

LAMPIRAN

LAMPIRAN

No	Nama Emiten	Laporan Keuangan								
		2014	2015	2016	2017	2018	2019	2020	2021	
1	PT. Bakrie Telecom Tbk	√	√	√	√	√	√	√	√	X
2	PT. Excel Tbk	√	√	√	√	√	√	√	√	√
3	PT. Smartfren Telecom Tbk	√	√	√	√	√	√	√	√	√
4	PT. Indosat Tbk	√	√	√	√	√	√	√	√	√
5	PT. Jasrita Telekomindo Tbk	X	X	X	X	X	X	X	X	√
6	PT. Telekomunikasi Tbk	√	√	√	√	√	√	√	√	√

Lampiran 1 Hasil Pengecekan Laporan Keuangan di BEI

NO	KODE	PERUSAHAAN	Modal	Total Aktiva	X1	Modal	Hutang	X2
1	EXCL	PT. Excel Tbk	13.960.625.000.000	63.706.488.000.000	0,219	13.960.625.000.000	49.745.863.000.000	0,281
2	FREN	PT. Smartfren Telecom Tbk	3.961.941.892.604	17.758.684.934.364	0,223	3.961.941.892.604	13.796.743.041.760	0,287
3	ISAT	PT. Indosat Tbk	14.195.964.000.000	53.254.841.000.000	0,267	14.195.964.000.000	39.058.877.000.000	0,363
4	TLKM	PT. Telekomunikasi Tbk	86.125.000.000.000	140.895.000.000.000	0,611	86.125.000.000.000	54.770.000.000.000	1,572

2015

NO	KODE	PERUSAHAAN	Modal	Total Aktiva	X1	Modal	Hutang	X2
1	EXCL	PT. Excel Tbk	14.091.635.000.000	58.844.320.000.000	0,239	14.091.635.000.000	44.752.685.000.000	0,315
2	FREN	PT. Smartfren Telecom Tbk	6.848.537.593.145	20.705.913.320.829	0,331	6.848.537.593.145	13.857.375.727.684	0,494
3	ISAT	PT. Indosat Tbk	13.263.841.000.000	55.388.517.000.000	0,239	13.263.841.000.000	42.124.676.000.000	0,315
4	TLKM	PT. Telekomunikasi Tbk	93.428.000.000.000	166.173.000.000.000	0,562	93.428.000.000.000	72.745.000.000.000	1,284

2016

NO	KODE	PERUSAHAAN	Modal	Total Aktiva	X1	Modal	Hutang	X2
1	EXCL	PT. Excel Tbk	21.209.145.000.000	54.896.286.000.000	0,386	21.209.145.000.000	33.687.141.000.000	0,630
2	FREN	PT. Smartfren Telecom Tbk	5.869.282.198.268	22.807.139.288.268	0,257	5.869.282.198.268	16.937.857.089.434	0,347
3	ISAT	PT. Indosat Tbk	14.177.119.000.000	50.838.704.000.000	0,279	14.177.119.000.000	36.661.585.000.000	0,387
4	TLKM	PT. Telekomunikasi Tbk						

	105.544.000.000.000	179.611.000.000.000	0,588	105.544.000.000.000	74.067.000.000.000	1,425
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2017

NO	KODE	PERUSAHAAN	Modal	Total Aktiva	X1	Modal	Hutang	X2
1	EXCL	PT. Excel Tbk	21.630.850.000.000	56.321.441.000.000	0,384	21.630.850.000.000	34.690.591.000.000	0,624
2	FREN	PT. Smartfren Telecom Tbk	9.244.869.557.378	24.114.499.676.408	0,383	9.244.869.557.378	14.869.630.119.030	0,622
3	ISAT	PT. Indosat Tbk	14.815.534.000.000	50.661.040.000.000	0,292	14.815.534.000.000	35.845.506.000.000	0,413
4	TLKM	PT. Telekomunikasi Tbk	112.130.000.000.000	198.484.000.000.000	0,565	112.130.000.000.000	86.354.000.000.000	1,298

2018

NO	KODE	PERUSAHAAN	Modal	Total Aktiva	X1	Modal	Hutang	X2
1	EXCL	PT. Excel Tbk	18.343.098.000.000	57.613.954.000.000	0,318	18.343.098.000.000	39.270.856.000.000	0,467
2	FREN	PT. Smartfren Telecom Tbk	12.448.005.823.642	25.213.595.077.036	0,494	12.448.005.823.642	12.765.589.253.394	0,975
3	ISAT	PT. Indosat Tbk	12.136.247.000.000	53.139.587.000.000	0,228	12.136.247.000.000	41.003.340.000.000	0,296
4	TLKM	PT. Telekomunikasi Tbk	117.303.000.000.000	206.196.000.000.000	0,569	117.303.000.000.000	88.893.000.000.000	1,320

2019

NO	KODE	PERUSAHAAN	Modal	Total Aktiva	X1	Modal	Hutang	X2
1	EXCL	PT. Excel Tbk	19.121.966.000.000	62.725.242.000.000	0,305	19.121.966.000.000	43.603.276.000.000	0,439
2	FREN	PT. Smartfren Telecom						

	Tbk	12.735.486.798.019	27.650.462.178.339	0,461	12.735.486.798.019	14.914.975.380.320	0,854
3	ISAT PT. Indosat Tbk	13.707.193.000.000	62.813.000.000.000	0,218	13.707.193.000.000	49.105.807.000.000	0,279
4	TLKM PT. Telekomunikasi Tbk	117.250.000.000.000	221.208.000.000.000	0,530	117.250.000.000.000	103.958.000.000.000	1,128

2020

NO	KODE	PERUSAHAAN	Modal	Total Aktiva	X1	Modal	Hutang	X2
1	EXCL	PT. Excel Tbk	19.137.366.000.000	67.744.797.000.000	0,282	19.137.366.000.000	48.607.431.000.000	0,394
2	FREN	PT. Smartfren Telecom Tbk	12.365.932.390.850	38.684.276.546.076	0,320	12.365.932.390.850	26.318.344.155.226	0,470
3	ISAT	PT. Indosat Tbk	12.913.396.000.000	62.778.740.000.000	0,206	12.913.396.000.000	49.865.344.000.000	0,259
4	TLKM	PT. Telekomunikasi Tbk	120.889.000.000.000	246.943.000.000.000	0,490	120.889.000.000.000	126.054.000.000.000	0,959

2021

NO	KODE	PERUSAHAAN	Modal	Total Aktiva	X1	Modal	Hutang	X2
1	EXCL	PT. Excel Tbk	20.088.745.000.000	72.753.282.000.000	0,276	20.088.745.000.000	52.664.537.000.000	0,381
2	FREN	PT. Smartfren Telecom Tbk	12.653.442.493.967	43.357.849.742.875	0,292	12.653.442.493.967	30.704.407.248.908	0,412
3	ISAT	PT. Indosat Tbk	10.302.802.000.000	63.397.148.000.000	0,163	10.302.802.000.000	53.094.346.000.000	0,194
4	TLKM	PT. Telekomunikasi Tbk	145.399.000.000.000	277.184.000.000.000	0,525	145.399.000.000.000	131.785.000.000.000	1,103

NO	KODE	PERUSAHAAN	Y	X1	X2	X3	X4	M	M1	M2	M3	M4
1	EXCL	PT. Excel Tbk	0	0	0	7	0,981738631	37,80	0	0	264,6136082	37,11162877
2	FREN	PT. Smartfren Telecom Tbk	0	0	0,817230082	5	1,327649586	3,62	0	2,954958256	18,07910844	4,800544168
3	ISAT	PT. Indosat Tbk	0	1,84029E-06	0	7	0,972060238	17,84	3,28262E-05	0	124,8628911	17,33917881
4	TLKM	PT. Telekomunikasi Tbk	1	8,79167E-07	0	6	0,327517392	36,04	3,1682E-05	0	216,2181868	11,80253611
5	EXCL	PT. Excel Tbk	0	0	0	7	0,862770938	26,76	0	0	187,324892	23,08835326
6	FREN	PT. Smartfren Telecom Tbk	0	0	0,880806985	6	1,439739892	11,03	0	9,717306735	66,19366266	15,88360945
7	ISAT	PT. Indosat Tbk	0	0	0	10	0,911757932	21,14	0	0	211,4359694	19,27784222
8	TLKM	PT. Telekomunikasi Tbk	1	4,76729E-05	0	5	0,316365766	36,91	0,001759833	0	184,5737829	11,67856522
9	EXCL	PT. Excel Tbk	1	0	0	9	0,920957762	19,22	0	0	173,0204126	17,70494355
10	FREN	PT. Smartfren Telecom Tbk	0	0	0,881852882	5	1,545058256	13,36	0	11,77975566	66,78980082	20,63882664
11	ISAT	PT. Indosat Tbk	0	0	0	10	0,864978456	28,75	0	0	287,466736	24,86525334
12	TLKM	PT. Telekomunikasi Tbk	1	8,97422E-05	0	7	0,336920736	43,81	0,003931875	0	306,6910373	14,76151001
13	EXCL	PT. Excel Tbk	1	0	0	9	0,927509814	19,10	0	0	171,9196864	17,71746626

14	FREN	PT. Smartfren Telecom Tbk	0	0	0,881852882	4	1,482639109	6,89	0	6,073891942	27,55059067	10,2118958
15	ISAT	PT. Indosat Tbk	0	0	0	10	0,865251427	28,00	0	0	280,0309612	24,22971888
16	TLKM	PT. Telekomunikasi Tbk	1	4,86318E-05	0	7	0,34254148	46,54	0,002263273	0	325,7728591	15,94153102
17	EXCL	PT. Excel Tbk	0	0	0	10	1,120816152	17,79	0	0	160,1000488	19,93808008
18	FREN	PT. Smartfren Telecom Tbk	1	0	0,906525938	4	1,482037182	14,19	0	12,86019142	56,74494633	21,02453009
19	ISAT	PT. Indosat Tbk	0	0	0	10	1,020086691	18,81	0	0	188,1197013	19,18984035
20	TLKM	PT. Telekomunikasi Tbk	1	8,16488E-05	0	7	0,297016455	37,72	0,0030801	0	264,0662601	11,20457491
21	EXCL	PT. Excel Tbk	0	0	0,663611796	9	0,869711635	20,23	0	13,4271847	182,101438	17,59730438
22	FREN	PT. Smartfren Telecom Tbk	1	0	0,737600747	4	1,329472408	43,61	0	32,16551197	174,4331854	57,97602677
23	ISAT	PT. Indosat Tbk	0	0	0	10	0,83810412	13,67	0	0	136,6888371	11,45594775
24	TLKM	PT. Telekomunikasi Tbk	1	1,86397E-05	0	6	0,312716221	41,08	0,000765682	0	246,4684847	12,84578221
25	EXCL	PT. Excel Tbk	0	0	0,662492837	10	0,898801362	16,52	0	10,94435617	165,1996153	14,84816391
26	FREN	PT. Smartfren Telecom Tbk	0	0	0,71571362	5	1,083406148	22,82	0	16,33413978	114,1108631	24,72568213
27	ISAT	PT. Indosat Tbk	0	0	0	10	0,914081568	11,89	0	0	118,896525	10,8681122

28	TLKM	PT. Telekomunikasi Tbk	0	1,68548E-05	0	10	0,318806701	30,96	0,000521804	0	309,5873523	9,869852238
29	EXCL	PT. Excel Tbk	0	0	0,611603373	8	0,850886053	16,79	0	10,26885086	134,3203955	14,28641889
30	FREN	PT. Smartfren Telecom Tbk	1	0	0,710736946	5	0,976361034	28,61	0	20,3347573	143,054033	27,93447672
31	ISAT	PT. Indosat Tbk	0	0	0,142921329	10	0,670131789	40,49	0	5,787297892	404,9289159	27,13557388
32	TLKM	PT. Telekomunikasi Tbk	1	1,6045E-05	0	10	0,332120662	28,59	0,000458803	0	285,9470306	9,49689171

K O D E	N A M A	2014		2015		2016		2017		2018		2019		2020		2021	
		Sa ha m M an aje ria i	Sah am Bere dar KE M	Sa ha m M an aje ria i	Sah am Bere dar	Sa ha m M an aje ria i	Sah am Bere dar	Sa ha m M an aje ria i	Sah am Bere dar	Sa ha m M an aje ria i	Sah am Bere dar	Sa ha m M an aje ria i	Sah am Bere dar	Sa ha m M an aje ria i	Sah am Bere dar	Sa ha m M an aje ria i	Sah am Bere dar
1	EXCEL	8.53 4.49 0.66 7	8.54 1.38 1.67 0	10.6 87.9 60.4 23	10.6 87.9 60.4 23	103. 705. 870. 101	103. 705. 870. 101	10.6 87.9 60.4 23	10.6 87.9 60.4 23	171. 114. 685. 567	171. 114. 685. 567	217. 964. 239. 610	217. 964. 239. 610	10.7 06.0 12.5 30	10.7 06.0 12.5 30	10.7 24.6 74.7 76	10.7 24.6 74.7 76
2	PT. Sma rtr en Tele com Tbk	17.7 95.8 70.0 91	102. 795. 870. 101	103. 705. 870. 101	103. 705. 870. 101	103. 705. 870. 101	103. 705. 870. 101	103. 705. 870. 101	103. 705. 870. 101	171. 114. 685. 567	171. 114. 685. 567	217. 964. 239. 610	217. 964. 239. 610	263. 262. 540. 757	263. 262. 540. 757	308. 106. 549. 751	308. 106. 549. 751
3	PT. Indosat Tbk	5.43 3.93 3.50 0	5.43 3.93 3.50 0	5.43 3.93 3.50 0	5.43 3.93 3.50 0	5.43 3.93 3.50 0	5.43 3.93 3.50 0	5.43 3.93 3.50 0	5.43 3.93 3.50 0	5.43 3.93 3.50 0	5.43 3.93 3.50 0	5.43 3.93 3.50 0	5.43 3.93 3.50 0	5.43 3.93 3.50 0	5.43 3.93 3.50 0	99.0 62.2 16.6 1	99.0 62.2 16.6 1
4	PT. Telekom	100. 79. 16	100. 79. 16	100. 79. 16	100. 79. 16	100. 79. 16	100. 79. 16	100. 79. 16	100. 79. 16	99.0 62.2 16.6 8	99.0 62.2 16.6 8	99.0 62.2 16.6 8	99.0 62.2 16.6 8	1.6 99.0 62.2 6	1.6 99.0 62.2 6	1.5 62.2 16.6 6	1.5 62.2 16.6 6



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	Tbk			07			0			0			0			0									0
							5			5			5			5									5

NO	KODE	PERUSAHAAN	Y	X1	X2	X3
1	EXCL	PT. Excel Tbk	0	0	0	7
2	FREN	PT. Smartfren Telecom Tbk	0	0	0	5
3	ISAT	PT. Indosat Tbk	0	1,84029E-06	0,817230082	7
4	TLKM	PT. Telekomunikasi Tbk	1	8,79167E-07	0	6
5	EXCL	PT. Excel Tbk	0	0	0	7
6	FREN	PT. Smartfren Telecom Tbk	0	0	0,880806985	6
7	ISAT	PT. Indosat Tbk	0	0	0	10
8	TLKM	PT. Telekomunikasi Tbk	1	4,76729E-05	0	5
9	EXCL	PT. Excel Tbk	1	0	0	9
10	FREN	PT. Smartfren Telecom Tbk	0	0	0,881852882	5
11	ISAT	PT. Indosat Tbk	0	0	0	10
12	TLKM	PT. Telekomunikasi Tbk	1	8,97422E-05	0	7
13	EXCL	PT. Excel Tbk	1	0	0	9
14	FREN	PT. Smartfren Telecom Tbk	0	0	0,881852882	4
15	ISAT	PT. Indosat Tbk	0	0	0	10
16	TLKM	PT. Telekomunikasi Tbk	1	4,86318E-05	0	7
17	EXCL	PT. Excel Tbk	0	0	0	10
18	FREN	PT. Smartfren Telecom Tbk	1	0	0,906525938	4
19	ISAT	PT. Indosat Tbk	0	0	0	10
20	TLKM	PT. Telekomunikasi Tbk	1	8,16488E-05	0	7

21	EXCL	PT. Excel Tbk	0	0	0	0,663611796	9
22	FREN	PT. Smartfren Telecom Tbk	1	0	0	0,737600747	4
23	ISAT	PT. Indosat Tbk	0	0	0	0	10
24	TLKM	PT. Telekomunikasi Tbk	1	1,86397E-05	0	0	6
25	EXCL	PT. Excel Tbk	0	0	0	0,662492837	10
26	FREN	PT. Smartfren Telecom Tbk	0	0	0	0,71571362	5
27	ISAT	PT. Indosat Tbk	0	0	0	0	10
28	TLKM	PT. Telekomunikasi Tbk	0	1,68548E-05	0	0	10
29	EXCL	PT. Excel Tbk	0	0	0	0,611603373	8
30	FREN	PT. Smartfren Telecom Tbk	1	0	0	0,710736946	5
31	ISAT	PT. Indosat Tbk	0	0	0	0,142921329	10
32	TLKM	PT. Telekomunikasi Tbk	1	1,6045E-05	0	0	10

X4	M	M1	M2	M3	M4
0,981738631	37,80	0	0	264,6136082	37,11162877
1,327649586	3,62	0	2,954958256	18,07910844	4,800544168
0,972060238	17,84	3,28262E-05	0	124,8628911	17,33917881
0,327517392	36,04	3,1682E-05	0	216,2181868	11,80253611
0,862770938	26,76	0	0	187,324892	23,08835326
1,439739892	11,03	0	9,717306735	66,19366266	15,88360945
0,911757932	21,14	0	0	211,4359694	19,27784222
0,316365766	36,91	0,001759833	0	184,5737829	11,67856522
0,920957762	19,22	0	0	173,0204126	17,70494355
1,545058256	13,36	0	11,77975566	66,78980082	20,63882664
0,864978456	28,75	0	0	287,466736	24,86525334
0,336920736	43,81	0,003931875	0	306,6910373	14,76151001

0,927509814	19,10	0	0	0	0	171,9196864	17,71746626
1,482639109	6,89	0	0	6,073891942	27,55059067	10,2118958	
0,865251427	28,00	0	0	0	280,0309612	24,22971888	
0,34254148	46,54	0,002263273	0	0	325,7728591	15,94153102	
1,120816152	17,79	0	0	0	160,1000488	19,93808008	
1,482037182	14,19	0	0	12,86019142	56,74494633	21,02453009	
1,020086691	18,81	0	0	0	188,1197013	19,18984035	
0,297016455	37,72	0,0030801	0	0	264,0662601	11,20457491	
0,869711635	20,23	0	0	13,4271847	182,101438	17,59730438	
1,329472408	43,61	0	0	32,16551197	174,4331854	57,97602677	
0,83810412	13,67	0	0	0	136,6888371	11,45594775	
0,312716221	41,08	0,000765682	0	0	246,4684847	12,84578221	
0,898801362	16,52	0	0	10,94435617	165,1996153	14,84816391	
1,083406148	22,82	0	0	16,33413978	114,1108631	24,72568213	
0,914081568	11,89	0	0	0	118,896525	10,8681122	
0,318806701	30,96	0,000521804	0	0	309,5873523	9,869852238	
0,850886053	16,79	0	0	10,26885086	134,3203955	14,28641889	
0,976361034	28,61	0	0	20,3347573	143,054033	27,93447672	
0,670131789	40,49	0	0	5,787297892	404,9289159	27,13557388	
0,332120662	28,59	0,000458803	0	0	285,9470306	9,49689171	

Lampiran 11. Tabel Tabulasi SPSS

N O	KOD E	PERUSAHAAN	Y	X1	X2	X3	X4	M	M1	M2	M3	M4
1	2	3	4	5	6	7	8	9	10	11	12	13
1	EXCL	PT. Excel Tbk	0	0	0	7	0,98173 9	37,80	0	0	264,613 6	37,1116 3
2	FREN	PT. Smartfren Telecom Tbk	0	0	0,81723	5	1,32765	3,62	0	2,95495 8	18,0791 1	4,80054 4
3	ISAT	PT. Indosat Tbk	0	1,84E- 06	0	7	0,97206	17,84	3,28E-05	0	124,862 9	17,3391 8
4	TLK M	PT. Telekomunikasi Tbk	1	8,79E- 07	0	6	0,32751 7	36,04	3,17E-05	0	216,218 2	11,8025 4
5	EXCL	PT. Excel Tbk	0	0	0	7	0,86277 1	26,76	0	0	187,324 9	23,0883 5
6	FREN	PT. Smartfren Telecom Tbk	0	0	0,88080 7	6	1,43974	11,03	0	9,71730 7	66,1936 6	15,8836 1
7	ISAT	PT. Indosat Tbk	0	0	0	10	0,91175 8	21,14	0	0	211,436	19,2778 4
8	TLK M	PT. Telekomunikasi Tbk	1	4,77E- 05	0	5	0,31636 6	36,91	0,00176	0	184,573 8	11,6785 7
9	EXCL	PT. Excel Tbk	1	0	0	9	0,92095 8	19,22	0	0	173,020 4	17,7049 4
10	FREN	PT. Smartfren Telecom Tbk	0	0	0,88185 3	5	1,54505 8	13,36	0	11,7797 6	66,7898	20,6388 3
11	ISAT	PT. Indosat Tbk	0	0	0	10	0,86497 8	28,75	0	0	287,466 7	24,8652 5
12	TLK M	PT. Telekomunikasi Tbk	1	8,97E- 05	0	7	0,33692 1	43,81	0,00393 2	0	306,691	14,7615 1
13	EXCL	PT. Excel Tbk	1	0	0	9	0,92751	19,10	0	0	171,919 7	17,7174 7

14	FREN	PT. Smartfren Telecom Tbk	0	0	0,881853	4	1,482639	6,89	0	6,073892	27,55059	10,2119
15	ISAT	PT. Indosat Tbk	0	0	0	10	0,865251	28,00	0	0	280,031	24,22972

1	2	3	4	5	6	7	8	9	10	11	12	13
16	TLK M	PT. Telekomunikasi Tbk	1	4,86E-05	0	7	0,342541	46,54	0,002263	0	325,7729	15,94153
17	EXCL	PT. Excel Tbk	0	0	0	10	1,120816	17,79	0	0	160,1	19,93808
18	FREN	PT. Smartfren Telecom Tbk	1	0	0,906526	4	1,482037	14,19	0	12,86019	56,74495	21,02453
19	ISAT	PT. Indosat Tbk	0	0	0	10	1,020087	18,81	0	0	188,1197	19,18984
20	TLK M	PT. Telekomunikasi Tbk	1	8,16E-05	0	7	0,297016	37,72	0,00308	0	264,0663	11,20457
21	EXCL	PT. Excel Tbk	0	0	0,663612	9	0,869712	20,23	0	13,42718	182,1014	17,5973
22	FREN	PT. Smartfren Telecom Tbk	1	0	0,737601	4	1,329472	43,61	0	32,16551	174,4332	57,97603
23	ISAT	PT. Indosat Tbk	0	0	0	10	0,838104	13,67	0	0	136,6888	11,45595
24	TLK M	PT. Telekomunikasi Tbk	1	1,86E-05	0	6	0,312716	41,08	0,000766	0	246,4685	12,84578
25	EXCL	PT. Excel Tbk	0	0	0,662493	10	0,898801	16,52	0	10,94436	165,1996	14,84816
26	FREN	PT. Smartfren Telecom Tbk	0	0	0,715714	5	1,083406	22,82	0	16,33414	114,1109	24,72568
27	ISAT	PT. Indosat Tbk	0	0	0	10	0,914082	11,89	0	0	118,8965	10,86811

28	TLK M	PT. Telekomunikasi Tbk	0	1,69E-05	0	10	0,318807	30,96	0,000522	0	309,5874	9,869852
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1	2	3	4	5	6	7	8	9	10	11	12	13
29	EXCL	PT. Excel Tbk	0	0	0,611603	8	0,850886	16,79	0	10,26885	134,3204	14,28642
30	FREN	PT. Smartfren Telecom Tbk	1	0	0,710737	5	0,976361	28,61	0	20,33476	143,054	27,93448
31	ISAT TLK M	PT. Indosat Tbk	0	0	0,142921	10	0,670132	40,49	0	5,787298	404,9289	27,13557
32		PT. Telekomunikasi Tbk	1	1,6E-05	0	10	0,332121	28,59	0,000459	0	285,947	9,496892