











LAMPIRAN



Lampiran 1. 1 Bimbingan Skripsi

NIM	201901018	Nama Mahasiswa	KHAIRUNNISA LATHIFAH
Program Studi	Akuntansi	SKS Lulus	147 SKS
Tgl. Mulai	20 Maret 2023	Judul Tugas Akhir	Pengaruh Profitabilitas Ukuran Perusahaan dan Risiko Bisnis terhadap Struktur Modal Perusahaan Sektor Pertambangan (Batu-bara)

No	Tanggal	Dosen Pembimbing	Topik	Disetujui	Aksi
1	19 April 2023	Farhan Ady Pratama, S.Ak, MAK.	Membahas judul, latar belakang serta variabel yang digunakan		
1	23 Juni 2023	Rudi Harianto, S.E., M.A.	membahas revisi		
2	24 Februari 2023	Rudi Harianto, S.E., M.A.	membahas revisi		
2	9 Mei 2023	Farhan Ady Pratama, S.Ak, MAK.	membahas revisi		
3	23 Februari 2023	Farhan Ady Pratama, S.Ak, MAK.	membahas revisi		
3	25 Februari 2023	Rudi Harianto, S.E., M.A.	membahas revisi		
4	19 April 2023	Rudi Harianto, S.E., M.A.	membahas revisi		
4	24 Februari 2023	Farhan Ady Pratama, S.Ak, MAK.	membahas revisi		
5	22 Mei 2023	Farhan Ady Pratama, S.Ak, MAK.	membahas bab 4		
5	8 Mei 2023	Rudi Harianto, S.E., M.A.	membahas revisi		
6	26 Mei 2023	Farhan Ady Pratama, S.Ak, MAK.	membahas revisi		
6	29 Mei 2023	Rudi Harianto, S.E., M.A.	membahas revisi		
7	5 Juni 2023	Farhan Ady Pratama, S.Ak, MAK.	acc serta tandatangan		
7	7 Juni 2023	Rudi Harianto, S.E., M.A.	acc serta tandatangan		
8	12 Mei 2023	Farhan Ady Pratama, S.Ak, MAK.	membahas revisi		
8	22 Mei 2023	Rudi Harianto, S.E., M.A.	membahas revisi		

Lampiran 1. 2 Hasil Perhitungan Struktur Modal Perusahaan

DER = Total hutang : Total Ekuitas

Kode	Tahun	Total Hutang (Rp)	Total Ekuitas (Rp)	Struktur Modal
PTBA	2017	8.187.497	14.921.935	0,548688692
	2018	7.903.237	16.269.696	0,48576427
	2019	7.675.226	18.422.826	0,416615019
	2020	7.117.559	16.939.196	0,420182812
	2021	11.869.979	24.253.724	0,489408513
ADRO	2017	36.884.700.960	55.433.362.596	0,665388121
	2018	39.939.510.303	62.307.282.852	0,641008699
	2019	44.951.802.710	55.373.173.895	0,811797474
	2020	34.273.062.460	55.738.925.970	0,614885591
	2021	44.642.293.049	63.615.696.735	0,701749652
INDY	2017	34.150.213.284	15.106.322.391.360	0,002260657
	2018	36.821.831.691.132	16.322.753.256.201	2,255859114
	2019	35.730.280.312.147	35.730.274.751.747	1,000000156
	2020	37.045.449.055.615	12.233.229.742.370	3,028263986
	2021	40.063.976.468.284	12.609.710.285.885	3,177232114
UNTR	2017	34.724.168	47.537.925	0,730451908
	2018	59.230.338	57.050.679	1,038205663
	2019	50.603.301	61.110.074	0,828068069
	2020	36.653.823	63.147.140	0,580451039
	2021	40.738.599	71.822.757	0,567210181
BUMI	2017	48.194.850.435.252	8.758.059.715.476	5,502914116

	2018	49.281.190.341.138	7.292.803.069.521	6,757510092
	2019	44.384.087.246.199	7.088.615.873.779	6,261319281
	2020	46.488.842.963.290	1.870.859.384.940	24,84892416
	2021	51.045.073.007.131	9.224.147.762.534	5,533852484
BOSS	2017	350.797.573.097	15.161.773.031	23,13697563
	2018	345.989.440.969	190.878.274.768	1,812618232
	2019	678.262.661.673	193.376.320.522	3,507475268
	2020	611.899.459.706	87.375.089.069	7,003134031
	2021	601.540.344.656	78.014.262.859	-7,710645754
BSRR	2017	2.030.718.864.900	816.250.457.892	2,487862451
	2018	2.176.195.079.097	1.373.100.946.065	1,584876251
	2019	2.367.585.763.858	1.117.121.308.858	2,119363175
	2020	2.685.254.114.725	1.029.209.732.915	2,609044618
	2021	3.604.530.516.417	2.607.013.264.417	1,382628376
ARII	2017	538.736.220	3.892.204.920	0,138414146
	2018	144.607.266	4.924.683.999	0,029363765
	2019	640.252.258	4.419.044.494	0,144884773
	2020	397.958.470	4.691.153.740	0,084831684
	2021	557.675.327	4.714.292.103	0,118294606
BYAN	2017	6.985.400.539.812	5.056.239.880.908	1,381540573
	2018	9.819.136.506.654	6.846.523.498.917	1,434178457
	2019	8.605.833.345.863	9.160.202.403.960	0,939480698
	2020	12.152.215.982.270	10.694.005.453.040	1,136357751
	2021	26.581.811.050.606	8.144.828.202.773	3,263642939

CNKO	2017	419.861.127	174.247.616	2,409565977
	2018	-	184.294.296	-4,438348011
	2019	679.839.769	315.255.563	-2,156471919
	2020	1.149.951.288	281.239.286	-4,088871453
	2021	1.224.804.402	292.643.885	-4,185306664
DEWA	2017	3.082.881.730.632	2.360.706.701.568	1,305914762
	2018	3.342.274.693.416	2.668.765.700.376	1,252367225
	2019	3.256.490.435.634	4.382.367.581.263	0,743089295
	2020	3.799.890.921.190	3.966.880.129.030	0,957904146
	2021	3.864.797.361.797	4.175.735.595.065	0,925536896
DSSA	2017	19.703.137.602.288	17.377.638.792.816	1,133821334
	2018	21.914.008.183.926	27.130.110.592.797	0,807737518
	2019	22.771.348.788.482	28.926.095.774.182	0,787225105
	2020	22.411.580.091.810	18.496.172.831.500	1,211687428
	2021	24.973.735.916.671	17.976.991.382.553	1,389205534
DWGL	2017	8.201.311	1.101.539.924	-0,007445314
	2018	38.103.339	1.641.733.890	-0,023209205
	2019	46.541.214	910.429.246	-0,051120078
	2020	52.545.229	756.217.646	-0,069484267
	2021	136.413.748	1.109.292.094	0,122973695
GTBO	2017	642.909.379.668	162.721.776.480	3,950973211
	2018	687.221.370.522	155.848.446.351	4,409549063
	2019	591.300.164.520	173.958.559.704	3,399086343
	2020	589.338.777.300	201.810.066.185	2,920264526

	2021	587.609.791.223	226.931.222.317	2,589373931
HRUM	2017	861.413.664.252	5.363.121.061.656	0,160617979
	2018	1.151.274.312.324	5.625.677.220.471	0,204646351
	2019	659.163.748.341	5.554.610.414.213	0,118669663
	2020	619.288.459.790	6.414.906.296.890	0,096538972
	2021	341.754.621.574	9.284.420.974.557	0,036809471
ITMA	2017	4.266.089.076	1.618.431.060.372	0,002635941
	2018	4.210.278.345	1.881.799.071.525	0,002237369
	2019	4.108.218.134	2.013.038.492.995	0,002040805
	2020	3.565.814.525	2.256.294.787.110	0,001580385
	2021	149.770.862.829	2.457.813.190.126	0,060936634
KKGI	2017	149.770.862.829	2.457.813.190.126	0,060936634
	2018	222.643.754.052	1.200.622.391.652	0,185440281
	2019	442.517.406.804	1.255.600.258.497	0,352434944
	2020	458.336.307.163	1.298.118.111.674	0,353077507
	2021	344.694.139.335	1.188.354.092.380	0,290060127
MBAP	2017	474.610.498.119	1.411.498.840.464	0,336245758
	2018	521.254.165.308	1.656.979.211.868	0,314580993
	2019	714.318.883.848	1.798.268.739.174	0,397225881
	2020	651.774.782.999	2.024.547.061.390	0,321936099
	2021	617.135.021.230	1.949.595.582.480	0,316545148
MYOH	2017	823.846.085.282	2.853.566.858.809	0,288707476
	2018	454.218.810.336	1.389.230.114.964	0,326957216
	2019	540.696.834.603	1.650.656.390.535	0,327564742

	2020	526.608.705.493	1.700.077.773.455	0,309755656
	2021	311.172.337.385	1.820.218.118.810	0,170953324
SMMT	2017	333.309.770.766	2.006.372.109.178	0,1661256
	2018	489.534.966.943	342.430.970.325	1,429587302
	2019	584.445.919.301	287.067.420.462	2,035918665
	2020	564.557.831.801	317.228.386.339	1,779657358
	2021	817.847.583.715	233.792.851.055	3,498171907
TOBA	2017	2.351.101.020.540	2.368.182.582.804	0,992787059
	2018	4.145.321.241.882	3.122.449.290.432	1,327586409
	2019	5.150.328.409.669	3.671.808.569.187	1,402668008
	2020	6.783.907.328.835	4.103.344.226.800	1,653263035
	2021	7.189.814.591.833	5.054.441.190.963	1,422474675
BBRM	2017	881.422.041.600	415.679.424.396	2,120437024
	2018	911.989.413.945	328.939.346.997	2,772515427
	2019	823.832.672.874	253.479.216.303	3,250099495
	2020	423.465.500.640	101.428.913.950	4,174997879
	2021	364.442.531.340	115.659.405.698	3,150997786
CANI	2017	881.422.041.600	78.766.703.652	-11,19028728
	2018	911.989.413.945	143.521.842.645	-6,354359707
	2019	823.832.672.874	234.553.282.823	-3,512347655
	2020	423.465.500.640	317.229.094.910	-1,334888595
	2021	364.442.531.340	347.519.796.989	-1,048695742
FIRE	2017	224.495.481.967	232.927.380.687	0,963800311
	2018	323.237.568.459	250.011.554.441	1,292890519

	2019	339.672.393.223	203.584.653.001	1,668457756
	2020	352.947.426.518	152.354.623.294	2,316617762
	2021	307.404.859.003	186.847.898.731	1,645214429
MBSS	2017	707.606.349.840	2.545.315.055.280	0,278003443
	2018	989.359.355.124	2.481.860.302.236	0,398636198
	2019	642.985.347.511	2.389.315.264.919	0,269108626
	2020	536.748.778.475	2.211.738.262.825	0,24268187
	2021	121.744.534.900	2.412.987.568.965	0,050453859
PSSI	2017	550.547.298.660	828.759.908.856	0,664302523
	2018	555.829.653.375	1.038.738.812.112	0,535100496
	2019	759.481.871.753	1.231.120.935.480	0,616902735
	2020	737.761.982.685	1.333.358.288.080	0,553311131
	2021	664.653.772.747	1.636.024.851.603	0,406261416
PTIS	2017	320.848.938.432	220.232.074.572	1,456867439
	2018	311.388.230.187	237.650.876.820	1,310275958
	2019	271.018.747.449	231.014.894.481	1,173165687
	2020	263.796.012.025	234.692.037.125	1,124009213
	2021	285.865.788.105	240.017.065.375	1,191022762
RIGS	2017	475.554.512.340	889.831.488.420	0,534432102
	2018	411.534.366.039	748.437.075.594	0,549858337
	2019	279.597.193.559	601.460.641.737	0,464863657
	2020	60.708.075.155	628.245.840.040	0,096631082
	2021	50.315.119.496	558.552.028.629	0,090081348
TCPI	2017	837.330	1.293.551	0,647311161

	2018	1.242.867	1.512.864	0,821532537
	2019	1.438.916	1.638.619	0,878127252
	2020	1.431.558	1.320.653	1,083977396
	2021	1.540.273	1.307.023	1,178458987
TPMA	2017	607.252.547.496	951.065.522.052	0,638497068
	2018	519.042.613.329	1.095.263.846.145	0,473897331
	2019	452.852.195.851	1.098.996.837.533	0,412059599
	2020	377.414.763.180	1.086.137.907.855	0,34748328
	2021	316.641.395.609	1.099.647.890.611	0,287947986
BIPI	2017	15.220.142.011.536	2.981.253.725.340	5,105282346
	2018	12.325.092.309.549	5.529.409.762.545	2,229006863
	2019	12.373.000.773.306	5.052.617.335.401	2,448829973
	2020	13.514.256.477.540	5.438.427.246.070	2,484956747
	2021	7.818.599.451.795	5.787.188.058.610	1,351018728
MEDC	2017	19.003.400.906.304	50.914.925.884.332	0,37323831
	2018	20.088.930.986.667	55.970.982.849.159	0,358916888
	2019	18.694.459.727.410	64.677.113.347.911	0,28904289
	2020	16.859.776.982.685	66.116.312.863.055	0,255001773
	2021	17.541.401.962.009	63.561.940.817.382	0,275973353
SURE	2017	110.559.832.911	466.584.680.433	0,236955557
	2018	115.547.588.191	451.988.023.120	0,255643031
	2019	123.672.916.645	786.290.965.670	0,157286453
	2020	604.315.136.804	489.681.358.937	1,234098717
	2021	534.788.739.376	462.650.891.479	1,155922855

BAJA	2017	172.016.210.273	774.432.726.191	0,222118984
	2018	76.521.348.613	824.660.447.657	0,092791341
	2019	74.187.193.716	762.683.580.285	0,097271261
	2020	127.839.088.486	632.586.391.148	0,202089533
	2021	214.084.351.649	512.088.665.876	0,418061101
BTON	2017	154.638.932.325	28.862.718.117	5,357739756
	2018	183.135.228.930	34.207.731.081	5,353621042
	2019	184.234.096.343	46.327.027.431	3,9768167
	2020	188.706.429.061	46.198.587.257	4,084679646
	2021	197.765.605.633	72.903.934.431	2,712687692
GDST	2017	1.017.057.818.709	357.929.359.856	2,84150431
	2018	895.976.402.398	455.885.354.596	1,965354652
	2019	917.390.621.410	841.187.548.585	1,090589873
	2020	846.884.839.664	741.251.635.985	1,142506537
	2021	788.097.313.365	795.881.703.057	0,990219162
ISSP	2017	2.840.941	3.428.424	0,828643423
	2018	2.915.416	3.578.654	0,814668308
	2019	3.098.666	3.325.841	0,931693969
	2020	3.335.340	2.741.264	1,216716084
	2021	3.787.113	3.310.209	1,144070661
KRAS	2017	30.639.845.196	25.101.856.332	1,22062069
	2018	36.175.058.505	27.227.364.453	1,328628725
	2019	40.880.019.097	4.826.983.240	8,469061744
	2020	42.845.714.730	6.329.237.915	6,769490309

	2021	46.396.752.213	7.449.830.631	6,22789356
ANTM	2017	18.490.403.517	11.523.869.935	1,604530737
	2018	19.739.230.723	13.567.160.084	1,454927236
	2019	18.133.419.175	12.061.488.555	1,503414698
	2020	19.039.449	12.690.064	1,500343024
	2021	20.837.098	12.079.056	1,725060137
BRMS	2017	4.095.666.805.992	7.645.312.442.712	0,535709539
	2018	2.487.960.075.942	7.514.909.172.081	0,33106988
	2019	2.678.479.974.639	5.969.740.814.761	0,448676091
	2020	1.430.807.349.335	6.864.954.912.725	0,208421959
	2021	1.438.535.912.892	12.551.418.467.202	0,114611422
INCO	2017	4.947.621.216	24.648.784.116	0,200724758
	2018	4.615.456.725	27.278.250.687	0,169199146
	2019	3.896.366.894	26.991.474.393	0,144355467
	2020	4.150.678.350	28.497.572.740	0,145650241
	2021	4.542.778.723	30.742.004.009	0,147771067
TBMS	2017	1.738.248.054.996	494.742.382.164	3,513440768
	2018	2.028.193.973.532	621.165.159.504	3,265144451
	2019	1.475.164.931.439	665.456.883.952	2,216770112
	2020	1.486.848.855.765	725.284.079.065	2,050022741
	2021	1.281.299.038.386	819.612.843.976	1,563297901
ALKA	2017	78.490.877	226.717.826	0,346205141
	2018	100.731.483	548.236.812	0,183737175
	2019	104.792.363	500.032.251	0,209571208

	2020	105.203.706	313.427.196	0,335655959
	2021	126.822.522	370.570.531	0,342235854
ALMI	2017	1.997.411.244.539	378.870.552.389	5,272015025
	2018	2.454.465.678.087	327.200.695.930	7,501407267
	2019	1.727.942.731.084	-	-753,5416922
	2020	1.695.872.190.740	269.163.839.035	-6,300520147
	2021	814.570.750.136	524.001.628.520	1,554519501



Lampiran 1. 3 Hasil Perhitungan Pertumbuhan Penjualan Perusahaan

Percentage Change in Total Aset = $\frac{\text{Total aset (t)} - \text{Total Aset (t-1)}}{\text{Total Aset (t-1)}} \times 100\%$

Kode	Tahun	Total Aset (t)	2016	Pertumbuhan Penjualan
PTBA	2017	21.987.482	18.576.774	18%
	2018	24.172.933		9%
	2019	26.098.052		7%
	2020	24.056.755		-7%
	2021	36.123.703		5%
ADRO	2017	92.318.063.556	6.522.257	5%
	2018	94.448.803.617		2%
	2019	100.324.976.605		6%
	2020	90.011.988.430		1%
	2021	108.257.989.784		2%
INDY	2017	1.191.404.183.424	82.174.515	7%
	2018	53.456.279.899.581		5%
	2019	48.565.963.415.157		-9%
	2020	51.005.980.031.825		5%
	2021	52.366.554.976.417		2%
UNTR	2017	82.262.093	63.991.229	2%
	2018	116.281.017		4%
	2019	111.713.375		3%
	2020	99.800.963		10%
	2021	112.561.356		12,70%

BUMI	2017	50.080.163.357.952	3.102.193.700	2%
	2018	56.573.993.410.659		12%
	2019	51.472.703.119.978		-9,00%
	2020	48.359.702.348.230		6%
	2021	60.269.220.769.665		2%
BOSS	2017	365.959.346.128	195.660.238.870	8%
	2018	536.867.715.737		47%
	2019	871.638.982.195		62%
	2020	699.274.548.775		-20%
	2021	523.526.081.797		-25%
BSRR	2017	2.846.942.226.792	183.981.910	2%
	2018	3.549.296.025.162		2%
	2019	3.484.707.072.716		1%
	2020	3.714.463.847.640		6%
	2021	6.211.543.780.834		6%
ARII	2017	4.430.941.140	330.115	1,00%
	2018	5.069.291.265		1,40%
	2019	5.059.435.762		1%
	2020	5.089.112.210		5%
	2021	5.271.967.430		3%
BYAN	2017	12.041.640.420.720	824.686.661	8%
	2018	16.665.660.005.571		3,80%
	2019	17.766.035.749.823		7%
	2020	22.846.221.435.310		3%
	2021	34.726.639.253.379		5%

CNKO	2017	3.705.091.478	5.214.379.032	3%
	2018	2.703.608.742		-27,03%
	2019	1.635.154.338		-39,52%
	2020	1.110.213.240		-32,10%
	2021	1.206.842.636		8,70%
DEWA	2017	5.443.588.432.200	381.339.705	6,00%
	2018	6.011.040.393.792		10%
	2019	7.638.858.016.897		3%
	2020	7.766.771.050.220		2%
	2021	8.040.532.956.862		3%
DSSA	2017	34.502.272.519.716	2.232.507.010	2%
	2018	49.044.118.776.723		4%
	2019	51.697.444.562.664		5,00%
	2020	40.907.752.923.310		2,00%
	2021	42.950.727.299.224		4%
DWGL	2017	1.093.338.613	1.787.262.616	-38,83%
	2018	1.603.630.551		46,67%
	2019	863.888.032		-46%
	2020	703.672.417		2%
	2021	1.245.705.842		77%
GTBO	2017	80.562.518.148	55.106.906	-89%
	2018	843.069.816.873		946%
	2019	765.258.724.224		-9%
	2020	791.148.843.485		3,38%
	2021	814.541.013.540		3%

HRUM	2017	6.224.534.725.908	413.365.853	12%
	2018	6.776.951.532.795		9%
	2019	6.213.774.162.554		-8%
	2020	7.034.194.756.680		13%
	2021	12.479.975.596.131		77%
ITMA	2017	1.506.533.332.380	91.357.109	23%
	2018	1.820.610.981.720		21%
	2019	2.055.716.884.462		13%
	2020	2.259.860.601.635		10%
	2021	2.614.005.102.955		16%
KKGI	2017	1.299.966.664.776	98.708.750	-2%
	2018	1.698.117.665.301		31%
	2019	1.756.454.418.837		3%
	2020	1.533.048.231.715		-13%
	2021	1.886.109.338.583		23%
MBAP	2017	2.178.233.377.176	116.375.759	39%
	2018	2.512.587.623.022		15%
	2019	2.676.321.844.389		7%
	2020	2.566.730.603.710		-4%
	2021	3.677.412.944.091		43%
MYOH	2017	1.843.448.925.300	147.254.262	-7%
	2018	2.191.353.225.138		19%
	2019	2.226.686.478.948		2%
	2020	2.131.390.456.195		-4%
	2021	2.339.681.879.944		10%

SMMT	2017	725.663.914.382	660.333.414.300	9%
	2018	831.965.937.268		15%
	2019	871.513.339.763		5%
	2020	881.786.218.140		1%
	2021	1.051.640.434.770		19%
TOBA	2017	4.719.283.603.344	261.588.159	34%
	2018	7.267.776.324.714		54%
	2019	8.822.136.978.856		21%
	2020	10.887.251.555.635		23%
	2021	12.244.255.782.796		12%
BBRM	2017	1.297.102.549.836	140.246.502	-3%
	2018	1.240.928.760.942		-4%
	2019	1.077.311.889.177		-13%
	2020	524.894.414.590		-51%
	2021	480.101.937.038		-9%
CANI	2017	805.302.806.820	68.996.436	-13%
	2018	845.602.370.001		5%
	2019	559.740.251.586		-34%
	2020	507.798.350.605		-9%
	2021	323.384.768.050		-36%
FIRE	2017	457.422.862.654	333.255.213.699	37%
	2018	573.239.122.900		25%
	2019	543.257.046.224		-5%
	2020	505.302.049.812		-6%
	2021	494.252.757.734		-2%

MBSS	2017	3.252.921.405.120	188.403.358	29%
	2018	3.471.219.657.360		7%
	2019	3.032.300.612.430		-13%
	2020	2.748.487.041.300		-9%
	2021	2.534.732.103.865		-8%
PSSI	2017	1.379.307.207.516	39.989.375	15%
	2018	1.594.568.465.487		16%
	2019	1.990.602.807.233		25%
	2020	2.071.120.270.765		4%
	2021	2.300.678.624.350		11%
PTIS	2017	541.081.013.004	54.090.859	-26%
	2018	549.039.107.007		1%
	2019	512.320.242.920		-7%
	2020	498.488.049.150		-3%
	2021	525.882.853.480		5%
RIGS	2017	1.365.386.000.760	118.714.354	-14%
	2018	1.159.971.441.633		-15%
	2019	678.989.604.759		-41%
	2020	601.869.165.625		-11%
	2021	623.682.864.860		4%
TCPI	2017	2.130.881	1.865.204	14%
	2018	2.755.731		29%
	2019	3.077.535		12%
	2020	2.752.211		-11%
	2021	2.847.296		3%

TPMA	2017	1.558.318.205.028	66.245.050	75%
	2018	1.614.306.459.474		4%
	2019	1.551.849.033.384		-4%
	2020	1.463.552.671.035		-6%
	2021	1.416.289.286.220		-3%
BIPI	2017	18.201.395.736.876	1.278.633.011	5%
	2018	17.854.502.072.094		-2%
	2019	17.425.618.108.707		-2%
	2020	18.952.683.723.610		9%
	2021	13.605.787.510.405		-28%
MEDC	2017	69.918.326.790.636	3.597.130.603	45%
	2018	76.059.913.835.826		9%
	2019	83.371.573.075.321		10%
	2020	82.976.089.845.740		4%
	2021	81.103.342.779.391		-2%
SURE	2017	577.144.513.344	597.726.609.458	3%
	2018	567.535.611.311		-2%
	2019	909.963.882.315		60%
	2020	1.093.996.495.741		20%
	2021	997.439.630.855		-9%
BAJA	2017	946.448.936.464	982.626.956.424	3%
	2018	901.181.796.270		-5%
	2019	836.870.774.001		-7%
	2020	760.425.479.634		-9%
	2021	726.173.017.525		-5%

BTON	2017	183.501.650.442	177.290.628.918	3%
	2018	217.362.960.011		18%
	2019	230.561.123.774		6%
	2020	234.905.016.318		2%
	2021	270.669.540.064		15%
GDST	2017	1.374.987.178.565	1.257.610	1%
	2018	1.351.861.756.994		-2%
	2019	1.758.578.169.995		30%
	2020	1.588.136.471.649		-10%
	2021	1.583.979.016.422		2%
ISSP	2017	6.269.365	6.041.811	3%
	2018	6.494.070		4%
	2019	6.424.507		-1%
	2020	6.076.604		-5%
	2021	7.097.322		17%
KRAS	2017	55.741.701.528	3.936.713	5%
	2018	62.243.942.958		12%
	2019	45.707.002.337		-27%
	2020	49.174.952.645		8%
	2021	53.846.582.844		10%
ANTM	2017	30.014.273	29.981.535	1%
	2018	32.195.350		7%
	2019	30.194.907		-6%
	2020	31.729.513		5%
	2021	32.916.154		4%

BRMS	2017	12.011.939.248.704	3.617.845.674	7%
	2018	10.002.869.248.023		2%
	2019	8.648.498.809.400		-14%
	2020	8.295.762.262.060		-4%
	2021	13.989.954.380.094		7%
INCO	2017	29.596.405.332	2.225.492	-1%
	2018	31.893.707.412		8%
	2019	30.897.585.888		-3%
	2020	32.648.251.090		6%
	2021	35.284.782.732		8%
TBMS	2017	2.232.990.437.160	12.979.908	1%
	2018	2.765.207.133.036		2%
	2019	2.140.621.815.391		2%
	2020	2.212.132.934.830		3%
	2021	2.100.911.882.362		-5%
ALKA	2017	305.208.703	136.618.855	12%
	2018	648.968.295		1%
	2019	604.824.614		-7%
	2020	418.630.902		3%
	2021	499.393.053		19%
ALMI	2017	2.376.281.796.928	2.153.031	11%
	2018	2.781.666.374.017		17,06%
	2019	1.725.649.636.025		-38%
	2020	1.426.708.351.705		-17%
	2021	1.338.572.378.656		6%

Lampiran 1. 4 Hasil Perhitungan Struktur Aktiva Perusahaan

Struktur Aktiva = aset tetap / total aset x 100%

Kode	Tahun	Aset Tetap (Rp)	Total Aset (Rp)	Struktur Aktiva
PTBA	2017	6.199.299	21.987.482	0,281946745880224
	2018	6.547.586	24.172.933	0,270864358909198
	2019	7.272.751	26.098.052	0,278670262439511
	2020	7.863.615	24.056.755	0,326877627510444
	2021	8.321.231	36.123.703	0,230353765227225
ADRO	2017	20.410.780.044	92.318.063.556	0,221091942982739
	2018	23.310.080.181	94.448.803.617	0,246801222337605
	2019	23.943.263.113	100.324.976.605	0,238657051546292
	2020	21.713.730.675	90.011.988.430	0,241231540972858
	2021	19.935.291.245	108.257.989.784	0,184146142790713
INDY	2017	29.787.303	87.939.488	0,338724999172158
	2018	3.465.722.380.140	53.456.279.899.581	0,064832838847942
	2019	8.535.079.480.023	48.565.963.415.157	0,175741998713430
	2020	9.629.314.000.215	51.005.980.031.825	0,188787942006150
	2021	8.945.972.865.546	52.366.554.976.417	0,170833709981013
UNTR	2017	16.374.852	82.262.093	0,199057079668518
	2018	24.584.551	116.281.017	0,211423598058142
	2019	27.469.005	111.713.375	0,245888238539029
	2020	24.319.373	99.800.963	0,243678740855436
	2021	20.456.694	112.561.356	0,181738162429387
BUMI	2017	693.789.584.616	50.080.163.357.952	0,013853580701346
	2018	350.682.047.181	56.573.993.410.659	0,006198644041892
	2019	365.881.923.847	51.472.703.119.978	0,007108271018799

	2020	282.165.602.355	48.359.702.348.230	0,005834725787251
	2021	2.062.254.221.948	60.269.220.769.665	0,034217369921364
BOSS	2017	124.163.136.971	365.959.346.128	0,339281229690393
	2018	218.452.237.142	536.867.715.737	0,406901422340350
	2019	314.766.491.994	871.638.982.195	0,361120255545870
	2020	301.176.888.285	699.274.548.775	0,430699056347191
	2021	133.811.169.833	523.526.081.797	0,255595995091007
BSRR	2017	864.821.135.280	2.846.942.226.792	0,303771930157677
	2018	889.388.844.840	3.549.296.025.162	0,250581760026456
	2019	850.288.847.559	3.484.707.072.716	0,244005831714366
	2020	861.421.349.880	3.714.463.847.640	0,231910010492445
	2021	814.284.285.692	6.211.543.780.834	0,131092094722814
ARII	2017	112.340.016	4.430.941.140	0,025353533809298
	2018	1.178.232.084	5.069.291.265	0,232425406710182
	2019	1.051.541.145	5.059.435.762	0,207837631401080
	2020	1.072.967.350	5.089.112.210	0,210835860111640
	2021	1.056.234.187	5.271.967.430	0,200349148780686
BYAN	2017	3.515.278.411.572	12.041.640.420.720	0,291926871153142
	2018	4.334.444.998.893	16.665.660.005.571	0,260082408824138
	2019	4.599.929.713.489	17.766.035.749.823	0,258917058271417
	2020	4.608.212.461.125	22.846.221.435.310	0,201705672606446
	2021	6.057.853.109.553	34.726.639.253.379	0,174443978449874
CNKO	2017	501.898.057	3.705.091.478	0,135461718011595
	2018	408.959.351	2.703.608.742	0,151264250868442
	2019	377.771.318	1.635.154.338	0,231030985406590

	2020	352.518.581	1.110.213.240	0,317523308405149
	2021	327.387.659	1.206.842.636	0,271276179042783
DEWA	2017	2.331.742.838.808	5.443.588.432.200	0,428346644469894
	2018	2.441.288.421.144	6.011.040.393.792	0,406134090142745
	2019	2.461.141.509.503	7.638.858.016.897	0,322187099702469
	2020	2.700.302.118.605	7.766.771.050.220	0,347673711655053
	2021	3.061.108.964.394	8.040.532.956.862	0,380709709271395
DSSA	2017	57.859.877.136	34.502.272.519.716	0,010000000000000
	2018	6.225.513.445.404	49.044.118.776.723	0,126937002859530
	2019	6.008.976.734.786	51.697.444.562.664	0,116233535054181
	2020	6.323.630.980.030	40.907.752.923.310	0,154582702009689
	2021	5.967.692.192.820	42.950.727.299.224	0,138942750637143
DWGL	2017	45.763.529	1.093.338.613	0,041856684156091
	2018	11.497.281	1.603.630.551	0,007169532279633
	2019	12.078.648	863.888.032	0,013981728595124
	2020	11.762.221	703.672.417	0,016715478276307
	2021	11.600.505	1.245.705.842	0,009312395116792
GTBO	2017	119.702.893.368	80.562.518.148	1,485838527888320
	2018	996.683.787	843.069.816.873	0,100000000000000
	2019	803.797.523	765.258.724.224	0,110000000000000
	2020	311.353.770	791.148.843.485	0,030000000000000
	2021	533.617.793	814.541.013.540	0,060000000000000
HRUM	2017	1.090.628.266.044	6.224.534.725.908	0,175214423899757
	2018	1.189.748.475.756	6.776.951.532.795	0,175558061762516
	2019	1.041.306.492.047	6.213.774.162.554	0,167580356930610

	2020	951.004.955.355	7.034.194.756.680	0,135197416086878
	2021	838.262.840.777	12.479.975.596.131	0,067168628201234
ITMA	2017	120.740	1.506.533.332.380	0,080000000000000
	2018	1.815.569.856	1.820.610.981.720	0,090000000000000
	2019	203.607.947	2.055.716.884.462	0,090000000000000
	2020	796.650.400	2.259.860.601.635	0,030000000000000
	2021	437.772.920	2.614.005.102.955	0,010000000000000
KKGI	2017	203.629.908.288	1.299.966.664.776	0,156642407690576
	2018	412.831.574.019	1.698.117.665.301	0,243111288725580
	2019	343.788.174.883	1.756.454.418.837	0,195728492123714
	2020	297.046.391.460	1.533.048.231.715	0,193761934761634
	2021	288.429.042.727	1.886.109.338.583	0,152922758414256
MBAP	2017	442.260.342.984	2.178.233.377.176	0,203036252964489
	2018	483.430.025.826	2.512.587.623.022	0,192403250496218
	2019	414.860.776.752	2.676.321.844.389	0,155011542285831
	2020	433.645.939.545	2.566.730.603.710	0,168948754854990
	2021	323.320.286.439	3.677.412.944.091	0,087920582038121
MYOH	2017	599.616.826.956	1.843.448.925.300	0,325269020869900
	2018	618.484.103.721	2.191.353.225.138	0,282238434509823
	2019	596.146.901.081	2.226.686.478.948	0,267728262023960
	2020	460.612.118.330	2.131.390.456.195	0,216108745814830
	2021	381.043.685.238	2.339.681.879.944	0,162861322517538
SMMT	2017	60.503.697.960	725.663.914.382	0,083377024488708
	2018	49.223.079.535	831.965.937.268	0,059164777462691
	2019	871.513.339.763	871.513.339.763	1,000000000000000

	2020	16.881.405.316	881.786.218.140	0,019144555640265
	2021	12.756.164.573	1.051.640.434.770	0,012129777584855
TOBA	2017	630.721.856.280	4.719.283.603.344	0,133647796846344
	2018	698.873.796.792	7.267.776.324.714	0,096160608908049
	2019	520.111.100.073	8.822.136.978.856	0,058955228344283
	2020	452.795.353.010	10.887.251.555.635	0,041589500407533
	2021	380.528.988.139	12.244.255.782.796	0,031078163907166
BBRM	2017	1.221.615.491.832	1.297.102.549.836	0,941803323096124
	2018	1.134.294.992.280	1.240.928.760.942	0,914069387366722
	2019	971.115.908.628	1.077.311.889.177	0,901425036133104
	2020	409.332.318.850	524.894.414.590	0,779837444392952
	2021	346.894.714.906	480.101.937.038	0,722543876923670
CANI	2017	628.598.857.584	805.302.806.820	0,780574527072899
	2018	653.707.239.210	845.602.370.001	0,773066943047034
	2019	409.003.048.263	559.740.251.586	0,730701512181958
	2020	385.757.207.745	507.798.350.605	0,759666129843474
	2021	282.880.156.814	323.384.768.050	0,874747931140228
FIRE	2017	116.068.310.451	457.422.862.654	0,253744007847713
	2018	132.195.460.814	573.239.122.900	0,230611372345326
	2019	127.848.801.625	543.257.046.224	0,235337585611884
	2020	125.643.539.054	505.302.049.812	0,248650364867402
	2021	120.419.116.005	494.252.757.734	0,243638733665514
MBSS	2017	2.531.247.801.084	3.252.921.405.120	0,778146006571168
	2018	2.572.523.714.529	3.471.219.657.360	0,741100814255444
	2019	2.210.890.188.806	3.032.300.612.430	0,729113129398558

	2020	1.984.812.269.440	2.748.487.041.300	0,722147217583827
	2021	1.892.755.396.444	2.534.732.103.865	0,746727985003976
PSSI	2017	961.700.674.956	1.379.307.207.516	0,697234575238631
	2018	1.116.600.614.937	1.594.568.465.487	0,700252537978027
	2019	1.561.839.765.490	1.990.602.807.233	0,784606431687397
	2020	1.523.902.422.770	2.071.120.270.765	0,735786542327222
	2021	1.434.280.183.642	2.300.678.624.350	0,623416138378397
PTIS	2017	473.857.882.752	541.081.013.004	0,875761431954917
	2018	471.626.374.473	549.039.107.007	0,859003244858088
	2019	419.896.163.784	512.320.242.920	0,819597057869071
	2020	392.389.674.950	498.488.049.150	0,787159643283496
	2021	398.743.709.095	525.882.853.480	0,758236756449342
RIGS	2017	1.035.063.758.808	1.365.386.000.760	0,758074096432704
	2018	926.193.218.643	1.159.971.441.633	0,798462087427869
	2019	534.682.656.511	678.989.604.759	0,787468103728598
	2020	451.228.611.925	601.869.165.625	0,749712126316406
	2021	434.838.528.688	623.682.864.860	0,697210959588588
TCPI	2017	1.559.922	2.130.881	0,732054957550422
	2018	1.833.703	2.755.731	0,665414367367497
	2019	1.994.065	3.077.535	0,647942265481952
	2020	1.864.670	2.752.211	0,677517094437890
	2021	1.970.557	2.847.296	0,692080134977185
TPMA	2017	1.341.984.716.484	1.558.318.205.028	0,861175023274458
	2018	1.339.004.273.085	1.614.306.459.474	0,829461014187663
	2019	1.268.270.426.613	1.551.849.033.384	0,817264050387284

	2020	1.174.353.398.855	1.463.552.671.035	0,802399136086108
	2021	1.107.869.588.528	1.416.289.286.220	0,782233968234586
BIPI	2017	202.612.792.188	18.201.395.736.876	0,011131717320860
	2018	1.428.153.392.727	17.854.502.072.094	0,079988418997086
	2019	1.270.778.472.835	17.425.618.108.707	0,072925876425585
	2020	1.759.004.633.295	18.952.683.723.610	0,092810319580427
	2021	1.580.304.392.334	13.605.787.510.405	0,116149424730135
MEDC	2017	920.235.706.800	69.918.326.790.636	0,013161580790621
	2018	625.757.041.161	76.059.913.835.826	0,008227159479982
	2019	565.046.026.969	83.371.573.075.321	0,006777442311884
	2020	533.157.673.685	82.976.089.845.740	0,006425437432352
	2021	718.759.195.251	81.103.342.779.391	0,008862263509978
SURE	2017	543.956.528.777	577.144.513.344	0,942496231360310
	2018	520.870.056.608	567.535.611.311	0,917775107371319
	2019	568.780.032.005	909.963.882.315	0,625057810600121
	2020	553.130.060.330	1.093.996.495.741	0,505604965357176
	2021	569.668.594.742	997.439.630.855	0,571130900677852
BAJA	2017	200.831.592.410	946.448.936.464	0,212194852434745
	2018	196.210.656.527	901.181.796.270	0,217725943132804
	2019	191.224.692.945	836.870.774.001	0,228499666717685
	2020	182.079.832.722	760.425.479.634	0,239444676169500
	2021	174.541.022.309	726.173.017.525	0,240357350241248
BTON	2017	11.007.927.237	183.501.650.442	0,059988164741218
	2018	10.034.535.847	217.362.960.011	0,046164884056107
	2019	8.842.386.839	230.561.123.774	0,038351594988180

	2020	9.141.725.814	234.905.016.318	0,038916690487463
	2021	8.230.712.896	270.669.540.064	0,030408714974185
GDST	2017	11.007.927.237	183.501.650.442	0,059988164741218
	2018	10.034.535.847	217.362.960.011	0,046164884056107
	2019	8.842.386.839	230.561.123.774	0,038351594988180
	2020	9.141.725.814	234.905.016.318	0,038916690487463
	2021	8.230.712.896	270.669.540.064	0,030408714974185
ISSP	2017	814.030.768.811	1.374.987.178.565	0,592027897787789
	2018	928.656.308.043	1.351.861.756.994	0,686946208248364
	2019	1.063.118.620.711	1.758.578.169.995	0,604533047691603
	2020	1.115.768.297.113	1.588.136.471.649	0,702564494318597
	2021	1.165.659.949.983	1.583.979.016.422	0,735906181772579
KRAS	2017	2.199.589	6.269.365	0,350847175112631
	2018	2.197.050	6.494.070	0,338316340907936
	2019	2.218.844	6.424.507	0,345371870557538
	2020	2.197.790	6.076.604	0,361680636092133
	2021	2.214.814	7.097.322	0,312063338819910
ANTM	2017	35.556.143.436	55.741.701.528	0,637873306004833
	2018	41.287.836.213	62.243.942.958	0,663322955630551
	2019	30.779.552.497	45.707.002.337	0,673410001164829
	2020	25.409.226.570	49.174.952.645	0,516710748120742
	2021	25.290.817.939	53.846.582.844	0,469682876855353
BRMS	2017	20.128.155	30.014.273	0,670619441623657
	2018	19.489.671	32.195.350	0,605356705238489
	2019	18.865.691	30.194.907	0,624797122243165

	2020	18.248.068	31.729.513	0,575113396792444
	2021	16.863.748	32.916.154	0,512324374226710
INCO	2017	267.047.269.860	12.011.939.248.704	0,022231819886103
	2018	38.329.440.318	10.002.869.248.023	0,003831844580551
	2019	164.256.328.952	8.648.498.809.400	0,018992467082665
	2020	210.766.628.345	8.295.762.262.060	0,025406541519268
	2021	1.980.861.348.873	13.989.954.380.094	0,141591694658528
TBMS	2017	20.237.853.372	29.596.405.332	0,683794303564243
	2018	20.773.139.310	31.893.707.412	0,651324069718659
	2019	20.399.189.262	30.897.585.888	0,660219517989029
	2020	20.863.354.330	32.648.251.090	0,639034362743870
	2021	21.674.083.047	35.284.782.732	0,614261485230675
ALKA	2017	140.713.619.496	2.232.990.437.160	0,063015773446377
	2018	137.180.337.606	2.765.207.133.036	0,049609425625698
	2019	129.996.925.224	2.140.621.815.391	0,060728580961535
	2020	128.013.284.490	2.212.132.934.830	0,057868712351972
	2021	118.484.924.540	2.100.911.882.362	0,056396903427854
ALMI	2017	22.603.493	305.208.703	0,074059136511582
	2018	20.228.835	648.968.295	0,031170760044603
	2019	16.739.396	604.824.614	0,027676446382190
	2020	9.929.636	418.630.902	0,023719309665296
	2021	10.682.371	499.393.053	0,021390708052160

Lampiran 1. 5 Hasil Perhitungan Risiko Bisnis Perusahaan

BEPR : EBIT / total aktiva (aset)

Kode	Tahun	EBIT	Total Aset	Hasil
PTBA	2017	5.898.515.000	21.987.482	268,27
	2018	6.224.069.000	24.172.933	257,48
	2019	4.961.432.000	26.098.052	190,11
	2020	2.473.652.000	24.056.755	102,83
	2021	9.911.687.000	36.123.703	274,38
ADRO	2017	13.088.668.608.000	92.318.063.556	141,78
	2018	14.667.935.229	94.448.803.617	0,16
	2019	9.732.687.843.000	100.324.976.605	97,01
	2020	5.207.424.950.000	90.011.988.430	57,85
	2021	22.142.405.896	108.257.989.784	0,20
INDY	2017	287.443.431.612	87.939.488	3268,65
	2018	5.471.060.267.322	53.456.279.899.581	0,10
	2019	2.258.394.659.948	48.565.963.415.157	0,05
	2020	- 595.674.856.140	51.005.980.031.825	-0,01
	2021	8.924.463.489.566	52.366.554.976.417	0,17
UNTR	2017	14.479.676.000	82.262.093	176,02
	2018	7.728.373.000	116.281.017	66,46
	2019	16.841.530.000	111.713.375	150,76
	2020	16.200.846.000	99.800.963	162,33
	2021	10.499.759.000	112.561.356	93,28
BUMI	2017	- 2.188.739.295.708	50.080.163.357.952	-0,04

	2018	1.099.397.853.063	56.573.993.410.659	0,02
	2019	-	51.472.703.119.978	-0,03
	2020	-	48.359.702.348.230	-0,02
	2021	1.767.358.554.035	60.269.220.769.665	0,03
BOSS	2017	33.717.141.812	365.959.346.128	0,09
	2018	43.707.072.929	536.867.715.737	0,08
	2019	14.292.871.854	871.638.982.195	0,02
	2020	-	699.274.548.775	-0,11
	2021	71.859.550.889	523.526.081.797	-0,14
BSRR	2017	1.514.638.423.380	2.846.942.226.792	0,53
	2018	1.344.212.379.216	3.549.296.025.162	0,38
	2019	609.257.128.795	3.484.707.072.716	0,17
	2020	578.702.902.050	3.714.463.847.640	0,16
	2021	3.785.577.143.738	6.211.543.780.834	0,61
ARII	2017	-	4.430.941.140	-17,83
	2018	79.011.936.000	5.069.291.265	-20,76
	2019	-	5.059.435.762	-20,01
	2020	101.227.082.000	5.089.112.210	-38,51
	2021	196.003.080.000	5.271.967.430	25,93
BYAN	2017	136.682.751.000	12.041.640.420.720	0,50
	2018	6.062.579.197.212	16.665.660.005.571	0,60
	2019	10.061.669.594.700	17.766.035.749.823	0,25
	2020	4.400.249.521.841	22.846.221.435.310	0,28
	2021	6.360.489.912.140	34.726.639.253.379	0,69

CNKO	2017	- 1.149.917.837	3.705.091.478	-0,31
	2018	- 436.840.653	2.703.608.742	-0,16
	2019	18.582.636	1.635.154.338	0,01
	2020	47.021.308	1.110.213.240	0,04
	2021	89.988.994	1.206.842.636	0,07
DEWA	2017	221.074.705.980	5.443.588.432.200	0,04
	2018	94.926.893.832	6.011.040.393.792	0,02
	2019	108.747.536.901	7.638.858.016.897	0,01
	2020	- 46.444.690.110	7.766.771.050.220	-0,01
	2021	316.679.479.570	8.040.532.956.862	0,04
DSSA	2017	4.003.826.702.328	34.502.272.519.716	0,12
	2018	4.770.060.804.540	49.044.118.776.723	0,10
	2019	3.306.717.945.864	51.697.444.562.664	0,06
	2020	2.449.252.005.200	40.907.752.923.310	0,06
	2021	7.093.666.516.852	42.950.727.299.224	0,17
DWGL	2017	- 68.258.275	1.093.338.613	-0,06
	2018	26.329.004	1.603.630.551	0,02
	2019	12.119.115	863.888.032	0,01
	2020	143.506.227	703.672.417	0,20
	2021	123.005.516	1.245.705.842	0,10
GTBO	2017	- 1.755.780.156	80.562.518.148	- 0,02
	2018	29.066.190.795	843.069.816.873	0,03
	2019	- 51.594.882.095	765.258.724.224	- 0,07
	2020	- 18.843.786.325	791.148.843.485	- 0,02

	2021	- 3.225.279.146	814.541.013.540	- 0,00
HRUM	2017	976.583.342.628	6.224.534.725.908	0,2
	2018	739.104.722.739	6.776.951.532.795	0,1
	2019	330.352.538.660	6.213.774.162.554	0,1
	2020	88.774.584.990	7.034.194.756.680	0,01
	2021	1.886.644.611.580	12.479.975.596.131	0,2
ITMA	2017	- 1.885.922.244	1.506.533.332.380	- 0,001
	2018	- 3.162.911.058	1.820.610.981.720	- 0,002
	2019	- 2.361.807.702	2.055.716.884.462	- 0,001
	2020	670.763.275	2.259.860.601.635	0,000
	2021	990.996.319	2.614.005.102.955	0,0004
KKGI	2017	261.664.229.472	1.299.966.664.776	0,2
	2018	39.252.560.625	1.698.117.665.301	0,02
	2019	79.452.110.768	1.756.454.418.837	0,05
	2020	- 45.865.708.070	1.533.048.231.715	- 0,03
	2021	477.361.575.588	1.886.109.338.583	0,3
MBAP	2017	1.063.385.581.848	2.178.233.377.176	0,5
	2018	972.942.607.449	2.512.587.623.022	0,4
	2019	672.797.710.131	2.676.321.844.389	0,3
	2020	514.888.412.220	2.566.730.603.710	0,2
	2021	1.835.734.203.673	3.677.412.944.091	0,5
MYOH	2017	243.509.530.128	1.843.448.925.300	0,1
	2018	601.710.587.649	2.191.353.225.138	0,3
	2019	453.166.275.045	2.226.686.478.948	0,2

	2020	400.243.635.155	2.131.390.456.195	0,2
	2021	464.218.899.103	2.339.681.879.944	0,2
SMMT	2017	- 17.040.781.153	725.663.914.382	- 0,02
	2018	7.823.360.601	831.965.937.268	0,01
	2019	- 97.868.747	871.513.339.763	- 0,0001
	2020	- 28.140.350.937	881.786.218.140	- 0,03
	2021	120.768.169.505	1.051.640.434.770	0,1
TOBA	2017	868.101.255.108	4.719.283.603.344	0,2
	2018	1.250.910.774.900	7.267.776.324.714	0,2
	2019	969.307.235.617	8.822.136.978.856	0,1
	2020	212.425.334.030	10.887.251.555.635	0,0
	2021	737.627.579.097	12.244.255.782.796	0,1
BBRM	2017	- 39.387.775.248	1.297.102.549.836	- 0,03
	2018	- 37.668.455.073	1.240.928.760.942	- 0,03
	2019	- 26.529.141.034	1.077.311.889.177	- 0,02
	2020	285.487.753.005	524.894.414.590	1
	2021	17.384.036.852	480.101.937.038	0,04
CANI	2017	- 65.624.926.884	805.302.806.820	- 0,1
	2018	- 133.279.243.092	845.602.370.001	- 0,2
	2019	- 77.200.982.828	559.740.251.586	- 0,1
	2020	- 28.628.100.410	507.798.350.605	- 0,1
	2021	- 39.054.224.462	323.384.768.050	- 0,1
FIRE	2017	12.398.849.671	457.422.862.654	0,03
	2018	21.098.490.729	573.239.122.900	0,04

	2019	41.937.869.629	543.257.046.224	0,1
	2020	73.641.133.348	505.302.049.812	0,1
	2021	- 35.245.869.278	494.252.757.734	- 0,1
MBSS	2017	- 84.373.895.700	3.252.921.405.120	- 0,03
	2018	- 69.798.492.405	3.471.219.657.360	- 0,02
	2019	95.056.122.278	3.032.300.612.430	0,03
	2020	- 94.118.842.545	2.748.487.041.300	- 0,03
	2021	111.615.171.566	2.534.732.103.865	0,04
PSSI	2017	91.540.923.180	1.379.307.207.516	0,1
	2018	162.108.959.157	1.594.568.465.487	0,1
	2019	181.002.252.008	1.990.602.807.233	0,1
	2020	97.119.723.610	2.071.120.270.765	0,0
	2021	409.281.351.326	2.300.678.624.350	0,2
PTIS	2017	- 1.180.897.872	541.081.013.004	- 0,002
	2018	17.825.720.013	549.039.107.007	0,03
	2019	12.079.079.336	512.320.242.920	0,02
	2020	5.495.082.320	498.488.049.150	0,01
	2021	5.316.814.897	525.882.853.480	0,01
RIGS	2017	- 48.181.470.444	1.365.386.000.760	- 0,04
	2018	29.436.788.547	1.159.971.441.633	0,03
	2019	46.773.765.077	678.989.604.759	0,1
	2020	- 17.167.999.485	601.869.165.625	- 0,03
	2021	32.257.386.078	623.682.864.860	0,1
TCPI	2017	188.839.000	2.130.881	89

	2018	369.836.000	2.755.731	134
	2019	404.463.000	3.077.535	131
	2020	169.281.000	2.752.211	62
	2021	183.361.000	2.847.296	64
TPMA	2017	102.618.594.408	1.558.318.205.028	0,1
	2018	151.002.872.055	1.614.306.459.474	0,1
	2019	147.165.118.957	1.551.849.033.384	0,1
	2020	59.894.329.495	1.463.552.671.035	0,04
	2021	78.765.151.111	1.416.289.286.220	0,1
BIPI	2017	-	18.201.395.736.876	-
	2018	119.935.797.036	17.854.502.072.094	0,006
	2019	173.931.580.620	17.425.618.108.707	0,009
	2020	724.939.874.596	18.952.683.723.610	0,04
	2021	811.747.841.905	13.605.787.510.405	0,04
MEDC	2017	614.586.948.120	69.918.326.790.636	0,1
	2018	4.930.789.953.036	76.059.913.835.826	0,1
	2019	6.876.797.477.517	83.371.573.075.321	0,1
	2020	4.845.538.461.612	82.976.089.845.740	0,0
	2021	1.379.763.455.980	81.103.342.779.391	0,1
SURE	2017	4.734.990.115.102	577.144.513.344	0,1
	2018	35.012.491.667	567.535.611.311	0,1
	2019	52.623.519.363	909.963.882.315	0,1
	2020	56.886.352.987	1.093.996.495.741	0,03
	2021	34.154.640.175	997.439.630.855	0,03
		-	-	-
	2021	34.043.561.185		0,03

BAJA	2017	- 8.955.016.294	946.448.936.464	- 0,01
	2018	- 32.540.055.560	901.181.796.270	- 0,03
	2019	2.159.390.944	836.870.774.001	0,02
	2020	81.007.127.712	760.425.479.634	0,1
	2021	174.096.353.342	726.173.017.525	0,2
BTON	2017	12.280.499.395	183.501.650.442	0,1
	2018	23.254.568.703	217.362.960.011	0,1
	2019	5.433.237.057	230.561.123.774	0,02
	2020	- 785.787.384	234.905.016.318	- 0,03
	2021	10.341.329.775	270.669.540.064	0,03
GDST	2017	31.591.353.396	1.374.987.178.565	0,02
	2018	- 118.079.475.481	1.351.861.756.994	- 0,1
	2019	36.240.094.605	1.758.578.169.995	0,02
	2020	- 10.488.794.602	1.588.136.471.649	- 0,01
	2021	- 31.727.965.540	1.583.979.016.422	- 0,02
ISSP	2017	218.803.000	6.269.365	35
	2018	248.787.000	6.494.070	38
	2019	371.526.000	6.424.507	58
	2020	299.717.000	6.076.604	49
	2021	704.704.000	7.097.322	99
KRAS	2017	669.569.256.000	55.741.701.528	12
	2018	- 212.725.890.000	62.243.942.958	- 3
	2019	- 3.401.741.512.000	45.707.002.337	- 74
	2020	1.890.620.095.000	49.174.952.645	38

	2021	934.063.009.000	53.846.582.844	17
ANTM	2017	600.606.318.000	30.014.273	20.011
	2018	1.846.131.425.420	32.195.350	57.342
	2019	1.236.202.599.000	30.194.907	40.941
	2020	2.293.028.000.000	31.729.513	72.268
	2021	4.021.417.000.000	32.916.154	122.172
BRMS	2017	- 66.947.374.260	12.011.939.248.704	- 0,01
	2018	- 70.199.051.346	10.002.869.248.023	- 0,01
	2019	14.985.236.297	8.648.498.809.400	0,001
	2020	107.543.868.705	8.295.762.262.060	0,01
	2021	32.216.833.580	13.989.954.380.094	0,002
INCO	2017	- 277.679.808.000	29.596.405.332	- 9
	2018	1.194.392.880.000	31.893.707.412	37
	2019	1.244.417.520.000	30.897.585.888	40
	2020	1.500.687.370.000	32.648.251.090	46
	2021	3.149.439.411.000	35.284.782.732	89
TBMS	2017	205.217.666.148	2.232.990.437.160	92
	2018	216.589.044.294	2.765.207.133.036	0,07
	2019	168.149.873.943	2.140.621.815.391	0,07
	2020	109.821.036.325	2.212.132.934.830	0,04
	2021	155.795.762.582	2.100.911.882.362	0,07
ALKA	2017	26.199.883	305.208.703	0,08
	2018	31.301.028	648.968.295	0,04
	2019	10.765.600	604.824.614	0,01

	2020	8.048.717	418.630.902	0,01
	2021	16.569.894	499.393.053	0,03
ALMI	2017	657.394.340.313.060	2.376.281.796.928	277
	2018	1.620.987.599.265.940	2.781.666.374.017	583
	2019	- 190.220.964.277	1.725.649.636.025	- 0,11
	2020	- 130.502.732.360	1.426.708.351.705	- 0,09
	2021	15.542.080.180	1.338.572.378.656	0,01

