

Lampiran 1. Perusahaan Sampel Penelitian

No.	Nama Perusahaan	Kode
1	Aneka Tambang Tbk.	ANTM
2	Cita Mineral Investindo Tbk.	CITA
3	Citatah Tbk.	CTTH
4	Central Omega Resources Tbk.	DKFT
5	Elnusa Tbk.	ELSA
6	Mitra Investindo Tbk.	MITI
7	Capitalinc Investment Tbk.	MTFN
8	Perdana Karya Perkasa Tbk	PKPK
9	Bukit Asam Tbk.	PTBA
10	Radiant Utama Interinsco Tbk.	RUIS
11	Golden Eagle Energy Tbk.	SMMT
12	Timah Tbk.	TINS

Sumber: Data diolah (2019)

Lampiran 2. Data Ukuran perusahaan Periode 2013-2018

No.	Nama Perusahaan	Kode	Tahun	Total Asset (Rp)	Ukuran Perusahaan
1	Aneka Tambang Tbk.	ANTM	2013	21.865.117.391.000	30,716
			2014	22.044.202.220.000	30,724
			2015	30.356.850.890.000	31,044
			2016	29.981.535.812.000	31,032
			2017	30.014.273.452.000	31,033
			2018	33.306.390.807.000	31,137
2	Cita Mineral Investindo Tbk.	CITA	2013	3.773.605.646.333	28,959
			2014	2.790.120.638.838	28,657
			2015	2.795.962.339.721	28,659
			2016	2.726.213.720.854	28,634
			2017	2.678.250.712.668	28,616
			2018	3.268.567.743.522	28,815
3	Citatah Tbk.	CTTH	2013	326.960.068.946	26,513
			2014	366.053.299.896	26,626
			2015	605.667.034.867	27,130
			2016	615.962.000.265	27,146
			2017	700.251.764.864	27,275
			2018	735.774.891.577	27,324
4	Central Omega Resources Tbk.	DKFT	2013	1.595.227.650.833	28,098
			2014	1.191.604.000.000	27,806
			2015	1.363.051.086.590	27,941
			2016	1.876.253.284.461	28,260
			2017	2.267.555.826.969	28,450
			2018	2.656.465.232.390	28,608
5	Elnusa Tbk.	ELSA	2013	4.370.964.000.000	29,106
			2014	4.245.704.000.000	29,077
			2015	4.407.513.000.000	29,114
			2016	4.190.956.000.000	29,064
			2017	4.855.369.000.000	29,211
			2018	5.657.327.000.000	29,364
6	Mitra Investindo Tbk.	MITI	2013	156.993.369.479	25,779
			2014	362.678.809.663	26,617
			2015	248.928.487.814	26,240
			2016	229.448.521.647	26,159
			2017	233.726.526.183	26,177
			2018	148.265.325.310	25,722
7	Capitalinc Investment Tbk.	MTFN	2013	818.100.288.975	27,430
			2014	3.071.795.345.968	28,753
			2015	1.662.833.937.736	28,140
			2016	308.063.941.040	26,454
			2017	771.042.697.125	27,371
			2018	1.126.221.625.219	27,750
8	Perdana Karya Perkasa Tbk	PKPK	2013	361.548.802.000	26,614
			2014	303.255.000.000	26,438
			2015	170.598.564.000	25,863
			2016	157.702.767.000	25,784
			2017	137.363.302.000	25,646
			2018	127.894.510.000	25,574
9	Bukit Asam Tbk.	PTBA	2013	11.677.155.000.000	30,089
			2014	14.812.023.000.000	30,326
			2015	16.894.043.000.000	30,458
			2016	18.576.774.000.000	30,553
			2017	21.987.482.000.000	30,721
			2018	24.172.933.000.000	30,816

No.	Nama Perusahaan	Kode	Tahun	Total Asset (Rp)	Ukuran Perusahaan
10	Radiant Utama Interinsco Tbk.	RUIS	2013	1.277.942.893.245	27,876
			2014	1.264.142.659.644	27,865
			2015	1.091.753.891.437	27,719
			2016	979.132.450.762	27,610
			2017	959.347.737.750	27,590
			2018	990.372.318.692	27,621
11	Golden Eagle Energy Tbk.	SMMT	2013	626.650.331.630	27,164
			2014	724.974.385.620	27,309
			2015	712.785.113.458	27,292
			2016	636.742.340.559	27,180
			2017	725.663.914.382	27,310
			2018	831.965.937.268	27,447
12	Timah Tbk.	TINS	2013	7.883.294.000.000	29,696
			2014	9.752.477.000.000	29,909
			2015	9.279.683.000.000	29,859
			2016	9.548.631.000.000	29,887
			2017	11.876.309.000.000	30,106
			2018	15.117.948.000.000	30,347

Lampiran 3. Data Profitabilitas Periode 2013-2018

No.	Kode	Tahun	Lab a Setelah Pajak	Total Asset	Profitabilitas (ROA)
1	ANTM	2013	409.947.369.000	21.865.117.391.000	1,875%
		2014	(775.286.289.000)	22.044.202.220.000	-3,517%
		2015	(1.440.852.896.000)	30.356.850.890.000	-4,746%
		2016	64.806.188.000	29.981.535.812.000	0,216%
		2017	136.503.269.000	30.014.273.452.000	0,455%
		2018	874.426.593.000	33.306.390.807.000	2,625%
2	CITA	2013	686.686.707.095	3.773.605.646.333	18,197%
		2014	(384.699.345.184)	2.790.120.638.838	-13,788%
		2015	(341.205.918.018)	2.795.962.339.721	-12,204%
		2016	(265.247.346.551)	2.726.213.720.854	-9,730%
		2017	47.493.344.496	2.678.250.712.668	1,773%
		2018	661.324.058.495	3.268.567.743.522	20,233%
3	CTTH	2013	484.079.776	326.960.068.946	0,148%
		2014	1.014.318.138	366.053.299.896	0,277%
		2015	1.949.752.745	605.667.034.867	0,322%
		2016	20.881.438.764	615.962.000.265	3,390%
		2017	4.716.765.807	700.251.764.864	0,674%
		2018	5.205.032.919	735.774.891.577	0,707%
4	DKFT	2013	343.606.394.198	1.595.227.650.833	21,540%
		2014	(45.839.000.000)	1.191.604.000.000	-3,847%
		2015	(32.644.552.934)	1.363.051.086.590	-2,395%
		2016	(87.161.029.519)	1.876.253.284.461	-4,645%
		2017	(44.593.748.354)	2.267.555.826.969	-1,967%
		2018	(93.547.077.149)	2.656.465.232.390	-3,521%
5	ELSA	2013	242.605.000.000	4.370.964.000.000	5,550%
		2014	418.092.000.000	4.245.704.000.000	9,847%
		2015	379.745.000.000	4.407.513.000.000	8,616%
		2016	316.066.000.000	4.190.956.000.000	7,542%
		2017	250.754.000.000	4.855.369.000.000	5,164%
		2018	276.316.000.000	5.657.327.000.000	4,884%
6	MITI	2013	22.002.615.533	156.993.369.479	14,015%
		2014	7.609.223.732	362.678.809.663	2,098%
		2015	(195.214.433.022)	248.928.487.814	-78,422%
		2016	(21.270.477.152)	229.448.521.647	-9,270%
		2017	(22.740.467.841)	233.726.526.183	-9,730%
		2018	9.067.879.591	148.265.325.310	6,116%
7	MTFN	2013	207.905.850.256	818.100.288.975	25,413%
		2014	(1.572.598.587.907)	3.071.795.345.968	-51,195%
		2015	(250.985.494.427)	1.662.833.937.736	-15,094%
		2016	(1.211.688.054.753)	308.063.941.040	-393,324%
		2017	14.329.054.549	771.042.697.125	1,858%
		2018	8.736.522.529	1.126.221.625.219	0,776%
8	PKPK	2013	334.000.000	361.548.802.000	0,092%
		2014	(28.431.000.000)	303.255.000.000	-9,375%
		2015	(61.713.327.000)	170.598.564.000	-36,175%
		2016	(13.670.278.000)	157.702.767.000	-8,668%
		2017	(10.440.092.000)	137.363.302.000	-7,600%
		2018	(3.829.849.000)	127.894.510.000	-2,995%
9	PTBA	2013	1.854.281.000.000	11.677.155.000.000	15,880%
		2014	2.019.214.000.000	14.812.023.000.000	13,632%
		2015	2.037.111.000.000	16.894.043.000.000	12,058%
		2016	2.024.405.000.000	18.576.774.000.000	10,898%
		2017	4.547.232.000.000	21.987.482.000.000	20,681%
		2018	5.121.112.000.000	24.172.933.000.000	21,185%

No.	Kode	Tahun	Laba Setelah Pajak	Total Asset	Profitabilitas (ROA)
10	RUIS	2013	29.635.487.726	1.277.942.893.245	2,319%
		2014	55.705.494.936	1.264.142.659.644	4,407%
		2015	41.281.106.302	1.091.753.891.437	3,781%
		2016	26.070.316.770	979.132.450.762	2,663%
		2017	20.922.363.433	959.347.737.750	2,181%
		2018	27.055.086.453	990.372.318.692	2,732%
11	SMMT	2013	19.337.808.450	626.650.331.630	3,086%
		2014	(3.502.096.211)	724.974.385.620	-0,483%
		2015	(60.578.867.106)	712.785.113.458	-8,499%
		2016	(18.281.061.731)	636.742.340.559	-2,871%
		2017	40.078.001.432	725.663.914.382	5,523%
		2018	84.584.567.691	831.965.937.268	10,167%
12	TINS	2013	580.570.000.000	7.883.294.000.000	7,365%
		2014	637.954.000.000	9.752.477.000.000	6,541%
		2015	101.561.000.000	9.279.683.000.000	1,094%
		2016	251.969.000.000	9.548.631.000.000	2,639%
		2017	502.417.000.000	11.876.309.000.000	4,230%
		2018	531.349.000.000	15.117.948.000.000	3,515%

Lampiran 4. Data Likuiditas Periode 2013-2018

No.	Kode	Tahun	Asset Lancar (Rp)	Kewajiban Lancar (Rp)	Current Ratio (CR)
1	ANTM	2013	7.080.437.173.000	3.855.511.633.000	183,645%
		2014	6.343.109.936.000	3.862.917.319.000	164,205%
		2015	11.252.826.560.000	4.339.330.380.000	259,322%
		2016	10.630.221.568.000	4.352.313.598.000	244,243%
		2017	9.001.938.755.000	5.552.461.635.000	162,125%
		2018	8.498.442.636.000	5.511.744.144.000	154,188%
2	CITA	2013	2.166.790.713.027	1.134.550.637.434	190,982%
		2014	1.130.395.943.638	742.973.680.223	152,145%
		2015	709.948.658.721	941.223.580.625	75,428%
		2016	814.627.947.529	700.905.862.097	116,225%
		2017	770.160.984.827	1.417.754.496.899	54,323%
		2018	638.132.615.903	1.369.124.187.467	46,609%
3	CTTH	2013	231.766.295.200	214.802.881.607	107,897%
		2014	274.529.892.516	252.616.548.189	108,675%
		2015	319.565.858.417	170.150.582.882	187,814%
		2016	331.400.378.677	174.969.312.764	189,405%
		2017	417.419.813.576	220.836.288.637	189,018%
		2018	451.689.004.422	242.087.352.682	186,581%
4	DKFT	2013	1.224.416.598.956	124.456.870.506	983,808%
		2014	753.230.000.000	43.388.000.000	1736,033%
		2015	837.886.639.462	41.546.415.133	2016,748%
		2016	516.295.688.919	316.816.333.838	162,964%
		2017	495.209.951.135	618.715.726.891	80,038%
		2018	810.246.912.624	992.665.913.482	81,623%
5	ELSA	2013	2.492.219.000.000	1.560.197.000.000	159,737%
		2014	2.236.668.000.000	1.378.311.000.000	162,276%
		2015	2.079.319.000.000	1.448.585.000.000	143,541%
		2016	1.865.116.000.000	1.254.181.000.000	148,712%
		2017	2.379.465.000.000	1.757.781.000.000	135,368%
		2018	3.158.507.000.000	2.116.898.000.000	149,204%
6	MITI	2013	98.515.506.083	25.220.775.266	390,613%
		2014	145.110.640.550	57.931.096.147	250,488%
		2015	218.248.731.350	117.280.609.454	186,091%
		2016	205.138.864.713	120.437.594.367	170,328%
		2017	157.296.460.281	126.344.141.646	124,498%
		2018	83.847.347.946	46.673.092.545	179,648%
7	MTFN	2013	457.412.628.901	286.764.520.585	159,508%
		2014	480.964.035.125	250.672.358.271	191,870%
		2015	521.395.313.675	291.481.963.988	178,877%
		2016	458.754.440.168	287.772.294.243	159,416%
		2017	409.096.248.313	306.305.912.173	133,558%
		2018	441.758.405.002	321.418.693.015	137,440%
8	PKPK	2013	256.689.000.000	176.353.000.000	145,554%
		2014	187.189.000.000	155.931.000.000	120,046%
		2015	69.563.977.000	86.263.922.000	80,641%
		2016	61.433.458.000	86.910.409.000	70,686%
		2017	41.985.982.000	3.066.607.000	1369,135%
		2018	36.732.710.000	329.996.000	11131,26%
9	PTBA	2013	6.479.783.000.000	2.260.956.000.000	286,595%
		2014	7.416.805.000.000	3.574.129.000.000	207,514%
		2015	7.598.476.000.000	4.922.733.000.000	154,355%
		2016	8.349.927.000.000	5.042.747.000.000	165,583%
		2017	11.117.745.000.000	4.396.619.000.000	252,870%
		2018	11.739.344.000.000	4.935.696.000.000	237,846%

No.	Kode	Tahun	Asset Lancar (Rp)	Kewajiban Lancar (Rp)	Current Ratio (CR)
10	RUIS	2013	765.650.147.456	645.157.795.731	118,676%
		2014	705.457.530.595	728.273.748.903	96,867%
		2015	563.676.452.270	651.582.818.206	86,509%
		2016	452.284.971.991	504.510.336.330	89,648%
		2017	473.183.146.618	471.048.328.188	100,453%
		2018	524.126.165.449	473.216.197.423	110,758%
11	SMMT	2013	183.290.996.468	38.943.695.521	470,656%
		2014	160.663.317.659	133.157.267.853	120,657%
		2015	127.208.165.566	167.590.602.690	75,904%
		2016	21.670.034.777	81.577.226.463	26,564%
		2017	25.788.635.032	120.678.159.590	21,370%
		2018	57.750.932.681	175.830.166.003	32,845%
12	TINS	2013	5.248.813.000.000	2.439.590.000.000	215,151%
		2014	6.552.176.000.000	3.512.730.000.000	186,527%
		2015	5.444.199.000.000	2.998.953.000.000	181,537%
		2016	5.237.907.000.000	3.061.232.000.000	171,105%
		2017	6.996.966.000.000	3.402.526.000.000	205,640%
		2018	9.204.287.000.000	6.176.251.000.000	149,027%

Lampiran 5. Data Struktur Modal Periode 2013-2018

No.	Kode	Tahun	Total Hutang (Rp)	Total Ekuitas (Rp)	Debt Equity Ratio (DER)
1	ANTM	2013	9.071.629.859.000	12.793.487.532.000	0,709
		2014	10.114.640.953.000	11.929.561.267.000	0,848
		2015	12.040.131.928.000	18.316.718.962.000	0,657
		2016	11.572.740.239.000	18.408.795.573.000	0,629
		2017	11.523.869.935.000	18.490.403.517.000	0,623
		2018	13.567.160.084.000	19.739.230.723.000	0,687
2	CITA	2013	1.675.330.425.082	2.098.275.221.251	0,798
		2014	1.145.347.157.152	1.644.773.481.686	0,696
		2015	1.503.924.741.603	1.292.037.598.118	1,164
		2016	1.763.384.737.866	962.828.982.988	1,831
		2017	1.763.755.821.001	914.494.891.667	1,929
		2018	1.768.872.308.186	1.499.695.435.336	1,179
3	CTTH	2013	247.724.204.360	79.235.864.586	3,126
		2014	285.803.117.172	80.250.182.724	3,561
		2015	316.679.237.740	288.987.797.127	1,096
		2016	301.007.248.281	314.954.751.984	0,956
		2017	378.839.294.845	321.412.470.019	1,179
		2018	408.160.870.584	327.614.020.993	1,246
4	DKFT	2013	142.012.240.342	1.453.215.410.491	0,098
		2014	57.005.000.000	1.134.599.000.000	0,050
		2015	55.506.129.459	1.307.544.957.131	0,042
		2016	662.191.960.467	1.214.061.323.994	0,545
		2017	1.098.118.585.225	1.169.437.241.744	0,939
		2018	1.579.641.908.492	1.076.823.323.898	1,467
5	ELSA	2013	2.085.850.000.000	2.285.114.000.000	0,913
		2014	1.662.708.000.000	2.582.996.000.000	0,644
		2015	1.772.327.000.000	2.635.186.000.000	0,673
		2016	1.313.213.000.000	2.877.743.000.000	0,456
		2017	1.803.449.000.000	3.051.920.000.000	0,591
		2018	2.357.127.000.000	3.300.200.000.000	0,714
6	MITI	2013	45.429.682.728	111.563.686.751	0,407
		2014	88.898.918.712	273.779.890.951	0,325
		2015	138.014.959.336	110.913.528.478	1,244
		2016	142.275.119.991	87.173.401.656	1,632
		2017	150.751.042.237	82.975.483.946	1,817
		2018	72.684.177.647	75.581.147.663	0,962
7	MTFN	2013	289.202.240.883	328.061.638.136	0,882
		2014	252.281.536.050	2.888.781.172.357	0,087
		2015	292.287.618.446	2.889.000.306.889	0,101
		2016	287.772.294.243	234.438.418.804	1,227
		2017	306.342.221.543	227.817.176.991	1,345
		2018	321.455.002.384	245.366.552.839	1,310
8	PKPK	2013	186.390.000.000	175.158.000.000	1,064
		2014	156.520.000.000	146.735.000.000	1,067
		2015	87.083.601.000	83.514.963.000	1,043
		2016	87.917.337.000	69.785.430.000	1,260
		2017	78.040.266.000	59.323.036.000	1,316
		2018	72.315.757.000	55.578.753.000	1,301
9	PTBA	2013	4.125.586.000.000	7.551.569.000.000	0,546
		2014	6.141.181.000.000	8.670.842.000.000	0,708
		2015	7.606.496.000.000	9.287.547.000.000	0,819
		2016	8.024.369.000.000	10.552.405.000.000	0,760
		2017	8.187.497.000.000	13.799.985.000.000	0,593
		2018	7.903.237.000.000	16.269.696.000.000	0,486

No.	Kode	Tahun	Total Hutang (Rp)	Total Ekuitas (Rp)	Debt Equity Ratio (DER)
10	RUIS	2013	1.016.044.813.680	261.898.079.565	3,880
		2014	953.560.118.388	310.582.541.256	3,070
		2015	753.340.426.009	338.413.465.428	2,226
		2016	619.413.387.232	359.719.063.530	1,722
		2017	579.058.872.159	380.288.865.591	1,523
		2018	584.415.358.540	405.956.960.152	1,440
11	SMMT	2013	162.422.398.419	464.227.933.211	0,350
		2014	266.787.049.838	458.187.335.782	0,582
		2015	313.673.790.462	399.111.322.996	0,786
		2016	255.549.688.996	381.192.651.563	0,670
		2017	306.303.664.687	419.360.249.695	0,730
		2018	342.430.970.325	489.534.966.943	0,700
12	TINS	2013	2.991.184.000.000	5.252.835.000.000	0,569
		2014	4.144.235.000.000	5.608.242.000.000	0,739
		2015	3.908.615.000.000	5.371.068.000.000	0,728
		2016	3.894.946.000.000	5.653.685.000.000	0,689
		2017	5.814.816.000.000	6.061.493.000.000	0,959
		2018	8.596.067.000.000	6.521.881.000.000	1,318

Lampiran 6. Data Berpasangan Variabel Penelitian

No.	Kode	Tahun	Ukuran Perusahaan X1	Profitabilitas (ROA) X2	Current Ratio (CR) X3	Debt Equity Ratio (DER) Y
1	ANTM	2013	30,716	1,875	183,645	0,709
	ANTM	2014	30,724	-3,517	164,205	0,848
	ANTM	2015	31,044	-4,746	259,322	0,657
	ANTM	2016	31,032	0,216	244,243	0,629
	ANTM	2017	31,033	0,455	162,125	0,623
	ANTM	2018	31,137	2,625	154,188	0,687
2	CITA	2013	28,959	18,197	190,982	0,798
	CITA	2014	28,657	-13,788	152,145	0,696
	CITA	2015	28,659	-12,204	75,428	1,164
	CITA	2016	28,634	-9,730	116,225	1,831
	CITA	2017	28,616	1,773	54,323	1,929
	CITA	2018	28,815	20,233	46,609	1,179
3	CTTH	2013	26,513	0,148	107,897	3,126
	CTTH	2014	26,626	0,277	108,675	3,561
	CTTH	2015	27,130	0,322	187,814	1,096
	CTTH	2016	27,146	3,390	189,405	0,956
	CTTH	2017	27,275	0,674	189,018	1,179
	CTTH	2018	27,324	0,707	186,581	1,246
4	DKFT	2013	28,098	21,540	983,808	0,098
	DKFT	2014	27,806	-3,847	1736,033	0,050
	DKFT	2015	27,941	-2,395	2016,748	0,042
	DKFT	2016	28,260	-4,645	162,964	0,545
	DKFT	2017	28,450	-1,967	80,038	0,939
	DKFT	2018	28,608	-3,521	81,623	1,467
5	ELSA	2013	29,106	5,550	159,737	0,913
	ELSA	2014	29,077	9,847	162,276	0,644
	ELSA	2015	29,114	8,616	143,541	0,673
	ELSA	2016	29,064	7,542	148,712	0,456
	ELSA	2017	29,211	5,164	135,368	0,591
	ELSA	2018	29,364	4,884	149,204	0,714
6	MITI	2013	25,779	14,015	390,613	0,407
	MITI	2014	26,617	2,098	250,488	0,325
	MITI	2015	26,240	-78,422	186,091	1,244
	MITI	2016	26,159	-9,270	170,328	1,632
	MITI	2017	26,177	-9,730	124,498	1,817
	MITI	2018	25,722	6,116	179,648	0,962
7	MTFN	2013	27,430	25,413	159,508	0,882
	MTFN	2014	28,753	-51,195	191,870	0,087
	MTFN	2015	28,140	-15,094	178,877	0,101
	MTFN	2016	26,454	-393,324	159,416	1,227
	MTFN	2017	27,371	1,858	133,558	1,345
	MTFN	2018	27,750	0,776	137,440	1,310
8	PKPK	2013	26,614	0,092	145,554	1,064
	PKPK	2014	26,438	-9,375	120,046	1,067
	PKPK	2015	25,863	-36,175	80,641	1,043
	PKPK	2016	25,784	-8,668	70,686	1,260
	PKPK	2017	25,646	-7,600	1369,135	1,316
	PKPK	2018	25,574	-2,995	11131,259	1,301
9	PTBA	2013	30,089	15,880	286,595	0,546
	PTBA	2014	30,326	13,632	207,514	0,708
	PTBA	2015	30,458	12,058	154,355	0,819
	PTBA	2016	30,553	10,898	165,583	0,760
	PTBA	2017	30,721	20,681	252,870	0,593

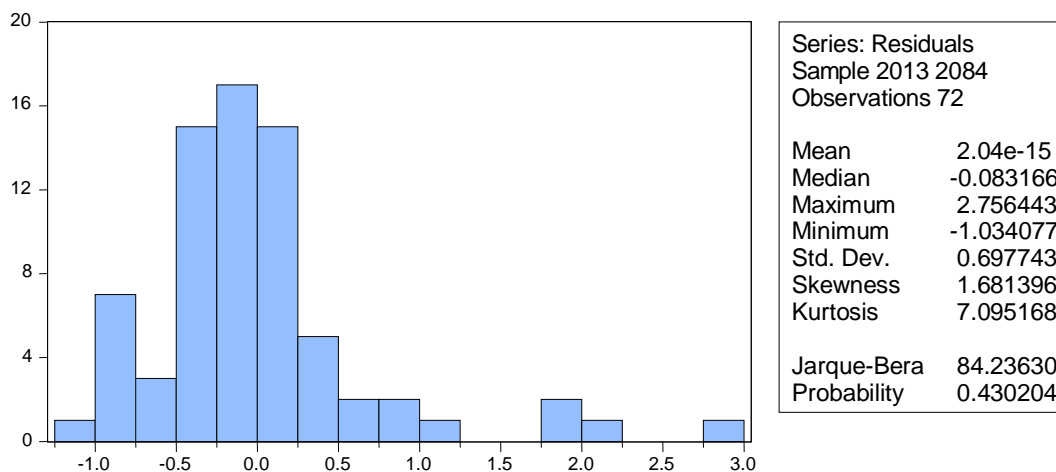
No.	Kode	Tahun	Ukuran Perusahaan X1	Profitabilitas (ROA) X2	Current Ratio (CR) X3	Debt Equity Ratio (DER) Y
	PTBA	2018	30,816	21,185	237,846	0,486
10	RUIS	2013	27,876	2,319	118,676	3,880
	RUIS	2014	27,865	4,407	96,867	3,070
	RUIS	2015	27,719	3,781	86,509	2,226
	RUIS	2016	27,610	2,663	89,648	1,722
	RUIS	2017	27,590	2,181	100,453	1,523
	RUIS	2018	27,621	2,732	110,758	1,440
11	SMMT	2013	27,164	3,086	470,656	0,350
	SMMT	2014	27,309	-0,483	120,657	0,582
	SMMT	2015	27,292	-8,499	75,904	0,786
	SMMT	2016	27,180	-2,871	26,564	0,670
	SMMT	2017	27,310	5,523	21,370	0,730
	SMMT	2018	27,447	10,167	32,845	0,700
12	TINS	2013	29,696	7,365	215,151	0,569
	TINS	2014	29,909	6,541	186,527	0,739
	TINS	2015	29,859	1,094	181,537	0,728
	TINS	2016	29,887	2,639	171,105	0,689
	TINS	2017	30,106	4,230	205,640	0,959
	TINS	2018	30,347	3,515	149,027	1,318

Lampiran 7. Hasil Olahan Data Eviews. 10.
Deskripsi Data

	Y	X1	X2	X3
Mean	1.042069	28.26944	-5.181681	384.4055
Median	0.833500	28.01950	1.866500	159.6225
Maximum	3.880000	31.13700	25.41300	11131.26
Minimum	0.042000	25.57400	-393.3240	21.37000
Std. Dev.	0.738321	1.598274	48.70729	1327.876
Skewness	1.873410	0.175800	-7.219883	7.561047
Kurtosis	7.236125	1.985630	57.69449	61.33305
Sum	75.02900	2035.400	-373.0810	27677.19
Observations	72	72	72	72

Lampiran 8 Hasil Olahan Data Eviews. 10. Uji Asumsi Klasik

1. = Uji Normalitas =



- Ho : error term terdistribusi normal
- - H1 : error term tidak terdistribusi normal
- - Jika p-value < α , maka Ho ditolak
- - Jika p-value > α , maka Ho diterima
- - Kesimpulannya adalah dengan tingkat keyakinan 95%, dapat dikatakan bahwa error term terdistribusi normal.

Hasil uji normalitas diatas menunjukkan bahwa data terdistribusi normal karena *probability valuenya* $0,430204 > 0,05$ sehingga tidak perlu ditransformasi agar data terdistribusi secara normal.

Variance Inflation Factors
Date: 12/16/19 Time: 02:35
Sample: 2013 2084
Included observations: 72

Variable	Coefficient Variance	Uncentered VIF	Centered VIF
X1	0.003109	352.9832	1.109126
X2	3.19E-06	1.069215	1.057083
X3	4.28E-09	1.143317	1.053764
C	2.516703	356.4710	NA

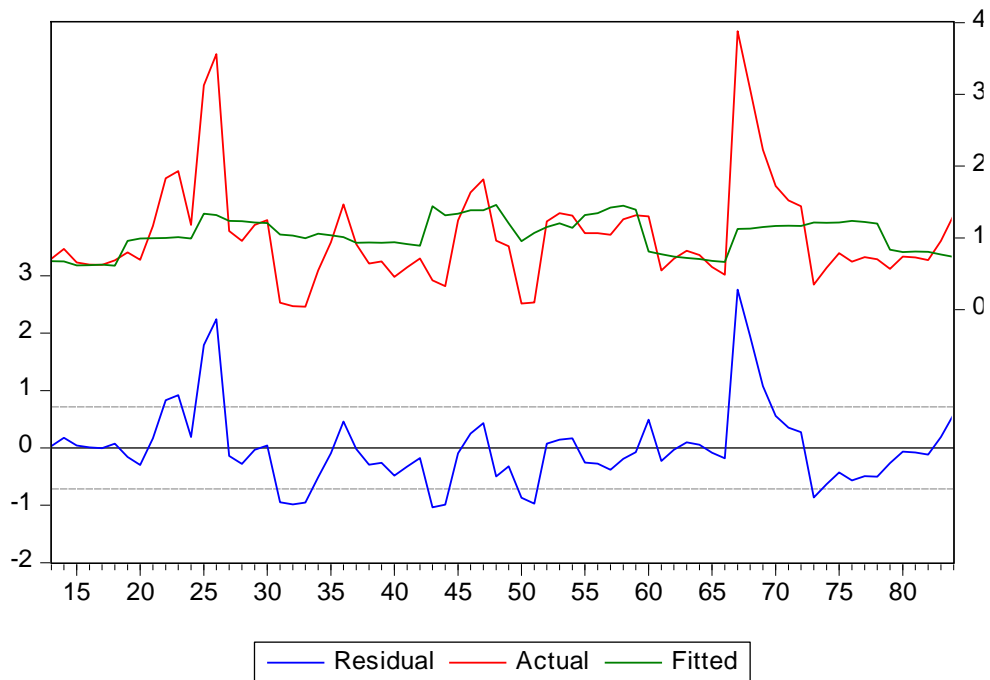
2. Uji Multikolinearitas

multikolinearitas berarti adanya hubungan linear yang sempurna atau pasti antara beberapa atau semua variabel yang menjelaskan model regresi. jika koefisien koreasi antara masing-masing variabel bebas lebih besar dari 0,8, berarti terjadi multikolinearitas dalam model regresi.

	Y	X1	X2	X3
Y	1	0.3080140662735407	0.04508981812311154	0.03577670903115219
X1	-0.3080140662735407	1	0.2237575645475217	-0.2169679509602772
X2	0.04508981812311154	0.2237575645475217	1	0.01267315730585715
X3	0.03577670903115219	-0.2169679509602772	0.01267315730585715	1

dari output di atas dapat kita lihat bahwa tidak terdapat variabel yang memiliki nilai lebih dari 0,8, sehingga dapat disimpulkan tidak terjadi multikolinearitas dalam model regresi.

3. Uji Heteroskedastisitas =



dengan hasil di atas kita menduga tidak terjadi heteroskedastisitas, karena residualnya tidak membentuk pola tertentu, dengan kata lainnya residualnya cenderung konstan.

- untuk membuktikan tidak ada heteroskedastisitas, maka kita akan melakukan uji *white heteroscedasticity*

Heteroskedasticity Test: White

F-statistic	0.669677	Prob. F(9,62)	0.7329
Obs*R-squared	6.379087	Prob. Chi-Square(9)	0.7015
Scaled explained SS	17.34072	Prob. Chi-Square(9)	0.0436

Test Equation:

Dependent Variable: RESID^2

Method: Least Squares

Date: 12/16/19 Time: 02:36

Sample: 2013 2084

Included observations: 72

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-21.98980	54.83007	-0.401054	0.6898
X1	1.831184	3.826599	0.478541	0.6339
X1^2	-0.036501	0.066662	-0.547557	0.5860
X1*X2	-0.006547	0.007343	-0.891658	0.3760
X1*X3	0.000345	0.000517	0.666314	0.5077
X2	0.187809	0.203544	0.922697	0.3597
X2^2	2.97E-05	3.86E-05	0.769649	0.4444
X2*X3	-5.22E-06	6.28E-05	-0.083150	0.9340
X3	-0.009615	0.014459	-0.664966	0.5085
X3^2	6.51E-08	1.11E-07	0.586499	0.5597

R-squared	0.088598	Mean dependent var	0.480083
Adjusted R-squared	-0.043702	S.D. dependent var	1.193566
S.E. of regression	1.219368	Akaike info criterion	3.362788
Sum squared resid	92.18520	Schwarz criterion	3.678992
Log likelihood	-111.0604	Hannan-Quinn criter.	3.488670
F-statistic	0.669677	Durbin-Watson stat	1.177991
Prob(F-statistic)	0.732944		

- Ho : tidak ada heteroskedastisitas
 - H1 : ada heteroskedastisitas
 - Jika p-value obs*-square < α , maka Ho ditolak
 - Karena p value -obs*-square = 0.7015 > 0,05, maka H0 diterima
- Kesimpulannya adalah dengan tingkat keyakinan 95%, dapat dikatakan bahwa tidak terdapat heteroskedastisitas dalam model regresi.

4 .= Uji Autokorelasi =

Breusch-Godfrey Serial Correlation LM Test:

F-statistic	18.80166	Prob. F(2,66)	0.0000
Obs*R-squared	26.13275	Prob. Chi-Square(2)	0.0642

Test Equation:

Dependent Variable: RESID

Method: Least Squares

Date: 12/16/19 Time: 02:36

Sample: 2013 2084

Included observations: 72

Presample missing value lagged residuals set to zero.

Variable	Coefficient	Std. Error	t-Statistic	Prob.
X1	0.011499	0.045309	0.253788	0.8004
X2	-0.001892	0.001500	-1.261479	0.2116
X3	2.45E-05	5.32E-05	0.460696	0.6465
C	-0.340117	1.289368	-0.263786	0.7928
RESID(-1)	0.684500	0.121824	5.618741	0.0000
RESID(-2)	-0.126463	0.121942	-1.037075	0.3035
R-squared	0.362955	Mean dependent var	2.04E-15	
Adjusted R-squared	0.314694	S.D. dependent var	0.697743	
S.E. of regression	0.577614	Akaike info criterion	1.819833	
Sum squared resid	22.02010	Schwarz criterion	2.009556	
Log likelihood	-59.51400	Hannan-Quinn criter.	1.895362	
F-statistic	7.520665	Durbin-Watson stat	1.946871	
Prob(F-statistic)	0.000012			

- Ho : tidak ada korelasi serial
- H1 : ada korelasi serial
- Jika p-value obs*-square < α , maka Ho ditolak
- Karena p value -obs*-square = 0.0642 > 0,05 maka H0 diterima
- Kesimpulannya adalah dengan tingkat keyakinan 95%, dapat dikatakan bahwa tidak terdapat autokorelasi dalam model regresi.

Lampiran 9. Hasil Olahan Data Eviews. 10.***Panel Least Square*** atau ***Common Effect***

Dependent Variable: Y?
 Method: Pooled Least Squares
 Date: 12/16/19 Time: 02:21
 Sample: 2013 2018
 Included observations: 6
 Cross-sections included: 12
 Total pool (balanced) observations: 72

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	5.495329	1.586412	3.463999	0.0009
X1?	-0.156610	0.055755	-2.808920	0.0065
X2?	0.000487	0.001786	0.272933	0.7857
X3?	-6.10E-05	6.54E-05	-0.932826	0.3542
R-squared	0.106899	Mean dependent var		1.042069
Adjusted R-squared	0.067498	S.D. dependent var		0.738321
S.E. of regression	0.712968	Akaike info criterion		2.215193
Sum squared resid	34.56600	Schwarz criterion		2.341674
Log likelihood	-75.74693	Hannan-Quinn criter.		2.265545
F-statistic	2.713071	Durbin-Watson stat		0.474942
Prob(F-statistic)	0.051623			

Lampiran 10. Hasil Olahan Data Eviews. 10.

Fixed Effect Model

Uji fixed effect model dilakukan untuk melihat model manakah yang lebih tepat, model common atau fixed effect model dengan hipotes sebagai berikut :

H0 : Common Effect Model

H1 : Fixed Effect Model

jika Chi Square > 0,05 ==> Terima H0

Jika Chi Square < 0,05 ==> Tolak H0

Dependent Variable: Y?
 Method: Pooled Least Squares
 Date: 12/16/19 Time: 02:22
 Sample: 2013 2018
 Included observations: 6
 Cross-sections included: 12
 Total pool (balanced) observations: 72

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	11.82715	7.086339	1.669008	0.1006
X1?	-0.381037	0.250308	-1.522275	0.1335
X2?	-6.30E-05	0.001701	-0.037028	0.9706
X3?	-3.57E-05	5.79E-05	-0.616316	0.5401

Effects Specification

Cross-section fixed (dummy variables)

R-squared	0.534062	Mean dependent var	1.042069
Adjusted R-squared	0.419621	S.D. dependent var	0.738321
S.E. of regression	0.562472	Akaike info criterion	1.870102
Sum squared resid	18.03337	Schwarz criterion	2.344407
Log likelihood	-52.32366	Hannan-Quinn criter.	2.058924
F-statistic	4.666701	Durbin-Watson stat	0.844267
Prob(F-statistic)	0.000015		

Redundant Fixed Effects Tests

Pool: POOL01

Test cross-section fixed effects

Effects Test	Statistic	d.f.	Prob.
Cross-section F	4.750586	(11,57)	0.0000
Cross-section Chi-square	46.846552	11	0.0000

Cross-section fixed effects test equation:

Dependent Variable: Y?

Method: Panel Least Squares

Date: 12/16/19 Time: 02:24

Sample: 2013 2018

Included observations: 6

Cross-sections included: 12

Total pool (balanced) observations: 72

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	5.495329	1.586412	3.463999	0.0009
X1?	-0.156610	0.055755	-2.808920	0.0065
X2?	0.000487	0.001786	0.272933	0.7857
X3?	-6.10E-05	6.54E-05	-0.932826	0.3542
R-squared	0.106899	Mean dependent var		1.042069
Adjusted R-squared	0.067498	S.D. dependent var		0.738321
S.E. of regression	0.712968	Akaike info criterion		2.215193
Sum squared resid	34.56600	Schwarz criterion		2.341674
Log likelihood	-75.74693	Hannan-Quinn criter.		2.265545
F-statistic	2.713071	Durbin-Watson stat		0.474942
Prob(F-statistic)	0.051623			

- Jika dilihat dari hasil output di atas, dimana nilai chi-square nya lebih besar dari alpha 0,05 ($0.000 < 0.05$) maka model yang tepat menggunakan **Fixed Effect Model**

Lampiran 11. Hasil Olahan Data Eviews. 10.**Random Effect Model**

Uji random effect dilakukan untuk melihat manakah yang lebih tepat model fixed atau random.

H0 : Random Effect Model

H1 : Fixed Effect Model

Jika Chi Square > 0,05 ==> Terima H0

Jika Chi Square < 0,05 ==> Tolak H0

Dependent Variable: Y?
 Method: Pooled EGLS (Cross-section random effects)
 Date: 12/16/19 Time: 02:22
 Sample: 2013 2018
 Included observations: 6
 Cross-sections included: 12
 Total pool (balanced) observations: 72
 Swamy and Arora estimator of component variances

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	6.026980	2.719644	2.216091	0.0300
X1?	-0.175973	0.095833	-2.836240	0.0007
X2?	-0.000397	0.001543	-2.257324	0.0077
X3?	-3.20E-05	5.55E-05	-2.576241	0.0064

Effects Specification		S.D.	Rho
Cross-section random		0.493186	0.4346
Idiosyncratic random		0.562472	0.5654

Weighted Statistics			
R-squared	0.555896	Mean dependent var	0.439850
Adjusted R-squared	0.309020	S.D. dependent var	0.562866
S.E. of regression	0.558843	Sum squared resid	21.23678
F-statistic	4.341988	Durbin-Watson stat	0.734995
Prob(F-statistic)	0.000000		

Unweighted Statistics			
R-squared	0.097047	Mean dependent var	1.042069
Sum squared resid	34.94731	Durbin-Watson stat	0.446642

Correlated Random Effects - Hausman Test

Pool: POOL01

Test cross-section random effects

Test Summary	Chi-Sq. Statistic	Chi-Sq. d.f.	Prob.
Cross-section random	2.125368	3	0.5468

Cross-section random effects test comparisons:

Variable	Fixed	Random	Var(Diff.)	Prob.
X1?	-0.381037	-0.175973	0.053470	0.3752
X2?	-0.000063	-0.000397	0.000001	0.6418
X3?	-0.000036	-0.000032	0.000000	0.8219

Cross-section random effects test equation:

Dependent Variable: Y?

Method: Panel Least Squares

Date: 12/16/19 Time: 02:23

Sample: 2013 2018

Included observations: 6

Cross-sections included: 12

Total pool (balanced) observations: 72

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	11.82715	7.086339	1.669008	0.1006
X1?	-0.381037	0.250308	-1.522275	0.1335
X2?	-6.30E-05	0.001701	-0.037028	0.9706
X3?	-3.57E-05	5.79E-05	-0.616316	0.5401

Effects Specification

Cross-section fixed (dummy variables)

R-squared	0.534062	Mean dependent var	1.042069
Adjusted R-squared	0.419621	S.D. dependent var	0.738321
S.E. of regression	0.562472	Akaike info criterion	1.870102
Sum squared resid	18.03337	Schwarz criterion	2.344407
Log likelihood	-52.32366	Hannan-Quinn criter.	2.058924
F-statistic	4.666701	Durbin-Watson stat	0.844267
Prob(F-statistic)	0.000015		

hasil dai uji hausman di atas dapat dilihat memiliki nilai probabilitas lebih besar dari alpha 0,05 (**0,5468** > **0,05**), maka model yang tepat adalah menggunakan **Random Effect Model**.

SURAT KETERANGAN RISET

Yang bertanda tangan dibawah ini:

Nama : Tiara Rizqi Nuridya

NPM : 11150000093

Jurusan : S1 Akuntansi

Dengan ini menyatakan bahwa saya telah mengakses data Laporan Keuangan perusahaan sektor pertambangan melalui website www.idx.co.id sebagai keperluan untuk menyusun tugas akhir (skripsi) dengan judul “Pengaruh Ukuran Perusahaan, Profitabilitas dan Likuiditas Terhadap Struktur Modal Pada Perusahaan Pertambangan yang Terdaftar di Bursa Efek Indonesia Periode 2013-2018.”

Demikian surat keterangan ini saya buat dengan sebenar-benarnya.

Jakarta, 17 Januari 2020

Tiara Riqi Nuridya

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 STEI Indonesia, Jakarta : Lulus Tahun 2020

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 Posisi : Junior Tax Consultant
 Periode : 2015-2016

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 Periode : 2016-2020

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