

## DAFTAR PUSTAKA

- Alfiansyach, A., & Muyassaroh. (2024). Analisis Financial Distress Menggunakan Metode Altman Z-Score, Springate, Zmijewski Pada PT Garuda Indonesia (Persero) Tbk Periode 2018-2021. *International & National Conference on Accounting and Fraud Auditing*, 1-23.
- Altman, E. I. (1968). Financial Ratios, Discriminant Analysis and the Prediction of Corporate Bankruptcy. *Journal of Finance*, 589-609.
- Anastasia, E. R., & Riza, F. (2023). Accuracy Analysis of Financial Distress Prediction Models for Companies on the IDX Watchlist Board in 2020-2022 Period. *Dinasti International Journal of Economics, Finance and Accounting*, 681-689.
- Azzahra, N., Fadilah, S., & Pramono, I. P. (2024). Pengaruh Financial Distress terhadap Integritas Laporan Keuangan pada Perusahaan Pertambangan Sub Sektor Batubara yang Terdaftar di Bursa Efek Indonesia Tahun 2017-2021. *Bandung Conference Series: Accountancy*, 321-328.
- Beaver, W. H. (1996). Financial Ratios As Predictors Of Failure . *Journal of Accounting Research*, 71-111.
- Chairunisa, A. A. (2017). Analisis Tingkat Kebangkrutan Pada Perusahaan Pertambangan Batubara yang Terdaftar di Bursa Efek Indonesia. *Jurnal Ekonomi*, 14-28.
- Cipta, R. S. (2021). Analisa Financial Distress Menggunakan Metode Altman (Z-Score) untuk Memprediksi Kebangkrutan pada Perusahaan Pelayaran yang Terdaftar di BEI 2016-2019. *Jurnal Inovatif Mahasiswa Manajemen*, 124-138.
- Dalimunte, N. D., Putri, T. R., & Sunardi, N. (2023). Implementation and Accuracy Testing of a Financial Distress Prediction Model in Indonesian Property and Real Estate Companies. *Indonesian Development of Economics and Administration Journal*, 12-22.
- Fanny, T. A., & Retnani, E. D. (2017). Analisis Perbandingan Model Pediksi Financial Distress pada Sub Sektor Perkebunan. *Jurnal Ilmu dan Riset Akuntansi*, 1-15.
- Ghozali, I. (2018). *Aplikasi Analisis Multivariate dengan Program IBM SPSS Edisi Sembilan*. Semarang: Badan Penerbit Universitas Diponegoro.

- Handayani, A. (2018). Prediksi Financial Distress pada Sektor Pertambangan. *Accounting and Management Journal*, 107-114.
- Intansari, N. P., Sudrajat, & Azhar, R. (2023). Comparison of The Grover, Zmijewski, and Springate Methods in Predicting Financial Distress (Case Study of Pharmaceutical Companies Listed on the IDX 2019-2021). *Asian Journal Of Economics and Business Management*, 335-341.
- Irman, M., Halim, A. G., Wati, Y., Okalesa, & Andi. (2022). Financial Distress Using Grover, Foster, Springate, and Altman (Z-Score) Methods. *Procuratio : Jurnal Ilmiah Manajemen*, 315-324.
- Kason, Angkasa, C., Gozali, Y., Wijaya, R. A., & Hutahean, T. F. (2020). Analisis Perbandingan Keakuratan Memprediksi Financial Distress dengan Menggunakan Model Grover, Springate dan Altman Z-Score pada Perusahaan Pertambangan yang Terdaftar di Bursa Efek Indonesia pada tahun 2013-2017. *Jurnal Ilmiah MEA (Manajemen, Ekonomi dan Akuntansi)*, 441-458.
- Khairiyah, A., & Affan, N. (2023). Pengaruh Likuiditas dan Leverage Terhadap Kondisi Financial Distress Pada Perusahaan Manufaktur Yang Terdaftar di Bursa Efek Indonesia. *KINERJA: Jurnal Ekonomi dan Manajemen*, 266-273.
- Kisman, Z., & Krisandi, D. (2019). How to Predict Financial Distress in the Wholesale Sector : Lesson from Indonesia Stock Exchange. *Journal of Economics and Business*, 569-585.
- Komarudin, Syafnita, & Ilmiani, A. (2019). Analisis Komparasi Prediksi Financial Distress Metode Grover, Altman, Springate, Zmijewski dan Ohlson pada Perusahaan Pertambangan di BEI. *Jurnal Ekonomi dan Bisnis*, 36-43.
- Leki, R. (2017). Penerapan Model Altma Z-Score dalam Mengukur Potensi Kebangkrutan (Studi Kasus Pada Perusahaan Perbankan BUMN yang Terdaftar di Bursa Efek Indonesia Tahun 2014 dan 2015). *Kindai*, 83-100.
- Li, Z., Crook, J., Andreeva, G., & Tang, Y. (2019). Predicting The Risk of Financial Distress using Corporate Governance Measures. *Pacific - Basin Finance Journal*, 1-32. doi:<https://doi.org/10.1016/j.pacfin.2020.101334>
- Listyarini, F. (2020). Analisis Perbandingan Prediksi Kondisi Financial Distress dengan Menggunakan Model Altman, Springate dan Zmijewski. *Jurnal Bina Akuntansi*, 1-20.
- Mavengere, K., & Gumede, P. (2024). Financial Distress Prediction Competence of The Altman Z Score and Zmijewski Model Evidence From Selected

- Zimbabwe Stock Exchange Firms. *Journal of Economics, Finance and Accounting*, 9-15.
- Mustafa, I., Rahmatika, D. N., & Akyuwen, R. (2022). Analysis of Financial Distress with The Altman, Springate, Zmijewski, Grover, and Taffler Models in The Consumer Cyclical Sector in The Covid-19 Pandemic. *Permana : Jurnal Perpajakan, Manajemen, Dan Akuntansi*, 326-333.
- Octavia, A. N. (2023). Analisis Prediksi Kebangkrutan Menggunakan Metode Altman Z-Score pada PT. Dua Sahabat Sejati Borneo di Banjarbaru. *Kindai*, 49-59.
- Oktavianti, B., Hizai, A., & Mirdah, A. (2020). Pengaruh Likuiditas, Profitabilitas, Leverage dan Ukuran Perusahaan Terhadap Financial Distress Pada Perusahaan Pertambangan Yang Terdaftar di Bursa Efek Indonesia Periode 2015-2018. *Jambi Accounting Review (JAR)* , 20-34.
- Platt, H. D., & Platt, M. B. (2002). Predicting Corporate Financial Distress: Reflections on ChoiceBased Sample Bias. *Journal of Economics and Finance*, 184-199.
- Pramesti, A. W., & Yuniningsih, Y. (2023). Comparative Analysis of The Accuracy Level of The Zmijewski, Springate, and Grover Models to Predict Financial Distress . *American Journal of Humanities and Social Sciences Research (AJHSSR)* , 164-172.
- Pratiwi, N. M., & Wiweko, H. (2022). Perbandingan Metode Altman Z- Score, Grover, Springate dan Zmijewski dalam Memprediksi Financial Distress pada Perusahaan Sektor Pertanian yang Terdaftar di Bursa Efek Indonesia. *E-Journal Field of Economics, Business and Entrepreneurship (EFEBE)*, 98-107.
- Priambodo, D. (2018). Analisis Perbandingan Model Altman, Springate, Grover dan Zmijewski dalam Memprediksi Financial Distress ( Studi Empiris pada Perusahaan Sektor Pertambangan yang terdaftar di Bursa Efek Indonesia Periode 2012 - 2015). *Jurnal Pendidikan Akuntansi*, 1-10.
- Priyanti, M. W., & Riharjo, I. B. (2019). Analisis Metode Altman Z-Score, Springate dan Zmijewski Untuk Memprediksi Financial Distress. *Jurnal Ilmu dan Riset Akuntansi*, 1-15.
- Purwanti, L., Effendi, S. A., Ibrahim, M., Cahyadi, R. T., & Prakoso, A. (2024). Prediction and Comparison of Bankruptcy Models in Banking Sector Companies in Indonesia. *Educational Administration: Theory and Practice* , 4428-4440 .

- Putri, I. F., Widuri, T., & Muttaqien, Z. (2023). Analisa Prediksi Financial Distress dengan Metode Grover O-Score pada PT Tri Banyan Tirta Tbk Pada Tahun 2016-2020. *Student Research Journal*, 148-160.
- Putri, I. T., Hadiwibowo, I., & Azis, M. T. (2023). Springate, Ohlson, Altman Z - Score, Zmijewski, Grover, CA Score Model of Financial Distress Analysis in Retail Companies. *AFEBI Economic and Finance Review (AEFR)* , 89-102.
- Ramadhan, I., Sadalia, I., & Ayu, S. F. (2023). Analysis of Financial Distress in Plantation Companies on The Indonesia Stock Exchange For the 2018-2021 Period. *European Journal of Economic and Financial Research*, 141-156.
- Ramana, D. N., Reddy, M. S., & Sambasivudu, D. (2023). Financial Distress Analysis Using The Altman Z Score Model, The Springate Model, And The Grainger Model In The Indian Cement Industry. *Journal of Namibian Studies*, 298-311.
- Rezeki, R. T., Mardani, R. M., & Priyono, A. A. (2021). Analisis Financial Distress Pada Perusahaan Sektor Food and Beverage yang Terdaftar di Bursa Efek Indonesia Pada Masa Pandemi Covid-19. *e - Jurnal Riset Manajemen*, 34-47.
- Saputri, E. K., & Sari, E. P. (2024). Pengaruh Current Ratio, Debt To Asset Ratio, Total Asset Turnover Dan Return On Asset Terhadap Financial Distress (Model Altman Z-Score) Pada Perusahaan Subsektor Perkebunan Yang Terdaftar Di Bursa Efek Indonesia Periode 2019-2022. *Management, Accounting, Islamic Banking and Islamic Economic Journal*, 99-111.
- Sari, D. A., & Parulian. (2023). Analisis Perbandingan Metode Altman Z-Score, Springate dan Zmijewski dalam Memprediksi Financial Distress pada Perusahaan Pariwisata dan Rekreasi yang Terdaftar di BEI Periode 2018-2022. *Journal of Economics and Business UBS*, 2043-2057.
- Sitorus, Y. C. (2023). Bankruptcy Prediction Analysis with the Altman Z-Score, Springate and Zmijewski Models in Fisheries Sub Sector Companies Listed on the Indonesia Stock Exchange (IDX) for the 2019-2021 Period . *Dinasti International Journal of Digital Business Management* , 319-327.
- Springate, G. L. (1978). Predicting the Possibility of Failure in a Canadian Firm. *Unpublished Master Thesis*, Simon Fraser University.
- Sugiyono. (2022). *Metode Penelitian Kuantitatif, Kualitatif dan R&D*. Bandung: Alfabeta.

- Suryani. (2020). Pengaruh Profitabilitas, Leverage, Sales Growth dan Ukuran Perusahaan terhadap Financial Distress. *Jurnal Online Insan Akuntan* , 229-244.
- Utami, D. W., & Giovanni, A. (2020). Financial Distress Phenomenon of Non - financial Companies in Indonesia. *Relevance : Jurnal of Management and Business*, 175-188.
- Utami, M. A., Dali, R. M., & Yudiana. (2023). Analisis Working Capital Turnover dan Total Asset Turnover Terhadap Financial Distress. *Accounting Global Jurnal*, 1-13.
- Utari, A. D. (2021). Analisis Perbandingan Metode Zmijewski dan Grover dalam Memprediksi Kebangkrutan Bank yang Terdaftar pada BEI Tahun 2015-2019. *Jurnal Ilmu Manajemen*, 489-498.
- Wahyuni, S. F., & Rubiyah. (2021). Analisis Financial Distress Menggunakan Metode Altman Z-Score, Springate, Zmijewski dan Grover pada Perusahaan Sektor Perkebunan yang Terdaftar di Bursa Efek Indonesia. *MANEGGIO : Jurnal Ilmiah Magister Manajemen*, 62-72.
- Wulandari, E., & Fauzi, I. (2022). Analisis Perbandingan Potensi Kebangkrutan dengan Model Grover, Altman Z-Score, Springate dan Zmijewski Pada Perusahaan Real Estate dan Property di Bursa Efek Indonesia. *Ekonomi, Keuangan, Investasi dan Syariah (EKUITAS)*, 109-117.
- Yolanda, R., & Mulyana, R. A. (2023). Determinan Financial Distress Pada Perusahaan Manufaktur di Indonesia. *E-Jurnal Akuntansi TSM*, 217-228.
- Zmijewski, M. (1983). Predicting Corporate Bankruptcy : An Empirical Comparison of the Extant Financial Distress Models. *Working Paper*, SUNY at Buffalo.

**LAMPIRAN 1****POPULASI PERUSAHAAN SEKTOR PERTAMBANGAN YANG LISTING DI BURSA EFEK INDONESIA PERIODE 2019 – 2023**

<b>NO</b>	<b>KODE</b>	<b>NAMA</b>	<b>LK TL</b>	<b>DV TL</b>	<b>SMPL</b>
1	ADRO	Adaro Energy Tbk	✓		
2	AKRA	PT AKR Corporindo Tbk			✓
3	ANTM	Aneka Tambang Tbk			✓
4	APEX	Apexindo Pratama Duta Tbk		✓	
5	ARII	Atlas Resources Tbk			✓
6	BESS	PT Batulicin Nusantara Maritim Tbk			✓
7	BIPI	PT Astrindo Nusantara Infrastruktur Tbk	✓		
8	BORN	Borneo Lumbang Energi & Metal Tbk	✓		
9	BSSR	Baramulti Suksessarana Tbk			✓
10	BULL	PT Buana Lintas Lautan Tbk	✓		
11	BYAN	Bayan Resources Tbk			✓
12	CANI	PT Capitol Nusantara Indonesia	✓		
13	DEWA	Darma Henwa Tbk			✓
14	DOID	Delta Dunia Makmur Tbk			✓
15	DSSA	Dian Swastatika Sentosa Tbk			✓
16	ELSA	Elnusa Tbk			✓
17	ESSA	Surya Esa Perkasa Tbk	✓		
18	FIRE	Alfa Energi Investama Tbk	✓		
19	GEMS	Golden Energy Mines Tbk			✓
20	GTBO	Garda Tujuh Buana Tbk			✓
21	HITS	Humpuss Intermoda Transportasi Tbk			✓
22	HRUM	Harum Energy Tbk			✓
23	INDY	Indika Energy Tbk			✓
24	INPS	PT Indah Prakasa Sentosa Tbk			✓
25	ITMG	Indo Tambangraya Megah Tbk	✓		
26	KOPI	PT Mitra Energi Persada Tbk			✓
27	KKGI	Resource Alam Indonesia Tbk			✓
28	LEAD	PT Logindo Samudramakmur Tbk			✓
29	MBAP	PT Mitrabara Adiperdana Tbk			✓
30	MBSS	Mitrabahtera Segara Sejati Tbk			✓
31	MEDC	Medco Energi Internasional Tbk	✓		
32	MITI	Mitra Investindo Tbk			✓
33	PKPK	Perdana Karya Perkasa Tbk			✓
34	PTBA	Bukit Asam Tbk			✓
35	PTRO	Petrosea Tbk	✓		
36	RIGS	Rig Tenders Tbk		✓	
37	RUIS	Radiant Utama Interinsco Tbk			✓
38	SGER	PT Sumber Global Energy Tbk			✓
39	SIAP	Sekawan Intipratama Tbk	✓		
40	SMMT	Golden Eagle Energy Tbk			✓
41	SMRU	SMR Utama Tbk			✓
42	SURE	PT Super Energy Tbk			✓
43	TCPI	PT Transcoal Pacific Tbk			✓

NO	KODE	NAMA	LK TL	DV TL	SMPL
44	TEBE	PT Dana Brata Luhur Tbk			✓
45	TINS	Timah Tbk	✓		
46	TOBA	Toba Bara Sejahtera Tbk		✓	
47	UNIQ	PT Ulima Nitra Tbk			✓
48	WOWS	PT Ginting Jaya Energi Tbk			✓
49	ZINC	Kapuas Prima Coal Tbk	✓		

Keterangan :

LKTL : Perusahaan tidak melaporkan laporan keuangan

DVTL : Data Variabel penelitian tidak lengkap

SMPL : Sampel

## LAMPIRAN 2

## DATA PERHITUNGAN WORKING CAPITAL TO TOTAL ASSET

NO	KODE	TAHUN	WORKING CAPITAL		TOTAL ASSET	X1 (Aktv Lncr - Kwjb Lncr)/TA
			AKTIVA LANCAR	KEWAJIBAN LANCAR		
1	AKRA	2019	Rp 10,777,639,192,000.00	Rp 8,712,526,231,000.00	Rp 21,409,046,173,000.00	0.10
		2020	Rp 8,042,418,506,000.00	Rp 5,102,110,055,000.00	Rp 18,683,572,815,000.00	0.16
		2021	Rp 12,022,678,362,000.00	Rp 9,306,841,393,000.00	Rp 23,508,585,736,000.00	0.12
		2022	Rp 15,841,294,251,000.00	Rp 11,280,491,593,000.00	Rp 27,187,608,036,000.00	0.17
		2023	Rp 18,121,051,657,000.00	Rp 12,533,377,808,000.00	Rp 30,254,623,117,000.00	0.18
2	ANTM	2019	Rp 7,665,239,260,000.00	Rp 5,293,238,393,000.00	Rp 30,194,907,730,000.00	0.08
		2020	Rp 9,150,514,439,000.00	Rp 7,553,261,301,000.00	Rp 31,729,512,995,000.00	0.05
		2021	Rp 11,728,143,000,000.00	Rp 6,562,383,000,000.00	Rp 32,916,154,000,000.00	0.16
		2022	Rp 11,694,779,000,000.00	Rp 5,971,662,000,000.00	Rp 33,637,271,000,000.00	0.17
		2023	Rp 20,064,546,000,000.00	Rp 8,576,440,000,000.00	Rp 42,851,329,000,000.00	0.27
3	ARII	2019	Rp 884,312,975,000.00	Rp 3,672,716,320,000.00	Rp 5,133,542,960,000.00	-0.54
		2020	Rp 839,882,225,000.00	Rp 4,035,341,765,000.00	Rp 5,089,112,210,000.00	-0.63
		2021	Rp 1,182,672,311,000.00	Rp 2,663,620,113,000.00	Rp 5,812,132,570,000.00	-0.25
		2022	Rp 2,278,965,701,000.00	Rp 3,159,083,689,000.00	Rp 7,058,892,975,000.00	-0.12
		2023	Rp 3,275,992,496,000.00	Rp 4,698,411,400,000.00	Rp 8,135,794,000,000.00	-0.17
4	BESS	2019	Rp 21,327,461,587.00	Rp 92,129,728,055.00	Rp 568,979,239,113.00	-0.12
		2020	Rp 99,934,687,098.00	Rp 105,590,771,015.00	Rp 620,407,533,334.00	-0.01
		2021	Rp 137,475,358,287.00	Rp 110,883,887,168.00	Rp 667,408,015,354.00	0.04
		2022	Rp 213,870,565,668.00	Rp 181,429,256,697.00	Rp 772,666,449,902.00	0.04
		2023	Rp 168,832,887,239.00	Rp 74,520,364,386.00	Rp 689,803,373,589.00	0.14
5	BSSR	2019	Rp 1,093,664,096,070.00	Rp 906,452,916,460.00	Rp 3,535,845,857,180.00	0.05
		2020	Rp 1,353,629,006,730.00	Rp 858,343,511,935.00	Rp 3,714,463,847,640.00	0.13
		2021	Rp 4,275,434,764,702.00	Rp 2,669,342,531,677.00	Rp 6,847,977,799,166.00	0.23
		2022	Rp 3,354,552,359,969.00	Rp 2,693,918,396,544.00	Rp 6,368,399,213,925.00	0.10
		2023	Rp 3,265,833,937,808.00	Rp 2,367,719,252,296.00	Rp 6,296,735,697,368.00	0.14
6	ELSA	2019	Rp 3,698,370,000,000.00	Rp 2,504,335,000,000.00	Rp 6,805,037,000,000.00	0.18
		2020	Rp 4,217,325,000,000.00	Rp 2,573,467,000,000.00	Rp 7,562,822,000,000.00	0.22
		2021	Rp 4,446,784,000,000.00	Rp 2,561,234,000,000.00	Rp 7,234,857,000,000.00	0.26
		2022	Rp 5,287,016,000,000.00	Rp 3,531,761,000,000.00	Rp 8,836,089,000,000.00	0.20
		2023	Rp 6,106,301,000,000.00	Rp 4,234,123,000,000.00	Rp 9,601,482,000,000.00	0.19
7	INPS	2019	Rp 74,724,532,294.00	Rp 203,306,140,876.00	Rp 478,788,186,515.00	-0.27
		2020	Rp 46,267,175,738.00	Rp 195,683,515,705.00	Rp 453,895,243,881.00	-0.33
		2021	Rp 38,529,570,168.00	Rp 295,685,032,740.00	Rp 415,503,803,268.00	-0.62
		2022	Rp 39,833,266,109.00	Rp 244,381,734,232.00	Rp 310,491,319,675.00	-0.66
		2023	Rp 33,086,858,276.00	Rp 232,780,615,747.00	Rp 293,286,043,387.00	-0.68
8	KOPI	2019	Rp 72,956,352,986.00	Rp 55,776,736,715.00	Rp 148,795,491,227.00	0.12
		2020	Rp 111,872,847,977.00	Rp 87,767,592,238.00	Rp 185,404,119,807.00	0.13
		2021	Rp 67,657,852,213.00	Rp 43,021,745,967.00	Rp 139,180,731,717.00	0.18
		2022	Rp 89,651,889,479.00	Rp 62,933,439,049.00	Rp 257,592,474,057.00	0.10
		2023	Rp 92,613,434,964.00	Rp 107,030,694,400.00	Rp 345,240,596,972.00	-0.04
9	MITI	2019	Rp 49,132,663,896.00	Rp 43,307,998,193.00	Rp 57,163,867,424.00	0.10
		2020	Rp 22,244,772,501.00	Rp 36,588,443,043.00	Rp 27,606,076,935.00	-0.52
		2021	Rp 51,450,314,927.00	Rp 20,515,221,523.00	Rp 78,091,681,970.00	0.40
		2022	Rp 200,200,256,743.00	Rp 68,244,336,694.00	Rp 475,033,060,324.00	0.28
		2023	Rp 222,565,767,154.00	Rp 47,505,697,907.00	Rp 494,887,993,945.00	0.35
10	PKPK	2019	Rp 12,783,032,000.00	Rp 87,477,000.00	Rp 71,655,559,000.00	0.18
		2020	Rp 6,752,830,000.00	Rp 1,750,793,000.00	Rp 68,655,724,000.00	0.07
		2021	Rp 6,617,838,000.00	Rp 466,098,000.00	Rp 64,597,184,000.00	0.10
		2022	Rp 31,564,847,000.00	Rp 38,081,311,000.00	Rp 71,631,767,000.00	-0.09
		2023	Rp 213,112,702,000.00	Rp 6,090,086,000.00	Rp 251,200,338,000.00	0.82
11	PTBA	2019	Rp 11,668,127,000,000.00	Rp 4,691,251,000,000.00	Rp 26,098,052,000,000.00	0.27
		2020	Rp 8,364,356,000,000.00	Rp 3,872,457,000,000.00	Rp 24,056,755,000,000.00	0.19
		2021	Rp 18,211,500,000,000.00	Rp 7,500,647,000,000.00	Rp 36,123,703,000,000.00	0.30
		2022	Rp 24,432,148,000,000.00	Rp 10,701,780,000,000.00	Rp 45,359,207,000,000.00	0.30
		2023	Rp 15,148,356,000,000.00	Rp 9,968,101,000,000.00	Rp 38,765,189,000,000.00	0.13
12	RUIS	2019	Rp 611,756,617,722.00	Rp 591,403,183,354.00	Rp 1,251,357,407,016.00	0.02
		2020	Rp 665,500,151,752.00	Rp 620,170,304,014.00	Rp 1,345,151,507,257.00	0.03
		2021	Rp 705,432,871,300.00	Rp 614,886,507,245.00	Rp 1,296,770,655,592.00	0.07
		2022	Rp 712,548,890,131.00	Rp 566,119,922,178.00	Rp 1,267,549,300,138.00	0.12
		2023	Rp 844,576,043,342.00	Rp 617,852,302,675.00	Rp 1,341,729,318,010.00	0.17



NO	KODE	TAHUN	WORKING CAPITAL		TOTAL ASET	X1 (Aktv Lncr - Kwjbjn Lncr)/TA
			AKTIVA LANCAR	KEWAJIBAN LANCAR		
13	SGER	2019	Rp 579,868,360,035.00	Rp 468,809,364,197.00	Rp 638,097,839,897.00	0.17
		2020	Rp 626,065,851,416.00	Rp 438,247,567,095.00	Rp 685,999,877,295.00	0.27
		2021	Rp 1,162,018,967,015.00	Rp 792,866,256,293.00	Rp 1,237,084,547,855.00	0.30
		2022	Rp 3,312,541,662,345.00	Rp 2,344,203,788,141.00	Rp 3,370,495,011,962.00	0.29
		2023	Rp 4,421,805,328,128.00	Rp 2,967,417,034,393.00	Rp 4,576,848,746,878.00	0.32
14	SMMT	2019	Rp 85,378,192,680.00	Rp 139,763,286,351.00	Rp 871,513,339,763.00	-0.06
		2020	Rp 93,577,946,345.00	Rp 160,127,033,037.00	Rp 881,786,218,140.00	-0.08
		2021	Rp 237,930,057,104.00	Rp 111,872,346,585.00	Rp 1,051,640,434,770.00	0.12
		2022	Rp 171,801,416,368.00	Rp 159,985,988,549.00	Rp 1,182,852,785,319.00	0.01
		2023	Rp 188,675,899,475.00	Rp 175,199,888,029.00	Rp 1,007,863,610,940.00	0.01
15	SMRU	2019	Rp 266,422,913,179.00	Rp 233,400,194,285.00	Rp 1,675,570,667,301.00	0.02
		2020	Rp 155,039,529,753.00	Rp 327,120,710,729.00	Rp 1,288,617,641,905.00	-0.13
		2021	Rp 165,378,703,034.00	Rp 710,531,093,707.00	Rp 1,029,461,271,703.00	-0.53
		2022	Rp 125,400,934,643.00	Rp 661,317,957,927.00	Rp 936,030,494,471.00	-0.57
		2023	Rp 84,928,603,967.00	Rp 662,681,316,371.00	Rp 828,406,395,643.00	-0.70
16	SURE	2019	Rp 341,114,038,281.00	Rp 701,238,614,733.00	Rp 909,963,882,315.00	-0.40
		2020	Rp 540,587,740,453.00	Rp 76,899,627,855.00	Rp 1,093,996,495,741.00	0.42
		2021	Rp 425,376,340,489.00	Rp 58,478,126,139.00	Rp 997,439,630,855.00	0.37
		2022	Rp 354,832,585,516.00	Rp 80,241,436,430.00	Rp 961,382,427,552.00	0.29
		2023	Rp 219,777,659,145.00	Rp 95,963,679,228.00	Rp 983,779,522,672.00	0.13
17	TCPI	2019	Rp 972,877,000,000.00	Rp 976,285,000,000.00	Rp 3,077,535,000,000.00	0.00
		2020	Rp 771,851,000,000.00	Rp 936,229,000,000.00	Rp 2,752,211,000,000.00	-0.06
		2021	Rp 762,722,000,000.00	Rp 954,930,000,000.00	Rp 2,847,296,000,000.00	-0.07
		2022	Rp 702,956,000,000.00	Rp 859,876,000,000.00	Rp 2,809,869,000,000.00	-0.06
		2023	Rp 800,686,000,000.00	Rp 889,080,000,000.00	Rp 3,509,253,000,000.00	-0.03
18	TEBE	2019	Rp 161,552,193,000.00	Rp 120,301,292,000.00	Rp 898,913,890,000.00	0.05
		2020	Rp 82,923,190,000.00	Rp 78,671,662,000.00	Rp 834,038,915,000.00	0.01
		2021	Rp 291,282,052,000.00	Rp 116,195,378,000.00	Rp 989,060,914,000.00	0.18
		2022	Rp 454,419,703,000.00	Rp 235,004,804,000.00	Rp 1,302,505,388,000.00	0.17
		2023	Rp 449,977,658,000.00	Rp 47,641,053,000.00	Rp 1,150,900,654,000.00	0.35
19	UNIQ	2019	Rp 141,222,184,578.00	Rp 212,199,860,559.00	Rp 580,579,119,615.00	-0.12
		2020	Rp 179,504,843,132.00	Rp 209,753,907,011.00	Rp 539,154,214,761.00	-0.06
		2021	Rp 149,806,535,419.00	Rp 154,573,090,834.00	Rp 516,019,518,477.00	-0.01
		2022	Rp 220,936,447,009.00	Rp 161,699,220,994.00	Rp 581,518,014,122.00	0.10
		2023	Rp 260,626,815,840.00	Rp 235,683,736,954.00	Rp 726,265,910,969.00	0.03
20	WOW S	2019	Rp 421,437,294,531.00	Rp 164,587,029,014.00	Rp 808,300,723,068.00	0.32
		2020	Rp 356,617,698,072.00	Rp 111,571,386,583.00	Rp 765,277,957,352.00	0.32
		2021	Rp 308,251,271,996.00	Rp 68,972,744,633.00	Rp 714,710,154,018.00	0.33
		2022	Rp 327,996,302,689.00	Rp 132,566,823,714.00	Rp 679,232,519,898.00	0.29
		2023	Rp 292,724,689,556.00	Rp 99,115,336,099.00	Rp 666,222,140,701.00	0.29
21	BYAN	2019	Rp 7,328,608,421,680.00	Rp 8,194,117,555,715.00	Rp 18,026,755,934,915.00	-0.05
		2020	Rp 10,850,623,931,420.00	Rp 3,338,589,463,300.00	Rp 22,846,221,435,310.00	0.33
		2021	Rp 22,313,366,203,759.00	Rp 7,125,856,695,800.00	Rp 38,284,726,476,621.00	0.40
		2022	Rp 37,761,057,941,247.00	Rp 28,811,650,951,875.00	Rp 62,066,013,405,315.00	0.14
		2023	Rp 29,308,808,476,840.00	Rp 20,635,829,327,056.00	Rp 53,097,634,283,456.00	0.16
22	DEWA	2019	Rp 2,811,579,298,710.00	Rp 2,779,234,305,120.00	Rp 7,750,959,810,685.00	0.00
		2020	Rp 3,112,448,328,535.00	Rp 2,790,616,687,495.00	Rp 7,766,771,050,220.00	0.04
		2021	Rp 2,571,326,886,585.00	Rp 3,155,160,298,945.00	Rp 8,864,364,983,138.00	-0.07
		2022	Rp 2,584,964,184,871.00	Rp 3,630,042,048,054.00	Rp 8,620,136,127,025.00	-0.12
		2023	Rp 2,906,789,518,000.00	Rp 4,192,286,412,000.00	Rp 8,137,619,055,000.00	-0.16
23	DOID	2019	Rp 6,650,643,542,725.00	Rp 3,629,913,780,675.00	Rp 16,670,857,349,055.00	0.18
		2020	Rp 5,185,282,272,170.00	Rp 3,108,010,768,590.00	Rp 13,744,613,766,065.00	0.15
		2021	Rp 10,602,875,378,430.00	Rp 7,457,676,924,007.00	Rp 25,735,260,127,417.00	0.12
		2022	Rp 10,259,485,424,460.00	Rp 6,598,576,385,750.00	Rp 24,714,775,999,517.00	0.15
		2023	Rp 15,805,777,342,368.00	Rp 8,143,986,339,888.00	Rp 28,898,824,412,064.00	0.27
24	DSSA	2019	Rp 12,204,819,550,105.00	Rp 9,413,504,495,850.00	Rp 52,456,115,067,720.00	0.05
		2020	Rp 15,866,944,242,240.00	Rp 10,219,137,185,530.00	Rp 40,907,752,923,310.00	0.14
		2021	Rp 18,019,117,461,946.00	Rp 10,588,097,441,065.00	Rp 47,351,453,580,776.00	0.16
		2022	Rp 35,661,209,244,611.00	Rp 26,230,471,897,300.00	Rp 101,168,891,290,058.00	0.09
		2023	Rp 21,316,315,323,112.00	Rp 12,728,480,545,000.00	Rp 47,223,416,830,072.00	0.18

NO	KODE	TAHUN	WORKING CAPITAL		TOTAL ASET	X1 (Aktv Lncr - Kwjb Lncr)/TA
			AKTIVA LANCAR	KEWAJIBAN LANCAR		
25	GEMS	2019	Rp 5,187,308,751,625.00	Rp 3,921,157,135,350.00	Rp 11,011,014,185,535.00	0.11
		2020	Rp 5,752,819,233,070.00	Rp 4,663,439,333,280.00	Rp 11,477,489,075,325.00	0.09
		2021	Rp 6,829,775,868,072.00	Rp 6,689,160,879,483.00	Rp 13,041,422,745,947.00	0.01
		2022	Rp 11,394,274,270,408.00	Rp 7,444,837,391,924.00	Rp 17,761,664,513,724.00	0.22
		2023	Rp 12,979,873,974,296.00	Rp 9,486,661,174,096.00	Rp 20,226,443,248,920.00	0.17
26	GTBO	2019	Rp 24,429,761,265.00	Rp 53,452,843,990.00	Rp 776,489,051,520.00	-0.04
		2020	Rp 24,823,840,860.00	Rp 57,626,781,485.00	Rp 791,148,843,485.00	-0.04
		2021	Rp 47,060,403,401.00	Rp 85,517,019,510.00	Rp 897,998,786,460.00	-0.04
		2022	Rp 154,673,704,634.00	Rp 76,446,603,565.00	Rp 971,207,179,406.00	0.08
		2023	Rp 311,906,886,968.00	Rp 223,474,714,144.00	Rp 1,022,135,388,056.00	0.09
27	HITS	2019	Rp 466,898,688,620.00	Rp 644,635,511,520.00	Rp 2,875,272,908,690.00	-0.06
		2020	Rp 555,233,973,385.00	Rp 955,514,422,590.00	Rp 3,145,076,592,840.00	-0.13
		2021	Rp 685,751,588,201.00	Rp 821,343,086,443.00	Rp 3,517,185,447,211.00	-0.04
		2022	Rp 1,020,378,997,627.00	Rp 956,404,717,412.00	Rp 3,616,877,796,669.00	0.02
		2023	Rp 1,342,358,420,808.00	Rp 741,358,523,200.00	Rp 4,190,383,348,064.00	0.14
28	HRUM	2019	Rp 4,067,739,610,025.00	Rp 441,071,418,060.00	Rp 6,304,962,561,170.00	0.58
		2020	Rp 3,518,574,369,310.00	Rp 349,262,198,740.00	Rp 7,034,194,756,680.00	0.45
		2021	Rp 3,895,181,320,186.00	Rp 1,267,564,857,003.00	Rp 13,759,238,422,442.00	0.19
		2022	Rp 8,168,952,736,141.00	Rp 3,550,773,051,393.00	Rp 20,116,894,920,736.00	0.23
		2023	Rp 6,664,311,564,008.00	Rp 3,959,510,048,456.00	Rp 25,175,980,471,872.00	0.11
29	INDY	2019	Rp 20,190,275,662,830.00	Rp 10,034,454,073,280.00	Rp 51,005,980,031,825.00	0.20
		2020	Rp 19,663,988,365,385.00	Rp 9,982,303,924,775.00	Rp 49,278,678,797,985.00	0.20
		2021	Rp 32,908,471,144,622.00	Rp 17,866,701,847,976.00	Rp 58,070,626,275,831.00	0.26
		2022	Rp 31,506,634,856,242.00	Rp 18,545,693,856,939.00	Rp 56,535,201,092,702.00	0.23
		2023	Rp 22,878,923,785,432.00	Rp 15,146,063,635,512.00	Rp 47,991,586,444,240.00	0.16
30	KKG1	2019	Rp 552,874,672,350.00	Rp 254,360,401,750.00	Rp 1,782,230,744,385.00	0.17
		2020	Rp 466,666,816,525.00	Rp 152,956,086,920.00	Rp 1,533,048,231,715.00	0.20
		2021	Rp 789,885,758,550.00	Rp 326,556,745,724.00	Rp 2,079,359,871,417.00	0.22
		2022	Rp 1,465,878,589,439.00	Rp 567,351,540,268.00	Rp 2,677,175,358,390.00	0.34
		2023	Rp 1,795,367,647,456.00	Rp 754,054,801,648.00	Rp 3,091,471,608,960.00	0.34
31	LEAD	2019	Rp 294,492,582,475.00	Rp 211,640,052,260.00	Rp 2,128,970,531,870.00	0.04
		2020	Rp 276,975,173,930.00	Rp 85,412,869,815.00	Rp 1,992,248,820,380.00	0.10
		2021	Rp 373,389,002,432.00	Rp 112,626,346,196.00	Rp 2,149,282,341,621.00	0.12
		2022	Rp 399,616,276,217.00	Rp 134,052,188,430.00	Rp 2,104,189,036,846.00	0.13
		2023	Rp 423,352,449,992.00	Rp 179,181,540,024.00	Rp 1,996,717,642,136.00	0.12
32	MBAP	2019	Rp 1,863,139,549,180.00	Rp 517,018,422,375.00	Rp 2,715,597,411,345.00	0.50
		2020	Rp 1,772,295,393,960.00	Rp 473,368,003,290.00	Rp 2,566,730,603,710.00	0.51
		2021	Rp 3,267,274,505,328.00	Rp 821,395,618,952.00	Rp 4,018,377,084,888.00	0.61
		2022	Rp 4,090,661,316,232.00	Rp 763,489,191,792.00	Rp 4,779,692,845,432.00	0.70
		2023	Rp 2,918,039,394,770.00	Rp 779,625,375,338.00	Rp 3,543,260,535,350.00	0.60
33	MBSS	2019	Rp 817,947,976,755.00	Rp 220,350,806,585.00	Rp 3,076,800,240,150.00	0.19
		2020	Rp 758,547,392,785.00	Rp 359,736,529,425.00	Rp 2,748,487,041,300.00	0.15
		2021	Rp 699,259,231,585.00	Rp 94,245,600,825.00	Rp 2,794,440,446,135.00	0.22
		2022	Rp 1,760,628,432,988.00	Rp 249,548,844,348.00	Rp 3,319,144,600,432.00	0.46
		2023	Rp 2,497,525,980,456.00	Rp 192,370,097,600.00	Rp 3,808,801,999,176.00	0.61

## LAMPIRAN 3

## DATA PERHITUNGAN RETAINED EARNINGS TO TOTAL ASSET

NO	KODE	TAHUN	LABA DITAHAN	TOTAL ASET	Laba dithn/TA
1	AKRA	2019	Rp 6,398,273,146,000.00	Rp 21,409,046,173,000.00	0.3
		2020	Rp 6,927,443,993,000.00	Rp 18,683,572,815,000.00	0.37
		2021	Rp 7,515,040,978,000.00	Rp 23,508,585,736,000.00	0.32
		2022	Rp 9,090,404,725,000.00	Rp 27,187,608,036,000.00	0.33
		2023	Rp 9,392,897,529,000.00	Rp 30,254,623,117,000.00	0.31
2	ANTM	2019	Rp 7,432,160,733,000.00	Rp 30,194,907,730,000.00	0.25
		2020	Rp 8,305,448,751,000.00	Rp 31,729,512,995,000.00	0.26
		2021	Rp 9,790,892,000,000.00	Rp 32,916,154,000,000.00	0.3
		2022	Rp 12,661,897,000,000.00	Rp 33,637,271,000,000.00	0.38
		2023	Rp 13,909,027,000,000.00	Rp 42,851,329,000,000.00	0.32
3	ARII	2019	-Rp 1,910,451,725,000.00	Rp 5,133,542,960,000.00	-0.37
		2020	-Rp 2,120,785,485,000.00	Rp 5,089,112,210,000.00	-0.42
		2021	-Rp 2,373,682,052,000.00	Rp 5,812,132,570,000.00	-0.41
		2022	-Rp 2,025,334,788,000.00	Rp 7,058,892,975,000.00	-0.29
		2023	-Rp 1,998,746,064,000.00	Rp 8,135,794,000,000.00	-0.25
4	BESS	2019	Rp 42,023,872,665.00	Rp 568,979,239,113.00	0.07
		2020	Rp 88,763,536,293.00	Rp 620,407,533,334.00	0.14
		2021	Rp 201,135,308,247.00	Rp 667,408,015,354.00	0.3
		2022	Rp 256,976,662,912.00	Rp 772,666,449,902.00	0.33
		2023	Rp 336,204,864,918.00	Rp 689,803,373,589.00	0.49
5	BSSR	2019	Rp 1,327,247,705,875.00	Rp 3,535,845,857,180.00	0.38
		2020	Rp 1,610,170,732,625.00	Rp 3,714,463,847,640.00	0.43
		2021	Rp 2,774,830,291,652.00	Rp 6,847,977,799,166.00	0.41
		2022	Rp 2,269,318,366,361.00	Rp 6,368,399,213,925.00	0.36
		2023	Rp 2,563,115,587,776.00	Rp 6,296,735,697,368.00	0.41
6	ELSA	2019	Rp 2,329,556,000,000.00	Rp 6,805,037,000,000.00	0.34
		2020	Rp 2,479,251,000,000.00	Rp 7,562,822,000,000.00	0.33
		2021	Rp 2,503,303,000,000.00	Rp 7,234,857,000,000.00	0.35
		2022	Rp 2,824,819,000,000.00	Rp 8,836,089,000,000.00	0.32
		2023	Rp 3,138,916,000,000.00	Rp 9,601,482,000,000.00	0.33
7	INPS	2019	-Rp 63,006,212,431.00	Rp 478,788,186,515.00	-0.13
		2020	-Rp 80,598,997,367.00	Rp 453,895,243,881.00	-0.18
		2021	-Rp 110,254,400,253.00	Rp 415,503,803,268.00	-0.27
		2022	-Rp 184,094,738,626.00	Rp 310,491,319,675.00	-0.59
		2023	Rp 169,097,842,352.00	Rp 293,286,043,387.00	0.58
8	KOPI	2019	-Rp 131,762,809,362.00	Rp 148,795,491,227.00	-0.89
		2020	-Rp 130,873,962,430.00	Rp 185,404,119,807.00	-0.71
		2021	-Rp 129,060,149,014.00	Rp 139,180,731,717.00	-0.93
		2022	-Rp 122,190,344,350.00	Rp 257,592,474,057.00	-0.47
		2023	-Rp 119,810,107,274.00	Rp 345,240,596,972.00	-0.35
9	MITI	2019	-Rp 260,570,646,780.00	Rp 57,163,867,424.00	-4.56
		2020	-Rp 258,610,635,136.00	Rp 27,606,076,935.00	-9.37
		2021	Rp 7,012,055,057.00	Rp 78,091,681,970.00	0.09
		2022	Rp 22,265,330,689.00	Rp 475,033,060,324.00	0.05
		2023	Rp 55,144,188,564.00	Rp 494,887,993,945.00	0.11
10	PKPK	2019	-Rp 97,909,548,000.00	Rp 71,655,559,000.00	-1.37
		2020	-Rp 97,883,745,000.00	Rp 68,655,724,000.00	-1.43
		2021	-Rp 100,960,345,000.00	Rp 64,597,184,000.00	-1.56
		2022	-Rp 130,320,871,000.00	Rp 71,631,767,000.00	-1.82
		2023	-Rp 136,350,422,000.00	Rp 251,200,338,000.00	-0.54
11	PTBA	2019	Rp 3,326,649,000,000.00	Rp 26,098,052,000,000.00	0.13
		2020	Rp 1,790,175,000,000.00	Rp 24,056,755,000,000.00	0.07
		2021	Rp 8,382,833,000,000.00	Rp 36,123,703,000,000.00	0.23
		2022	Rp 12,561,417,000,000.00	Rp 45,359,207,000,000.00	0.28
		2023	Rp 5,288,732,000,000.00	Rp 38,765,189,000,000.00	0.14

NO	KODE	TAHUN	LABA DITAHAN	TOTAL ASET	Labadih/TA
12	RUIS	2019	Rp 309,622,981,126.00	Rp 1,251,357,407,016.00	0.25
		2020	Rp 331,458,444,133.00	Rp 1,345,151,507,257.00	0.25
		2021	Rp 351,863,745,798.00	Rp 1,296,770,655,592.00	0.27
		2022	Rp 369,743,609,732.00	Rp 1,267,549,300,138.00	0.29
		2023	Rp 381,852,942,887.00	Rp 1,341,729,318,010.00	0.28
13	SGER	2019	Rp 83,614,280,832.00	Rp 638,097,839,897.00	0.13
		2020	Rp 114,463,006,726.00	Rp 685,999,877,295.00	0.17
		2021	Rp 192,909,148,026.00	Rp 1,237,084,547,855.00	0.16
		2022	Rp 760,521,165,484.00	Rp 3,370,495,011,962.00	0.23
		2023	Rp 614,364,183,790.00	Rp 4,576,848,746,878.00	0.13
14	SMMT	2019	Rp 58,606,225,046.00	Rp 871,513,339,763.00	0.07
		2020	Rp 41,577,174,706.00	Rp 881,786,218,140.00	0.05
		2021	Rp 275,015,042,566.00	Rp 1,051,640,434,770.00	0.26
		2022	Rp 395,096,842,336.00	Rp 1,182,852,785,319.00	0.33
		2023	Rp 166,482,871,890.00	Rp 1,007,863,610,940.00	0.17
15	SMRU	2019	-Rp 735,786,811,115.00	Rp 1,675,570,667,301.00	-0.44
		2020	-Rp 1,062,365,679,365.00	Rp 1,288,617,641,905.00	-0.82
		2021	-Rp 1,297,369,903,663.00	Rp 1,029,461,271,703.00	-1.26
		2022	Rp 1,314,178,105,266.00	Rp 936,030,494,471.00	1.4
		2023	Rp 1,397,969,569,584.00	Rp 828,406,395,643.00	1.69
16	SURE	2019	-Rp 65,724,150,178.00	Rp 909,963,882,315.00	-0.07
		2020	-Rp 85,290,429,222.00	Rp 1,093,996,495,741.00	-0.08
		2021	-Rp 141,961,812,092.00	Rp 997,439,630,855.00	-0.14
		2022	-Rp 208,789,663,188.00	Rp 961,382,427,552.00	-0.22
		2023	-Rp 326,096,320,275.00	Rp 983,779,522,672.00	-0.33
17	TCPI	2019	Rp 499,536,000,000.00	Rp 3,077,535,000,000.00	0.16
		2020	Rp 523,470,000,000.00	Rp 2,752,211,000,000.00	0.19
		2021	Rp 603,640,000,000.00	Rp 2,847,296,000,000.00	0.21
		2022	Rp 694,510,000,000.00	Rp 2,809,869,000,000.00	0.25
		2023	Rp 833,861,000,000.00	Rp 3,509,253,000,000.00	0.24
18	TEBE	2019	Rp 247,816,296,000.00	Rp 898,913,890,000.00	0.28
		2020	Rp 243,683,102,000.00	Rp 834,038,915,000.00	0.29
		2021	Rp 400,950,411,000.00	Rp 989,060,914,000.00	0.41
		2022	Rp 639,771,785,000.00	Rp 1,302,505,388,000.00	0.49
		2023	Rp 672,523,024,000.00	Rp 1,150,900,654,000.00	0.58
19	UNIQ	2019	Rp 265,678,565,225.00	Rp 580,579,119,615.00	0.46
		2020	Rp 262,933,637,480.00	Rp 539,154,214,761.00	0.49
		2021	Rp 260,078,668,269.00	Rp 516,019,518,477.00	0.5
		2022	Rp 282,114,861,886.00	Rp 581,518,014,122.00	0.49
		2023	Rp 310,940,318,294.00	Rp 726,265,910,969.00	0.43
20	WOWS	2019	Rp 52,296,987,168.00	Rp 808,300,723,068.00	0.06
		2020	Rp 54,707,810,827.00	Rp 765,277,957,352.00	0.07
		2021	Rp 21,010,388,446.00	Rp 714,710,154,018.00	0.03
		2022	-Rp 6,544,844,913.00	Rp 679,232,519,898.00	-0.01
		2023	-Rp 16,768,945,463.00	Rp 666,222,140,701.00	-0.03
21	BYAN	2019	Rp 6,473,865,478,990.00	Rp 18,026,755,934,915.00	0.36
		2020	Rp 10,160,690,409,870.00	Rp 22,846,221,435,310.00	0.44
		2021	Rp 25,700,699,261,996.00	Rp 38,284,726,476,621.00	0.67
		2022	Rp 28,503,371,567,390.00	Rp 62,066,013,405,315.00	0.46
		2023	Rp 26,980,031,813,384.00	Rp 53,097,634,283,456.00	0.51
22	DEWA	2019	-Rp 1,230,097,402,625.00	Rp 7,750,959,810,685.00	-0.16
		2020	-Rp 737,424,125,620.00	Rp 7,766,771,050,220.00	-0.09
		2021	-Rp 805,339,074,938.00	Rp 8,864,364,983,138.00	-0.09
		2022	-Rp 1,068,466,855,562.00	Rp 8,620,136,127,025.00	-0.12
		2023	Rp 1,148,884,063,000.00	Rp 8,137,619,055,000.00	0.14

NO	KODE	TAHUN	LABA DITAHAN	TOTAL ASET	Labadih/TA
23	DOID	2019	Rp 1,235,377,863,265.00	Rp 16,670,857,349,055.00	0.07
		2020	Rp 996,485,484,085.00	Rp 13,744,613,766,065.00	0.07
		2021	Rp 1,113,612,922,111.00	Rp 25,735,260,127,417.00	0.04
		2022	Rp 1,470,858,693,688.00	Rp 24,714,775,999,517.00	0.06
		2023	Rp 1,874,506,022,608.00	Rp 28,898,824,412,064.00	0.06
24	DSSA	2019	Rp 10,917,260,718,910.00	Rp 52,456,115,067,720.00	0.21
		2020	Rp 9,554,412,458,500.00	Rp 40,907,752,923,310.00	0.23
		2021	Rp 12,797,760,253,027.00	Rp 47,351,453,580,776.00	0.27
		2022	Rp 22,206,483,985,020.00	Rp 101,168,891,290,058.00	0.22
		2023	Rp 27,870,294,621,368.00	Rp 47,223,416,830,072.00	0.59
25	GEMS	2019	Rp 1,917,072,767,155.00	Rp 11,011,014,185,535.00	0.17
		2020	Rp 1,775,054,867,950.00	Rp 11,477,489,075,325.00	0.15
		2021	Rp 1,460,625,253,451.00	Rp 13,041,422,745,947.00	0.11
		2022	Rp 5,147,527,016,736.00	Rp 17,761,664,513,724.00	0.29
		2023	Rp 6,622,752,448,320.00	Rp 20,226,443,248,920.00	0.33
26	GTBO	2019	Rp 167,220,304,160.00	Rp 776,489,051,520.00	0.22
		2020	Rp 156,486,342,740.00	Rp 791,148,843,485.00	0.2
		2021	Rp 164,717,539,128.00	Rp 897,998,786,460.00	0.18
		2022	Rp 255,630,763,568.00	Rp 971,207,179,406.00	0.26
		2023	Rp 286,622,411,648.00	Rp 1,022,135,388,056.00	0.28
27	HITS	2019	Rp 397,778,673,565.00	Rp 2,875,272,908,690.00	0.14
		2020	Rp 459,278,547,000.00	Rp 3,145,076,592,840.00	0.15
		2021	Rp 292,460,133,575.00	Rp 3,517,185,447,211.00	0.08
		2022	Rp 415,964,214,575.00	Rp 3,616,877,796,669.00	0.12
		2023	Rp 491,628,156,568.00	Rp 4,190,383,348,064.00	0.12
28	HRUM	2019	Rp 2,632,270,840,290.00	Rp 6,304,962,561,170.00	0.42
		2020	Rp 3,465,080,225,880.00	Rp 7,034,194,756,680.00	0.49
		2021	Rp 4,939,095,828,726.00	Rp 13,759,238,422,442.00	0.36
		2022	Rp 8,473,014,324,906.00	Rp 20,116,894,920,736.00	0.42
		2023	Rp 10,633,603,064,464.00	Rp 25,175,980,471,872.00	0.42
29	INDY	2019	Rp 7,149,292,050,355.00	Rp 51,005,980,031,825.00	0.14
		2020	Rp 5,011,069,498,890.00	Rp 49,278,678,797,985.00	0.1
		2021	Rp 6,496,722,439,582.00	Rp 58,070,626,275,831.00	0.11
		2022	Rp 13,888,104,540,640.00	Rp 56,535,201,092,702.00	0.25
		2023	Rp 14,232,278,647,664.00	Rp 47,991,586,444,240.00	0.3
30	KKGI	2019	Rp 1,636,348,357,280.00	Rp 1,782,230,744,385.00	0.92
		2020	Rp 1,512,430,840,375.00	Rp 1,533,048,231,715.00	0.99
		2021	Rp 1,919,459,951,039.00	Rp 2,079,359,871,417.00	0.92
		2022	Rp 2,425,079,822,452.00	Rp 2,677,175,358,390.00	0.91
		2023	Rp 2,605,265,167,096.00	Rp 3,091,471,608,960.00	0.84
31	LEAD	2019	-Rp 533,225,293,055.00	Rp 2,128,970,531,870.00	-0.25
		2020	-Rp 572,332,675,005.00	Rp 1,992,248,820,380.00	-0.29
		2021	-Rp 680,080,075,040.00	Rp 2,149,282,341,621.00	-0.32
		2022	-Rp 774,286,836,026.00	Rp 2,104,189,036,846.00	-0.37
		2023	-Rp 842,138,202,888.00	Rp 1,996,717,642,136.00	-0.42
32	MBAP	2019	Rp 1,652,002,989,000.00	Rp 2,715,597,411,345.00	0.61
		2020	Rp 1,546,227,520,565.00	Rp 2,566,730,603,710.00	0.6
		2021	Rp 2,672,768,384,688.00	Rp 4,018,377,084,888.00	0.67
		2022	Rp 3,454,244,772,744.00	Rp 4,779,692,845,432.00	0.72
		2023	Rp 2,207,611,046,189.00	Rp 3,543,260,535,350.00	0.62
33	MBSS	2019	Rp 1,455,405,496,090.00	Rp 3,076,800,240,150.00	0.47
		2020	Rp 1,240,928,321,815.00	Rp 2,748,487,041,300.00	0.45
		2021	Rp 1,564,876,824,253.00	Rp 2,794,440,446,135.00	0.56
		2022	Rp 1,959,787,738,136.00	Rp 3,319,144,600,432.00	0.59
		2023	Rp 2,300,124,886,672.00	Rp 3,808,801,999,176.00	0.6

## LAMPIRAN 4

## DATA PERHITUNGAN EARNINGS BEFORE INTEREST AND TAXES TO TOTAL ASSET

NO	KODE	TAHUN	EBIT	TOTAL ASET	EBIT/TA
1	AKRA	2019	Rp 899,083,233,000.00	Rp 21,409,046,173,000.00	0.04
		2020	Rp 1,226,718,840,000.00	Rp 18,683,572,815,000.00	0.07
		2021	Rp 1,436,743,040,000.00	Rp 23,508,585,736,000.00	0.06
		2022	Rp 3,085,916,786,000.00	Rp 27,187,608,036,000.00	0.11
		2023	Rp 3,687,471,936,000.00	Rp 30,254,623,117,000.00	0.12
2	ANTM	2019	Rp 687,034,053,000.00	Rp 30,194,907,730,000.00	0.02
		2020	Rp 1,641,178,012,000.00	Rp 31,729,512,995,000.00	0.05
		2021	Rp 3,043,509,000,000.00	Rp 32,916,154,000,000.00	0.09
		2022	Rp 5,214,771,000,000.00	Rp 33,637,271,000,000.00	0.16
		2023	Rp 3,854,481,000,000.00	Rp 42,851,329,000,000.00	0.09
3	ARII	2019	-Rp 80,342,080,000.00	Rp 5,133,542,960,000.00	-0.02
		2020	-Rp 252,733,390,000.00	Rp 5,089,112,210,000.00	-0.05
		2021	Rp 84,711,435,000.00	Rp 5,812,132,570,000.00	0.01
		2022	Rp 563,657,461,000.00	Rp 7,058,892,975,000.00	0.08
		2023	Rp 49,500,776,000.00	Rp 8,135,794,000,000.00	0.01
4	BESS	2019	Rp 13,038,181,894.00	Rp 568,979,239,113.00	0.02
		2020	Rp 54,741,228,792.00	Rp 620,407,533,334.00	0.09
		2021	Rp 115,531,892,914.00	Rp 667,408,015,354.00	0.17
		2022	Rp 58,751,082,752.00	Rp 772,666,449,902.00	0.08
		2023	Rp 81,094,051,677.00	Rp 689,803,373,589.00	0.12
5	BSSR	2019	Rp 582,763,999,545.00	Rp 3,535,845,857,180.00	0.16
		2020	Rp 576,034,278,365.00	Rp 3,714,463,847,640.00	0.16
		2021	Rp 4,156,263,252,798.00	Rp 6,847,977,799,166.00	0.61
		2022	Rp 4,857,436,663,925.00	Rp 6,368,399,213,925.00	0.76
		2023	Rp 3,400,614,730,864.00	Rp 6,296,735,697,368.00	0.54
6	ELSA	2019	Rp 494,579,000,000.00	Rp 6,805,037,000,000.00	0.07
		2020	Rp 381,009,000,000.00	Rp 7,562,822,000,000.00	0.05
		2021	Rp 230,752,000,000.00	Rp 7,234,857,000,000.00	0.03
		2022	Rp 486,887,000,000.00	Rp 8,836,089,000,000.00	0.06
		2023	Rp 646,611,000,000.00	Rp 9,601,482,000,000.00	0.07
7	INPS	2019	-Rp 1,292,554,812.00	Rp 478,788,186,515.00	0.00
		2020	-Rp 13,803,451,368.00	Rp 453,895,243,881.00	-0.03
		2021	-Rp 28,034,219,787.00	Rp 415,503,803,268.00	-0.07
		2022	-Rp 74,480,198,387.00	Rp 310,491,319,675.00	-0.24
		2023	-Rp 3,173,846,707.00	Rp 293,286,043,387.00	-0.01
8	KOPI	2019	Rp 11,760,253,041.00	Rp 148,795,491,227.00	0.08
		2020	Rp 4,106,440,714.00	Rp 185,404,119,807.00	0.02
		2021	Rp 4,438,038,016.00	Rp 139,180,731,717.00	0.03
		2022	Rp 11,222,359,561.00	Rp 257,592,474,057.00	0.04
		2023	Rp 7,010,601,071.00	Rp 345,240,596,972.00	0.02
9	MITI	2019	-Rp 87,934,380,048.00	Rp 57,163,867,424.00	-1.54
		2020	-Rp 3,234,723,552.00	Rp 27,606,076,935.00	-0.12
		2021	Rp 5,708,851,211.00	Rp 78,091,681,970.00	0.07
		2022	Rp 18,848,484,833.00	Rp 475,033,060,324.00	0.04
		2023	Rp 58,396,574,397.00	Rp 494,887,993,945.00	0.12
10	PKPK	2019	-Rp 9,492,894,000.00	Rp 71,655,559,000.00	-0.13
		2020	Rp 172,167,000.00	Rp 68,655,724,000.00	0.00
		2021	-Rp 1,392,533,000.00	Rp 64,597,184,000.00	-0.02
		2022	-Rp 13,154,136,000.00	Rp 71,631,767,000.00	-0.18
		2023	-Rp 6,112,692,000.00	Rp 251,200,338,000.00	-0.02
11	PTBA	2019	Rp 5,455,162,000,000.00	Rp 26,098,052,000,000.00	0.21
		2020	Rp 3,231,685,000,000.00	Rp 24,056,755,000,000.00	0.13
		2021	Rp 10,358,675,000,000.00	Rp 36,123,703,000,000.00	0.29
		2022	Rp 16,202,314,000,000.00	Rp 45,359,207,000,000.00	0.36
		2023	Rp 8,154,313,000,000.00	Rp 38,765,189,000,000.00	0.21

NO	KODE	TAHUN	EBIT	TOTAL ASET	EBIT/TA
12	RUIS	2019	Rp 50,653,045,141.00	Rp 1,251,357,407,016.00	0.04
		2020	Rp 48,080,574,358.00	Rp 1,345,151,507,257.00	0.04
		2021	Rp 32,388,518,368.00	Rp 1,296,770,655,592.00	0.02
		2022	Rp 38,796,496,871.00	Rp 1,267,549,300,138.00	0.03
		2023	Rp 31,703,255,835.00	Rp 1,341,729,318,010.00	0.02
13	SGER	2019	Rp 27,730,565,179.00	Rp 638,097,839,897.00	0.04
		2020	Rp 40,597,365,323.00	Rp 685,999,877,295.00	0.06
		2021	Rp 270,778,171,010.00	Rp 1,237,084,547,855.00	0.22
		2022	Rp 748,250,494,759.00	Rp 3,370,495,011,962.00	0.22
		2023	Rp 840,910,489,431.00	Rp 4,576,848,746,878.00	0.18
14	SMMT	2019	Rp 6,234,017,119.00	Rp 871,513,339,763.00	0.01
		2020	-Rp 23,386,617,883.00	Rp 881,786,218,140.00	-0.03
		2021	Rp 258,001,970,758.00	Rp 1,051,640,434,770.00	0.25
		2022	Rp 463,165,596,772.00	Rp 1,182,852,785,319.00	0.39
		2023	Rp 280,054,340,392.00	Rp 1,007,863,610,940.00	0.28
15	SMRU	2019	-Rp 184,842,122,179.00	Rp 1,675,570,667,301.00	-0.11
		2020	-Rp 342,612,094,410.00	Rp 1,288,617,641,905.00	-0.27
		2021	-Rp 247,007,013,029.00	Rp 1,029,461,271,703.00	-0.24
		2022	-Rp 23,596,378,512.00	Rp 936,030,494,471.00	-0.03
		2023	-Rp 84,814,607,954.00	Rp 828,406,395,643.00	-0.10
16	SURE	2019	Rp 15,185,636,045.00	Rp 909,963,882,315.00	0.02
		2020	-Rp 30,573,374,510.00	Rp 1,093,996,495,741.00	-0.03
		2021	-Rp 76,050,295,479.00	Rp 997,439,630,855.00	-0.08
		2022	-Rp 99,499,700,780.00	Rp 961,382,427,552.00	-0.10
		2023	Rp 171,628,917,855.00	Rp 983,779,522,672.00	0.17
17	TCPI	2019	Rp 269,950,000,000.00	Rp 3,077,535,000,000.00	0.09
		2020	Rp 57,886,000,000.00	Rp 2,752,211,000,000.00	0.02
		2021	Rp 110,292,000,000.00	Rp 2,847,296,000,000.00	0.04
		2022	Rp 144,097,000,000.00	Rp 2,809,869,000,000.00	0.05
		2023	Rp 218,100,000,000.00	Rp 3,509,253,000,000.00	0.06
18	TEBE	2019	Rp 63,678,070,000.00	Rp 898,913,890,000.00	0.07
		2020	-Rp 2,066,794,000.00	Rp 834,038,915,000.00	0.00
		2021	Rp 202,891,081,000.00	Rp 989,060,914,000.00	0.21
		2022	Rp 423,102,362,000.00	Rp 1,302,505,388,000.00	0.32
		2023	Rp 297,964,736,000.00	Rp 1,150,900,654,000.00	0.26
19	UNIQ	2019	Rp 19,530,344,832.00	Rp 580,579,119,615.00	0.03
		2020	Rp 2,931,318,953.00	Rp 539,154,214,761.00	0.01
		2021	-Rp 13,397,171,086.00	Rp 516,019,518,477.00	-0.03
		2022	Rp 40,061,339,990.00	Rp 581,518,014,122.00	0.07
		2023	Rp 51,520,613,396.00	Rp 726,265,910,969.00	0.07
20	WOWS	2019	Rp 23,940,538,826.00	Rp 808,300,723,068.00	0.03
		2020	Rp 2,454,652,364.00	Rp 765,277,957,352.00	0.00
		2021	-Rp 33,989,689,052.00	Rp 714,710,154,018.00	-0.05
		2022	-Rp 27,927,084,305.00	Rp 679,232,519,898.00	-0.04
		2023	Rp 10,321,785,607.00	Rp 666,222,140,701.00	0.02
21	BYAN	2019	Rp 4,395,475,843,850.00	Rp 18,026,755,934,915.00	0.24
		2020	Rp 6,017,695,800,935.00	Rp 22,846,221,435,310.00	0.26
		2021	Rp 25,603,362,519,671.00	Rp 38,284,726,476,621.00	0.67
		2022	Rp 46,332,672,569,591.00	Rp 62,066,013,405,315.00	0.75
		2023	Rp 25,173,842,334,336.00	Rp 53,097,634,283,456.00	0.47
22	DEWA	2019	Rp 56,527,014,635.00	Rp 7,750,959,810,685.00	0.01
		2020	Rp 3,248,113,505.00	Rp 7,766,771,050,220.00	0.00
		2021	Rp 151,384,148,031.00	Rp 8,864,364,983,138.00	0.02
		2022	-Rp 263,528,134,574.00	Rp 8,620,136,127,025.00	-0.03
		2023	Rp 32,536,473,000.00	Rp 8,137,619,055,000.00	0.00

NO	KODE	TAHUN	EBIT	TOTAL ASET	EBIT/TA
23	DOID	2019	Rp 491,949,605,875.00	Rp 16,670,857,349,055.00	0.03
		2020	-Rp 343,632,836,820.00	Rp 13,744,613,766,065.00	-0.03
		2021	Rp 126,135,216,598.00	Rp 25,735,260,127,417.00	0.00
		2022	Rp 635,887,354,284.00	Rp 24,714,775,999,517.00	0.03
		2023	Rp 930,797,391,728.00	Rp 28,898,824,412,064.00	0.03
24	DSSA	2019	Rp 1,875,849,945,515.00	Rp 52,456,115,067,720.00	0.04
		2020	-Rp 76,426,630,735.00	Rp 40,907,752,923,310.00	0.00
		2021	Rp 5,967,948,612,661.00	Rp 47,351,453,580,776.00	0.13
		2022	Rp 25,259,513,881,203.00	Rp 101,168,891,290,058.00	0.25
		2023	Rp 18,207,370,279,376.00	Rp 47,223,416,830,072.00	0.39
25	GEMS	2019	Rp 1,415,297,956,800.00	Rp 11,011,014,185,535.00	0.13
		2020	Rp 1,793,205,985,935.00	Rp 11,477,489,075,325.00	0.16
		2021	Rp 7,249,485,885,443.00	Rp 13,041,422,745,947.00	0.56
		2022	Rp 14,137,334,926,624.00	Rp 17,761,664,513,724.00	0.80
		2023	Rp 10,528,834,710,600.00	Rp 20,226,443,248,920.00	0.52
26	GTBO	2019	-Rp 56,919,627,310.00	Rp 776,489,051,520.00	-0.07
		2020	-Rp 17,400,266,520.00	Rp 791,148,843,485.00	-0.02
		2021	-Rp 3,367,739,673.00	Rp 897,998,786,460.00	0.00
		2022	Rp 120,308,564,315.00	Rp 971,207,179,406.00	0.12
		2023	Rp 84,566,117,512.00	Rp 1,022,135,388,056.00	0.08
27	HITS	2019	Rp 210,653,717,820.00	Rp 2,875,272,908,690.00	0.07
		2020	Rp 125,351,953,090.00	Rp 3,145,076,592,840.00	0.04
		2021	-Rp 180,088,613,848.00	Rp 3,517,185,447,211.00	-0.05
		2022	Rp 207,970,348,365.00	Rp 3,616,877,796,669.00	0.06
		2023	Rp 171,776,032,776.00	Rp 4,190,383,348,064.00	0.04
28	HRUM	2019	Rp 361,481,458,975.00	Rp 6,304,962,561,170.00	0.06
		2020	Rp 905,137,554,685.00	Rp 7,034,194,756,680.00	0.13
		2021	Rp 2,006,801,577,777.00	Rp 13,759,238,422,442.00	0.15
		2022	Rp 7,512,294,908,814.00	Rp 20,116,894,920,736.00	0.37
		2023	Rp 4,054,414,983,448.00	Rp 25,175,980,471,872.00	0.16
29	INDY	2019	Rp 763,569,929,395.00	Rp 51,005,980,031,825.00	0.01
		2020	-Rp 1,398,894,208,530.00	Rp 49,278,678,797,985.00	-0.03
		2021	Rp 7,898,652,815,073.00	Rp 58,070,626,275,831.00	0.14
		2022	Rp 15,893,614,933,668.00	Rp 56,535,201,092,702.00	0.28
		2023	Rp 3,675,646,653,744.00	Rp 47,991,586,444,240.00	0.08
30	KKGI	2019	Rp 113,256,238,550.00	Rp 1,782,230,744,385.00	0.06
		2020	-Rp 131,946,943,310.00	Rp 1,533,048,231,715.00	-0.09
		2021	Rp 534,195,154,258.00	Rp 2,079,359,871,417.00	0.26
		2022	Rp 913,323,250,227.00	Rp 2,677,175,358,390.00	0.34
		2023	Rp 603,124,977,792.00	Rp 3,091,471,608,960.00	0.20
31	LEAD	2019	-Rp 116,449,413,080.00	Rp 2,128,970,531,870.00	-0.05
		2020	-Rp 33,829,065,270.00	Rp 1,992,248,820,380.00	-0.02
		2021	-Rp 32,254,354,739.00	Rp 2,149,282,341,621.00	-0.02
		2022	-Rp 88,866,117,948.00	Rp 2,104,189,036,846.00	-0.04
		2023	-Rp 77,808,205,592.00	Rp 1,996,717,642,136.00	-0.04
32	MBAP	2019	Rp 683,227,355,720.00	Rp 2,715,597,411,345.00	0.25
		2020	Rp 527,154,515,160.00	Rp 2,566,730,603,710.00	0.21
		2021	Rp 2,009,759,045,928.00	Rp 4,018,377,084,888.00	0.50
		2022	Rp 3,596,374,724,592.00	Rp 4,779,692,845,432.00	0.75
		2023	Rp 474,505,962,238.00	Rp 3,543,260,535,350.00	0.13
33	MBSS	2019	Rp 25,504,209,640.00	Rp 3,076,800,240,150.00	0.01
		2020	-Rp 211,235,831,170.00	Rp 2,748,487,041,300.00	-0.08
		2021	Rp 191,005,959,310.00	Rp 2,794,440,446,135.00	0.07
		2022	Rp 438,339,705,817.00	Rp 3,319,144,600,432.00	0.13
		2023	Rp 379,831,941,208.00	Rp 3,808,801,999,176.00	0.10



## LAMPIRAN 5

## DATA PERHITUNGAN BOOK VALUE OF EQUITY TO TOTAL LIABILITIES

NO	KODE	TAHUN	BOOK VALUE OF EQUITY	TOTAL LIABILITIES	BVE/TL
1	AKRA	2019	Rp 10,066,861,340,000.00	Rp 11,342,184,833,000.00	0.89
		2020	Rp 10,556,356,272,000.00	Rp 8,127,216,543,000.00	1.3
		2021	Rp 11,298,965,113,000.00	Rp 12,209,620,623,000.00	0.93
		2022	Rp 13,154,810,775,000.00	Rp 14,032,797,261,000.00	0.94
		2023	Rp 14,042,957,513,000.00	Rp 16,211,665,604,000.00	0.87
2	ANTM	2019	Rp 18,133,419,175,000.00	Rp 12,061,488,555,000.00	1.5
		2020	Rp 19,039,449,025,000.00	Rp 12,690,063,970,000.00	1.5
		2021	Rp 20,837,098,000,000.00	Rp 12,079,056,000,000.00	1.73
		2022	Rp 23,712,060,000,000.00	Rp 9,925,211,000,000.00	2.39
		2023	Rp 31,165,670,000,000.00	Rp 11,685,659,000,000.00	2.67
3	ARII	2019	Rp 649,648,090,000.00	Rp 4,483,894,870,000.00	0.14
		2020	Rp 397,958,470,000.00	Rp 4,691,153,740,000.00	0.08
		2021	Rp 614,814,673,000.00	Rp 5,197,317,897,000.00	0.12
		2022	Rp 1,104,835,323,000.00	Rp 5,954,057,652,000.00	0.19
		2023	Rp 1,095,353,048,000.00	Rp 7,040,440,952,000.00	0.16
4	BESS	2019	Rp 199,358,310,381.00	Rp 369,620,928,732.00	0.54
		2020	Rp 316,895,998,461.00	Rp 303,511,534,873.00	1.04
		2021	Rp 431,191,326,623.00	Rp 236,216,688,731.00	1.83
		2022	Rp 492,352,056,536.00	Rp 280,314,393,366.00	1.76
		2023	Rp 572,538,209,106.00	Rp 117,265,164,483.00	4.88
5	BSSR	2019	Rp 2,402,330,566,090.00	Rp 1,133,515,291,090.00	2.12
		2020	Rp 2,685,254,114,725.00	Rp 1,029,209,732,915.00	2.61
		2021	Rp 3,973,850,273,583.00	Rp 2,874,127,525,583.00	1.38
		2022	Rp 3,468,335,862,794.00	Rp 2,900,063,351,131.00	1.2
		2023	Rp 3,738,125,019,360.00	Rp 2,558,610,678,008.00	1.46
6	ELSA	2019	Rp 3,576,698,000,000.00	Rp 3,228,339,000,000.00	1.11
		2020	Rp 3,740,946,000,000.00	Rp 3,821,876,000,000.00	0.98
		2021	Rp 3,778,134,000,000.00	Rp 3,456,723,000,000.00	1.09
		2022	Rp 4,117,211,000,000.00	Rp 4,718,878,000,000.00	0.87
		2023	Rp 4,416,068,000,000.00	Rp 5,185,414,000,000.00	0.85
7	INPS	2019	Rp 140,907,844,369.00	Rp 337,880,342,146.00	0.42
		2020	Rp 123,348,926,996.00	Rp 330,546,316,885.00	0.37
		2021	Rp 93,728,111,659.00	Rp 321,775,691,609.00	0.29
		2022	Rp 19,348,781,292.00	Rp 291,142,538,383.00	0.07
		2023	Rp 20,897,336,277.00	Rp 272,388,707,110.00	0.08
8	KOPI	2019	Rp 86,632,001,447.00	Rp 62,163,489,780.00	1.39
		2020	Rp 87,365,054,062.00	Rp 98,039,065,745.00	0.89
		2021	Rp 89,630,955,007.00	Rp 49,549,776,710.00	1.81
		2022	Rp 97,878,113,372.00	Rp 159,714,360,685.00	0.61
		2023	Rp 100,433,349,874.00	Rp 244,807,247,098.00	0.41
9	MITI	2019	-Rp 11,638,100,033.00	Rp 68,801,967,457.00	-0.17
		2020	-Rp 8,982,366,108.00	Rp 36,588,443,043.00	-0.25
		2021	Rp 57,012,055,057.00	Rp 21,079,626,913.00	2.7
		2022	Rp 393,997,822,554.00	Rp 81,035,237,770.00	4.86
		2023	Rp 435,796,067,440.00	Rp 59,091,926,505.00	7.37
10	PKPK	2019	Rp 14,328,227,000.00	Rp 57,327,332,000.00	0.25
		2020	Rp 40,391,503,000.00	Rp 28,264,221,000.00	1.43
		2021	Rp 40,012,006,000.00	Rp 24,585,178,000.00	1.63
		2022	Rp 10,651,480,000.00	Rp 60,980,287,000.00	0.17
		2023	Rp 243,361,929,000.00	Rp 7,838,409,000.00	31.05
11	PTBA	2019	Rp 18,422,826,000,000.00	Rp 7,675,226,000,000.00	2.4
		2020	Rp 16,939,196,000,000.00	Rp 7,117,559,000,000.00	2.38
		2021	Rp 24,253,724,000,000.00	Rp 11,869,979,000,000.00	2.04
		2022	Rp 28,916,046,000,000.00	Rp 16,443,161,000,000.00	1.76
		2023	Rp 21,563,196,000,000.00	Rp 17,201,993,000,000.00	1.25

NO	KODE	TAHUN	BOOK VALUE OF EQUITY	TOTAL LIABILITIES	BVE/TL
12	RUIS	2019	Rp 433,002,009,239.00	Rp 818,355,397,777.00	0.53
		2020	Rp 456,448,592,739.00	Rp 888,702,914,518.00	0.51
		2021	Rp 487,172,457,446.00	Rp 809,598,198,146.00	0.6
		2022	Rp 523,113,833,974.00	Rp 744,435,466,164.00	0.7
		2023	Rp 549,475,940,532.00	Rp 792,253,377,478.00	0.69
13	SGER	2019	Rp 157,564,422,127.00	Rp 480,533,417,770.00	0.33
		2020	Rp 235,692,505,020.00	Rp 450,307,372,275.00	0.52
		2021	Rp 434,182,013,309.00	Rp 802,902,534,546.00	0.54
		2022	Rp 1,012,132,881,917.00	Rp 2,358,362,130,045.00	0.43
		2023	Rp 1,481,767,794,177.00	Rp 3,095,080,952,701.00	0.48
14	SMMT	2019	Rp 584,445,919,301.00	Rp 287,067,420,462.00	2.04
		2020	Rp 564,557,831,801.00	Rp 317,228,386,339.00	1.78
		2021	Rp 817,847,583,715.00	Rp 233,792,851,055.00	3.5
		2022	Rp 1,016,896,178,133.00	Rp 165,956,607,186.00	6.13
		2023	Rp 799,523,779,947.00	Rp 208,339,830,993.00	3.84
15	SMRU	2019	Rp 773,800,538,042.00	Rp 901,770,129,259.00	0.86
		2020	Rp 447,211,599,939.00	Rp 841,406,041,966.00	0.53
		2021	Rp 211,965,127,668.00	Rp 817,496,144,035.00	0.26
		2022	Rp 195,150,556,330.00	Rp 740,879,938,141.00	0.26
		2023	Rp 111,358,275,632.00	Rp 717,048,120,011.00	0.16
16	SURE	2019	Rp 123,672,916,645.00	Rp 786,290,965,670.00	0.16
		2020	Rp 604,315,136,804.00	Rp 489,681,358,937.00	1.23
		2021	Rp 534,788,739,376.00	Rp 462,650,891,479.00	1.16
		2022	Rp 453,034,199,040.00	Rp 508,348,228,512.00	0.89
		2023	Rp 463,471,811,949.00	Rp 520,307,710,723.00	0.89
17	TCPI	2019	Rp 1,438,916,000,000.00	Rp 1,638,619,000,000.00	0.88
		2020	Rp 1,431,558,000,000.00	Rp 1,320,653,000,000.00	1.08
		2021	Rp 1,540,273,000,000.00	Rp 1,307,023,000,000.00	1.18
		2022	Rp 1,648,024,000,000.00	Rp 1,161,845,000,000.00	1.42
		2023	Rp 2,095,940,000,000.00	Rp 1,413,313,000,000.00	1.48
18	TEBE	2019	Rp 659,578,434,000.00	Rp 239,335,456,000.00	2.76
		2020	Rp 655,378,970,000.00	Rp 178,659,945,000.00	3.67
		2021	Rp 813,864,394,000.00	Rp 175,196,520,000.00	4.65
		2022	Rp 1,054,312,117,000.00	Rp 248,193,271,000.00	4.25
		2023	Rp 1,087,089,561,000.00	Rp 63,811,093,000.00	17.04
19	UNIQ	2019	Rp 278,496,219,658.00	Rp 302,082,899,957.00	0.92
		2020	Rp 275,390,562,940.00	Rp 263,763,651,821.00	1.04
		2021	Rp 337,044,797,269.00	Rp 178,974,721,208.00	1.88
		2022	Rp 359,080,990,886.00	Rp 222,437,023,236.00	1.61
		2023	Rp 389,906,447,294.00	Rp 336,359,463,675.00	1.16
20	WOWS	2019	Rp 591,701,642,845.00	Rp 216,599,080,223.00	2.73
		2020	Rp 593,956,947,860.00	Rp 171,321,009,492.00	3.47
		2021	Rp 560,380,777,183.00	Rp 154,329,376,835.00	3.63
		2022	Rp 532,825,543,824.00	Rp 146,406,976,074.00	3.64
		2023	Rp 522,951,177,097.00	Rp 143,270,963,604.00	3.65
21	BYAN	2019	Rp 8,732,125,699,115.00	Rp 9,294,630,235,800.00	0.94
		2020	Rp 12,152,215,982,270.00	Rp 10,694,005,453,040.00	1.14
		2021	Rp 29,305,380,169,394.00	Rp 8,979,346,307,227.00	3.26
		2022	Rp 31,387,915,594,857.00	Rp 30,678,097,810,458.00	1.02
		2023	Rp 30,505,461,402,032.00	Rp 22,592,172,881,424.00	1.35
22	DEWA	2019	Rp 3,304,280,094,570.00	Rp 4,446,679,716,115.00	0.74
		2020	Rp 3,799,890,921,190.00	Rp 3,966,880,129,030.00	0.96
		2021	Rp 4,260,784,028,203.00	Rp 4,603,580,954,935.00	0.93
		2022	Rp 3,997,376,802,095.00	Rp 4,622,759,324,930.00	0.86
		2023	Rp 3,289,314,890,000.00	Rp 4,848,304,165,000.00	0.68

NO	KODE	TAHUN	BOOK VALUE OF EQUITY	TOTAL LIABILITIES	BVE/TL
23	DOID	2019	Rp 3,957,453,658,795.00	Rp 12,713,403,690,260.00	0.31
		2020	Rp 3,719,931,664,995.00	Rp 10,024,682,101,070.00	0.37
		2021	Rp 4,179,037,509,159.00	Rp 21,556,222,618,258.00	0.19
		2022	Rp 4,030,726,301,861.00	Rp 20,684,049,697,656.00	0.19
		2023	Rp 4,202,477,693,376.00	Rp 24,696,346,718,688.00	0.17
24	DSSA	2019	Rp 23,105,522,959,610.00	Rp 29,350,592,108,110.00	0.79
		2020	Rp 22,411,580,091,810.00	Rp 18,496,172,831,500.00	1.21
		2021	Rp 27,532,541,853,329.00	Rp 19,818,911,727,447.00	1.39
		2022	Rp 47,066,900,115,228.00	Rp 54,101,991,174,830.00	0.87
		2023	Rp 26,528,086,907,376.00	Rp 20,695,329,922,696.00	1.28
25	GEMS	2019	Rp 5,053,356,176,050.00	Rp 5,957,658,009,485.00	0.85
		2020	Rp 4,928,774,243,120.00	Rp 6,548,714,832,205.00	0.75
		2021	Rp 4,976,093,520,433.00	Rp 8,065,329,225,514.00	0.62
		2022	Rp 8,781,746,416,109.00	Rp 8,979,918,097,615.00	0.98
		2023	Rp 10,222,535,933,192.00	Rp 10,003,907,315,728.00	1.02
26	GTBO	2019	Rp 599,977,614,600.00	Rp 176,511,436,920.00	3.4
		2020	Rp 589,338,777,300.00	Rp 201,810,066,185.00	2.92
		2021	Rp 647,816,218,777.00	Rp 250,182,567,683.00	2.59
		2022	Rp 738,083,355,316.00	Rp 233,123,824,090.00	3.17
		2023	Rp 766,190,800,992.00	Rp 255,944,587,064.00	2.99
27	HITS	2019	Rp 887,729,332,945.00	Rp 1,987,543,575,745.00	0.45
		2020	Rp 959,282,643,865.00	Rp 2,185,793,948,975.00	0.44
		2021	Rp 999,394,582,984.00	Rp 2,517,790,864,227.00	0.4
		2022	Rp 1,255,078,658,911.00	Rp 2,361,799,137,758.00	0.53
		2023	Rp 1,661,744,349,344.00	Rp 2,528,638,998,720.00	0.66
28	HRUM	2019	Rp 5,636,125,450,865.00	Rp 668,837,110,305.00	8.43
		2020	Rp 6,414,906,296,890.00	Rp 619,288,459,790.00	10.36
		2021	Rp 10,248,308,910,773.00	Rp 3,510,929,511,669.00	2.92
		2022	Rp 15,609,438,776,155.00	Rp 4,507,456,144,581.00	3.46
		2023	Rp 18,109,490,457,200.00	Rp 7,066,490,014,672.00	2.56
29	INDY	2019	Rp 14,750,645,344,890.00	Rp 36,255,334,686,935.00	0.41
		2020	Rp 12,233,229,742,370.00	Rp 37,045,449,055,615.00	0.33
		2021	Rp 13,901,699,664,115.00	Rp 44,168,926,611,716.00	0.31
		2022	Rp 21,082,276,611,953.00	Rp 35,452,924,480,749.00	0.59
		2023	Rp 21,229,950,929,200.00	Rp 26,761,635,515,040.00	0.79
30	KKGI	2019	Rp 1,317,168,258,770.00	Rp 465,062,485,615.00	2.83
		2020	Rp 1,188,354,092,380.00	Rp 344,694,139,335.00	3.45
		2021	Rp 1,556,120,839,536.00	Rp 523,239,031,881.00	2.97
		2022	Rp 1,933,955,674,264.00	Rp 743,219,684,126.00	2.6
		2023	Rp 2,148,075,568,312.00	Rp 943,396,040,648.00	2.28
31	LEAD	2019	Rp 571,569,876,605.00	Rp 1,557,400,655,265.00	0.37
		2020	Rp 532,944,716,395.00	Rp 1,459,304,103,985.00	0.37
		2021	Rp 553,652,560,731.00	Rp 1,595,629,780,890.00	0.35
		2022	Rp 458,579,871,119.00	Rp 1,645,609,165,727.00	0.28
		2023	Rp 367,215,301,816.00	Rp 1,629,502,340,320.00	0.23
32	MBAP	2019	Rp 2,054,257,700,950.00	Rp 661,339,710,395.00	3.11
		2020	Rp 1,949,595,582,480.00	Rp 617,135,021,230.00	3.16
		2021	Rp 3,118,145,242,312.00	Rp 900,231,842,576.00	3.46
		2022	Rp 3,902,143,729,920.00	Rp 877,549,115,512.00	4.45
		2023	Rp 2,667,670,797,883.00	Rp 875,589,737,467.00	3.05
33	MBSS	2019	Rp 2,424,378,951,995.00	Rp 652,421,288,155.00	3.72
		2020	Rp 2,211,738,262,825.00	Rp 536,748,778,475.00	4.12
		2021	Rp 2,660,221,981,035.00	Rp 134,218,465,100.00	19.82
		2022	Rp 2,927,674,842,799.00	Rp 391,469,757,633.00	7.48
		2023	Rp 3,249,920,740,976.00	Rp 558,881,258,200.00	5.82

## LAMPIRAN 6

## DATA PERHITUNGAN NET PROFIT BEFORE TAXES TO CURRENT LIABILITIES

NO	KODE	TAHUN	Net profit before taxes	Current Liabilities	EBT/CL
1	AKRA	2019	Rp 899,083,233,000.00	Rp 8,712,526,231,000.00	0.10
		2020	Rp 1,226,718,840,000.00	Rp 5,102,110,055,000.00	0.24
		2021	Rp 1,436,743,040,000.00	Rp 9,306,841,393,000.00	0.15
		2022	Rp 3,085,916,786,000.00	Rp 11,280,491,593,000.00	0.27
		2023	Rp 3,687,471,936,000.00	Rp 12,533,377,808,000.00	0.29
2	ANTM	2019	Rp 687,034,053,000.00	Rp 5,293,238,393,000.00	0.13
		2020	Rp 1,641,178,012,000.00	Rp 7,553,261,301,000.00	0.22
		2021	Rp 3,043,509,000,000.00	Rp 6,562,383,000,000.00	0.46
		2022	Rp 5,214,771,000,000.00	Rp 5,971,662,000,000.00	0.87
		2023	Rp 3,854,481,000,000.00	Rp 8,576,440,000,000.00	0.45
2	ARII	2019	-Rp 80,342,080,000.00	Rp 3,672,716,320,000.00	-0.02
		2020	-Rp 252,733,390,000.00	Rp 4,035,341,765,000.00	-0.06
		2021	Rp 84,711,435,000.00	Rp 2,663,620,113,000.00	0.03
		2022	Rp 563,657,461,000.00	Rp 3,159,083,689,000.00	0.18
		2023	Rp 49,500,776,000.00	Rp 4,698,411,400,000.00	0.01
3	BESS	2019	Rp 13,038,181,894.00	Rp 92,129,728,055.00	0.14
		2020	Rp 54,741,228,792.00	Rp 105,590,771,015.00	0.52
		2021	Rp 115,531,892,914.00	Rp 110,883,887,168.00	1.04
		2022	Rp 58,751,082,752.00	Rp 181,429,256,697.00	0.32
		2023	Rp 81,094,051,677.00	Rp 74,520,364,386.00	1.09
5	BSSR	2019	Rp 582,763,999,545.00	Rp 906,452,916,460.00	0.64
		2020	Rp 576,034,278,365.00	Rp 858,343,511,935.00	0.67
		2021	Rp 4,156,263,252,798.00	Rp 2,669,342,531,677.00	1.56
		2022	Rp 4,857,436,663,925.00	Rp 2,693,918,396,544.00	1.80
		2023	Rp 3,400,614,730,864.00	Rp 2,367,719,252,296.00	1.44
6	ELSA	2019	Rp 494,579,000,000.00	Rp 2,504,335,000,000.00	0.20
		2020	Rp 381,009,000,000.00	Rp 2,573,467,000,000.00	0.15
		2021	Rp 230,752,000,000.00	Rp 2,561,234,000,000.00	0.09
		2022	Rp 486,887,000,000.00	Rp 3,531,761,000,000.00	0.14
		2023	Rp 646,611,000,000.00	Rp 4,234,123,000,000.00	0.15
7	INPS	2019	-Rp 1,292,554,812.00	Rp 203,306,140,876.00	-0.01
		2020	-Rp 13,803,451,368.00	Rp 195,683,515,705.00	-0.07
		2021	-Rp 28,034,219,787.00	Rp 295,685,032,740.00	-0.09
		2022	-Rp 74,480,198,387.00	Rp 244,381,734,232.00	-0.30
		2023	-Rp 3,173,846,707.00	Rp 232,780,615,747.00	-0.01
8	KOPI	2019	Rp 11,760,253,041.00	Rp 55,776,736,715.00	0.21
		2020	Rp 4,106,440,714.00	Rp 87,767,592,238.00	0.05
		2021	Rp 4,438,038,016.00	Rp 43,021,745,967.00	0.10
		2022	Rp 11,222,359,561.00	Rp 62,933,439,049.00	0.18
		2023	Rp 7,010,601,071.00	Rp 107,030,694,400.00	0.07
9	MITI	2019	-Rp 87,934,380,048.00	Rp 43,307,998,193.00	-2.03
		2020	-Rp 3,234,723,552.00	Rp 36,588,443,043.00	-0.09
		2021	Rp 5,708,851,211.00	Rp 20,515,221,523.00	0.28
		2022	Rp 18,848,484,833.00	Rp 68,244,336,694.00	0.28
		2023	Rp 58,396,574,397.00	Rp 47,505,697,907.00	1.23
10	PKPK	2019	-Rp 9,492,894,000.00	Rp 87,477,000.00	-108.52
		2020	Rp 172,167,000.00	Rp 1,750,793,000.00	0.10
		2021	-Rp 1,392,533,000.00	Rp 466,098,000.00	-2.99
		2022	-Rp 13,154,136,000.00	Rp 38,081,311,000.00	-0.35
		2023	-Rp 6,112,692,000.00	Rp 6,090,086,000.00	-1.00
11	PTBA	2019	Rp 5,455,162,000,000.00	Rp 4,691,251,000,000.00	1.16
		2020	Rp 3,231,685,000,000.00	Rp 3,872,457,000,000.00	0.83
		2021	Rp 10,358,675,000,000.00	Rp 7,500,647,000,000.00	1.38
		2022	Rp 16,202,314,000,000.00	Rp 10,701,780,000,000.00	1.51
		2023	Rp 8,154,313,000,000.00	Rp 9,968,101,000,000.00	0.82

NO	KODE	TAHUN	Net profit before taxes	Current Liabilities	EBT/CL
12	RUIS	2019	Rp 50,653,045,141.00	Rp 591,403,183,354.00	0.09
		2020	Rp 48,080,574,358.00	Rp 620,170,304,014.00	0.08
		2021	Rp 32,388,518,368.00	Rp 614,886,507,245.00	0.05
		2022	Rp 38,796,496,871.00	Rp 566,119,922,178.00	0.07
		2023	Rp 31,703,255,835.00	Rp 617,852,302,675.00	0.05
13	SGER	2019	Rp 27,730,565,179.00	Rp 468,809,364,197.00	0.06
		2020	Rp 40,597,365,323.00	Rp 438,247,567,095.00	0.09
		2021	Rp 270,778,171,010.00	Rp 792,866,256,293.00	0.34
		2022	Rp 748,250,494,759.00	Rp 2,344,203,788,141.00	0.32
		2023	Rp 840,910,489,431.00	Rp 2,967,417,034,393.00	0.28
14	SMMT	2019	Rp 6,234,017,119.00	Rp 139,763,286,351.00	0.04
		2020	-Rp 23,386,617,883.00	Rp 160,127,033,037.00	-0.15
		2021	Rp 258,001,970,758.00	Rp 111,872,346,585.00	2.31
		2022	Rp 463,165,596,772.00	Rp 159,985,988,549.00	2.90
		2023	Rp 280,054,340,392.00	Rp 175,199,888,029.00	1.60
15	SMRU	2019	-Rp 184,842,122,179.00	Rp 233,400,194,285.00	-0.79
		2020	-Rp 342,612,094,410.00	Rp 327,120,710,729.00	-1.05
		2021	-Rp 247,007,013,029.00	Rp 710,531,093,707.00	-0.35
		2022	-Rp 23,596,378,512.00	Rp 661,317,957,927.00	-0.04
		2023	-Rp 84,814,607,954.00	Rp 662,681,316,371.00	-0.13
16	SURE	2019	Rp 15,185,636,045.00	Rp 701,238,614,733.00	0.02
		2020	-Rp 30,573,374,510.00	Rp 76,899,627,855.00	-0.40
		2021	-Rp 76,050,295,479.00	Rp 58,478,126,139.00	-1.30
		2022	-Rp 99,499,700,780.00	Rp 80,241,436,430.00	-1.24
		2023	Rp 171,628,917,855.00	Rp 95,963,679,228.00	1.79
17	TCPI	2019	Rp 269,950,000,000.00	Rp 976,285,000,000.00	0.28
		2020	Rp 57,886,000,000.00	Rp 936,229,000,000.00	0.06
		2021	Rp 110,292,000,000.00	Rp 954,930,000,000.00	0.12
		2022	Rp 144,097,000,000.00	Rp 859,876,000,000.00	0.17
		2023	Rp 218,100,000,000.00	Rp 889,080,000,000.00	0.25
18	TEBE	2019	Rp 63,678,070,000.00	Rp 120,301,292,000.00	0.53
		2020	-Rp 2,066,794,000.00	Rp 78,671,662,000.00	-0.03
		2021	Rp 202,891,081,000.00	Rp 116,195,378,000.00	1.75
		2022	Rp 423,102,362,000.00	Rp 235,004,804,000.00	1.80
		2023	Rp 297,964,736,000.00	Rp 47,641,053,000.00	6.25
19	UNIQ	2019	Rp 19,530,344,832.00	Rp 212,199,860,559.00	0.09
		2020	Rp 2,931,318,953.00	Rp 209,753,907,011.00	0.01
		2021	-Rp 13,397,171,086.00	Rp 154,573,090,834.00	-0.09
		2022	Rp 40,061,339,990.00	Rp 161,699,220,994.00	0.25
		2023	Rp 51,520,613,396.00	Rp 235,683,736,954.00	0.22
20	WOWS	2019	Rp 23,940,538,826.00	Rp 164,587,029,014.00	0.15
		2020	Rp 2,454,652,364.00	Rp 111,571,386,583.00	0.02
		2021	-Rp 33,989,689,052.00	Rp 68,972,744,633.00	-0.49
		2022	-Rp 27,927,084,305.00	Rp 132,566,823,714.00	-0.21
		2023	Rp 10,321,785,607.00	Rp 99,115,336,099.00	0.10
21	BYAN	2019	Rp 4,395,475,843,850.00	Rp 8,194,117,555,715.00	0.54
		2020	Rp 6,017,695,800,935.00	Rp 3,338,589,463,300.00	1.80
		2021	Rp 25,603,362,519,671.00	Rp 7,125,856,695,800.00	3.59
		2022	Rp 46,332,672,569,591.00	Rp 28,811,650,951,875.00	1.61
		2023	Rp 25,173,842,334,336.00	Rp 20,635,829,327,056.00	1.22
22	DEWA	2019	Rp 56,527,014,635.00	Rp 2,779,234,305,120.00	0.02
		2020	Rp 3,248,113,505.00	Rp 2,790,616,687,495.00	0.00
		2021	Rp 151,384,148,031.00	Rp 3,155,160,298,945.00	0.05
		2022	-Rp 263,528,134,574.00	Rp 3,630,042,048,054.00	-0.07
		2023	Rp 32,536,473,000.00	Rp 4,192,286,412,000.00	0.01

NO	KODE	TAHUN	Net profit before taxes	Current Liabilities	EBT/CL
23	DOID	2019	Rp 491,949,605,875.00	Rp 3,629,913,780,675.00	0.14
		2020	-Rp 343,632,836,820.00	Rp 3,108,010,768,590.00	-0.11
		2021	Rp 126,135,216,598.00	Rp 7,457,676,924,007.00	0.02
		2022	Rp 635,887,354,284.00	Rp 6,598,576,385,750.00	0.10
		2023	Rp 930,797,391,728.00	Rp 8,143,986,339,888.00	0.11
24	DSSA	2019	Rp 1,875,849,945,515.00	Rp 9,413,504,495,850.00	0.20
		2020	-Rp 76,426,630,735.00	Rp 10,219,137,185,530.00	-0.01
		2021	Rp 5,967,948,612,661.00	Rp 10,588,097,441,065.00	0.56
		2022	Rp 25,259,513,881,203.00	Rp 26,230,471,897,300.00	0.96
		2023	Rp 18,207,370,279,376.00	Rp 12,728,480,545,000.00	1.43
25	GEMS	2019	Rp 1,415,297,956,800.00	Rp 3,921,157,135,350.00	0.36
		2020	Rp 1,793,205,985,935.00	Rp 4,663,439,333,280.00	0.38
		2021	Rp 7,249,485,885,443.00	Rp 6,689,160,879,483.00	1.08
		2022	Rp 14,137,334,926,624.00	Rp 7,444,837,391,924.00	1.90
		2023	Rp 10,528,834,710,600.00	Rp 9,486,661,174,096.00	1.11
26	GTBO	2019	-Rp 56,919,627,310.00	Rp 53,452,843,990.00	-1.06
		2020	-Rp 17,400,266,520.00	Rp 57,626,781,485.00	-0.30
		2021	-Rp 3,367,739,673.00	Rp 85,517,019,510.00	-0.04
		2022	Rp 120,308,564,315.00	Rp 76,446,603,565.00	1.57
		2023	Rp 84,566,117,512.00	Rp 223,474,714,144.00	0.38
27	HITS	2019	Rp 210,653,717,820.00	Rp 644,635,511,520.00	0.33
		2020	Rp 125,351,953,090.00	Rp 955,514,422,590.00	0.13
		2021	-Rp 180,088,613,848.00	Rp 821,343,086,443.00	-0.22
		2022	Rp 207,970,348,365.00	Rp 956,404,717,412.00	0.22
		2023	Rp 171,776,032,776.00	Rp 741,358,523,200.00	0.23
28	HRUM	2019	Rp 361,481,458,975.00	Rp 441,071,418,060.00	0.82
		2020	Rp 905,137,554,685.00	Rp 349,262,198,740.00	2.59
		2021	Rp 2,006,801,577,777.00	Rp 1,267,564,857,003.00	1.58
		2022	Rp 7,512,294,908,814.00	Rp 3,550,773,051,393.00	2.12
		2023	Rp 4,054,414,983,448.00	Rp 3,959,510,048,456.00	1.02
29	INDY	2019	Rp 763,569,929,395.00	Rp 10,034,454,073,280.00	0.08
		2020	-Rp 1,398,894,208,530.00	Rp 9,982,303,924,775.00	-0.14
		2021	Rp 7,898,652,815,073.00	Rp 17,866,701,847,976.00	0.44
		2022	Rp 15,893,614,933,668.00	Rp 18,545,693,856,939.00	0.86
		2023	Rp 3,675,646,653,744.00	Rp 15,146,063,635,512.00	0.24
30	KKGI	2019	Rp 113,256,238,550.00	Rp 254,360,401,750.00	0.45
		2020	-Rp 131,946,943,310.00	Rp 152,956,086,920.00	-0.86
		2021	Rp 534,195,154,258.00	Rp 326,556,745,724.00	1.64
		2022	Rp 913,323,250,227.00	Rp 567,351,540,268.00	1.61
		2023	Rp 603,124,977,792.00	Rp 754,054,801,648.00	0.80
31	LEAD	2019	-Rp 116,449,413,080.00	Rp 211,640,052,260.00	-0.55
		2020	-Rp 33,829,065,270.00	Rp 85,412,869,815.00	-0.40
		2021	-Rp 32,254,354,739.00	Rp 112,626,346,196.00	-0.29
		2022	-Rp 88,866,117,948.00	Rp 134,052,188,430.00	-0.66
		2023	-Rp 77,808,205,592.00	Rp 179,181,540,024.00	-0.43
32	MBAP	2019	Rp 683,227,355,720.00	Rp 517,018,422,375.00	1.32
		2020	Rp 527,154,515,160.00	Rp 473,368,003,290.00	1.11
		2021	Rp 2,009,759,045,928.00	Rp 821,395,618,952.00	2.45
		2022	Rp 3,596,374,724,592.00	Rp 763,489,191,792.00	4.71
		2023	Rp 474,505,962,238.00	Rp 779,625,375,338.00	0.61
33	MBSS	2019	Rp 25,504,209,640.00	Rp 220,350,806,585.00	0.12
		2020	-Rp 211,235,831,170.00	Rp 359,736,529,425.00	-0.59
		2021	Rp 191,005,959,310.00	Rp 94,245,600,825.00	2.03
		2022	Rp 438,339,705,817.00	Rp 249,548,844,348.00	1.76
		2023	Rp 379,831,941,208.00	Rp 192,370,097,600.00	1.97

## LAMPIRAN 7

## DATA PERHITUNGAN SALES TO TOTAL ASSET

NO	KODE	TAHUN	SALES	TOTAL ASET	SALES/TA
1	AKRA	2019	Rp 21,702,637,573,000.00	Rp 21,409,046,173,000.00	1.01
		2020	Rp 17,715,928,111,000.00	Rp 18,683,572,815,000.00	0.95
		2021	Rp 25,707,068,900,000.00	Rp 23,508,585,736,000.00	1.09
		2022	Rp 47,539,986,604,000.00	Rp 27,187,608,036,000.00	1.75
		2023	Rp 42,086,952,436,000.00	Rp 30,254,623,117,000.00	1.39
2	ANTM	2019	Rp 32,718,542,699,000.00	Rp 30,194,907,730,000.00	1.08
		2020	Rp 27,372,461,091,000.00	Rp 31,729,512,995,000.00	0.86
		2021	Rp 38,445,595,000,000.00	Rp 32,916,154,000,000.00	1.17
		2022	Rp 45,930,356,000,000.00	Rp 33,637,271,000,000.00	1.37
		2023	Rp 41,047,693,000,000.00	Rp 42,851,329,000,000.00	0.96
2	ARII	2019	Rp 885,836,315,000.00	Rp 5,133,542,960,000.00	0.17
		2020	Rp 594,666,800,000.00	Rp 5,089,112,210,000.00	0.12
		2021	Rp 1,814,476,464,000.00	Rp 5,812,132,570,000.00	0.31
		2022	Rp 3,869,527,111,000.00	Rp 7,058,892,975,000.00	0.55
		2023	Rp 4,325,868,344,000.00	Rp 8,135,794,000,000.00	0.53
3	BESS	2019	Rp 240,357,716,470.00	Rp 568,979,239,113.00	0.42
		2020	Rp 295,532,059,811.00	Rp 620,407,533,334.00	0.48
		2021	Rp 404,097,297,862.00	Rp 667,408,015,354.00	0.61
		2022	Rp 406,469,609,964.00	Rp 772,666,449,902.00	0.53
		2023	Rp 363,741,176,938.00	Rp 689,803,373,589.00	0.53
5	BSSR	2019	Rp 5,897,124,060,555.00	Rp 3,535,845,857,180.00	1.67
		2020	Rp 4,675,299,226,325.00	Rp 3,714,463,847,640.00	1.26
		2021	Rp 10,875,982,134,635.00	Rp 6,847,977,799,166.00	1.59
		2022	Rp 16,187,448,556,584.00	Rp 6,368,399,213,925.00	2.54
		2023	Rp 17,486,933,118,096.00	Rp 6,296,735,697,368.00	2.78
6	ELSA	2019	Rp 8,385,122,000,000.00	Rp 6,805,037,000,000.00	1.23
		2020	Rp 7,726,945,000,000.00	Rp 7,562,822,000,000.00	1.02
		2021	Rp 8,136,563,000,000.00	Rp 7,234,857,000,000.00	1.12
		2022	Rp 12,305,690,000,000.00	Rp 8,836,089,000,000.00	1.39
		2023	Rp 12,564,391,000,000.00	Rp 9,601,482,000,000.00	1.31
7	INPS	2019	Rp 404,550,079,953.00	Rp 478,788,186,515.00	0.84
		2020	Rp 255,667,054,258.00	Rp 453,895,243,881.00	0.56
		2021	Rp 276,523,184,119.00	Rp 415,503,803,268.00	0.67
		2022	Rp 281,984,072,223.00	Rp 310,491,319,675.00	0.91
		2023	Rp 277,802,896,905.00	Rp 293,286,043,387.00	0.95
8	KOPI	2019	Rp 187,979,951,916.00	Rp 148,795,491,227.00	1.26
		2020	Rp 198,215,179,551.00	Rp 185,404,119,807.00	1.07
		2021	Rp 188,475,526,582.00	Rp 139,180,731,717.00	1.35
		2022	Rp 184,206,031,069.00	Rp 257,592,474,057.00	0.72
		2023	Rp 181,084,153,506.00	Rp 345,240,596,972.00	0.52
9	MITI	2019	Rp -	Rp 57,163,867,424.00	0
		2020	Rp 36,451,716,625.00	Rp 27,606,076,935.00	1.32
		2021	Rp 20,465,291,631.00	Rp 78,091,681,970.00	0.26
		2022	Rp 121,886,168,697.00	Rp 475,033,060,324.00	0.26
		2023	Rp 306,995,042,342.00	Rp 494,887,993,945.00	0.62
10	PKPK	2019	Rp 13,253,947,000.00	Rp 71,655,559,000.00	0.18
		2020	Rp 17,334,744,000.00	Rp 68,655,724,000.00	0.25
		2021	Rp 3,078,120,000.00	Rp 64,597,184,000.00	0.05
		2022	Rp 26,565,778,000.00	Rp 71,631,767,000.00	0.37
		2023	Rp 57,813,090,000.00	Rp 251,200,338,000.00	0.23
11	PTBA	2019	Rp 21,787,564,000,000.00	Rp 26,098,052,000,000.00	0.83
		2020	Rp 17,325,192,000,000.00	Rp 24,056,755,000,000.00	0.72
		2021	Rp 29,261,468,000,000.00	Rp 36,123,703,000,000.00	0.81
		2022	Rp 42,648,590,000,000.00	Rp 45,359,207,000,000.00	0.94
		2023	Rp 38,488,867,000,000.00	Rp 38,765,189,000,000.00	0.99

NO	KODE	TAHUN	SALES	TOTAL ASET	SALES/TA
12	RUIS	2019	Rp 1,596,396,576,716.00	Rp 1,251,357,407,016.00	1.28
		2020	Rp 1,616,390,151,557.00	Rp 1,345,151,507,257.00	1.2
		2021	Rp 1,645,636,804,155.00	Rp 1,296,770,655,592.00	1.27
		2022	Rp 1,706,092,477,346.00	Rp 1,267,549,300,138.00	1.35
		2023	Rp 1,779,907,291,848.00	Rp 1,341,729,318,010.00	1.33
13	SGER	2019	Rp 1,275,398,652,566.00	Rp 638,097,839,897.00	2
		2020	Rp 2,035,076,870,827.00	Rp 685,999,877,295.00	2.97
		2021	Rp 3,924,499,699,655.00	Rp 1,237,084,547,855.00	3.17
		2022	Rp 10,448,875,185,271.00	Rp 3,370,495,011,962.00	3.1
		2023	Rp 12,312,861,734,739.00	Rp 4,576,848,746,878.00	2.69
14	SMMT	2019	Rp 250,264,866,368.00	Rp 871,513,339,763.00	0.29
		2020	Rp 209,445,719,950.00	Rp 881,786,218,140.00	0.24
		2021	Rp 508,273,589,516.00	Rp 1,051,640,434,770.00	0.48
		2022	Rp 1,049,271,370,556.00	Rp 1,182,852,785,319.00	0.89
		2023	Rp 1,016,267,098,417.00	Rp 1,007,863,610,940.00	1.01
15	SMRU	2019	Rp 699,201,691,680.00	Rp 1,675,570,667,301.00	0.42
		2020	Rp 492,381,856,241.00	Rp 1,288,617,641,905.00	0.38
		2021	Rp 541,885,165,917.00	Rp 1,029,461,271,703.00	0.53
		2022	Rp 497,238,211,771.00	Rp 936,030,494,471.00	0.53
		2023	Rp 321,538,806,499.00	Rp 828,406,395,643.00	0.39
16	SURE	2019	Rp 291,628,419,044.00	Rp 909,963,882,315.00	0.32
		2020	Rp 335,556,251,700.00	Rp 1,093,996,495,741.00	0.31
		2021	Rp 339,306,403,375.00	Rp 997,439,630,855.00	0.34
		2022	Rp 374,131,420,451.00	Rp 961,382,427,552.00	0.39
		2023	Rp 304,556,595,795.00	Rp 983,779,522,672.00	0.31
17	TCPI	2019	Rp 2,319,911,000,000.00	Rp 3,077,535,000,000.00	0.75
		2020	Rp 1,672,368,000,000.00	Rp 2,752,211,000,000.00	0.61
		2021	Rp 1,670,829,000,000.00	Rp 2,847,296,000,000.00	0.59
		2022	Rp 1,758,131,000,000.00	Rp 2,809,869,000,000.00	0.63
		2023	Rp 1,825,584,000,000.00	Rp 3,509,253,000,000.00	0.52
18	TEBE	2019	Rp 379,904,122,000.00	Rp 898,913,890,000.00	0.42
		2020	Rp 197,952,877,000.00	Rp 834,038,915,000.00	0.24
		2021	Rp 448,008,428,000.00	Rp 989,060,914,000.00	0.45
		2022	Rp 781,793,751,000.00	Rp 1,302,505,388,000.00	0.6
		2023	Rp 632,232,808,000.00	Rp 1,150,900,654,000.00	0.55
19	UNIQ	2019	Rp 332,526,315,303.00	Rp 580,579,119,615.00	0.57
		2020	Rp 296,492,159,634.00	Rp 539,154,214,761.00	0.55
		2021	Rp 318,296,247,836.00	Rp 516,019,518,477.00	0.62
		2022	Rp 424,781,798,011.00	Rp 581,518,014,122.00	0.73
		2023	Rp 571,540,783,292.00	Rp 726,265,910,969.00	0.79
20	WOWS	2019	Rp 176,806,012,680.00	Rp 808,300,723,068.00	0.22
		2020	Rp 112,449,256,639.00	Rp 765,277,957,352.00	0.15
		2021	Rp 95,542,840,629.00	Rp 714,710,154,018.00	0.13
		2022	Rp 98,694,773,171.00	Rp 679,232,519,898.00	0.15
		2023	Rp 122,458,371,892.00	Rp 666,222,140,701.00	0.18
21	BYAN	2019	Rp 19,628,374,608,570.00	Rp 18,026,755,934,915.00	1.09
		2020	Rp 19,678,072,645,140.00	Rp 22,846,221,435,310.00	0.86
		2021	Rp 44,868,271,687,368.00	Rp 38,284,726,476,621.00	1.17
		2022	Rp 73,992,678,279,778.00	Rp 62,066,013,405,315.00	1.19
		2023	Rp 55,210,483,212,648.00	Rp 53,097,634,283,456.00	1.04
22	DEWA	2019	Rp 4,861,252,409,195.00	Rp 7,750,959,810,685.00	0.63
		2020	Rp 4,276,567,463,805.00	Rp 7,766,771,050,220.00	0.55
		2021	Rp 5,077,003,118,940.00	Rp 8,864,364,983,138.00	0.57
		2022	Rp 6,399,757,782,600.00	Rp 8,620,136,127,025.00	0.74
		2023	Rp 7,372,668,455,000.00	Rp 8,137,619,055,000.00	0.91



NO	KODE	TAHUN	SALES	TOTAL ASET	SALES/TA
23	DOID	2019	Rp 12,437,959,374,295.00	Rp 16,670,857,349,055.00	0.75
		2020	Rp 8,486,865,222,745.00	Rp 13,744,613,766,065.00	0.62
		2021	Rp 14,323,773,374,353.00	Rp 25,735,260,127,417.00	0.56
		2022	Rp 24,441,406,928,887.00	Rp 24,714,775,999,517.00	0.99
		2023	Rp 28,262,468,858,832.00	Rp 28,898,824,412,064.00	0.98
24	DSSA	2019	Rp 23,504,788,949,005.00	Rp 52,456,115,067,720.00	0.45
		2020	Rp 21,260,778,615,440.00	Rp 40,907,752,923,310.00	0.52
		2021	Rp 34,056,770,056,528.00	Rp 47,351,453,580,776.00	0.72
		2022	Rp 93,695,500,308,338.00	Rp 101,168,891,290,058.00	0.93
		2023	Rp 77,305,998,128,352.00	Rp 47,223,416,830,072.00	1.64
25	GEMS	2019	Rp 15,620,781,144,605.00	Rp 11,011,014,185,535.00	1.42
		2020	Rp 14,971,186,315,085.00	Rp 11,477,489,075,325.00	1.3
		2021	Rp 24,948,635,940,021.00	Rp 13,041,422,745,947.00	1.91
		2022	Rp 45,933,960,023,593.00	Rp 17,761,664,513,724.00	2.59
		2023	Rp 44,734,708,339,136.00	Rp 20,226,443,248,920.00	2.21
26	GTBO	2019	Rp 230,399,758,680.00	Rp 776,489,051,520.00	0.3
		2020	Rp -	Rp 791,148,843,485.00	0
		2021	Rp 64,770,583,435.00	Rp 897,998,786,460.00	0.07
		2022	Rp 775,021,835,539.00	Rp 971,207,179,406.00	0.8
		2023	Rp 906,414,629,080.00	Rp 1,022,135,388,056.00	0.89
27	HITS	2019	Rp 1,216,662,869,695.00	Rp 2,875,272,908,690.00	0.42
		2020	Rp 1,273,045,576,075.00	Rp 3,145,076,592,840.00	0.4
		2021	Rp 1,336,929,521,678.00	Rp 3,517,185,447,211.00	0.38
		2022	Rp 1,765,628,956,075.00	Rp 3,616,877,796,669.00	0.49
		2023	Rp 1,733,868,182,424.00	Rp 4,190,383,348,064.00	0.41
28	HRUM	2019	Rp 3,703,841,386,245.00	Rp 6,304,962,561,170.00	0.59
		2020	Rp 2,226,037,657,935.00	Rp 7,034,194,756,680.00	0.32
		2021	Rp 5,288,377,057,927.00	Rp 13,759,238,422,442.00	0.38
		2022	Rp 14,227,710,953,145.00	Rp 20,116,894,920,736.00	0.71
		2023	Rp 14,267,821,561,440.00	Rp 25,175,980,471,872.00	0.57
29	INDY	2019	Rp 39,249,650,904,100.00	Rp 51,005,980,031,825.00	0.77
		2020	Rp 29,299,080,126,225.00	Rp 49,278,678,797,985.00	0.59
		2021	Rp 48,280,973,562,989.00	Rp 58,070,626,275,831.00	0.83
		2022	Rp 68,192,480,614,975.00	Rp 56,535,201,092,702.00	1.21
		2023	Rp 46,661,752,953,040.00	Rp 47,991,586,444,240.00	0.97
30	KKGI	2019	Rp 1,619,983,750,385.00	Rp 1,782,230,744,385.00	0.91
		2020	Rp 1,018,685,611,580.00	Rp 1,533,048,231,715.00	0.66
		2021	Rp 2,078,848,063,332.00	Rp 2,079,359,871,417.00	1
		2022	Rp 4,010,893,475,073.00	Rp 2,677,175,358,390.00	1.5
		2023	Rp 4,542,663,798,656.00	Rp 3,091,471,608,960.00	1.47
31	LEAD	2019	Rp 361,247,555,760.00	Rp 2,128,970,531,870.00	0.17
		2020	Rp 360,654,595,665.00	Rp 1,992,248,820,380.00	0.18
		2021	Rp 451,559,283,129.00	Rp 2,149,282,341,621.00	0.21
		2022	Rp 464,071,594,681.00	Rp 2,104,189,036,846.00	0.22
		2023	Rp 505,216,666,848.00	Rp 1,996,717,642,136.00	0.25
32	MBAP	2019	Rp 3,679,286,471,315.00	Rp 2,715,597,411,345.00	1.35
		2020	Rp 2,838,028,783,135.00	Rp 2,566,730,603,710.00	1.11
		2021	Rp 4,831,027,244,592.00	Rp 4,018,377,084,888.00	1.2
		2022	Rp 7,009,159,137,568.00	Rp 4,779,692,845,432.00	1.47
		2023	Rp 3,459,679,285,634.00	Rp 3,543,260,535,350.00	0.98
33	MBSS	2019	Rp 1,097,945,161,040.00	Rp 3,076,800,240,150.00	0.36
		2020	Rp 773,840,259,465.00	Rp 2,748,487,041,300.00	0.28
		2021	Rp 1,154,736,147,223.00	Rp 2,794,440,446,135.00	0.41
		2022	Rp 1,390,211,803,006.00	Rp 3,319,144,600,432.00	0.42
		2023	Rp 974,087,446,728.00	Rp 3,808,801,999,176.00	0.26

## LAMPIRAN 8

## DATA PERHITUNGAN RETURN ON ASSET

NO	KODE	TAHUN	LABA BERSIH	TOTAL ASSET	Labab brsh/TA
1	AKRA	2019	Rp 703,077,279,000.00	Rp 21,409,046,173,000.00	0.03
		2020	Rp 961,997,313,000.00	Rp 18,683,572,815,000.00	0.05
		2021	Rp 1,135,001,756,000.00	Rp 23,508,585,736,000.00	0.05
		2022	Rp 2,479,059,157,000.00	Rp 27,187,608,036,000.00	0.09
		2023	Rp 3,078,469,701,000.00	Rp 30,254,623,117,000.00	0.10
2	ANTM	2019	Rp 193,852,031,000.00	Rp 30,194,907,730,000.00	0.01
		2020	Rp 1,149,353,693,000.00	Rp 31,729,512,995,000.00	0.04
		2021	Rp 1,861,740,000,000.00	Rp 32,916,154,000,000.00	0.06
		2022	Rp 3,820,964,000,000.00	Rp 33,637,271,000,000.00	0.11
		2023	Rp 3,077,648,000,000.00	Rp 42,851,329,000,000.00	0.07
3	ARII	2019	Rp 78,099,385,000.00	Rp 5,133,542,960,000.00	0.02
		2020	Rp 231,392,525,000.00	Rp 5,089,112,210,000.00	0.05
		2021	Rp 14,441,058,000.00	Rp 5,812,132,570,000.00	0.00
		2022	Rp 410,185,825,000.00	Rp 7,058,892,975,000.00	0.06
		2023	Rp 11,222,848,000.00	Rp 8,135,794,000,000.00	0.00
4	BESS	2019	Rp 9,946,844,577.00	Rp 568,979,239,113.00	0.02
		2020	Rp 51,194,844,074.00	Rp 620,407,533,334.00	0.08
		2021	Rp 112,465,300,664.00	Rp 667,408,015,354.00	0.17
		2022	Rp 55,922,236,073.00	Rp 772,666,449,902.00	0.07
		2023	Rp 79,450,034,686.00	Rp 689,803,373,589.00	0.12
5	BSSR	2019	Rp 429,743,480,985.00	Rp 3,535,845,857,180.00	0.12
		2020	Rp 430,488,394,245.00	Rp 3,714,463,847,640.00	0.12
		2021	Rp 3,227,440,059,499.00	Rp 6,847,977,799,166.00	0.47
		2022	Rp 3,773,804,274,889.00	Rp 6,368,399,213,925.00	0.59
		2023	Rp 2,501,545,979,944.00	Rp 6,296,735,697,368.00	0.40
6	ELSA	2019	Rp 356,477,000,000.00	Rp 6,805,037,000,000.00	0.05
		2020	Rp 249,085,000,000.00	Rp 7,562,822,000,000.00	0.03
		2021	Rp 108,852,000,000.00	Rp 7,234,857,000,000.00	0.02
		2022	Rp 378,058,000,000.00	Rp 8,836,089,000,000.00	0.04
		2023	Rp 503,131,000,000.00	Rp 9,601,482,000,000.00	0.05
7	INPS	2019	-Rp 3,884,623,452.00	Rp 478,788,186,515.00	-0.01
		2020	-Rp 17,300,728,607.00	Rp 453,895,243,881.00	-0.04
		2021	-Rp 31,191,934,714.00	Rp 415,503,803,268.00	-0.08
		2022	-Rp 75,303,538,845.00	Rp 310,491,319,675.00	-0.24
		2023	Rp 120,527,336.00	Rp 293,286,043,387.00	0.00
8	KOPI	2019	Rp 6,803,937,948.00	Rp 148,795,491,227.00	0.05
		2020	Rp 922,972,928.00	Rp 185,404,119,807.00	0.00
		2021	Rp 1,845,557,734.00	Rp 139,180,731,717.00	0.01
		2022	Rp 6,939,941,628.00	Rp 257,592,474,057.00	0.03
		2023	Rp 2,431,270,342.00	Rp 345,240,596,972.00	0.01
9	MITI	2019	-Rp 87,934,380,048.00	Rp 57,163,867,424.00	-1.54
		2020	Rp 4,039,170,019.00	Rp 27,606,076,935.00	0.15
		2021	Rp 5,223,088,063.00	Rp 78,091,681,970.00	0.07
		2022	Rp 15,345,893,870.00	Rp 475,033,060,324.00	0.03
		2023	Rp 47,888,741,039.00	Rp 494,887,993,945.00	0.10
10	PKPK	2019	-Rp 41,489,168,000.00	Rp 71,655,559,000.00	-0.58
		2020	Rp 25,803,000.00	Rp 68,655,724,000.00	0.00
		2021	-Rp 877,780,000.00	Rp 64,597,184,000.00	-0.01
		2022	-Rp 29,411,413,000.00	Rp 71,631,767,000.00	-0.41
		2023	-Rp 6,112,692,000.00	Rp 251,200,338,000.00	-0.02
11	PTBA	2019	Rp 4,040,394,000,000.00	Rp 26,098,052,000,000.00	0.15
		2020	Rp 2,407,927,000,000.00	Rp 24,056,755,000,000.00	0.10
		2021	Rp 8,036,888,000,000.00	Rp 36,123,703,000,000.00	0.22
		2022	Rp 12,779,427,000,000.00	Rp 45,359,207,000,000.00	0.28
		2023	Rp 6,292,521,000,000.00	Rp 38,765,189,000,000.00	0.16

NO	KODE	TAHUN	LABA BERSIH	TOTAL ASET	Laba brsh/TA
12	RUIS	2019	Rp 33,086,271,543.00	Rp 1,251,357,407,016.00	0.03
		2020	Rp 27,542,197,663.00	Rp 1,345,151,507,257.00	0.02
		2021	Rp 18,158,667,578.00	Rp 1,296,770,655,592.00	0.01
		2022	Rp 20,111,351,869.00	Rp 1,267,549,300,138.00	0.02
		2023	Rp 14,188,438,899.00	Rp 1,341,729,318,010.00	0.01
13	SGER	2019	Rp 20,366,271,334.00	Rp 638,097,839,897.00	0.03
		2020	Rp 27,725,217,682.00	Rp 685,999,877,295.00	0.04
		2021	Rp 202,567,973,376.00	Rp 1,237,084,547,855.00	0.16
		2022	Rp 590,931,062,479.00	Rp 3,370,495,011,962.00	0.18
		2023	Rp 681,306,494,710.00	Rp 4,576,848,746,878.00	0.15
14	SMMT	2019	Rp 6,234,017,119.00	Rp 871,513,339,763.00	0.01
		2020	-Rp 23,386,617,883.00	Rp 881,786,218,140.00	-0.03
		2021	Rp 249,957,731,407.00	Rp 1,051,640,434,770.00	0.24
		2022	Rp 402,880,164,172.00	Rp 1,182,852,785,319.00	0.34
		2023	Rp 255,974,588,686.00	Rp 1,007,863,610,940.00	0.25
15	SMRU	2019	-Rp 187,289,498,478.00	Rp 1,675,570,667,301.00	-0.11
		2020	-Rp 322,104,973,315.00	Rp 1,288,617,641,905.00	-0.25
		2021	-Rp 236,630,325,152.00	Rp 1,029,461,271,703.00	-0.23
		2022	-Rp 18,089,439,932.00	Rp 936,030,494,471.00	-0.02
		2023	Rp 81,384,783,464.00	Rp 828,406,395,643.00	0.10
16	SURE	2019	Rp 8,617,530,068.00	Rp 909,963,882,315.00	0.01
		2020	-Rp 22,516,517,833.00	Rp 1,093,996,495,741.00	-0.02
		2021	-Rp 70,508,745,028.00	Rp 997,439,630,855.00	-0.07
		2022	-Rp 81,614,077,936.00	Rp 961,382,427,552.00	-0.08
		2023	-Rp 142,341,155,379.00	Rp 983,779,522,672.00	-0.14
17	TCPI	2019	Rp 269,489,000,000.00	Rp 3,077,535,000,000.00	0.09
		2020	Rp 57,730,000,000.00	Rp 2,752,211,000,000.00	0.02
		2021	Rp 84,578,000,000.00	Rp 2,847,296,000,000.00	0.03
		2022	Rp 115,667,000,000.00	Rp 2,809,869,000,000.00	0.04
		2023	Rp 188,678,000,000.00	Rp 3,509,253,000,000.00	0.05
18	TEBE	2019	Rp 45,954,573,000.00	Rp 898,913,890,000.00	0.05
		2020	-Rp 2,525,004,000.00	Rp 834,038,915,000.00	0.00
		2021	Rp 165,614,881,000.00	Rp 989,060,914,000.00	0.17
		2022	Rp 327,830,339,000.00	Rp 1,302,505,388,000.00	0.25
		2023	Rp 221,711,596,000.00	Rp 1,150,900,654,000.00	0.19
19	UNIQ	2019	Rp 17,433,143,943.00	Rp 580,579,119,615.00	0.03
		2020	-Rp 1,990,358,075.00	Rp 539,154,214,761.00	0.00
		2021	-Rp 9,467,559,696.00	Rp 516,019,518,477.00	-0.02
		2022	Rp 22,935,664,021.00	Rp 581,518,014,122.00	0.04
		2023	Rp 42,484,604,236.00	Rp 726,265,910,969.00	0.06
20	WOWS	2019	Rp 17,056,865,193.00	Rp 808,300,723,068.00	0.02
		2020	Rp 1,432,816,106.00	Rp 765,277,957,352.00	0.00
		2021	-Rp 33,855,579,284.00	Rp 714,710,154,018.00	-0.05
		2022	-Rp 27,661,790,752.00	Rp 679,232,519,898.00	-0.04
		2023	-Rp 9,959,386,254.00	Rp 666,222,140,701.00	-0.01
21	BYAN	2019	Rp 3,303,550,062,085.00	Rp 18,026,755,934,915.00	0.18
		2020	Rp 4,858,606,466,350.00	Rp 22,846,221,435,310.00	0.21
		2021	Rp 19,914,774,947,002.00	Rp 38,284,726,476,621.00	0.52
		2022	Rp 36,206,556,859,857.00	Rp 62,066,013,405,315.00	0.58
		2023	Rp 19,726,018,260,272.00	Rp 53,097,634,283,456.00	0.37
22	DEWA	2019	Rp 53,231,973,795.00	Rp 7,750,959,810,685.00	0.01
		2020	Rp 23,243,516,660.00	Rp 7,766,771,050,220.00	0.00
		2021	Rp 17,182,216,212.00	Rp 8,864,364,983,138.00	0.00
		2022	Rp 263,095,406,226.00	Rp 8,620,136,127,025.00	0.03
		2023	Rp 35,294,692,000.00	Rp 8,137,619,055,000.00	0.00

NO	KODE	TAHUN	LABA BERSIH	TOTAL ASET	Laba brsh/TA
23	DOID	2019	Rp 288,878,736,055.00	Rp 16,670,857,349,055.00	0.02
		2020	-Rp 330,569,998,850.00	Rp 13,744,613,766,065.00	-0.02
		2021	Rp 4,413,269,126.00	Rp 25,735,260,127,417.00	0.00
		2022	Rp 450,515,547,010.00	Rp 24,714,775,999,517.00	0.02
		2023	Rp 555,133,104,456.00	Rp 28,898,824,412,064.00	0.02
24	DSSA	2019	Rp 1,010,685,481,260.00	Rp 52,456,115,067,720.00	0.02
		2020	-Rp 816,644,844,015.00	Rp 40,907,752,923,310.00	-0.02
		2021	Rp 4,174,024,731,623.00	Rp 47,351,453,580,776.00	0.09
		2022	Rp 20,505,847,639,714.00	Rp 101,168,891,290,058.00	0.20
		2023	Rp 13,339,673,208,904.00	Rp 47,223,416,830,072.00	0.28
25	GEMS	2019	Rp 941,732,412,985.00	Rp 11,011,014,185,535.00	0.09
		2020	Rp 1,352,056,680,065.00	Rp 11,477,489,075,325.00	0.12
		2021	Rp 5,569,157,364,470.00	Rp 13,041,422,745,947.00	0.43
		2022	Rp 10,947,329,282,854.00	Rp 17,761,664,513,724.00	0.62
		2023	Rp 8,151,185,519,392.00	Rp 20,226,443,248,920.00	0.40
26	GTBO	2019	-Rp 56,630,460,705.00	Rp 776,489,051,520.00	-0.07
		2020	-Rp 17,080,534,380.00	Rp 791,148,843,485.00	-0.02
		2021	-Rp 3,367,739,673.00	Rp 897,998,786,460.00	0.00
		2022	Rp 117,969,411,808.00	Rp 971,207,179,406.00	0.12
		2023	Rp 64,011,101,416.00	Rp 1,022,135,388,056.00	0.06
27	HITS	2019	Rp 185,370,434,795.00	Rp 2,875,272,908,690.00	0.06
		2020	Rp 103,132,685,110.00	Rp 3,145,076,592,840.00	0.03
		2021	-Rp 203,082,585,086.00	Rp 3,517,185,447,211.00	-0.06
		2022	Rp 177,497,482,183.00	Rp 3,616,877,796,669.00	0.05
		2023	Rp 142,472,297,936.00	Rp 4,190,383,348,064.00	0.03
28	HRUM	2019	Rp 283,829,117,845.00	Rp 6,304,962,561,170.00	0.05
		2020	Rp 850,423,103,075.00	Rp 7,034,194,756,680.00	0.12
		2021	Rp 1,546,564,083,995.00	Rp 13,759,238,422,442.00	0.11
		2022	Rp 5,974,195,015,217.00	Rp 20,116,894,920,736.00	0.30
		2023	Rp 3,016,481,278,592.00	Rp 25,175,980,471,872.00	0.12
29	INDY	2019	Rp 70,418,281,570.00	Rp 51,005,980,031,825.00	0.00
		2020	-Rp 1,459,130,852,270.00	Rp 49,278,678,797,985.00	-0.03
		2021	Rp 996,033,371,676.00	Rp 58,070,626,275,831.00	0.02
		2022	Rp 8,035,018,781,907.00	Rp 56,535,201,092,702.00	0.14
		2023	Rp 2,328,480,290,856.00	Rp 47,991,586,444,240.00	0.05
30	KKGI	2019	Rp 76,369,434,960.00	Rp 1,782,230,744,385.00	0.04
		2020	-Rp 122,262,351,575.00	Rp 1,533,048,231,715.00	-0.08
		2021	Rp 361,868,451,775.00	Rp 2,079,359,871,417.00	0.17
		2022	Rp 614,388,457,286.00	Rp 2,677,175,358,390.00	0.23
		2023	Rp 413,188,280,376.00	Rp 3,091,471,608,960.00	0.13
31	LEAD	2019	-Rp 120,551,132,975.00	Rp 2,128,970,531,870.00	-0.06
		2020	-Rp 37,975,963,480.00	Rp 1,992,248,820,380.00	-0.02
		2021	-Rp 41,764,027,397.00	Rp 2,149,282,341,621.00	-0.02
		2022	-Rp 94,200,814,668.00	Rp 2,104,189,036,846.00	-0.04
		2023	-Rp 83,356,639,816.00	Rp 1,996,717,642,136.00	-0.04
32	MBAP	2019	Rp 497,730,991,485.00	Rp 2,715,597,411,345.00	0.18
		2020	Rp 387,428,890,030.00	Rp 2,566,730,603,710.00	0.15
		2021	Rp 1,568,030,981,368.00	Rp 4,018,377,084,888.00	0.39
		2022	Rp 2,797,074,871,864.00	Rp 4,779,692,845,432.00	0.59
		2023	Rp 334,824,465,953.00	Rp 3,543,260,535,350.00	0.09
33	MBSS	2019	Rp 25,504,209,640.00	Rp 3,076,800,240,150.00	0.01
		2020	-Rp 211,235,831,170.00	Rp 2,748,487,041,300.00	-0.08
		2021	Rp 191,005,959,310.00	Rp 2,794,440,446,135.00	0.07
		2022	Rp 402,486,114,009.00	Rp 3,319,144,600,432.00	0.12
		2023	Rp 379,831,941,208.00	Rp 3,808,801,999,176.00	0.10

## LAMPIRAN 9

## DATA PERHITUNGAN LEVERAGE

NO	KODE	TAHUN	TOTAL LIABILITAS	TOTAL ASET	LEVERAGE
1	AKRA	2019	Rp 11,342,184,833,000.00	Rp 21,409,046,173,000.00	0.53
		2020	Rp 8,127,216,543,000.00	Rp 18,683,572,815,000.00	0.43
		2021	Rp 12,209,620,623,000.00	Rp 23,508,585,736,000.00	0.52
		2022	Rp 14,032,797,261,000.00	Rp 27,187,608,036,000.00	0.52
		2023	Rp 16,211,665,604,000.00	Rp 30,254,623,117,000.00	0.54
2	ANTM	2019	Rp 12,061,488,555,000.00	Rp 30,194,907,730,000.00	0.40
		2020	Rp 12,690,063,970,000.00	Rp 31,729,512,995,000.00	0.40
		2021	Rp 12,079,056,000,000.00	Rp 32,916,154,000,000.00	0.37
		2022	Rp 9,925,211,000,000.00	Rp 33,637,271,000,000.00	0.30
		2023	Rp 11,685,659,000,000.00	Rp 42,851,329,000,000.00	0.27
3	ARII	2019	Rp 4,483,894,870,000.00	Rp 5,133,542,960,000.00	0.87
		2020	Rp 4,691,153,740,000.00	Rp 5,089,112,210,000.00	0.92
		2021	Rp 5,197,317,897,000.00	Rp 5,812,132,570,000.00	0.89
		2022	Rp 5,954,057,652,000.00	Rp 7,058,892,975,000.00	0.84
		2023	Rp 7,040,440,952,000.00	Rp 8,135,794,000,000.00	0.87
4	BESS	2019	Rp 369,620,928,732.00	Rp 568,979,239,113.00	0.65
		2020	Rp 303,511,534,873.00	Rp 620,407,533,334.00	0.49
		2021	Rp 236,216,688,731.00	Rp 667,408,015,354.00	0.35
		2022	Rp 280,314,393,366.00	Rp 772,666,449,902.00	0.36
		2023	Rp 117,265,164,483.00	Rp 689,803,373,589.00	0.17
5	BSSR	2019	Rp 1,133,515,291,090.00	Rp 3,535,845,857,180.00	0.32
		2020	Rp 1,029,209,732,915.00	Rp 3,714,463,847,640.00	0.28
		2021	Rp 2,874,127,525,583.00	Rp 6,847,977,799,166.00	0.42
		2022	Rp 2,900,063,351,131.00	Rp 6,368,399,213,925.00	0.46
		2023	Rp 2,558,610,678,008.00	Rp 6,296,735,697,368.00	0.41
6	ELSA	2019	Rp 3,228,339,000,000.00	Rp 6,805,037,000,000.00	0.47
		2020	Rp 3,821,876,000,000.00	Rp 7,562,822,000,000.00	0.51
		2021	Rp 3,456,723,000,000.00	Rp 7,234,857,000,000.00	0.48
		2022	Rp 4,718,878,000,000.00	Rp 8,836,089,000,000.00	0.53
		2023	Rp 5,185,414,000,000.00	Rp 9,601,482,000,000.00	0.54
7	INPS	2019	Rp 337,880,342,146.00	Rp 478,788,186,515.00	0.71
		2020	Rp 330,546,316,885.00	Rp 453,895,243,881.00	0.73
		2021	Rp 321,775,691,609.00	Rp 415,503,803,268.00	0.77
		2022	Rp 291,142,538,383.00	Rp 310,491,319,675.00	0.94
		2023	Rp 272,388,707,110.00	Rp 293,286,043,387.00	0.93
8	KOPI	2019	Rp 62,163,489,780.00	Rp 148,795,491,227.00	0.42
		2020	Rp 98,039,065,745.00	Rp 185,404,119,807.00	0.53
		2021	Rp 49,549,776,710.00	Rp 139,180,731,717.00	0.36
		2022	Rp 159,714,360,685.00	Rp 257,592,474,057.00	0.62
		2023	Rp 244,807,247,098.00	Rp 345,240,596,972.00	0.71
9	MITI	2019	Rp 68,801,967,457.00	Rp 57,163,867,424.00	1.20
		2020	Rp 36,588,443,043.00	Rp 27,606,076,935.00	1.33
		2021	Rp 21,079,626,913.00	Rp 78,091,681,970.00	0.27
		2022	Rp 81,035,237,770.00	Rp 475,033,060,324.00	0.17
		2023	Rp 59,091,926,505.00	Rp 494,887,993,945.00	0.12
10	PKPK	2019	Rp 57,327,332,000.00	Rp 71,655,559,000.00	0.80
		2020	Rp 28,264,221,000.00	Rp 68,655,724,000.00	0.41
		2021	Rp 24,585,178,000.00	Rp 64,597,184,000.00	0.38
		2022	Rp 60,980,287,000.00	Rp 71,631,767,000.00	0.85
		2023	Rp 7,838,409,000.00	Rp 251,200,338,000.00	0.03
11	PTBA	2019	Rp 7,675,226,000,000.00	Rp 26,098,052,000,000.00	0.29
		2020	Rp 7,117,559,000,000.00	Rp 24,056,755,000,000.00	0.30
		2021	Rp 11,869,979,000,000.00	Rp 36,123,703,000,000.00	0.33
		2022	Rp 16,443,161,000,000.00	Rp 45,359,207,000,000.00	0.36
		2023	Rp 17,201,993,000,000.00	Rp 38,765,189,000,000.00	0.44

NO	KODE	TAHUN	TOTAL LIABILITAS	TOTAL ASET	LEVER AGE
12	RUIS	2019	Rp 818,355,397,777.00	Rp 1,251,357,407,016.00	0.65
		2020	Rp 888,702,914,518.00	Rp 1,345,151,507,257.00	0.66
		2021	Rp 809,598,198,146.00	Rp 1,296,770,655,592.00	0.62
		2022	Rp 744,435,466,164.00	Rp 1,267,549,300,138.00	0.59
		2023	Rp 792,253,377,478.00	Rp 1,341,729,318,010.00	0.59
13	SGER	2019	Rp 480,533,417,770.00	Rp 638,097,839,897.00	0.75
		2020	Rp 450,307,372,275.00	Rp 685,999,877,295.00	0.66
		2021	Rp 802,902,534,546.00	Rp 1,237,084,547,855.00	0.65
		2022	Rp 2,358,362,130,045.00	Rp 3,370,495,011,962.00	0.70
		2023	Rp 3,095,080,952,701.00	Rp 4,576,848,746,878.00	0.68
14	SMMT	2019	Rp 287,067,420,462.00	Rp 871,513,339,763.00	0.33
		2020	Rp 317,228,386,339.00	Rp 881,786,218,140.00	0.36
		2021	Rp 233,792,851,055.00	Rp 1,051,640,434,770.00	0.22
		2022	Rp 165,956,607,186.00	Rp 1,182,852,785,319.00	0.14
		2023	Rp 208,339,830,993.00	Rp 1,007,863,610,940.00	0.21
15	SMRU	2019	Rp 901,770,129,259.00	Rp 1,675,570,667,301.00	0.54
		2020	Rp 841,406,041,966.00	Rp 1,288,617,641,905.00	0.65
		2021	Rp 817,496,144,035.00	Rp 1,029,461,271,703.00	0.79
		2022	Rp 740,879,938,141.00	Rp 936,030,494,471.00	0.79
		2023	Rp 717,048,120,011.00	Rp 828,406,395,643.00	0.87
16	SURE	2019	Rp 786,290,965,670.00	Rp 909,963,882,315.00	0.86
		2020	Rp 489,681,358,937.00	Rp 1,093,996,495,741.00	0.45
		2021	Rp 462,650,891,479.00	Rp 997,439,630,855.00	0.46
		2022	Rp 508,348,228,512.00	Rp 961,382,427,552.00	0.53
		2023	Rp 520,307,710,723.00	Rp 983,779,522,672.00	0.53
17	TCPI	2019	Rp 1,638,619,000,000.00	Rp 3,077,535,000,000.00	0.53
		2020	Rp 1,320,653,000,000.00	Rp 2,752,211,000,000.00	0.48
		2021	Rp 1,307,023,000,000.00	Rp 2,847,296,000,000.00	0.46
		2022	Rp 1,161,845,000,000.00	Rp 2,809,869,000,000.00	0.41
		2023	Rp 1,413,313,000,000.00	Rp 3,509,253,000,000.00	0.40
18	TEBE	2019	Rp 302,082,899,957.00	Rp 898,913,890,000.00	0.34
		2020	Rp 263,763,651,821.00	Rp 834,038,915,000.00	0.32
		2021	Rp 178,974,721,208.00	Rp 989,060,914,000.00	0.18
		2022	Rp 222,437,023,236.00	Rp 1,302,505,388,000.00	0.17
		2023	Rp 336,359,463,675.00	Rp 1,150,900,654,000.00	0.29
19	UNIQ	2019	Rp 302,082,899,957.00	Rp 580,579,119,615.00	0.52
		2020	Rp 263,763,651,821.00	Rp 539,154,214,761.00	0.49
		2021	Rp 178,974,721,208.00	Rp 516,019,518,477.00	0.35
		2022	Rp 222,437,023,236.00	Rp 581,518,014,122.00	0.38
		2023	Rp 336,359,463,675.00	Rp 726,265,910,969.00	0.46
20	WOWS	2019	Rp 216,599,080,223.00	Rp 808,300,723,068.00	0.27
		2020	Rp 171,321,009,492.00	Rp 765,277,957,352.00	0.22
		2021	Rp 154,329,376,835.00	Rp 714,710,154,018.00	0.22
		2022	Rp 146,406,976,074.00	Rp 679,232,519,898.00	0.22
		2023	Rp 143,270,963,604.00	Rp 666,222,140,701.00	0.22
21	BYAN	2019	Rp 9,294,630,235,800.00	Rp 18,026,755,934,915.00	0.52
		2020	Rp 10,694,005,453,040.00	Rp 22,846,221,435,310.00	0.47
		2021	Rp 8,979,346,307,227.00	Rp 38,284,726,476,621.00	0.23
		2022	Rp 30,678,097,810,458.00	Rp 62,066,013,405,315.00	0.49
		2023	Rp 22,592,172,881,424.00	Rp 53,097,634,283,456.00	0.43
22	DEWA	2019	Rp 4,446,679,716,115.00	Rp 7,750,959,810,685.00	0.57
		2020	Rp 3,966,880,129,030.00	Rp 7,766,771,050,220.00	0.51
		2021	Rp 4,603,580,954,935.00	Rp 8,864,364,983,138.00	0.52
		2022	Rp 4,622,759,324,930.00	Rp 8,620,136,127,025.00	0.54
		2023	Rp 4,848,304,165,000.00	Rp 8,137,619,055,000.00	0.60

NO	KODE	TAHUN	TOTAL LIABILITAS	TOTAL ASET	LEVER AGE
23	DOID	2019	Rp 12,713,403,690,260.00	Rp 16,670,857,349,055.00	0.76
		2020	Rp 10,024,682,101,070.00	Rp 13,744,613,766,065.00	0.73
		2021	Rp 21,556,222,618,258.00	Rp 25,735,260,127,417.00	0.84
		2022	Rp 20,684,049,697,656.00	Rp 24,714,775,999,517.00	0.84
		2023	Rp 24,696,346,718,688.00	Rp 28,898,824,412,064.00	0.85
24	DSSA	2019	Rp 29,350,592,108,110.00	Rp 52,456,115,067,720.00	0.56
		2020	Rp 18,496,172,831,500.00	Rp 40,907,752,923,310.00	0.45
		2021	Rp 19,818,911,727,447.00	Rp 47,351,453,580,776.00	0.42
		2022	Rp 54,101,991,174,830.00	Rp 101,168,891,290,058.00	0.53
		2023	Rp 20,695,329,922,696.00	Rp 47,223,416,830,072.00	0.44
25	GEMS	2019	Rp 5,957,658,009,485.00	Rp 11,011,014,185,535.00	0.54
		2020	Rp 6,548,714,832,205.00	Rp 11,477,489,075,325.00	0.57
		2021	Rp 8,065,329,225,514.00	Rp 13,041,422,745,947.00	0.62
		2022	Rp 8,979,918,097,615.00	Rp 17,761,664,513,724.00	0.51
		2023	Rp 10,003,907,315,728.00	Rp 20,226,443,248,920.00	0.49
26	GTBO	2019	Rp 176,511,436,920.00	Rp 776,489,051,520.00	0.23
		2020	Rp 201,810,066,185.00	Rp 791,148,843,485.00	0.26
		2021	Rp 250,182,567,683.00	Rp 897,998,786,460.00	0.28
		2022	Rp 233,123,824,090.00	Rp 971,207,179,406.00	0.24
		2023	Rp 255,944,587,064.00	Rp 1,022,135,388,056.00	0.25
27	HITS	2019	Rp 1,987,543,575,745.00	Rp 2,875,272,908,690.00	0.69
		2020	Rp 2,185,793,948,975.00	Rp 3,145,076,592,840.00	0.69
		2021	Rp 2,517,790,864,227.00	Rp 3,517,185,447,211.00	0.72
		2022	Rp 2,361,799,137,758.00	Rp 3,616,877,796,669.00	0.65
		2023	Rp 2,528,638,998,720.00	Rp 4,190,383,348,064.00	0.60
28	HRUM	2019	Rp 668,837,110,305.00	Rp 6,304,962,561,170.00	0.11
		2020	Rp 619,288,459,790.00	Rp 7,034,194,756,680.00	0.09
		2021	Rp 3,510,929,511,669.00	Rp 13,759,238,422,442.00	0.26
		2022	Rp 4,507,456,144,581.00	Rp 20,116,894,920,736.00	0.22
		2023	Rp 7,066,490,014,672.00	Rp 25,175,980,471,872.00	0.28
29	INDY	2019	Rp 36,255,334,686,935.00	Rp 51,005,980,031,825.00	0.71
		2020	Rp 37,045,449,055,615.00	Rp 49,278,678,797,985.00	0.75
		2021	Rp 44,168,926,611,716.00	Rp 58,070,626,275,831.00	0.76
		2022	Rp 35,452,924,480,749.00	Rp 56,535,201,092,702.00	0.63
		2023	Rp 26,761,635,515,040.00	Rp 47,991,586,444,240.00	0.56
30	KKG I	2019	Rp 465,062,485,615.00	Rp 1,782,230,744,385.00	0.26
		2020	Rp 344,694,139,335.00	Rp 1,533,048,231,715.00	0.22
		2021	Rp 523,239,031,881.00	Rp 2,079,359,871,417.00	0.25
		2022	Rp 743,219,684,126.00	Rp 2,677,175,358,390.00	0.28
		2023	Rp 943,396,040,648.00	Rp 3,091,471,608,960.00	0.31
31	LEAD	2019	Rp 1,557,400,655,265.00	Rp 2,128,970,531,870.00	0.73
		2020	Rp 1,459,304,103,985.00	Rp 1,992,248,820,380.00	0.73
		2021	Rp 1,595,629,780,890.00	Rp 2,149,282,341,621.00	0.74
		2022	Rp 1,645,609,165,727.00	Rp 2,104,189,036,846.00	0.78
		2023	Rp 1,629,502,340,320.00	Rp 1,996,717,642,136.00	0.82
32	MBAP	2019	Rp 661,339,710,395.00	Rp 2,715,597,411,345.00	0.24
		2020	Rp 617,135,021,230.00	Rp 2,566,730,603,710.00	0.24
		2021	Rp 900,231,842,576.00	Rp 4,018,377,084,888.00	0.22
		2022	Rp 877,549,115,512.00	Rp 4,779,692,845,432.00	0.18
		2023	Rp 875,589,737,467.00	Rp 3,543,260,535,350.00	0.25
33	MBSS	2019	Rp 652,421,288,155.00	Rp 3,076,800,240,150.00	0.21
		2020	Rp 536,748,778,475.00	Rp 2,748,487,041,300.00	0.20
		2021	Rp 134,218,465,100.00	Rp 2,794,440,446,135.00	0.05
		2022	Rp 391,469,757,633.00	Rp 3,319,144,600,432.00	0.12
		2023	Rp 558,881,258,200.00	Rp 3,808,801,999,176.00	0.15

## LAMPIRAN 10

## DATA Perhitungan Likuiditas

NO	KODE	TAHUN	AKTIVA LANCAR	KEWAJIBAN LANCAR	LIKUIDITAS
1	AKRA	2019	Rp 10,777,639,192,000.00	Rp 8,712,526,231,000.00	1.24
		2020	Rp 8,042,418,506,000.00	Rp 5,102,110,055,000.00	1.58
		2021	Rp 12,022,678,362,000.00	Rp 9,306,841,393,000.00	1.29
		2022	Rp 15,841,294,251,000.00	Rp 11,280,491,593,000.00	1.40
		2023	Rp 18,121,051,657,000.00	Rp 12,533,377,808,000.00	1.45
2	ANTM	2019	Rp 7,665,239,260,000.00	Rp 5,293,238,393,000.00	1.45
		2020	Rp 9,150,514,439,000.00	Rp 7,553,261,301,000.00	1.21
		2021	Rp 11,728,143,000,000.00	Rp 6,562,383,000,000.00	1.79
		2022	Rp 11,694,779,000,000.00	Rp 5,971,662,000,000.00	1.96
		2023	Rp 20,064,546,000,000.00	Rp 8,576,440,000,000.00	2.34
3	ARII	2019	Rp 884,312,975,000.00	Rp 3,672,716,320,000.00	0.24
		2020	Rp 839,882,225,000.00	Rp 4,035,341,765,000.00	0.21
		2021	Rp 1,182,672,311,000.00	Rp 2,663,620,113,000.00	0.44
		2022	Rp 2,278,965,701,000.00	Rp 3,159,083,689,000.00	0.72
		2023	Rp 3,275,992,496,000.00	Rp 4,698,411,400,000.00	0.70
4	BESS	2019	Rp 21,327,461,587.00	Rp 92,129,728,055.00	0.23
		2020	Rp 99,934,687,098.00	Rp 105,590,771,015.00	0.95
		2021	Rp 137,475,358,287.00	Rp 110,883,887,168.00	1.24
		2022	Rp 213,870,565,668.00	Rp 181,429,256,697.00	1.18
		2023	Rp 168,832,887,239.00	Rp 74,520,364,386.00	2.27
5	BSSR	2019	Rp 1,093,664,096,070.00	Rp 906,452,916,460.00	1.21
		2020	Rp 1,353,629,006,730.00	Rp 858,343,511,935.00	1.58
		2021	Rp 4,275,434,764,702.00	Rp 2,669,342,531,677.00	1.60
		2022	Rp 3,354,552,359,969.00	Rp 2,693,918,396,544.00	1.25
		2023	Rp 3,265,833,937,808.00	Rp 2,367,719,252,296.00	1.38
6	ELSA	2019	Rp 3,698,370,000,000.00	Rp 2,504,335,000,000.00	1.48
		2020	Rp 4,217,325,000,000.00	Rp 2,573,467,000,000.00	1.64
		2021	Rp 4,446,784,000,000.00	Rp 2,561,234,000,000.00	1.74
		2022	Rp 5,287,016,000,000.00	Rp 3,531,761,000,000.00	1.50
		2023	Rp 6,106,301,000,000.00	Rp 4,234,123,000,000.00	1.44
7	INPS	2019	Rp 74,724,532,294.00	Rp 203,306,140,876.00	0.37
		2020	Rp 46,267,175,738.00	Rp 195,683,515,705.00	0.24
		2021	Rp 38,529,570,168.00	Rp 295,685,032,740.00	0.13
		2022	Rp 39,833,266,109.00	Rp 244,381,734,232.00	0.16
		2023	Rp 33,086,858,276.00	Rp 232,780,615,747.00	0.14
8	KOPI	2019	Rp 72,956,352,986.00	Rp 55,776,736,715.00	1.31
		2020	Rp 111,872,847,977.00	Rp 87,767,592,238.00	1.27
		2021	Rp 67,657,852,213.00	Rp 43,021,745,967.00	1.57
		2022	Rp 89,651,889,479.00	Rp 62,933,439,049.00	1.42
		2023	Rp 92,613,434,964.00	Rp 107,030,694,400.00	0.87
9	MITI	2019	Rp 49,132,663,896.00	Rp 43,307,998,193.00	1.13
		2020	Rp 22,244,772,501.00	Rp 36,588,443,043.00	0.61
		2021	Rp 51,450,314,927.00	Rp 20,515,221,523.00	2.51
		2022	Rp 200,200,256,743.00	Rp 68,244,336,694.00	2.93
		2023	Rp 222,565,767,154.00	Rp 47,505,697,907.00	4.69
10	PKPK	2019	Rp 12,783,032,000.00	Rp 87,477,000.00	146.13
		2020	Rp 6,752,830,000.00	Rp 1,750,793,000.00	3.86
		2021	Rp 6,617,838,000.00	Rp 466,098,000.00	14.20
		2022	Rp 31,564,847,000.00	Rp 38,081,311,000.00	0.83
		2023	Rp 213,112,702,000.00	Rp 6,090,086,000.00	34.99
11	PTBA	2019	Rp 11,668,127,000,000.00	Rp 4,691,251,000,000.00	2.49
		2020	Rp 8,364,356,000,000.00	Rp 3,872,457,000,000.00	2.16
		2021	Rp 18,211,500,000,000.00	Rp 7,500,647,000,000.00	2.43
		2022	Rp 24,432,148,000,000.00	Rp 10,701,780,000,000.00	2.28
		2023	Rp 15,148,356,000,000.00	Rp 9,968,101,000,000.00	1.52



NO	KODE	TAHUN	AKTIVA LANCAR	KEWAJIBAN LANCAR	LIKUIDITAS
12	RUIS	2019	Rp 611,756,617,722.00	Rp 591,403,183,354.00	1.03
		2020	Rp 665,500,151,752.00	Rp 620,170,304,014.00	1.07
		2021	Rp 705,432,871,300.00	Rp 614,886,507,245.00	1.15
		2022	Rp 712,548,890,131.00	Rp 566,119,922,178.00	1.26
		2023	Rp 844,576,043,342.00	Rp 617,852,302,675.00	1.37
13	SGER	2019	Rp 579,868,360,035.00	Rp 468,809,364,197.00	1.24
		2020	Rp 626,065,851,416.00	Rp 438,247,567,095.00	1.43
		2021	Rp 1,162,018,967,015.00	Rp 792,866,256,293.00	1.47
		2022	Rp 3,312,541,662,345.00	Rp 2,344,203,788,141.00	1.41
		2023	Rp 4,421,805,328,128.00	Rp 2,967,417,034,393.00	1.49
14	SMMT	2019	Rp 85,378,192,680.00	Rp 139,763,286,351.00	0.61
		2020	Rp 93,577,946,345.00	Rp 160,127,033,037.00	0.58
		2021	Rp 237,930,057,104.00	Rp 111,872,346,585.00	2.13
		2022	Rp 171,801,416,368.00	Rp 159,985,988,549.00	1.07
		2023	Rp 188,675,899,475.00	Rp 175,199,888,029.00	1.08
15	SMRU	2019	Rp 266,422,913,179.00	Rp 233,400,194,285.00	1.14
		2020	Rp 155,039,529,753.00	Rp 327,120,710,729.00	0.47
		2021	Rp 165,378,703,034.00	Rp 710,531,093,707.00	0.23
		2022	Rp 125,400,934,643.00	Rp 661,317,957,927.00	0.19
		2023	Rp 84,928,603,967.00	Rp 662,681,316,371.00	0.13
16	SURE	2019	Rp 341,114,038,281.00	Rp 701,238,614,733.00	0.49
		2020	Rp 540,587,740,453.00	Rp 76,899,627,855.00	7.03
		2021	Rp 425,376,340,489.00	Rp 58,478,126,139.00	7.27
		2022	Rp 354,832,585,516.00	Rp 80,241,436,430.00	4.42
		2023	Rp 219,777,659,145.00	Rp 95,963,679,228.00	2.29
17	TCPI	2019	Rp 972,877,000,000.00	Rp 976,285,000,000.00	1.00
		2020	Rp 771,851,000,000.00	Rp 936,229,000,000.00	0.82
		2021	Rp 762,722,000,000.00	Rp 954,930,000,000.00	0.80
		2022	Rp 702,956,000,000.00	Rp 859,876,000,000.00	0.82
		2023	Rp 800,686,000,000.00	Rp 889,080,000,000.00	0.90
18	TEBE	2019	Rp 161,552,193,000.00	Rp 120,301,292,000.00	1.34
		2020	Rp 82,923,190,000.00	Rp 78,671,662,000.00	1.05
		2021	Rp 291,282,052,000.00	Rp 116,195,378,000.00	2.51
		2022	Rp 454,419,703,000.00	Rp 235,004,804,000.00	1.93
		2023	Rp 449,977,658,000.00	Rp 47,641,053,000.00	9.45
19	UNIQ	2019	Rp 141,222,184,578.00	Rp 212,199,860,559.00	0.67
		2020	Rp 179,504,843,132.00	Rp 209,753,907,011.00	0.86
		2021	Rp 149,806,535,419.00	Rp 154,573,090,834.00	0.97
		2022	Rp 220,936,447,009.00	Rp 161,699,220,994.00	1.37
		2023	Rp 260,626,815,840.00	Rp 235,683,736,954.00	1.11
20	WOWS	2019	Rp 421,437,294,531.00	Rp 164,587,029,014.00	2.56
		2020	Rp 356,617,698,072.00	Rp 111,571,386,583.00	3.20
		2021	Rp 308,251,271,996.00	Rp 68,972,744,633.00	4.47
		2022	Rp 327,996,302,689.00	Rp 132,566,823,714.00	2.47
		2023	Rp 292,724,689,556.00	Rp 99,115,336,099.00	2.95
21	BYAN	2019	Rp 7,328,608,421,680.00	Rp 8,194,117,555,715.00	0.89
		2020	Rp 10,850,623,931,420.00	Rp 3,338,589,463,300.00	3.25
		2021	Rp 22,313,366,203,759.00	Rp 7,125,856,695,800.00	3.13
		2022	Rp 37,761,057,941,247.00	Rp 28,811,650,951,875.00	1.31
		2023	Rp 29,308,808,476,840.00	Rp 20,635,829,327,056.00	1.42
22	DEWA	2019	Rp 2,811,579,298,710.00	Rp 2,779,234,305,120.00	1.01
		2020	Rp 3,112,448,328,535.00	Rp 2,790,616,687,495.00	1.12
		2021	Rp 2,571,326,886,585.00	Rp 3,155,160,298,945.00	0.81
		2022	Rp 2,584,964,184,871.00	Rp 3,630,042,048,054.00	0.71
		2023	Rp 2,906,789,518,000.00	Rp 4,192,286,412,000.00	0.69

NO	KODE	TAHUN	AKTIVA LANCAR	KEWAJIBAN LANCAR	LIKUIDITAS
23	DOID	2019	Rp 6,650,643,542,725.00	Rp 3,629,913,780,675.00	1.83
		2020	Rp 5,185,282,272,170.00	Rp 3,108,010,768,590.00	1.67
		2021	Rp 10,602,875,378,430.00	Rp 7,457,676,924,007.00	1.42
		2022	Rp 10,259,485,424,460.00	Rp 6,598,576,385,750.00	1.55
		2023	Rp 15,805,777,342,368.00	Rp 8,143,986,339,888.00	1.94
24	DSSA	2019	Rp 12,204,819,550,105.00	Rp 9,413,504,495,850.00	1.30
		2020	Rp 15,866,944,242,240.00	Rp 10,219,137,185,530.00	1.55
		2021	Rp 18,019,117,461,946.00	Rp 10,588,097,441,065.00	1.70
		2022	Rp 35,661,209,244,611.00	Rp 26,230,471,897,300.00	1.36
		2023	Rp 21,316,315,323,112.00	Rp 12,728,480,545,000.00	1.67
25	GEMS	2019	Rp 5,187,308,751,625.00	Rp 3,921,157,135,350.00	1.32
		2020	Rp 5,752,819,233,070.00	Rp 4,663,439,333,280.00	1.23
		2021	Rp 6,829,775,868,072.00	Rp 6,689,160,879,483.00	1.02
		2022	Rp 11,394,274,270,408.00	Rp 7,444,837,391,924.00	1.53
		2023	Rp 12,979,873,974,296.00	Rp 9,486,661,174,096.00	1.37
26	GTBO	2019	Rp 24,429,761,265.00	Rp 53,452,843,990.00	0.46
		2020	Rp 24,823,840,860.00	Rp 57,626,781,485.00	0.43
		2021	Rp 47,060,403,401.00	Rp 85,517,019,510.00	0.55
		2022	Rp 154,673,704,634.00	Rp 76,446,603,565.00	2.02
		2023	Rp 311,906,886,968.00	Rp 223,474,714,144.00	1.40
27	HITS	2019	Rp 466,898,688,620.00	Rp 644,635,511,520.00	0.72
		2020	Rp 555,233,973,385.00	Rp 955,514,422,590.00	0.58
		2021	Rp 685,751,588,201.00	Rp 821,343,086,443.00	0.83
		2022	Rp 1,020,378,997,627.00	Rp 956,404,717,412.00	1.07
		2023	Rp 1,342,358,420,808.00	Rp 741,358,523,200.00	1.81
28	HRUM	2019	Rp 4,067,739,610,025.00	Rp 441,071,418,060.00	9.22
		2020	Rp 3,518,574,369,310.00	Rp 349,262,198,740.00	10.07
		2021	Rp 3,895,181,320,186.00	Rp 1,267,564,857,003.00	3.07
		2022	Rp 8,168,952,736,141.00	Rp 3,550,773,051,393.00	2.30
		2023	Rp 6,664,311,564,008.00	Rp 3,959,510,048,456.00	1.68
29	INDY	2019	Rp 20,190,275,662,830.00	Rp 10,034,454,073,280.00	2.01
		2020	Rp 19,663,988,365,385.00	Rp 9,982,303,924,775.00	1.97
		2021	Rp 32,908,471,144,622.00	Rp 17,866,701,847,976.00	1.84
		2022	Rp 31,506,634,856,242.00	Rp 18,545,693,856,939.00	1.70
		2023	Rp 22,878,923,785,432.00	Rp 15,146,063,635,512.00	1.51
30	KKGI	2019	Rp 552,874,672,350.00	Rp 254,360,401,750.00	2.17
		2020	Rp 466,666,816,525.00	Rp 152,956,086,920.00	3.05
		2021	Rp 789,885,758,550.00	Rp 326,556,745,724.00	2.42
		2022	Rp 1,465,878,589,439.00	Rp 567,351,540,268.00	2.58
		2023	Rp 1,795,367,647,456.00	Rp 754,054,801,648.00	2.38
31	LEAD	2019	Rp 294,492,582,475.00	Rp 211,640,052,260.00	1.39
		2020	Rp 276,975,173,930.00	Rp 85,412,869,815.00	3.24
		2021	Rp 373,389,002,432.00	Rp 112,626,346,196.00	3.32
		2022	Rp 399,616,276,217.00	Rp 134,052,188,430.00	2.98
		2023	Rp 423,352,449,992.00	Rp 179,181,540,024.00	2.36
32	MBAP	2019	Rp 1,863,139,549,180.00	Rp 517,018,422,375.00	3.60
		2020	Rp 1,772,295,393,960.00	Rp 473,368,003,290.00	3.74
		2021	Rp 3,267,274,505,328.00	Rp 821,395,618,952.00	3.98
		2022	Rp 4,090,661,316,232.00	Rp 763,489,191,792.00	5.36
		2023	Rp 2,918,039,394,770.00	Rp 779,625,375,338.00	3.74
33	MBSS	2019	Rp 817,947,976,755.00	Rp 220,350,806,585.00	3.71
		2020	Rp 758,547,392,785.00	Rp 359,736,529,425.00	2.11
		2021	Rp 699,259,231,585.00	Rp 94,245,600,825.00	7.42
		2022	Rp 1,760,628,432,988.00	Rp 249,548,844,348.00	7.06
		2023	Rp 2,497,525,980,456.00	Rp 192,370,097,600.00	12.98

## LAMPIRAN 11

## AKUMULASI PERHITUNGAN MODEL ALTMAN Z-SCORE

Z-SCORE							HASIL PREDIKSI					Real Condition 2023	Kategori
KODE	2019	2020	2021	2022	average	2023	2019	2020	2021	2022	average		Akurasi
AKRA	2.8212	4.0462	3.1824	3.9375	3.49683	3.9522	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
ANTM	3.0492	3.1065	4.4319	5.8936	4.1203	6.2217	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
ARII	-4.7295	-5.7222	-2.7807	-1.0218	-3.5636	-1.7436	Distress	Distress	Distress	Distress	Distress	Distress	1
BESS	0.1448	2.0959	4.3238	3.7149	2.56985	8.4024	Distress	Grey Area	Non Distress	Non Distress	Grey Area	Non Distress	0
BSSR	4.9039	6.0695	8.3899	8.2235	6.8967	7.4259	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
ELSA	3.9187	3.8609	4.1996	3.6317	3.90273	3.6917	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
INPS	-1.771	-2.5509	-5.0726	-7.7968	-4.2978	-2.5792	Distress	Distress	Distress	Distress	Distress	Distress	1
KOPI	-0.135	-0.3638	0.2519	0.0703	-0.0442	-0.838	Distress	Distress	Distress	Distress	Distress	Distress	1
MITI	-24.707	-34.993	6.2225	7.3468	-11.533	11.2204	Distress	Distress	Non Distress	Non Distress	Distress	Non Distress	0
PKPK	-3.92	-2.6525	-2.9064	-7.5784	-4.2643	36.073	Distress	Distress	Distress	Distress	Distress	Non Distress	0
PTBA	6.0942	4.8691	6.774	7.1354	6.21818	4.0512	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
RUIS	1.7409	1.8038	2.1423	2.6523	2.08483	2.9233	Grey Area	Grey Area	Grey Area	Non Distress	Grey Area	Non Distress	0
SGER	2.2053	3.2873	4.5046	4.5627	3.63998	4.2595	Grey Area	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
SMMT	1.9956	1.349	6.9606	10.2196	5.1312	6.523	Grey Area	Grey Area	Non Distress	Non Distress	Non Distress	Non Distress	1
SMRU	-1.1426	-4.7922	-8.9224	0.9283	-3.4822	0.4013	Distress	Distress	Distress	Distress	Distress	Distress	1
SURE	-2.5543	3.6343	2.6504	1.4059	1.28408	1.8527	Distress	Non Distress	Non Distress	Grey Area	Grey Area	Grey Area	1
TCPI	2.0334	1.5078	1.746	2.2734	1.89015	2.5842	Grey Area	Grey Area	Grey Area	Grey Area	Grey Area	Grey Area	1
TEBE	4.5695	4.821	8.739	9.3496	6.86978	23.8259	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
UNIQ	1.8839	2.3546	3.3854	4.4078	3.00793	3.3149	Grey Area	Grey Area	Non Distress	Non Distress	Non Distress	Non Distress	1
WOWS	5.3629	5.9954	5.7851	5.4011	5.63613	5.761	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
BYAN	3.4808	6.5701	12.7117	8.5338	7.8241	7.3318	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
DEWA	0.3393	0.9709	0.3583	-0.4969	0.2929	0.1632	Distress	Distress	Distress	Distress	Distress	Distress	1
DOID	1.9554	1.4494	1.1793	1.5432	1.53183	2.3458	Grey Area	Grey Area	Grey Area	Grey Area	Grey Area	Grey Area	1
DSSA	2.0944	2.9268	4.2162	3.9184	3.28895	7.0538	Grey Area	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
GEMS	3.0763	2.967	4.8192	8.779	4.91038	6.7714	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
GTBO	3.5333	3.2913	3.0107	5.5432	3.84463	5.1809	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
HITS	1.0068	0.3698	0.0909	1.4353	0.7257	2.2888	Distress	Distress	Distress	Grey Area	Distress	Grey Area	0
HRUM	14.3678	16.3027	6.468	9.0247	11.5408	5.8548	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
INDY	2.2909	1.7763	3.3084	4.8183	3.04848	3.3714	Grey Area	Grey Area	Non Distress	Non Distress	Non Distress	Non Distress	1
KKGI	7.4928	7.6001	9.3201	10.1795	8.64813	8.6588	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
LEAD	-0.5434	-0.0364	0.0278	-0.3629	-0.2287	-0.598	Distress	Distress	Distress	Distress	Distress	Distress	1
MBAP	10.1872	9.9808	13.1591	16.6477	12.4937	10.0892	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
MBSS	6.7737	6.2339	24.5163	13.6515	12.7939	12.7149	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
AKUMULASI PREDIKSI													28
TINGKAT AKURASI DAN ERROR													85%

## LAMPIRAN 12

## AKUMULASI PERHITUNGAN MODEL SPRINGATE

S-SCORE							HASIL PREDIKSI					Real Condition	Kategori
KODE	2019	2020	2021	2022	average	2023	2019	2020	2021	2022	average	2023	Akurasi
AKRA	0.7019	0.9016	0.8459	1.4012	0.96265	1.315	Distress	Non Distress	Distress	Non Distress	Non Distress	Non Distress	1
ANTM	0.6699	0.6991	1.2188	1.7737	1.09038	1.2321	Distress	Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
ARII	-0.5529	-0.7938	-0.0718	0.4538	-0.2412	0.0582	Distress	Distress	Distress	Distress	Distress	Distress	1
BESS	0.2046	0.7942	1.5023	0.7008	0.80048	1.4309	Distress	Distress	Non Distress	Distress	Distress	Non Distress	0
BSSR	1.652	1.5598	3.7678	4.6553	2.90873	3.8637	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
ELSA	1.0271	0.8849	0.8757	1.0218	0.95238	1.0318	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
INPS	0.0489	-0.2537	-0.641	-1.2529	-0.5247	-0.3646	Distress	Distress	Distress	Distress	Distress	Distress	1
KOPI	1.0061	0.6604	0.89	0.6443	0.8002	0.2724	Non Distress	Distress	Non Distress	Distress	Distress	Distress	1
MITI	-15.229	-28.825	0.9722	0.7149	-10.592	1.7659	Distress	Distress	Non Distress	Distress	Distress	Non Distress	0
PKPK	-71.773	0.2486	-1.9209	-0.7371	-18.546	0.2038	Distress	Distress	Distress	Distress	Distress	Distress	1
PTBA	2.0185	1.4436	2.4212	2.7837	2.16675	1.7205	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
RUIS	0.7078	0.6763	0.691	0.7966	0.71793	0.8111	Distress	Distress	Distress	Distress	Distress	Distress	1
SGER	1.1512	1.7115	2.4737	2.4282	1.94115	2.1545	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
SMMT	0.102	-0.1605	2.5921	3.478	1.5029	2.3252	Distress	Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
SMRU	-0.6741	-1.4922	-1.3009	-0.4782	-0.9864	-0.9619	Distress	Distress	Distress	Distress	Distress	Distress	1
SURE	-0.2139	0.2111	-0.5775	-0.6863	-0.3167	1.9694	Distress	Distress	Distress	Distress	Distress	Non Distress	0
TCPI	0.7522	0.2869	0.3603	0.4608	0.46505	0.5348	Distress	Distress	Distress	Distress	Distress	Distress	1
TEBE	0.7831	0.0752	2.1457	2.5991	1.40078	5.5025	Distress	Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
UNIQ	0.2672	0.1881	0.1003	0.7721	0.33193	0.7122	Distress	Distress	Distress	Distress	Distress	Distress	1
WOWS	0.6017	0.413	-0.0729	0.0892	0.25775	0.4891	Distress	Distress	Distress	Distress	Distress	Distress	1
BYAN	1.4887	2.6815	5.3019	3.9785	3.36265	2.8448	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
DEWA	0.291	0.265	0.2454	0.0303	0.20793	0.2171	Distress	Distress	Distress	Distress	Distress	Distress	1
DOID	0.6651	0.2529	0.3747	0.6907	0.49585	0.8386	Distress	Distress	Distress	Distress	Distress	Distress	1
DSSA	0.4753	0.3394	1.2083	1.8685	0.97288	2.9699	Distress	Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
GEMS	1.3187	1.353	3.1982	4.9603	2.70755	3.3932	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
GTBO	-0.8477	-0.3095	-0.0528	1.8211	0.15278	0.9476	Distress	Distress	Distress	Non Distress	Distress	Non Distress	0
HITS	0.5462	0.2398	-0.1896	0.5335	0.28248	0.592	Distress	Distress	Distress	Distress	Distress	Distress	1
HRUM	1.5444	2.6961	1.8431	3.0621	2.28643	1.5076	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
INDY	0.6091	0.2605	1.3087	2.1473	1.0814	0.9502	Distress	Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
KKGI	1.0251	-0.357	2.4978	3.0548	1.55518	2.0615	Non Distress	Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
LEAD	-0.4231	-0.1421	-0.0261	-0.349	-0.2351	-0.1791	Distress	Distress	Distress	Distress	Distress	Distress	1
MBAP	2.6971	2.329	4.2581	6.7224	4.00165	1.825	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
MBSS	0.4446	-0.3614	1.9357	2.2012	1.05503	2.335	Distress	Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
AKUMULASI PREDIKSI													29
TINGKAT AKURASI DAN ERROR													88%

## LAMPIRAN 13

## AKUMULASI PERHITUNGAN MODEL ZMIJEWSKI

X-SCORE							HASIL PREDIKSI					Real Condition 2023	Kategori
KODE	2019	2020	2021	2022	average	2023	2019	2020	2021	2022	average		Akurasi
AKRA	-1.433	-2.0585	-1.562	-1.7739	-1.70685	-1.7094	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
ANTM	-2.0578	-2.1882	-2.47	-3.1371	-2.46328	-3.0782	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
ARII	0.6092	0.7488	0.7841	0.2435	0.5964	0.6236	Distress	Distress	Distress	Distress	Distress	Distress	1
BESS	-0.6768	-1.8866	-3.0458	-2.5625	-2.04293	-3.8584	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
BSSR	-3.0245	-3.2485	-4.0349	-4.3759	-3.67095	-3.7771	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
ELSA	-1.8375	-1.5743	-1.6513	-1.4545	-1.6294	-1.4632	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
INPS	-0.2425	0.0216	0.4515	2.1355	0.591525	0.9914	Non Distress	Distress	Distress	Distress	Distress	Distress	1
KOPI	-2.1297	-1.3134	-2.3367	-0.8928	-1.66815	-0.2933	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
MITI	9.4782	2.5938	-3.0724	-3.4848	1.3787	-4.0736	Distress	Distress	Non Distress	Non Distress	Distress	Non Distress	0
PKPK	2.2812	-1.9705	-2.1263	2.3968	0.1453	-4.1526	Distress	Non Distress	Non Distress	Distress	Distress	Non Distress	0
PTBA	-3.3303	-3.0726	-3.4379	-3.5106	-3.33785	-2.5072	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
RUIS	-0.6955	-0.6306	-0.809	-1.0288	-0.79098	-0.9874	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
SGER	-0.1561	-0.746	-1.3433	-1.1063	-0.83793	-1.1212	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
SMMT	-2.4571	-2.1324	-4.1109	-5.0373	-3.43443	-4.2689	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
SMRU	-0.7339	0.5448	1.2598	0.2978	0.342125	0.1912	Non Distress	Distress	Distress	Distress	Distress	Distress	1
SURE	0.5808	-1.6841	-1.3671	-0.9217	-0.84803	-0.6434	Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
TCPI	-1.6631	-1.6625	-1.8203	-2.1316	-1.81938	-2.2499	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
TEBE	-2.6199	-2.488	-4.0321	-4.4669	-3.40173	-3.5388	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
UNIQ	-1.472	-1.4983	-2.2443	-2.3026	-1.8793	-1.9278	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
WOWS	-2.8778	-3.0452	-2.8739	-2.898	-2.92373	-3.0188	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
BYAN	-2.1893	-2.6019	-5.3164	-4.1129	-3.55513	-3.5522	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
DEWA	-1.0649	-1.4067	-1.3518	-1.3834	-1.3017	-0.9263	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
DOID	-0.0384	-0.0411	0.4679	0.3821	0.192625	0.4769	Non Distress	Non Distress	Distress	Distress	Distress	Distress	1
DSSA	-1.2026	-1.6392	-2.3178	-2.1694	-1.83225	-3.0799	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
GEMS	-1.6061	-1.5828	-2.7006	-4.1979	-2.52185	-3.2998	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
GTBO	-2.6779	-2.7506	-2.6973	-3.4865	-2.90308	-3.1601	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
HITS	-0.6529	-0.4884	0.0369	-0.803	-0.47685	-1.0206	Non Distress	Non Distress	Distress	Non Distress	Non Distress	Non Distress	1
HRUM	-3.9348	-4.3825	-3.3636	-4.3684	-4.01233	-3.246	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
INDY	-0.2627	0.1104	-0.0491	-1.3719	-0.39333	-1.3459	Non Distress	Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
KKGI	-3.0141	-2.6717	-3.6585	-3.7606	-3.27623	-3.1716	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
LEAD	0.1189	-0.052	0.0059	0.3473	0.105025	0.5301	Distress	Non Distress	Distress	Distress	Distress	Distress	1
MBAP	-3.7511	-3.6237	-4.7949	-5.9083	-4.5195	-3.3317	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
MBSS	-3.1435	-2.8494	-4.3635	-4.2016	-3.6395	-3.9643	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
AKUMULASI PREDIKSI													31
TINGKAT AKURASI DAN ERROR													94%

## LAMPIRAN 14

## AKUMULASI PERHITUNGAN MODEL GROVER

G-SCORE							HASIL PREDIKSI					Real Condition	Kategori
KODE	2019	2020	2021	2022	average	2023	2019	2020	2021	2022	average	2023	Akurasi
AKRA	0.3596	0.541	0.4564	0.7216	0.51965	0.7782	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
ANTM	0.2642	0.3167	0.6316	0.8673	0.51995	0.8067	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
ARII	-0.8928	-1.1489	-0.3136	0.1244	-0.5577	-0.2107	Distress	Distress	Distress	Non Distress	Distress	Distress	1
BESS	-0.07	0.3436	0.7147	0.3863	0.34365	0.6846	Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
BSSR	0.708	0.8074	2.5197	2.8367	1.71795	2.1393	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
ELSA	0.5947	0.5877	0.5958	0.573	0.5878	0.6088	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
INPS	-0.3954	-0.5903	-1.1951	-1.8504	-1.0078	-1.1033	Distress	Distress	Distress	Distress	Distress	Distress	1
KOPI	0.5173	0.347	0.4578	0.3769	0.42475	0.0573	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
MITI	-5.0358	-1.1968	0.9605	0.6509	-1.1553	1.0439	Distress	Distress	Non Distress	Non Distress	Distress	Non Distress	0
PKPK	-0.1109	0.1858	0.1405	-0.7248	-0.1274	1.3336	Distress	Non Distress	Non Distress	Distress	Distress	Non Distress	0
PTBA	1.2121	0.824	1.5259	1.7769	1.33473	0.9961	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
RUIS	0.222	0.2346	0.2575	0.3521	0.26655	0.4164	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
SGER	0.4926	0.7108	1.2971	1.2895	0.9475	1.2091	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
SMMT	-0.0215	-0.1582	1.0937	1.4118	0.58145	1.029	Distress	Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
SMRU	-0.2878	-1.0724	-1.6372	-0.9738	-0.9928	-1.4407	Distress	Distress	Distress	Distress	Distress	Distress	1
SURE	-0.539	0.6609	0.4033	0.1746	0.17495	0.8562	Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
TCPI	0.3552	0.0304	0.0779	1.1401	0.1509	0.2279	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
TEBE	0.3747	0.0569	1.05	1.4447	0.73158	1.5182	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
UNIQ	-0.0297	-0.0171	-0.0469	0.4602	0.09163	0.3561	Distress	Grey Area	Distress	Non Distress	Non Distress	Non Distress	1
WOWS	0.6825	0.5963	0.4468	0.3911	0.52918	0.589	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
BYAN	0.8107	1.4996	2.9963	2.8454	2.038	1.9463	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
DEWA	0.0888	0.1268	0.0065	-0.2466	-0.0061	-0.19	Non Distress	Non Distress	Grey Area	Distress	Grey Area	Distress	0
DOID	0.4567	0.2209	0.2753	0.3893	0.33555	0.6044	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
DSSA	0.2668	0.2781	0.7464	1.064	0.58883	1.674	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
GEMS	0.6856	0.7473	1.9738	3.1432	1.63748	2.1204	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
GTBO	-0.2554	-0.0866	-0.0265	0.6135	0.06125	0.4824	Distress	Distress	Distress	Non Distress	Non Distress	Non Distress	1
HITS	0.2054	-0.0168	-0.1818	0.2827	0.07238	0.4337	Non Distress	Grey Area	Distress	Non Distress	Non Distress	Non Distress	1
HRUM	1.202	1.2404	0.8704	1.7117	1.25613	0.7844	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
INDY	0.4365	0.2841	0.9477	1.3945	0.7657	0.5844	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
KKGI	0.5504	0.1004	1.3019	1.7757	0.9321	1.279	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
LEAD	-0.0659	0.1575	0.2058	0.1208	0.10455	0.1255	Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
MBAP	1.7343	1.5935	2.77	3.7762	2.4685	1.5102	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
MBSS	0.4058	0.0336	0.648	1.2597	0.58678	1.3967	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	Non Distress	1
AKUMULASI PREDIKSI													30
TINGKAT AKURASI DAN ERROR													91%