LA12	1	404-1	0	404-1
1	LA13	1	LA13	0	404-2	1	404-2
1	LA14	1	LA14	1	404-3	1	404-3
1	LA15	1	LA15	1	405-1	0	405-1
1	LA16	1	LA16	1	405-2	0	405-2
0	HR1		HR1	0	406-1	1	406-1
1	HR2	1	HR2	1	408-1	1	408-1
1	HR3	1	HR3	1	409-1	0	409-1
1	HR4	1	HR4	1	410-1	0	410-1
1	HR5	1	HR5	1	411-1	0	411-1
1	HR6	1	HR6	0	412-1	0	412-1
1	HR7	1	HR7	1	412-2	0	412-2
1	HR8	1	HR8	0	412-3	0	412-3
0	HR9	0	HR9	1	413-1	1	413-1
1	HR10	1	HR10	1	413-2	1	413-2
1	HR11	1	HR11	1	414-1	0	414-1
1	HR12	1	HR12	1	414-2	0	414-2
1	SO1	1	SO1	1	415-1	0	415-1
1	SO2	1	SO2	1	416-1	0	416-1
1	SO3	1	SO3	1	416-2	0	416-2
1	SO4	1	SO4	1	417-1	1	417-1
1	SO5	1	SO5	0	417-2	0	417-2
1	SO6	1	SO6	1	417-3	1	417-3
1	SO7	1	SO7	1	418-1	1	418-1
1	SO8	1	SO8	1	419-1	1	419-1
1	SO9	1	SO9				
1	SO10	1	SO10				
1	SO11	1	SO11				
1	PR1	1	PR1				
1	PR2	1	PR2				
1	PR3	1	PR3				
1	PR4	1	PR4				
1	PR5	1	PR5				

1	PR6	1	PR6				
1	PR7	1	PR7				
1	PR8	1	PR8				
1	PR9	1	PR9				
64		66		53		58	
0,7032967		0,7252747		0,670886		0,7341772	

10							
Petrosea Tbk.							
2016	GRI-G4	2017	GRI-G4	2018	GRI-STD	2019	GRI-STD
1	EC1	1	EC1	0	103-1	0	103-1
0	EC2	0	EC2	1	103-2	1	103-2
0	EC3	1	EC3	1	103-3	1	103-3
0	EC4	0	EC4	1	201-1	1	201-1
1	EC5	1	EC5	1	201-2	1	201-2
0	EC6	0	EC6	0	201-3	0	201-3
1	EC7	1	EC7	0	201-4	0	201-4
1	EC8	1	EC8	0	202-1	0	202-1
0	EC9	0	EC9	0	202-2	0	202-2
0	EN1	0	EN1	0	203-1	1	203-1
0	EN2	0	EN2	1	203-2	1	203-2
1	EN3	1	EN3	1	204-1	1	204-1
0	EN4	0	EN4	0	205-1	0	205-1
0	EN5	0	EN5	1	205-2	1	205-2
1	EN6	1	EN6	1	205-3	1	205-3
0	EN7	0	EN7	1	206-1	1	206-1
1	EN8	0	EN8	1	301-1	1	301-1
0	EN9	0	EN9	1	301-2	1	301-2
0	EN10	0	EN10	1	301-3	1	301-3
0	EN11	0	EN11	1	302-1	0	302-1
0	EN12	0	EN12	0	302-2	0	302-2
0	EN13	0	EN13	0	302-3	0	302-3
0	EN14	0	EN14	0	302-4	0	302-4
1	EN15	1	EN15	0	302-5	0	302-5
1	EN16	0	EN16	1	303-1	1	303-1
0	EN17	0	EN17	0	303-2	0	303-2
0	EN18	0	EN18	0	303-3	0	303-3

1	EN19	1	EN19	0	304-1	0	304-1
0	EN20	1	EN20	0	304-2	0	304-2
1	EN21	0	EN21	0	304-3	0	304-3
1	EN22	1	EN22	0	304-4	0	304-4
1	EN23	1	EN23	0	305-1	0	305-1
0	EN24	0	EN24	0	305-2	0	305-2
0	EN25	0	EN25	0	305-3	0	305-3
0	EN26	0	EN26	0	305-4	0	305-4
0	EN27	0	EN27	0	305-5	0	305-5
0	EN28	0	EN28	0	305-6	0	305-6
0	EN29	0	EN29	0	305-7	0	305-7
0	EN30	0	EN30	0	306-1	0	306-1
1	EN31	0	EN31	1	306-2	1	306-2
0	EN32	0	EN32	0	306-3	0	306-3
0	EN33	0	EN33	1	306-4	1	306-4
0	EN34	0	EN34	0	306-5	0	306-5
1	LA1	1	LA1	0	307-1	0	307-1
0	LA2	1	LA2	0	308-1	0	308-1
0	LA3	0	LA3	0	308-2	0	308-2
0	LA4	0	LA4	1	401-1	1	401-1
1	LA5	1	LA5	0	401-2	1	401-2
1	LA6	1	LA6	1	401-3	1	401-3
1	LA7	1	LA7	1	402-1	1	402-1
0	LA8	1	LA8	1	403-1	1	403-1
1	LA9	1	LA9	0	403-2	1	403-2
0	LA10	1	LA10	0	403-3	0	403-3
1	LA11	1	LA11	0	403-4	0	403-4
0	LA12	1	LA12	0	404-1	1	404-1
0	LA13	0	LA13	1	404-2	1	404-2
0	LA14	0	LA14	0	404-3	0	404-3
0	LA15	0	LA15	1	405-1	1	405-1
0	LA16	0	LA16	0	405-2	0	405-2
0	HR1	0	HR1	1	406-1	1	406-1
0	HR2	0	HR2	1	408-1	1	408-1
0	HR3	0	HR3	1	409-1	1	409-1
0	HR4	0	HR4	1	410-1	0	410-1
0	HR5	0	HR5	0	411-1	0	411-1
0	HR6	0	HR6	0	412-1	0	412-1

0	HR7	0	HR7	0	412-2	0	412-2
0	HR8	0	HR8	0	412-3	0	412-3
0	HR9	0	HR9	0	413-1	1	413-1
0	HR10	0	HR10	0	413-2	0	413-2
0	HR11	0	HR11	0	414-1	0	414-1
0	HR12	0	HR12	0	414-2	0	414-2
0	SO1	1	SO1	0	415-1	0	415-1
0	SO2	0	SO2	0	416-1	0	416-1
1	SO3	1	SO3	0	416-2	0	416-2
1	SO4	1	SO4	0	417-1	0	417-1
0	SO5	1	SO5	0	417-2	0	417-2
0	SO6	0	SO6	0	417-3	0	417-3
0	SO7	0	SO7	0	418-1	1	418-1
0	SO8	0	SO8	0	419-1	0	419-1
0	SO9	0	SO9				
0	SO10	0	SO10				
0	SO11	0	SO11				
0	PR1	0	PR1				
0	PR2	0	PR2				
0	PR3	0	PR3				
0	PR4	0	PR4				
1	PR5	1	PR5				
0	PR6	0	PR6				
0	PR7	1	PR7				
0	PR8	0	PR8				
0	PR9	0	PR9				
23		28		26		30	
0,2527473		0,3076923		0,3291139		0,3797468	

Lampiran- 1 Tabel Kinerja Keuangan

ROE						
PERUSAHAAN	TAHUN	LABA SETELAH PAJAK	EKUITAS	LABA SETELAH PAJAK/ MODAL	%	SKOR
Indo cement Tungg al Prakas a Tbk	2016	Rp 3.870.000.000	Rp 26.139.000.000	Rp0,148054631011	14,8%	18
	2017	Rp 1.860.000.000	Rp 24.557.000.000	Rp0,075742150914	7,6%	10
	2018	Rp 1.146.000.000	Rp 23.222.000.000	Rp0,049349754543	4,9%	7

	2019	Rp 1.835.000.000	Rp 23.080.000.000	Rp0,079506065858	8,0%	12
Astra International Tbk	2016	Rp 18.302.000.000	Rp 139.906.000.000	Rp0,130816405301	13,1%	18
	2017	Rp 23.121.000.000	Rp 156.505.000.000	Rp0,147733299256	14,8%	18
	2018	Rp 27.372.000.000	Rp 174.363.000.000	Rp0,156982846131	15,7%	20
	2019	Rp 26.621.000.000	Rp 186.763.000.000	Rp0,142538939726	14,3%	18
Unilever Indonesia Tbk	2016	Rp5.958.000.000.000	Rp 4.704.000.000.000	Rp1,266581632653	126,7 %	20
	2017	Rp7.107.000.000.000	Rp 5.173.000.000.000	Rp1,373864295380	137,4 %	20
	2018	Rp9.358.000.000.000	Rp 7.384.000.000.000	Rp1,267334777898	126,7 %	20
	2019	Rp7.090.000.000.000	Rp 5.282.000.000.000	Rp1,342294585384	134,2 %	20
Aneka Tambang Tbk.	2016	Rp 92.080.000.000	Rp 18.408.800.000.000	Rp0,005001955586	0,5%	2
	2017	Rp 81.610.000.000	Rp 18.490.400.000.000	Rp0,004413641674	0,4%	2
	2018	Rp1.636.000.000.000	Rp 18.448.370.000.000	Rp0,088679921316	8,9%	12
	2019	Rp 193.850.000.000	Rp 18.133.420.000.000	Rp0,010690206260	1,1%	4
Bumi Resources Tbk.	2016	Rp1.761.908.496.708	-Rp 40.800.710.368.539	-Rp0,043183279918	-4,3%	0
	2017	Rp3.556.559.288.297	Rp 4.195.428.753.152	Rp0,847722485008	84,8%	20
	2018	Rp2.318.112.407.621	Rp 7.378.419.860.000	Rp0,314174640588	31,4%	20
	2019	Rp 138.755.346.450	Rp 7.466.327.960.000	Rp0,018584148352	1,9%	4

Vale Indone sia Tbk.	2016	Rp 2.795.253.830	Rp 26.905.256.709	Rp0,103892479460	10,4%	14
	2017	-Rp 223.957.614	Rp 26.682.017.707	-Rp0,008393578646	-0,8%	0
	2018	Rp 887.441.762	Rp 27.625.892.505	Rp0,032123550812	3,2%	5,5
	2019	Rp 841.802.570	Rp 28.475.995.776	Rp0,029561830835	3,0%	5,5
Indika Energy Tbk.	2016	Rp 2.008.571.536	Rp 10.858.255.669.1 17	-Rp0,140641452358	- 14,1%	0
	2017	Rp4.712.359.954.812	Rp 16.336.582.268.1 32	Rp0,288454456230	28,8%	20
	2018	Rp1.433.813.182.805	Rp 16.514.769.071.2 13	Rp0,086820056437	8,7%	12
	2019	Rp 73.145.897.886	Rp 15.322.004.088.8 94	Rp0,004773911915	0,5%	2
Indo Tamba ngraya Megah Tbk.	2016	Rp 1.917.494.495	Rp 13.307.960.037	Rp0,144086282893	14,4%	18
	2017	Rp 3.707.140.375	Rp 14.051.635.411	Rp0,263822698661	26,4%	20
	2018	Rp 3.795.937.582	Rp 14.222.401.076	Rp0,266898504831	26,7%	20
	2019	Rp 1.855.778.015	Rp 12.971.165.681	Rp0,143069486627	14,3%	18
Bukit Asam Tbk.	2016	2.024.405.000.000	Rp 10.552.405.000.0 00	Rp0,191842996928	19,2%	20
	2017	4.547.232.000.000	Rp 13.799.985.000.0 00	Rp0,329509923380	33,0%	20
	2018	5.121.112.000.000	Rp 16.269.696.000.0 00	Rp0,314763840701	31,5%	20
	2019	4.040.394.000.000	Rp 18.422.826.000.0 00	Rp0,219314561186	21,9%	20
Petrose a Tbk.	2016	-Rp 114.869.232.000	Rp 2.500.569.680.00 0	-Rp0,045937224993	-4,6%	0
	2017	Rp 174.431.056.000	Rp 3.118.340.224.00 0	Rp0,055937147158	5,6%	8,5

	2018	Rp 339.913.168.000	Rp 2.803.953.552.00 0	Rp0,121226390415	12,1%	16
	2019	Rp 459.476.928.000	Rp 2.770.211.632.00 0	Rp0,165863475083	16,6%	20

Lampiran- 2 Tabel Keseluruhan Kinerja Lingkungan, BiayaLingkungan,CSR dan Kinerja Keuangan (ROE)

NO	KINERJA LINGKUNGAN(PROPER)	BIAYA LINGKUNGAN	K. KEUANGAN	CSR (INTERVENING)
			ROE	
	X1	X2	Y	Z
1	4	0,00472868217	18	0,131868132
2	3	0,04650537634	10	0,215186873
3	3	0,02033158813	7	0,215189873
4	4	0,01858638743	12	0,202531646
5	3	0,01248945652	18	0,263736264
6	3	0,03445280899	18	0,278481013
7	3	0,03917647059	20	0,265822785
8	4	0,00526666667	18	0,316455696
9	4	0,00000667384	20	0,175824176
10	3	0,00000283401	20	0,265822785
11	3	0,00000435979	20	0,291139241
12	3	0,00052027027	20	0,265822785
13	4	0,88057398550	2	0,351648352
14	4	0,79477941176	2	0,493670886
15	4	0,28972082380	12	0,455696203
16	4	0,73113231880	4	0,46835443
17	4	0,03854206580	0	0,56043956
18	3	0,02248764415	20	0,230769231
19	4	0,04297813172	20	0,417721519
20	4	0,06555911438	4	0,430379747
21	3	0,03660729455	14	0,857142857
22	3	1,09357605920	0	0,670886076
23	3	0,33405842138	5,5	0,556962025
24	4	0,03136497140	5,5	0,405063291
25	4	0,00043514170	0	0,131868132

26	4	0,01243480025	20	0,10989011
27	4	0,01567183071	12	0,10989011
28	5	0,96078053488	2	0,367088608
29	4	0,09541984733	18	0,296703297
30	3	0,04234269885	20	0,215189873
31	3	0,10045356306	20	0,164556962
32	4	0,00101028135	18	0,316455696
33	5	0,03476638399	20	0,703296703
34	5	0,07281250000	20	0,725274725
35	5	0,05950199203	20	0,670886076
36	5	0,00807200000	20	0,734177215
37	4	0,37050329017	0	0,252747253
38	4	0,00434774955	8,5	0,307692308
39	4	0,01504027856	16	0,329113924
40	3	0,00643444699	20	0,379746835