

**PENGARUH KEPEMILIKAN MANAJERIAL, UKURAN PERUSAHAAN
DAN *FINANCIAL LEVERAGE* TERHADAP TINDAKAN PERATAAN
LABA PADA PERUSAHAAN YANG TERDAFTAR DI BURSA
EFEK INDONESIA**

**(Studi Kasus Pada Perusahaan Pertambangan Dan Pertanian Yang
Terdaftar di BEI Periode 2019-2023)**

SKRIPSI

Diajukan Untuk Memenuhi Syarat Mencapai Gelar Sarjana
Pada Program Sarjana(S1)Fakultas Ekonomi Dan Bisnis
Universitas Islam Sumatera Utara

DIAJUKAN OLEH :

NAMA : SITI HAMIDAH TULHAM DIYAH HSB
NPM : 71210313005
PROGRAM PENDIDIKAN : STRATA SATU (S1)
PROGRAM STUDI : AKUNTANSI
KONSENTRASI : KEUANGAN



UNIVERSITAS ISLAM SUMATERA UTARA

FAKULTAS EKONOMI DAN BISNIS

MEDAN

2025



UNIVERSITAS ISLAM SUMATERA UTARA

FAKULTAS EKONOMI DAN BISNIS

Kampus Jl. Sisingamangaraja – Teladan Medan 20217

Telp: (061) 7869880 Fax: (061) 7868990

Bismillahirrohmanirrohim
PENGESAHAN SKRIPSI

Panitia Ujian Strata 1 Fakultas Ekonomi dan Bisnis Universitas Islam Sumatera Utara dalam ujian siding meja hijau yang diselenggarakan pada hari kamis, tanggal 31 Juli 2025, Pkl. 09:00 WIB, sampai dengan selesai, setelah mendengar, melihat, memperhatikan dan seterusnya.

MEMUTUSKAN

Nama : Siti Hamidah Tulham Diyah Hsb
Npm : 71210313005
Jenjang Program : Strata 1 (S1)
Program Studi : Akuntansi
Judul Skripsi : Pengaruh Kepemilikan Manajerial, Ukuran Perusahaan Dan *Financial Leverage* Terhadap tindakan Perataan Laba Pada Perusahaan Yang Terdaftar Di Bursa Efek Indonesia (Studi Kasus Pada Perusahaan Pertambangan Dan Pertanian Yang Terdaftar Di BEI Periode 2019-2023)
Dinyatakan : Lulus dan telah memenuhi persyaratan untuk memperoleh Gelar Sarjana pada Fakultas Ekonomi dan Bisnis Universitas Islam Sumatera Utara

Disetujui Oleh
Panitia Ujian

Ketua

sekretaris

(Dr.Supriadi, S.E.,M.M.,M.Si)

(Heny Triastuti K, S.E.,M.Si)

Disetujui Oleh
Ketua Sidang

(Dr.Sri Gustina Pane, S.E.,M.Si)

Pembimbing I

Pembimbing II

(Ramadona Simbolon.,S.E.,M.Si., Ph.d)

(Shofwan Andri,S.E.,AK.,M.M)

KATA PENGANTAR

Bismillahirrahmanirrahim

Alhamdulillah, Puji syukur penulis panjatkan kehadirat Allah SWT karna berkat rahmat dan ridho nya penulis dapat menyelesaikan penyusunan skripsi ini. Shalawat berangkai kan salam semoga senantiasa terlimpah curahkan kepada Nabi Muhammad SAW.

Penulisan skripsi ini dibuat untuk memenuhi salah satu persyaratan untuk memperoleh gelar Sarjana Strata 1 pada Prodi Akuntansi Fakultas Ekonomi Dan Bisnis Universitas Islam Sumatera Utara. Selain itu, skripsi ini juga dibuat sebagai salah satu wujud implementasi dari ilmu yang didapatkan selama masa perkuliahan di Prodi Akuntansi Fakultas Ekonomi Dan Bisnis Universitas Islam Sumatera Utara.

Skripsi ini berjudul “Pengaruh Kepemilikan Manajerial, Ukuran Perusahaan dan *Financial Leverage* Terhadap Tindakan Perataan Laba Pada Perusahaan yang Terdaftar di Bursa Efek Indonesia (Studi Kasus Pada Perusahaan Pertambangan dan Pertanian yang Terdaftar di BEI Periode 2019-2023)”. Penulis menyadari bahwa skripsi masih jauh dari kata sempurna. Oleh karena itu, penulis berharap dapat belajar lebih banyak lagi dalam mengimplementasikan ilmu yang didapatkan. Skripsi ini tentunya tidak lepas dari bimbingan, masukan, dan arahan dari berbagai pihak. Oleh karena itu, pada kesempatan ini saya ingin mengucapkan terima kasih yang sebesar-besarnya kepada :

1. Ibu Dr. Hj. Safrida.,S.E.,M.Si selaku Rektor Universitas Islam Sumatera Utara.
2. Bapak Dr. Supriadi.,S.E.,M.M.,M.Si selaku Dekan Fakultas Ekonomi Dan Bisnis Universitas Islam Sumatera Utara.

3. Ibu Heny Triastuti Kurnia Ningsih., S.E.,M.Si sebagai Ketua Progam Studi Akuntansi Fakultas Ekonomi dan Bisnis UISU, sekaligus
4. Bapak Ramadona Simbolon .,S.E.,M.Si., Ph.d sebagai pembimbing I yang telah membimbing dan membantu penulis dalam penelitian ini.
5. Bapak Shofwan Andri, S.E.,AK.,M.M selaku pembimbing II yang telah membimbing dan membantu penulis dalam penelitian ini.
6. Bapak/ Ibu dosen dan staff UISU Fakultas Ekonomi Dan Bisnis UISU untuk segala jasa dan pembelajaran yang telah diberikan kepada penulis selama masa perkuliahan.
7. Teristimewa kepada kedua orang tua saya Mahmud Hasibuan dan Ernawati Siregar dan saudara / I saya sebagai sumber semangat dan motivasi kehidupan yang telah memberikan dukungan moral serta doa kepada penulis.
8. Teruntuk penyemangat tersayang saya yang telah banyak membantu dan mensupport selama perjuangan proposal ini. Dan untuk teman seperjuangan saya, teman masa kecil saya Arnisa Harahap penulis mengucapkan banyak terima kasih atas kebersamaan dan dukungan selama ini.

Semoga karya tulis saya ini bermanfaat dan dapat memberikan sumbangan yang berarti bagi pihak yang membutuhkan. Atas perhatian dan bantuan dari semua pihak penulis ucapkan terima kasih.

Medan, Juli 2025
Penulis

SITI HAMIDAH TULHAM DIYAH HSB
NPM 71210313005

DAFTAR ISI

ABSTRAK	i
ABSTRACT	ii
KATA PENGANTAR	iii
DAFTAR ISI	v
DAFTAR TABEL	vii
DAFTAR GAMBAR	viii
BAB I PENDAHULUAN	1
1.1. Latar Belakang	1
1.2. Identifikasi Masalah	5
1.3. Rumusan Masalah	5
1.4. Tujuan Penelitian	6
1.5. Manfaat Penelitian	6
BAB II LANDASAN TEORI	8
2.1. Uraian Teoritis	8
2.1.1. Teori Keagenan (agency theory).....	8
2.1.2. Perataan Laba (income smooting).....	9
2.1.3. Ukuran Perusahaan	11
2.1.4. Leverage	14
2.1.5. Kepemilikan Manajerial	16
2.2. Hasil Penelitian Terdahulu	17
2.3. Kerangka Pemikiran	23
2.4. Perumusan Hipotesa	24
BAB III METODE PENELITIAN	29
3.1. Lokasi, Objek dan Waktu Penelitian	29
3.2. Populasi dan Sampel	30
3.3. Operasional Variabel Penelitian	33
3.4. Teknik Pengumpulan Data	36
3.5. Teknik Analisis Data	36

BAB IV GAMBARAN UMUM PERUSAHAAN	41
4.1. Gambaran Umum Bursa Efek Indonesia	41
4.1.1. Sejarah Perkembangan Bursa Efek Indonesia	41
4.1.2. Produk dan Layanan Bursa Efek Indonesia	42
4.2. Gambaran Umum Perusahaan Pertambangan	45
4.2.1. Sejarah Singkat Perusahaan Pertambangan	46
4.2.2. Aktivitas Perusahaan Pertambangan	48
4.3. Gambaran Umum Perusahaan Pertanian	52
4.3.1. Sejarah Perkembangan Perusahaan Pertanian	52
4.3.2. Aktivitas Perusahaan Pertanian	53
BAB V HASIL DAN PEMBAHASAN	56
5.1. Hasil Penelitian	56
5.1.1. Hasil Uji Statistik Deskriptif	56
5.1.2. Hasil Analisis Regresi Logistik	58
5.2. Pembahasan	63
BAB VI KESIMPULAN DAN SARAN	70
6.1. Kesimpulan	70
6.2. Saran	70
DAFTAR PUSTAKA	
LAMPIRAN	

DAFTAR TABEL

Tabel 1.1 Laba Setelah Pajak	2
Tabel 2.1 Hasil Penelitian Terdahu.....	19
Tabel 3.1. Rencana Kegiatan Penelitian.....	26
Tabel 3.2 Kriteria Pengambilan Sampel.....	27
Tabel 3.3 Daftar Sampel Perusahaan.....	27
Tabel 4.1 Statistik Deskriptif Variabel Penelitian	56
Tabel 4.2 Persentase Praktik Perataan Laba	57
Tabel 4.3 Hasil Uji <i>Hosmer And Lemeshow Goodness Of Fit</i>	59
Tabel 4.4 Hasil Uji Determinasi (<i>Nagelkerke R Square</i>)	60
Tabel 4.5 Matriks Klasifikasi	61
Tabel 4.6 Hasil Uji Hipotesis	62

DAFTAR GAMBAR

Gambar 2.1 Kerangka Pemikiran.....	23
------------------------------------	----

DAFTAR PUSTAKA

- Alexandra, V. V. (2024). Pengaruh Ukuran Perusahaan, Leverage, dan Net Profit Margin (NPM) terhadap Perataan Laba (Income Smoothing) pada Perusahaan Keuangan yang Terdaftar di BEI. *Jurnal Profiet*, 5(2), 315-326.
- Ambarwati, S. (2022). Pengaruh Profitabilitas, Kompensasi Bonus Dan Ukuran Perusahaan Terhadap Praktik Perataan Laba. *Jurnal Ekonomi*, 27(2), 174-190.
- Bora, S. A., & Iswara, U. S. (2025). Peran Kepemilikan Manajerial Dalam Memoderasi Pengaruh Ukuran Perusahaan, Profitabilitas, Dan Leverage Terhadap Manajemen Laba. *Jurnal Ilmu dan Riset Akuntansi (JIRA)*, 14(4).
- Burhan, M. C., & Malau, H. (2021). Pengaruh Kepemilikan Institusional, Ukuran Dan Umur Perusahaan Terhadap Praktik Perataan Laba (Studi Kasus Pada Perusahaan BUMN Yang Terdaftar Di Bursa Efek Indonesia Tahun 2017-2019). *Akuntansi: Jurnal Akuntansi Integratif*, 7(1).
- Christian, H., & Sumantri, F. A. (2022). Pengaruh Kepemilikan Manajerial, Perencanaan Pajak, Ukuran Perusahaan, Leverage Terhadap Manajemen Laba (Studi Empiris Pada Perusahaan Consumer Goods Yang Terdaftar Di Bursa Efek Indonesia 2017-2020). *Nikamabi: Jurnal Ekonomi & Bisnis*, 1(2).
- Corolina. “Analisa Faktor-Faktor yang Berpengaruh Terhadap Perataan Laba(Income Smoothing) pada Perusahaan-perusahaan Go Public”, *Jurnal Jurusan Ekonomi akuntansi Universitas Kristeb Petra*, Vol. 7, No. 2, November : 148-162.
- Darno, D., & Gelatan, L. (2025). Pengaruh Financial Leverage, Profitability Dan Earning Per Share Terhadap Income Smoothing Dengan Corporate Governance Sebagai Moderasi Pada Perusahaan Perbankan Di Bei Periode 2020-2022. *Jurnal Ekonomi dan Bisnis*, 3(2), 348-388.
- Fahmi, Irham. 2014. Analisis Laporan Keuangan. Bandung: Alfabetha Fahmi, Irham. 2015. Pengantar Manajemen Keuangan. Bandung: Alfabetha
- Ghozali, Imam. 2013. Aplikasi Analisis Multivariate dengan Program IBM SPSS 21. Semarang: Universitas Diponegoro Horne,
- Gian Ramanel, T. P. S. (2018). Peran Financial Leverage, Ukuran Perusahaan dan Profitabilitas terhadap Income Smoothing. *Ekonomi Dan Bisnis*, 8(2), 211– 232.
- Gunawan, F., & Nuswandari, C. (2019). Likuiditas, Leverage, Fixed Assets Intensity, Arus Kas Operasi, dan Ukuran Perusahaan terhadap Pemilihan Model Revaluasi Aset Tetap (Studi Empiris Pada Perusahaan Manufaktur yang Terdaftar di Bursa Efek Indonesia Periode 2013-2017). *Dinamika Akuntansi Keuangan dan Perbankan*, 8(1).
- Hermawan, I. (2019). Metodologi Penelitian Pendidikan (pertama). Hidayatul Quran Kuningan

- Hery. (2017). Analisis Laporan Keuangan. PT. Grasido.
- Hidayah, Y. N., & Adi, S. W. (2024). Pengaruh Ukuran Perusahaan, Profitabilitas, Financial Leverage dan Net Profit Margin Terhadap Praktik Perataan Laba Pada Perusahaan Manufaktur (Studi Empiris pada Perusahaan Manufaktur yang Terdaftar pada Bursa Efek Indonesia Tahun 2018–2021). *Innovative: Journal Of Social Science Research*, 4(1), 98-111.
- Hidayat, I., & Adityaningsih, A. (2024). Pengaruh Ukuran Perusahaan, Umur Perusahaan, Leverage dan Profitabilitas Terhadap Manajemen Laba: Studi pada Perusahaan Pertambangan yang Terdaftar di Bursa Efek Indonesia Periode 2018-2020. *El-Mal: Jurnal Kajian Ekonomi & Bisnis Islam*, 5(2), 899-917.
- James G. Van dan Jhon M. Wachowicz. 2012. Prinsip-prinsip Manajemen Keuangan. Jakarta E- jurnal Akuntansi Universitas Udayana 8.2 (2014): 170-184. Selatan: Salemba Empat
- Kaifa, F. N., Mulyadi, M., & Rossa, E. (2025). Pengaruh Lverage, Earning Power dan Net Profit Margin Terhadap Manajemen Laba pada Perusahaan Property dan Real Estate yang Terdaftar di BEI Tahun 2019-2023. *Pusat Publikasi Ilmu Manajemen*, 3(2), 152-165.
- Kasmir. 2010. Analisis Laporan Keuangan. Jakarta: Kencana
- Kasmir. 2014. Pengantar Manajemen Keuangan. Jakarta: Rajawali
- Maharani, Luh Gede Putri. 2016. “Pengaruh Ukuran, Umur Perusahaan, Struktur Kepemilikan, Dan Profitabilitas Pada Pengungkapan Wajib Laporan Tahunan”, E- Jurnal Akuntansi Universitas Udayana, Vol. 41.1 Januari 2016: 34-52.
- Maotama, N. S., & Astika, I. B. P. (2020). Pengaruh profitabilitas, ukuran perusahaan, dan kepemilikan manajerial terhadap praktik perataan laba (Income Smoothing). *E-Jurnal Akuntansi*, 30(7), 1767.
- Marenda, N. A., Safari, M. D. E. T., & Pratiwi, L. I. (2025). Pengaruh Profitabilitas, Leverage, dan Likuiditas Terhadap Manajemen Laba Pada Perusahaan Sektor Food and Beverages Di Bei Periode Tahun 2019-2023. *Mabny: Journal of Sharia Management and Business*, 5(1), 27-40.
- Monica, H., & Sufiyati. (2017). Faktor-Faktor yang Mempengaruhi Income Smoothing. I(2), 399–407.
- Mulida, S. (2020). Pengaruh Ukuran Perusahaan, Net Profit Margin dan Financial Leverage Terhadap Praktik Perataan Laba. *Prisma (Platform Riset Mahasiswa Akuntansi)*, 1(6), 26-37.
- Mustikasari, D. (2024). Analisis Pengaruh Ukuran Perusahaan, Profitabilitas, Leverage Terhadap Perataan Laba Pada Perusahaan Food And Beverage Yang Terdaftar Di Bei. *Jurnal Ekonomika dan Bisnis*, 11(1), 149-162.
- Nadra, D. U. (2018). Metode Penelitian Kuantitatif dan Kualitatif Ekonomi dan

Bisnis. NUSA LITERA INSPIRASI.

- Nengsi, N. S. W. (2019). Pengaruh jenis usaha, ukuran perusahaan, umur perusahaan dan financial leverage terhadap perataan laba pada perusahaan manufaktur yang terdaftar di bursa efek indonesia (BEI) tahun 2012-2016. *Jurnal Ekobistek*, 28-37.
- Nugroho, S. A., Kuntari, Y., & Triani, T. (2021). Pengaruh Ukuran Perusahaan, Financial Leverage, Profitabilitas dan Nilai Saham pada Tindakan Perataan Laba: Studi Kasus pada Perusahaan Automotive and Components yang Terdaftar di Bursa Efek Indonesia Periode 2014–2018. *Jurnal Ilmiah Aset*, 23(1), 85-96.
- Pradnyandari, A. A. I. R., & Putra Astika, I. B. (2019). Pengaruh Ukuran Perusahaan, Nilai Saham, Financial Leverage, Profitabilitas Pada Tindakan Perataan Laba di Sektor Manufaktur. *E-Jurnal Akuntansi*, 27, 149. <https://doi.org/10.24843/eja.2019.v27.i01.p06>
- Putri, W. N., Nurhikmat, M., & Adha, S. (2025). Pengaruh Ukuran Perusahaan, Leverage, dan Kepemilikan Manajerial Terhadap Manajemen Laba (Studi pada Perusahaan Manufaktur Sub Sektor Makanan dan Minuman yang Terdaftar di BEI Periode 2018-2022). *Trending: Jurnal Manajemen dan Ekonomi*, 3(1), 320-329.
- Rahma, A., Santoso, S., & Abdurachman, T. A. (2024). Pengaruh Nilai Perusahaan, Profitabilitas, Reputasi Auditor, Dan Ukuran Perusahaan Terhadap Perataan Laba. *Jurnal Arastirma Universitas Pamulang*.
- Rahmawati, R., & Wujarso, R. (2021). Pengaruh Ukuran, Pertumbuhan, Dan Nilai Perusahaan Terhadap Tindakan Perataan Laba Pada Perusahaan Manufaktur. *Journal of Information System, Applied, Management, Accounting and Research*, 5(2), 379-389.
- Ramadhani, N., Lie, D., & Susanti, E. (2017). Analisis laporan arus kas untuk menilai kinerja keuangan pada pt handjaya mandala sampoerna, tbk. Yang terdaftar di bursa efek Indonesia. *Financial: Jurnal Akuntansi*, 3(1), 19-26.
- Riyadi, W. (2018). Pengaruh Cash Holding, Profitabilitas Dan Nilai Perusahaan Terhadap Income Smoothing. *Jurnal Ilmiah Manajemen Dan Akuntansi*, 5(1), 89–100.
- Sesilia, Y., Indra, A. Z., & Tubarad, C. P. T. (2021). Pengaruh Ukuran Perusahaan, Financial Leverage, Dividend Payout Ratio, Dan Nilai Perusahaan Terhadap Perataan LABa. *Jurnal Akuntansi dan Keuangan (JAK)*, 26(1), 80-92.
- Setyaningsih, T., Astuti, T. P., & Harjito, Y. (2021). Pengaruh Ukuran Perusahaan, Leverage, Dan Profitabilitas Terhadap Income Smoothing Pada Perusahaan Manufaktur Yang Terdaftar Di Bursa Efek Indonesia Periode 2014-2018. *Jurnal Ilmiah Edunomika*, 5(1), 34. <https://doi.org/10.29040/jie.v5i1.1468>

- Silvia, B., Ardiyani, K., & Priatiningsih, D. (2024). Pengaruh Profitabilitas, Leverage, Dan Ukuran Perusahaan Terhadap Income Smoothing (Perataan Laba) Dengan Kepemilikan Manajerial Sebagai Variabel Moderasi. *Journal of Accounting and Management's Student*, 1(2).
- Simanungkalit, B. S., Lumbanbatu, J. A., Siregar, A. D. P., & Abduh, A. (2025). Pengaruh Ukuran Perusahaan, Leverage, Profitabilitas, Dan Arus Kas Bebas Terhadap Manajemen Laba Pada Perusahaan Manufaktur Di Sektor Industri Yang Tercatat Di Bei Selama Periode 2020–2023. *Journal Accounting International Mount Hope*, 3(2), 193-205.
- Sirait, P. (2019). Analisis laporan keuangan (edisi 2). expert
- Siregar, Ir Syofian. (2013). Metode penelitian kuantitatif dilengkapi dengan 93 perbandingan perhitungan manual&SPSS (pertama). PT.Fajar Interpratama Mandiri.
- Sugiyono, 2016. Metode Penelitian Pendidikan Pendekatan Kuantitatif, Kualitatif, dan R&D. Bandung: Alfabetha
- Suhartono, S., & Hendraswari, V. (2020). Analisis Determinan Perataan Laba : Pendekatan Indeks Eckel. *Jurnal Akuntansi Dan Pajak*, 21(01), 152–163. <https://doi.org/10.29040/jap.v21i1.1064>
- Suherman, T., & Pohan, H. T. (2025). Pengaruh Leverage, Profitabilitas, Nilai Saham, Cash Holding, Dan Bonus Plan Pada Perataan Laba Dengan Moderasi Firm Size. *Jurnal Ekonomi Trisakti*, 5(1), 349-358.
- Sukamulja, sukrawati. (2019). Analisis Laporan Keuangan sebagai Dasar pengambilan keputusan investasi (F. M (ed.)). Penerbit ANDI.
- Sundari, M. T., & Hariyanto, D. (2021). Pengaruh Ukuran Perusahaan, Leverage dan Profitabilitas Terhadap Praktik Manajemen Laba pada Perusahaan Manufaktur Sektor Industri Barang Konsumsi yang Terdaftar di Bursa Efek Indonesia. *Jurnal Produktivitas: Jurnal Fakultas Ekonomi Universitas Muhammadiyah Pontianak*, 8(1).
- Supriyono, R. A. (2018). Akuntansi Keperilakuan. Yogyakarta: UGM PRESS.
- Utama, S., Amarullah, F., Siregar, S. V., Rahadian, Y., Utama, C. A., & Simanjuntak, J. (2023). *Tata Kelola Korporat di Indonesia: Teori, Prinsip, dan Praktik*. Penerbit Salemba.
- Utari, L. P. D. P., Kumalasari, P. D., & Endiana, I. D. M. (2024). Pengaruh Profitabilitas, Dividend Payout Ratio, Ukuran Perusahaan, Net Profit Margin, Resiko Keuangan Terhadap Praktik Perataan Laba Pada Perusahaan Manufaktur Yang Terdaftar Di Bursa Efek Indonesia (BEI) Tahun 2020-2022. *Kumpulan Hasil Riset Mahasiswa Akuntansi (KHARISMA)*, 6(1), 129-142.
- Vivianita, A., & Indudewi, D. (2019). Financial statement fraud pada perusahaan pertambangan yang dipengaruhi oleh fraud pentagon theory (studi kasus di perusahaan tambang yang terdaftar di bei tahun 2014-2016). *Jurnal*

Dinamika Sosial Budaya, 20(1), 1-15.

W.Sanjaya, L. Suryad. (2021). Faktor-Faktor Yang Mempengaruhi Peluang Terjadinya Income Smoothing. Repository.Tsm.Ac.Id, 11(1), 37–54.

Yunengsih, Y., Ichi, I., & Kurniawan, A. (2018). Pengaruh Ukuran Perusahaan, Net Profit Margin, Debt To Equity Ratio, Kepemilikan Manajerial Dan Reputasi Auditor Terhadap Praktik Perataan Laba (Income Smoothing). *ACCRUALS (Accounting Research Journal of Sutaatmadja)*, 2(2), 31-52.

Zurriah, R., & Sembiring, M. (2020). Pengaruh Ukuran Perusahaan Dan Leverage Terhadap Nilai Perusahaan Melalui Praktek Manajemen Laba Rill. *Jurnal Akuntansi dan Bisnis: Jurnal Program Studi Akuntansi*, 6(2), 174-183.

Lampiran 1

Tabulasi Data Perhitungan Perataan Laba Perusahaan Pertambangan dan Pertantian Periode 2019-2023

Hasil perhitungan Koefisien variasi untuk perubahan laba CV ΔI

KODE	TAHUN	LABA BERSIH	Perubahan Laba	Standart Deviasi	Rata-Rata Laba	CV ΔI
ANTM	2019	955,610,000,000				
	2020	2,032,300,000,000	1,076,690,000,000	1,179,271,889,119	415,320,000,000	2.84
	2021	2,738,140,000,000	705,840,000,000			
	2022	3,941,870,000,000	1,203,730,000,000			
	2023	2,616,890,000,000	-1,324,980,000,000			
ARTI	2019	987,102,000,000				
	2020	765,599,000,000	-221,503,000,000	270,829,584,688	-241,802,250,000	-1.12
	2021	135,181,000,000	-630,418,000,000			
	2022	57,748,000,000	-77,433,000,000			
	2023	19,893,000,000	-37,855,000,000			
BSML	2019	474,589,932				
	2020	428,554,677	-46,035,255	5,273,353,451	4,149,305,071	1.27
	2021	4,376,214,467	3,947,659,790			
	2022	16,021,015,616	11,644,801,149			
	2023	17,071,810,215	1,050,794,599			
CGAS	2019	10,949,783,598				
	2020	2,932,365,845	-8,017,417,753	6,932,813,208	39,251,820	176.62
	2021	3,722,075,005	789,709,160			
	2022	12,514,835,744	8,792,760,739			
	2023	11,106,790,879	-1,408,044,865			
CITA	2019	657,718,925,237				
	2020	649,921,288,710	-7,797,636,527	71,656,302,608	11,339,588,441	6.32
	2021	568,345,150,593	-81,576,138,117			
	2022	627,762,016,208	59,416,865,615			
	2023	703,077,279,000	75,315,262,792			
CNKO	2019	123,983,510				
	2020	262,078,688	138,095,178	133,745,133	-20,654,466	-6.48
	2021	72,909,400	-189,169,288			
	2022	54,229,937	-18,679,463			
	2023	41,365,647	-12,864,290			
COAL	2019	27,332,988,000				
	2020	52,928,000,000	25,595,012,000	51,814,841,699	2,838,253,000	18.26
	2021	27,342,000,000	-25,586,000,000			
	2022	90,947,000,000	63,605,000,000			
	2023	38,686,000,000	-52,261,000,000			
CUAN	2019	2,336,053,613,279				
	2020	1,735,713,600,544	-600,340,012,735	309,182,213,215	-137,622,897,880	-2.25
	2021	1,756,425,932,938	20,712,332,394			
	2022	1,796,288,082,883	39,862,149,945			
	2023	1,785,562,021,758	-10,726,061,125			

KODE	TAHUN	LABA BERSIH	Perubahan Laba	Standart Deviasi	78	
					Rata-Rata Laba	CV ΔI
DKFT	2019	4,447,156,354,000				
	2020	4,475,776,656,000	28,620,302,000	899,112,563,127	1,135,185,411,500	0.79
	2021	6,359,061,000,000	1,883,284,344,000			
	2022	8,210,519,000,000	1,851,458,000,000			
	2023	8,987,898,000,000	777,379,000,000			
ELSA	2019	36,602,374,000,000				
	2020	37,151,966,000,000	549,592,000,000	2,556,911,674,182	2,730,516,000,000	0.94
	2021	38,246,731,000,000	1,094,765,000,000			
	2022	41,320,692,000,000	3,073,961,000,000			
	2023	47,524,438,000,000	6,203,746,000,000			
FIRE	2019	871,082,000,000				
	2020	742,473,000,000	-128,609,000,000	182,038,800,793	29,116,250,000	6.25
	2021	645,494,000,000	-96,979,000,000			
	2022	912,333,000,000	266,839,000,000			
	2023	987,547,000,000	75,214,000,000			
HILL	2019	7,611,504,000,000				
	2020	4,566,260,000,000	-3,045,244,000,000	5,451,450,740,662	-133,204,584,990	-40.93
	2021	13,484,223,000,000	8,917,963,000,000			
	2022	17,966,286,000,000	4,482,063,000,000			
	2023	16,798,647,000,000	-1,167,639,000,000			
IFSH	2019	3,315,392,105,341				
	2020	2,173,457,785,433	-1,141,934,319,908	706,132,713,016	-133,204,584,990	-5.30
	2021	2,174,582,231,584	1,124,446,151			
	2022	2,676,064,660,151	501,482,428,567			
	2023	2,782,573,765,382	106,509,105,231			
MAHA	2019	874,888,777,000				
	2020	720,157,790,000	-154,730,987,000	106,958,707,917	5,463,699,000	19.58
	2021	776,065,712,000	55,907,922,000			
	2022	843,148,398,000	67,082,686,000			
	2023	896,743,573,000	53,595,175,000			
MINE	2019	950,717,012,383				
	2020	309,522,944,941	-641,194,067,442	407,352,040,066	-70,562,143,510	-5.77
	2021	237,070,386,653	-72,452,558,288			
	2022	517,157,972,034	280,087,585,381			
	2023	668,468,438,345	151,310,466,311			
NCKL	2019	3,480,078,824,000				
	2020	1,524,785,476,000	-1,955,293,348,000	1,241,143,534,471	-129,305,293,750	-9.60
	2021	1,694,569,935,000	169,784,459,000			
	2022	2,202,389,698,000	507,819,763,000			
	2023	2,962,857,649,000	760,467,951,000			
NICE	2019	42,394,000,000				
	2020	43,505,000,000	1,111,000,000	5,339,595,951	-187,250,000	-28.52
	2021	47,563,000,000	4,058,000,000			
	2022	39,581,000,000	-7,982,000,000			

KODE	TAHUN	LABA BERSIH	Perubahan Laba	Standart Deviasi	Rata-Rata Laba ⁷⁹	CV ΔI
	2023	41,645,000,000	2,064,000,000			
NICL	2019	14,067,724,479				
	2020	32,010,038,466	17,942,313,987	94,112,160,542	3,266,826,467	28.81
	2021	45,498,526,972	13,488,488,506			
	2022	150,206,001,039	104,707,474,067			
	2023	27,135,030,346	-123,070,970,693			
PKPK	2019	44,848,000,000				
	2020	53,721,000,000	8,873,000,000	2,321,887,781,173	1,556,643,750,000	1.49
	2021	379,496,000,000	325,775,000,000			
	2022	1,275,772,000,000	896,276,000,000			
	2023	6,271,423,000,000	4,995,651,000,000			
PTBA	2019	4,040,394,000,000				
	2020	2,407,927,000,000	-1,632,467,000,000	5,705,370,483,411	563,031,750,000	10.13
	2021	8,036,888,000,000	5,628,961,000,000			
	2022	12,779,427,000,000	4,742,539,000,000			
	2023	6,292,521,000,000	-6,486,906,000,000			
RMKE	2019	41,120,000,000				
	2020	72,640,000,000	31,520,000,000	129,461,445,097	66,955,000,000	1.93
	2021	198,140,000,000	125,500,000,000			
	2022	404,090,000,000	205,950,000,000			
	2023	308,940,000,000	-95,150,000,000			
RUIS	2019	18,335,466,460				
	2020	27,542,197,663	9,206,731,203	8,388,849,113	-1,083,866,615	-7.74
	2021	18,000,000,000	-9,542,197,663			
	2022	20,000,000,000	2,000,000,000			
	2023	14,000,000,000	-6,000,000,000			
SMGA	2019	2,550,000,000				
	2020	5,471,000,000	2,921,000,000	6,927,261,959	3,206,250,000	2.16
	2021	6,346,000,000	875,000,000			
	2022	2,644,000,000	-3,702,000,000			
	2023	15,375,000,000	12,731,000,000			
SMMT	2019	26,076,000,000				
	2020	23,387,000,000	-2,689,000,000	197,823,459,894	57,474,750,000	3.44
	2021	249,958,000,000	226,571,000,000			
	2022	402,880,000,000	152,922,000,000			
	2023	255,975,000,000	-146,905,000,000			
SURE	2019	8,618,000,000				
	2020	22,517,000,000	13,899,000,000	24,745,663,841	39,941,333,333	0.62
	2021	70,509,000,000	47,992,000,000			
	2022	81,614,000,000	11,105,000,000			
	2023	142,341,000,000	60,727,000,000			
ZINC	2019	178,831,833,000				
	2020	29,122,291,000	-149,709,542,000	87,676,362,843	-38,044,654,500	-2.30
	2021	77,195,657,000	48,073,366,000			

KODE	TAHUN	LABA BERSIH	Perubahan Laba	Standart Deviasi	Rata-Rata Laba	CV ΔI
	2022	14,176,906,000	-63,018,751,000			
	2023	26,653,215,000	12,476,309,000			
BEEF	2019	35,224,000,000				
	2020	350,736,000,000	315,512,000,000	213,959,958,169	5,400,755,084	39.62
	2021	181,441,000,000	-169,295,000,000			
	2022	91,928,104,666	-89,512,895,334			
	2023	56,827,020,336	-35,101,084,330			
BISI	2019	275,667,000,000				
	2020	380,992,000,000	105,325,000,000	264,904,098,105	-23,389,500,000	-11.33
	2021	526,297,000,000	145,305,000,000			
	2022	600,446,000,000	74,149,000,000			
	2023	182,109,000,000	-418,337,000,000			
CPRO	2019	348,963,000,000				
	2020	381,422,000,000	32,459,000,000	1,495,634,650,572	13,202,750,000	113.28
	2021	2,209,313,000,000	1,827,891,000,000			
	2022	373,978,000,000	-1,835,335,000,000			
	2023	401,774,000,000	27,796,000,000			
DSFI	2019	5,869,581,850				
	2020	14,550,513,586	8,680,931,736	8,133,191,100	1,554,604,538	5.23
	2021	14,572,000,000	21,486,414			
	2022	21,382,000,000	6,810,000,000			
	2023	12,088,000,000	-9,294,000,000			
ANDI	2019	5,628,014,552				
	2020	10,170,233,789	4,542,219,237	26,216,804,238	14,367,561,550	1.82
	2021	3,121,384,649	-7,048,849,140			
	2022	10,540,607,940	7,419,223,291			
	2023	63,098,260,750	52,557,652,810			
ANJT	2019	434,621,000,000				
	2020	954,115,000,000	519,494,000,000	863,105,866,105	-159,037,666,667	-5.43
	2021	117,509,000,000	-836,606,000,000			
	2022	930,207,000,000	812,698,000,000			
	2023	477,002,000,000	-453,205,000,000			
DSNG	2019	178,164,000,000				
	2020	478,171,000,000	300,007,000,000	364,927,258,601	165,875,250,000	2.20
	2021	739,649,000,000	261,478,000,000			
	2022	1,206,587,000,000	466,938,000,000			
	2023	841,665,000,000	-364,922,000,000			
BWPT	2019	346,641,000,000				
	2020	299,685,000,000	-46,956,000,000	199,231,327,850	89,206,250,000	2.23
	2021	278,408,000,000	-21,277,000,000			
	2022	661,107,000,000	382,699,000,000			
	2023	703,466,000,000	42,359,000,000			
GZCO	2019	584,490,000,000				
	2020	182,592,000,000	-401,898,000,000	195,212,624,296	-145,526,000,000	-1.34

KODE	TAHUN	LABA BERSIH	Perubahan Laba	Standart Deviasi	Rata-Rata Laba	CV ΔI
	2021	14,269,000,000	-168,323,000,000			
	2022	75,818,000,000	61,549,000,000			
	2023	2,386,000,000	-73,432,000,000			
MGRO	2019	83,546,806,947				
	2020	49,586,190,616	-33,960,616,331	87,037,680,734	22,181,798,263	3.92
	2021	89,783,000,000	40,196,809,384			
	2022	34,791,000,000	-54,992,000,000			
	2023	172,274,000,000	137,483,000,000			
PNGO	2019	21,139,000,000				
	2020	81,273,000,000	60,134,000,000	52,591,165,636	42,631,250,000	1.23
	2021	188,054,000,000	106,781,000,000			
	2022	173,391,000,000	-14,663,000,000			
	2023	191,664,000,000	18,273,000,000			
LSIP	2019	252,630,000,000				
	2020	716,152,000,000	463,522,000,000	318,083,511,086	127,010,750,000	2.50
	2021	991,630,000,000	275,478,000,000			
	2022	1,035,285,000,000	43,655,000,000			
	2023	760,673,000,000	-274,612,000,000			
PGUN	2019	21,744,866,254				
	2020	101,476,295,049	79,731,428,795	97,583,021,422	21,577,930,334	4.52
	2021	38,428,235,746	-63,048,059,303			
	2022	167,246,545,379	128,818,309,633			
	2023	108,056,587,588	-59,189,957,791			
SIMP	2019	550,885,000,000				
	2020	818,166,000,000	267,281,000,000	566,491,511,756	95,410,000,000	5.94
	2021	1,395,825,000,000	577,659,000,000			
	2022	1,657,479,000,000	261,654,000,000			
	2023	932,525,000,000	-724,954,000,000			
SGRO	2019	937,000,000,000				
	2020	1,619,000,000,000	682,000,000,000	591,414,335,865	-136,250,000,000	-4.34
	2021	1,414,000,000,000	-205,000,000,000			
	2022	686,000,000,000	-728,000,000,000			
	2023	392,000,000,000	-294,000,000,000			
SMAR	2019	1,539,798,000,000				
	2020	2,829,416,000,000	1,289,618,000,000	3,160,954,432,803	-65,449,500,000	-48.30
	2021	5,505,000,000,000	2,675,584,000,000			
	2022	918,000,000,000	-4,587,000,000,000			
	2023	1,278,000,000,000	360,000,000,000			
TBLA	2019	838,873,000,000				
	2020	680,730,000,000	-158,143,000,000	141,903,376,888	-56,668,250,000	-2.50
	2021	791,900,000,000	111,170,000,000			
	2022	801,400,000,000	9,500,000,000			
	2023	612,200,000,000	-189,200,000,000			

Hasil perhitungan Koefisien variasi untuk perubahan laba CV ΔS

PENJUALAN	Perubahan Penjualan	Standartd Deviasi	Rata-Rata Penjualan	CV ΔS
32,718,540,000,000				
27,372,460,000,000	-5,346,080,000,000	8,440,249,097,467	2,082,287,500,000	4.05
38,445,600,000,000	11,073,140,000,000			
45,930,360,000,000	7,484,760,000,000			
41,047,690,000,000	-4,882,670,000,000			
172,420,000,000,000				
32,805,000,000,000	-139,615,000,000,000	92,478,329,542,205	-14,347,250,000,000	-6.45
6,010,000,000,000	-26,795,000,000,000			
73,307,000,000,000	67,297,000,000,000			
115,031,000,000,000	41,724,000,000,000			
23,561,454,774				
26,961,554,164	3,400,099,390	27,187,868,065	1,185,253,004	22.94
61,158,765,960	34,197,211,796			
28,881,615,768	-32,277,150,192			
28,302,466,790	-579,148,978			
312,843,845,383				
267,759,529,149	-45,084,316,234	79,096,125,395	-150,513,750,000	-0.53
387,699,802,006	119,940,272,857			
423,553,944,251	35,854,142,245			
377,588,881,905	-45,965,062,346			
3,894,771,000,000				
4,344,699,000,000	449,928,000,000	1,546,744,634,909	-150,513,750,000	-10.28
4,578,414,000,000	233,715,000,000			
5,694,017,000,000	1,115,603,000,000			
3,292,716,000,000	-2,401,301,000,000			
1,220,774,774				
884,575,360	-336,199,414	338,989,223	130,300,866	2.60
980,326,231	95,750,871			
1,375,279,833	394,953,602			
1,741,978,238	366,698,405			
171,699,750,000				
1,410,000,000	-170,289,750,000	297,379,934,558	126,846,812,500	2.34
171,699,000,000	170,289,000,000			
692,738,000,000	521,039,000,000			
679,087,000,000	-13,651,000,000			
15,307,860,220,494				
10,827,682,417,205	-4,480,177,803,289	2,826,234,058,919	-757,936,473,283	-3.73
11,530,471,713,036	702,789,295,831			
13,549,010,228,584	2,018,538,515,548			
12,276,114,327,361	-1,272,895,901,223			
32,718,542,699,000				
27,372,461,091,000	-5,346,081,608,000	7,177,464,865,596	3,725,982,575,250	1.93
38,445,595,000,000	11,073,133,909,000			
45,930,356,000,000	7,484,761,000,000			
47,622,473,000,000	1,692,117,000,000			
58,532,373,000,000				

56,172,871,000,000	-2,359,502,000,000	4,773,655,462,400	-447,146,000,000	-10.68
50,025,887,000,000	-6,146,984,000,000			
54,658,681,000,000	4,632,794,000,000			
56,743,789,000,000	2,085,108,000,000			
8,385,122,000,000				
7,726,945,000,000	-658,177,000,000	2,074,584,301,486	1,240,577,500,000	1.67
8,136,563,000,000	409,618,000,000			
12,305,690,000,000	4,169,127,000,000			
13,347,432,000,000	1,041,742,000,000			
21,787,564,000,000				
17,325,192,000,000	-4,462,372,000,000	9,061,652,552,917	4,916,541,750,000	1.84
29,261,468,000,000	11,936,276,000,000			
42,648,590,000,000	13,387,122,000,000			
41,453,731,000,000	-1,194,859,000,000			
23,573,191,977,192				
15,831,388,462,166	-7,741,803,515,026	4,479,764,640,291	-1,146,836,057,130	-3.91
16,763,936,677,996	932,548,215,830			
18,921,838,539,997	2,157,901,862,001			
18,985,847,748,673	64,009,208,676			
1,999,516,771,000				
1,721,907,150,000	-277,609,621,000	175,662,561,399	-25,410,005,750	-6.91
1,751,585,770,000	29,678,620,000			
1,881,767,356,000	130,181,586,000			
1,897,876,748,000	16,109,392,000			
7,083,384,467,587				
4,803,359,291,718	-2,280,025,175,869	1,778,771,164,714	66,072,301,997	26.92
4,458,987,837,356	-344,371,454,362			
6,003,788,032,167	1,544,800,194,811			
7,347,673,675,573	1,343,885,643,406			
27,212,914,210,000				
16,536,381,639,000	-10,676,532,571,000	6,415,985,845,005	-1,242,344,143,250	-5.16
17,809,717,726,000	1,273,336,087,000			
21,480,791,864,000	3,671,074,138,000			
22,243,537,637,000	762,745,773,000			
135,567,000,000				
136,462,000,000	895,000,000	2,536,128,151	3,493,000,000	0.73
143,210,000,000	6,748,000,000			
147,306,000,000	4,096,000,000			
149,539,000,000	2,233,000,000			
106,780,080,899				
188,021,770,134	81,241,689,235	329,343,890,927	258,670,703,739	1.27
419,446,938,854	231,425,168,720			
1,149,394,604,496	729,947,665,642			
1,141,462,895,855	-7,931,708,641			
13,250,000,000,000				
17,330,000,000,000	4,080,000,000,000	20,420,808,015,355	11,140,000,000,000	1.83
3,080,000,000,000	-14,250,000,000,000			
26,570,000,000,000	23,490,000,000,000			
57,810,000,000,000	31,240,000,000,000			

21,787,564,000,000				84
17,325,192,000,000	-4,462,372,000,000	9,817,881,628,602	4,175,325,750,000	2.35
29,261,468,000,000	11,936,276,000,000			
42,648,590,000,000	13,387,122,000,000			
38,488,867,000,000	-4,159,723,000,000			
559,340,000,000				
635,240,000,000	75,900,000,000	661,065,430,870	498,442,500,000	1.33
1,864,540,000,000	1,229,300,000,000			
2,733,610,000,000	869,070,000,000			
2,553,110,000,000	-180,500,000,000			
1,595,636,804,155				
1,616,390,151,557	20,753,347,402	25,487,106,942	46,090,798,961	0.55
1,645,000,000,000	28,609,848,443			
1,706,000,000,000	61,000,000,000			
1,780,000,000,000	74,000,000,000			
144,487,000,000				
155,589,000,000	11,102,000,000	439,203,714,571	229,176,750,000	1.92
162,045,000,000	6,456,000,000			
173,220,000,000	11,175,000,000			
1,061,194,000,000	887,974,000,000			
346,110,000,000				
209,446,000,000	-136,664,000,000	310,625,519,097	167,539,250,000	1.85
508,274,000,000	298,828,000,000			
1,049,271,000,000	540,997,000,000			
1,016,267,000,000	-33,004,000,000			
291,628,000,000				
335,556,000,000	43,928,000,000	51,495,190,794	3,232,250,000	15.93
339,306,000,000	3,750,000,000			
374,131,000,000	34,825,000,000			
304,557,000,000	-69,574,000,000			
885,110,668,000				
608,099,038,000	-277,011,630,000	232,665,828,398	-103,441,774,250	-2.25
838,765,099,000	230,666,061,000			
717,341,578,000	-121,423,521,000			
471,343,571,000	-245,998,007,000			
1,307,725,000,000				
728,034,316,374	-579,690,683,626	546,688,189,021	-173,988,394,058	-3.14
142,314,782,595	-585,719,533,779			
39,116,821,863	-103,197,960,732			
611,771,423,767	572,654,601,904			
1,812,762,000,000				
2,015,138,000,000	202,376,000,000	586,210,460,874	-111,209,000,000	-5.27
2,415,592,000,000	400,454,000,000			
2,298,131,000,000	-117,461,000,000			
1,367,926,000,000	-930,205,000,000			
2,116,452,000,000				
2,209,313,000,000	92,861,000,000	2,744,012,056,917	1,727,706,000,000	1.59
8,028,078,000,000	5,818,765,000,000			
8,242,343,000,000	214,265,000,000			

9,027,276,000,000	784,933,000,000			85
447,268,210,316				
365,870,902,563	-81,397,307,753	102,778,204,166	28,081,947,421	3.66
532,523,000,000	166,652,097,437			
552,366,000,000	19,843,000,000			
559,596,000,000	7,230,000,000			
308,195,161,023				
260,214,446,632	-47,980,714,391	77,838,974,761	-22,063,194,735	-3.53
346,364,995,418	86,150,548,786			
317,855,645,702	-28,509,349,716			
219,942,382,085	-97,913,263,617			
1,984,017,000,000				
2,506,717,000,000	522,700,000,000	1,366,777,325,313	105,284,000,000	12.98
3,971,114,000,000	1,464,397,000,000			
4,189,330,000,000	218,216,000,000			
2,405,153,000,000	-1,784,177,000,000			
5,736,684,000,000				
6,698,918,000,000	962,234,000,000	1,137,672,321,407	940,516,250,000	1.21
7,124,495,000,000	425,577,000,000			
9,633,671,000,000	2,509,176,000,000			
9,498,749,000,000	-134,922,000,000			
2,313,289,000,000				
2,198,666,000,000	-114,623,000,000	908,902,705,294	472,830,750,000	1.92
2,938,338,000,000	739,672,000,000			
4,574,124,000,000	1,635,786,000,000			
4,204,612,000,000	-369,512,000,000			
385,047,000,000				
406,924,000,000	21,877,000,000	197,883,078,701	89,804,750,000	2.20
707,102,000,000	300,178,000,000			
554,721,000,000	-152,381,000,000			
744,266,000,000	189,545,000,000			
6,488,088,769,186				
4,106,566,376,814	-2,381,522,392,372	2,584,303,860,811	-265,652,692,297	-9.73
7,313,139,000,000	3,206,572,623,186			
7,505,701,000,000	192,562,000,000			
5,425,478,000,000	-2,080,223,000,000			
1,782,311,000,000				
1,511,658,000,000	-270,653,000,000	362,035,169,828	63,743,250,000	5.68
2,088,922,000,000	577,264,000,000			
2,034,457,000,000	-54,465,000,000			
2,037,284,000,000	2,827,000,000			
3,699,439,000,000				
3,536,721,000,000	-162,718,000,000	606,612,986,932	122,614,250,000	4.95
4,525,473,000,000	988,752,000,000			
4,585,348,000,000	59,875,000,000			
4,189,896,000,000	-395,452,000,000			
229,249,188,332				
475,252,008,248	246,002,819,916	202,742,489,349	159,801,897,052	1.27
786,686,008,070	311,433,999,822			

1,007,305,060,864	220,619,052,794			86
868,456,776,538	-138,848,284,326			
13,650,388,000,000				
14,474,700,000,000	824,312,000,000	3,309,264,263,248	588,063,750,000	5.63
19,658,529,000,000	5,183,829,000,000			
17,794,246,000,000	-1,864,283,000,000			
16,002,643,000,000	-1,791,603,000,000			
3,268,000,000,000				
3,502,000,000,000	234,000,000,000	781,900,409,259	588,250,000,000	1.33
5,222,000,000,000	1,720,000,000,000			
5,672,000,000,000	450,000,000,000			
5,621,000,000,000	-51,000,000,000			
40,434,435,000,000				
57,004,534,000,000	16,570,099,000,000	12,319,435,447,281	9,600,141,250,000	1.28
75,046,000,000,000	18,041,466,000,000			
66,531,000,000,000	-8,515,000,000,000			
78,835,000,000,000	12,304,000,000,000			
12,832,503,000,000				
10,863,256,000,000	-1,969,247,000,000	3,183,205,426,783	621,274,250,000	5.12
15,972,200,000,000	5,108,944,000,000			
16,580,000,000,000	607,800,000,000			
15,317,600,000,000	-1,262,400,000,000			

Hasil Perhitungan Indeks Eckel Perataan Laba Perusahaan Pertambangan dan Pertanian Periode 2019-2023

No	Kode Perusahaan	Indeks Eckel	Kategori	Kode
1	ANTM	0.700514	Bukan Perataan Laba	0
2	ARTI	0.173766	Praktik Perataan Laba	1
3	BSML	0.055405	Bukan Perataan Laba	0
4	CGAS	-336.101665	Praktik Perataan Laba	1
5	CITA	-0.614914	Praktik Perataan Laba	1
6	CNKO	-2.489003	Bukan Perataan Laba	0
7	COAL	7.787014	Praktik Perataan Laba	1
8	CUAN	0.602488	Praktik Perataan Laba	1
9	DKFT	0.411166	Bukan Perataan Laba	0
10	ELSA	-0.087714	Praktik Perataan Laba	1
11	FIRE	3.738706	Praktik Perataan Laba	1
12	HILL	-22.204717	Bukan Perataan Laba	0
13	IFSH	1.357105	Bukan Perataan Laba	0
14	MAHA	-2.831750	Praktik Perataan Laba	1
15	MINE	-0.214436	Bukan Perataan Laba	0
16	NCKL	1.858593	Bukan Perataan Laba	0
17	NICE	-39.274798	Bukan Perataan Laba	0
18	NICL	22.626496	Praktik Perataan Laba	1
19	PKPK	0.813700	Bukan Perataan Laba	0
20	PTBA	4.309467	Praktik Perataan Laba	1
21	RMKE	1.457901	Praktik Perataan Laba	1
22	RUIS	-13.996525	Bukan Perataan Laba	0
23	SMGA	1.127376	Praktik Perataan Laba	1
24	SMMT	1.856437	Praktik Perataan Laba	1
25	SURE	0.038888	Bukan Perataan Laba	0
26	ZINC	1.024595	Bukan Perataan Laba	0
27	BEEF	-12.608360	Praktik Perataan Laba	1
28	BISI	2.148593	Bukan Perataan Laba	0
29	CPRO	71.325520	Praktik Perataan Laba	1
30	DSFI	1.429444	Praktik Perataan Laba	1
31	ANDI	-0.517211	Praktik Perataan Laba	1
32	UNSP	-0.418050	Bukan Perataan Laba	0
33	DSNG	1.818753	Praktik Perataan Laba	1
34	BWPT	1.161852	Praktik Perataan Laba	1
35	GZCO	-0.608777	Bukan Perataan Laba	0
36	MGRO	-0.403349	Praktik Perataan Laba	1
37	PNGO	0.217204	Bukan Perataan Laba	0
38	LSIP	0.506209	Bukan Perataan Laba	0
39	PGUN	3.564525	Praktik Perataan Laba	1

No	Kode Perusahaan	Indeks Eckel	Kategori	Kode
40	SIMP	1.055097	Praktik Perataan Laba	1
41	SGRO	-3.265621	Bukan Perataan Laba	0
42	SMAR	-37.635589	Bukan Perataan Laba	0
43	TBLA	-0.488733	Bukan Perataan Laba	0

LAMPIRAN 2
TABULASI DATA VARIABEL UKURAN PERUSAHAAN

KODE	TAHUN	TOTAL ASET	Ln
ANTM	2019	Rp 840.236.000.000	27,457
	2020	Rp 881.275.000.000	27,505
	2021	Rp 822.375.000.000	27,435
	2022	Rp 958.791.000.000	27,589
	2023	Rp 1.304.108.000.000	27,897
ARTI	2019	Rp 2.939.456.000.000	28,709
	2020	Rp 3.392.980.000.000	28,853
	2021	Rp 2.999.767.000.000	28,730
	2022	Rp 2.963.007.000.000	28,717
	2023	Rp 2.993.218.000.000	28,727
BSML	2019	Rp 1.392.636.444.501	27,962
	2020	Rp 1.168.956.042.706	27,787
	2021	Rp 1.393.079.542.074	27,963
	2022	Rp 1.566.673.828.068	28,080
	2023	Rp 1.697.387.196.209	28,160
CGAS	2019	Rp 660.917.775.322	27,217
	2020	Rp 833.933.861.594	27,449
	2021	Rp 1.245.144.303.719	27,850
	2022	Rp 1.310.940.121.622	27,902
	2023	Rp 1.197.796.650.000	27,812
CITA	2019	Rp 1.523.517.170.000	28,052
	2020	Rp 1.425.983.722.000	27,986
	2021	Rp 1.225.580.913.000	27,834
	2022	Rp 1.308.722.065.000	27,900
	2023	Rp 6.297.287.000.000	29,471
CNKO	2019	Rp 1.640.886.147.000	28,126
	2020	Rp 1.682.821.739.000	28,151
	2021	Rp 1.829.960.714.000	28,235
	2022	Rp 1.986.711.872.000	28,318
	2023	Rp 2.085.904.980.000	28,366
COAL	2019	Rp 66.759.930.000.000	31,832
	2020	Rp 69.097.219.000.000	31,867
	2021	Rp 78.647.274.000.000	31,996
	2022	Rp 78.191.409.000.000	31,990
	2023	Rp 89.964.369.000.000	32,130
CUAN	2019	Rp 43.141.063.000.000	31,395
	2020	Rp 46.602.420.000.000	31,473
	2021	Rp 50.902.806.000.000	31,561
	2022	Rp 49.674.030.000.000	31,537
	2023	Rp 53.090.428.000.000	31,603

KODE	TAHUN	TOTAL ASET	Ln
DKFT	2019	Rp 1.418.447.342.330	27,981
	2020	Rp 1.537.031.552.479	28,061
	2021	Rp 2.311.190.054.987	28,469
	2022	Rp 2.830.686.417.461	28,672
	2023	Rp 3.478.074.220.547	28,877
ELSA	2019	Rp 31.619.514.000.000	31,085
	2020	Rp 34.367.153.000.000	31,168
	2021	Rp 38.709.314.000.000	31,287
	2022	Rp 103.588.325.000.000	32,271
	2023	Rp 118.066.628.000.000	32,402
FIRE	2019	Rp 88.400.877.000.000	32,113
	2020	Rp 96.537.796.000.000	32,201
	2021	Rp 96.198.559.000.000	32,197
	2022	Rp 163.136.516.000.000	32,726
	2023	Rp 179.356.193.000.000	32,820
HILL	2019	Rp 3.237.595.219.274	28,806
	2020	Rp 3.592.164.205.408	28,910
	2021	Rp 4.695.764.958.883	29,178
	2022	Rp 5.255.359.155.031	29,290
	2023	Rp 5.346.800.159.052	29,308
IFSH	2019	Rp 16.616.239.416.335	30,441
	2020	Rp 18.146.206.145.369	30,529
	2021	Rp 20.264.726.862.584	30,640
	2022	Rp 22.564.300.317.374	30,747
	2023	Rp 25.666.635.156.271	30,876
MAHA	2019	Rp 847.006.544.000	27,465
	2020	Rp 1.263.113.689.000	27,865
	2021	Rp 901.060.986.000	27,527
	2022	Rp 929.901.046.000	27,558
	2023	Rp 1.026.266.866.000	27,657
MINE	2019	Rp 14.915.849.800.251	30,333
	2020	Rp 17.591.706.426.634	30,498
	2021	Rp 19.037.918.806.473	30,577
	2022	Rp 19.777.500.514.550	30,616
	2023	Rp 19.917.653.265.528	30,623
NCKL	2019	Rp 159.563.931.041	25,796
	2020	Rp 187.057.163.854	25,955
	2021	Rp 190.786.208.250	25,974
	2022	Rp 228.575.380.866	26,155
	2023	Rp 806.221.575.272	27,416
NICE	2019	Rp 4.559.573.709.411	29,148
	2020	Rp 4.393.810.380.883	29,111

KODE	TAHUN	TOTAL ASET	Ln
	2021	Rp 4.682.083.844.951	29,175
	2022	Rp 4.452.166.671.985	29,124
	2023	Rp 4.191.284.422.677	29,064
NICL	2019	Rp 3.158.198.000.000	28,781
	2020	Rp 3.337.628.000.000	28,836
	2021	Rp 3.536.898.000.000	28,894
	2022	Rp 3.849.516.000.000	28,979
	2023	Rp 4.068.970.000.000	29,034
PKPK	2019	Rp 1.623.027.475.045	28,115
	2020	Rp 1.771.365.972.009	28,203
	2021	Rp 1.820.383.352.811	28,230
	2022	Rp 1.768.660.546.754	28,201
	2023	Rp 1.970.428.120.056	28,309
PTBA	2019	Rp 636.284.210.210	27,179
	2020	Rp 747.293.725.435	27,340
	2021	Rp 790.845.543.826	27,396
	2022	Rp 773.863.042.440	27,375
	2023	Rp 889.125.250.792	27,514
RMKE	2019	Rp 2.342.432.443.196	28,482
	2020	Rp 2.631.189.810.030	28,598
	2021	Rp 2.881.563.083.954	28,689
	2022	Rp 3.448.995.059.882	28,869
	2023	Rp 3.919.243.683.748	28,997
RUIS	2019	Rp 7.434.900.309.021	29,637
	2020	Rp 7.869.975.060.326	29,694
	2021	Rp 8.372.769.580.743	29,756
	2022	Rp 9.104.657.533.366	29,840
	2023	Rp 9.644.326.662.784	29,897
SMGA	2019	Rp 5.175.896.000.000	29,275
	2020	Rp 5.555.871.000.000	29,346
	2021	Rp 6.608.422.000.000	29,519
	2022	Rp 8.754.116.000.000	29,801
	2023	Rp 7.406.856.000.000	29,633
SMMT	2019	Rp 18.906.413.000.000	30,571
	2020	Rp 19.522.970.000.000	30,603
	2021	Rp 20.649.371.000.000	30,659
	2022	Rp 20.534.632.000.000	30,653
	2023	Rp 19.068.532.000.000	30,579
SURE	2019	Rp 1.225.712.093.041	27,835
	2020	Rp 1.255.573.914.558	27,859
	2021	Rp 1.299.521.608.556	27,893
	2022	Rp 1.614.442.007.528	28,110

KODE	TAHUN	TOTAL ASET	Ln
	2023	Rp 1.891.169.731.202	28,268
ZINC	2019	Rp 3.843.002.133.341	28,977
	2020	Rp 4.588.497.407.410	29,155
	2021	Rp 5.515.384.761.490	29,339
	2022	Rp 5.856.758.922.140	29,399
	2023	Rp 6.801.034.778.630	29,548
BEEF	2019	31,619,514,000,000	31.085
	2020	34,367,153,000,000	31.168
	2021	38,709,314,000,000	31.287
	2022	103,588,325,000,000	32.271
	2023	118,066,628,000,000	32.402
BISI	2019	88,400,877,000,000	32.113
	2020	96,537,796,000,000	32.201
	2021	96,198,559,000,000	32.197
	2022	163,136,516,000,000	32.726
	2023	179,356,193,000,000	32.820
CPRO	2019	14,915,849,800,251	30.333
	2020	17,591,706,426,634	30.498
	2021	19,037,918,806,473	30.577
	2022	19,777,500,514,550	30.616
	2023	19,917,653,265,528	30.623
DSFI	2019	2,510,078,000,000	28.551
	2020	2,889,501,000,000	28.692
	2021	2,896,950,000,000	28.695
	2022	2,907,425,000,000	28.698
	2023	2,922,017,000,000	28.703
ANDI	2019	5,186,940,000,000	29.277
	2020	5,555,871,000,000	29.346
	2021	6,608,422,000,000	29.519
	2022	8,754,116,000,000	29.801
	2023	7,406,856,000,000	29.633
ANJT	2019	18,906,413,000,000	30.571
	2020	19,522,970,000,000	30.603
	2021	20,649,371,000,000	30.659
	2022	20,534,632,000,000	30.653
	2023	19,068,532,000,000	30.579
DSNG	2019	4,559,573,709,411	29.148
	2020	4,393,810,380,883	29.111
	2021	4,682,083,844,951	29.175
	2022	4,452,166,671,985	29.124
	2023	4,191,284,422,677	29.064
BWPT	2019	1,340,842,765,000	27.924

KODE	TAHUN	TOTAL ASET	Ln
	2020	1,523,517,170,000	28.052
	2021	1,425,983,722,000	27.986
	2022	1,225,580,913,000	27.834
	2023	1,308,722,065,000	27.900
GZCO	2019	1,393,079,542,074	27.963
	2020	1,168,956,042,706	27.787
	2021	1,393,079,542,074	27.963
	2022	1,566,673,828,068	28.080
	2023	1,697,387,196,209	28.160
MGRO	2019	1,433,953,996,487	27.991
	2020	1,820,202,594,748	28.230
	2021	2,561,664,000,000	28.572
	2022	2,680,206,000,000	28.617
	2023	3,073,806,000,000	28.754
PNGO	2019	211,751,815,750	26.079
	2020	209,752,815,750	26.069
	2021	248,685,841,255	26.239
	2022	270,288,041,602	26.323
	2023	255,201,206,132	26.265
LSIP	2019	1,785,484,000,000	28.211
	2020	1,044,559,000,000	27.675
	2021	643,765,000,000	27.191
	2022	615,198,000,000	27.145
	2023	597,074,000,000	27.115
PGUN	2019	30,194,910,000,000	31.039
	2020	31,729,510,000,000	31.088
	2021	32,916,150,000,000	31.125
	2022	33,637,270,000,000	31.147
	2023	42,851,330,000,000	31.389
SIMP	2019	34,910,838,000,000	31.184
	2020	35,379,283,000,000	31.197
	2021	35,964,101,000,000	31.214
	2022	36,113,081,000,000	31.218
	2023	35,012,351,000,000	31.187
SGRO	2019	9,467,000,000,000	29.879
	2020	9,745,000,000,000	29.908
	2021	9,751,000,000,000	29.908
	2022	10,243,000,000,000	29.958
	2023	10,068,000,000,000	29.940
SMAR	2019	35,026,171,000,000	31.187
	2020	40,345,003,000,000	31.328
	2021	42,601,000,000,000	31.383

KODE	TAHUN	TOTAL ASET	Ln
	2022	39,716,000,000,000	31.313
	2023	45,333,000,000,000	31.445
TBLA	2019	17,000,000,000,000	30.464
	2020	19,000,000,000,000	30.575
	2021	21,000,000,000,000	30.676
	2022	23,000,000,000,000	30.767
	2023	25,000,000,000,000	30.850

LAMPIRAN 3
TABULASI DATA VARIABEL *FINANCIAL LEVERAGE*

KODE	TAHUN	TOTAL HUTANG	TOTAL EKUITAS	DER
ANTM	2019	4.566.973.000.000	23.221.589.000.000	0.196669272
	2020	4.627.488.000.000	23.080.261.000.000	0.20049548
	2021	5.168.424.000.000	22.176.248.000.000	0.233061246
	2022	5.515.150.000.000	20.620.964.000.000	0.267453549
	2023	6.139.263.000.000	19.566.906.000.000	0.313757474
ARTI	2019	2.064.408.447.000	3.473.671.056.000	0.594301652
	2020	2.088.977.112.000	3.482.293.092.000	0.599885494
	2021	2.329.286.953.000	3.407.888.607.000	0.683498559
	2022	2.271.787.404.000	3.000.166.293.000	0.757220495
	2023	2.124.332.191.000	3.086.916.334.000	0.688172908
BSML	2019	12,250,837,000,000	6,416,350,000,000	0.523747888
	2020	12,584,886,000,000	6,982,612,000,000	0.554841101
	2021	13,171,946,000,000	7,566,179,000,000	0.574416187
	2022	10,291,951,000,000	11,199,072,000,000	0.919000342
	2023	9,518,472,000,000	11,860,038,000,000	0.802566737
CGAS	2019	7,340,075,399,350	7,882,313,190,464	0.931208292
	2020	8,014,571,097,975	8,134,550,586,355	0.985250631
	2021	8,547,396,853,335	7,214,536,477,435	1.184746502
	2022	9,660,606,347,159	2,778,529,065,000	3.476877917
	2023	9,850,740,343,643	3,055,348,824,925	3.224096792
CITA	2019	5,744,966,289,467	3,136,812,010,205	1.831466556
	2020	6,829,449,147,200	3,306,790,412,821	2.065280316
	2021	6,411,343,454,915	3,208,755,667,300	1.998077797
	2022	5,480,299,148,683	3,447,884,344,237	1.589467221
	2023	4,920,589,634,266	3,466,499,741,794	1.419469205
CNKO	2019	4,835,966,000,000	3,596,666,000,000	1.344569109
	2020	5,328,124,000,000	3,409,931,000,000	1.562531324
	2021	5,031,820,000,000	2,929,837,000,000	1.717440254
	2022	4,110,107,000,000	3,293,369,000,000	1.247994683
	2023	3,746,348,000,000	3,720,172,000,000	1.007036234
COAL	2019	108,008,567,538,000	220,882,602,378,000	0.488986305
	2020	108,071,619,867,000	221,848,853,932,000	0.487140763
	2021	129,373,263,191,000	225,527,305,293,000	0.573647892
	2022	198,462,402,663,000	242,761,539,234,000	0.817519955
	2023	195,448,110,526,000	252,521,962,253,000	0.773984602
CUAN	2019	349,587,345,823	1,354,837,233,385	0.258029036
	2020	326,113,004,490	905,567,560,481	0.360120016
	2021	169,127,346,041	852,255,363,880	0.198446796
	2022	153,595,081,446	846,429,385,994	0.181462369

KODE	TAHUN	TOTAL HUTANG	TOTAL EKUITAS	DER
	2023	212,878,145,612	853,001,407,166	0.249563651
DKFT	2019	3,022,358,125,000	2,241,367,974,000	1.348443522
	2020	3,225,135,741,000	2,532,966,885,000	1.273264076
	2021	3,066,953,863,000	2,678,261,633,000	1.145128551
	2022	2,644,583,432,000	3,477,017,924,000	0.760589531
	2023	2,323,807,207,000	4,483,138,057,000	0.518343887
ELSA	2019	967.642.637.307	1.929.477.152.737	0.501505103
	2020	994.204.688.438	1.924.262.563.701	0.516667895
	2021	1.183.847.184.535	1.923.562.928.643	0.615444999
	2022	1.108.490.026.661	2.127.840.895.748	0.520945917
	2023	1.002.210.741.085	2.302.761.450.906	0.43522126
FIRE	2019	548,236,812,000	100,731,483,000	5.44255674
	2020	500,032,251,000	104,792,363,000	4.77164783
	2021	313,427,196,000	105,203,706,000	2.97924102
	2022	370,570,531,000	128,822,522,000	2.87659739
	2023	455,181,958,000	183,770,843,000	2.47689977
HILL	2019	824,660,447,657	76,521,348,613	10.77686767
	2020	762,683,580,285	74,187,193,716	10.28052878
	2021	632,586,391,148	127,839,088,486	4.94830180
	2022	509,059,700,605	216,446,944,561	2.35189137
	2023	621,151,862,369	110,189,496,901	5.63712404
IFSH	2019	455,885,354,596	895,976,402,398	0.50881402
	2020	841,187,548,585	917,390,621,410	0.91693498
	2021	741,251,635,985	846,884,835,664	0.87526852
	2022	795,881,703,057	788,097,313,365	1.00987745
	2023	1,046,603,698,108	1,059,842,880,978	0.98750835
MAHA	2019	1,096,799,666,849	303,883,931,247	3.60927168
	2020	893,625,998,063	319,268,405,613	2.79898036
	2021	1,074,565,554,861	321,404,082,596	3.34334756
	2022	1,162,189,008,725	386,643,502,594	3.00584130
	2023	1,257,313,269,665	297,482,704,563	4.22650880
MINE	2019	3,578,654,000,000	2,915,416,000,000	1.22749343
	2020	3,325,841,000,000	3,098,666,000,000	1.07331381
	2021	2.741.264.000.000	3.335.340.000.000	0.821884426
	2022	3.310.209.000.000	3.787.113.000.000	0.874071885
	2023	3.261.396.000.000	4.144.535.000.000	0.786914817
NCKL	2019	221.022.066.026	475.170.562.075	0.46514259
	2020	219.318.262.582	468.699.629.730	0.467929242
	2021	204.688.407.176	443.141.451.746	0.461903093
	2022	220.983.822.452	465.822.725.534	0.474394679
	2023	209.683.140.222	474.814.738.259	0.441610429

KODE	TAHUN	TOTAL HUTANG	TOTAL EKUITAS	DER
NICE	2019	27.335.071.863	132.692.208.290	0.206003594
	2020	33.455.177.566	113.635.463.887	0.294407894
	2021	35.134.745.290	108.351.444.669	0.324266514
	2022	29.893.350.889	115.566.299.000	0.258668411
	2023	20.831.759.780	111.567.107.967	0.186719546
NICL	2019	553,371,264,957	299,561,177,628	1.847272966
	2020	826,835,826,241	301,639,460,401	2.741139456
	2021	856,304,876,859	236,506,764,484	3.620635878
	2022	884,408,360,483	189,479,764,207	4.667561015
	2023	816,053,031,137	198,835,084,720	4.104170209
PKPK	2019	3,499,963,000,000	3,147,792,000,000	1.111878739
	2020	3,721,416,000,000	3,299,564,000,000	1.127850831
	2021	3,739,317,000,000	3,382,141,000,000	1.105606478
	2022	4,581,674,000,000	3,582,925,000,000	1.278752416
	2023	4,346,015,000,000	3,695,974,000,000	1.175878131
PTBA	2019	2,166,496,000,000	1,226,484,000,000	1.766428262
	2020	1,714,449,000,000	1,285,318,000,000	1.333871462
	2021	1,640,851,000,000	1,322,156,000,000	1.241041904
	2022	1,605,521,000,000	1,387,697,000,000	1.156967984
	2023	1,728,614,000,000	1,445,037,000,000	1.196242034
RMKE	2019	44.476.413.260	277.708.599.001	0.160154973
	2020	36.039.752.024	282.101.635.876	0.127754495
	2021	32.487.055.094	284.823.663.685	0.114060239
	2022	54.285.716.417	307.956.854.988	0.176277019
	2023	75.717.897.528	329.957.934.086	0.229477426
RUIS	2019	71.410.278.158	319.952.419.798	0.223190305
	2020	65.323.258.479	340.121.790.973	0.192058434
	2021	75.990.820.673	368.874.979.999	0.20600698
	2022	131.138.919.060	379.559.681.140	0.345502764
	2023	79.040.070.257	416.970.464.206	0.189557959
SMGA	2019	705.279.760.000	1.162.965.839.000	0.606449249
	2020	691.923.883.000	1.180.788.832.000	0.58598444
	2021	889.592.205.000	1.389.988.509.000	0.639999683
	2022	781.382.414.000	1.493.834.265.000	0.52307169
	2023	677.054.913.000	1.505.890.843.000	0.449604243
SMMT	2019	208.989.195.000	477.788.016.000	0.437409872
	2020	264.646.295.000	514.600.563.000	0.514275176
	2021	318.959.497.000	587.887.398.000	0.542552023
	2022	251.955.480.000	608.207.428.000	0.41425913
	2023	218.259.872.000	658.342.429.000	0.331529402
SURE	2019	323.598.055.358	750.868.136.729	0.430965225

KODE	TAHUN	TOTAL HUTANG	TOTAL EKUITAS	DER
	2020	349.297.058.284	587.402.297.413	0.594647075
	2021	134.896.853.532	591.654.282.984	0.227999454
	2022	260.707.002.887	470.082.748.162	0.554598108
	2023	292.011.350.827	434.388.357.866	0.672235675
ZINC	2019	298,992,622,457	204,184,876,657	1.46432306
	2020	206,523,459,012	212,741,070,436	0.97077381
	2021	200,450,080,044	205,990,815,666	0.97310203
	2022	200,245,883,845	231,034,769,819	0.86673484
	2023	189,586,990,363	278,954,892,903	0.67963314
BEEF	2019	1,338,054,621,000	1,123,271,562,000	1.191212051
	2020	1,309,332,127,000	953,780,791,000	1.372780978
	2021	1,309,332,127,000	766,723,518,000	1.707697881
	2022	1,169,605,173,000	851,035,084,000	1.374332498
	2023	1,151,060,192,000	718,899,470,000	1.601142079
BISI	2019	87.283.567.361	482.914.243.337	0.180743411
	2020	80.669.409.164	536.925.371.505	0.150243243
	2021	72.281.042.223	593.582.375.012	0.12177087
	2022	117.903.045.612	691.468.538.398	0.170511078
	2023	76.709.432.048	786.929.124.418	0.097479468
CPRO	2019	997.975.486.781	1.372.223.331.022	0.727268998
	2020	1.092.845.023.431	1.408.287.832.788	0.776009703
	2021	1.231.192.233.990	1.465.907.828.766	0.839883797
	2022	1.169.803.527.245	1.688.362.494.886	0.692862777
	2023	1.210.746.099.447	2.224.729.775.954	0.544221645
DSFI	2019	751.597.581.000	1.544.137.386.000	0.486742687
	2020	670.694.230.000	1.668.225.498.000	0.40204051
	2021	492.491.798.000	1.928.809.281.000	0.255334627
	2022	500.347.722.000	2.295.611.941.000	0.21795832
	2023	594.336.031.000	2.446.027.106.000	0.242980149
ANDI	2019	176.218.785.183	808.378.986.806	0.217990309
	2020	320.791.791.518	1.008.291.258.921	0.318153895
	2021	454.287.199.938	1.020.185.316.228	0.445298705
	2022	522.245.888.520	1.047.684.048.324	0.498476511
	2023	610.875.000.856	1.186.405.791.289	0.514895498
ANJT	2019	212,804,573,009	118,955,269,476	1.78894616
	2020	156,887,406,881	121,349,127,890	1.29285978
	2021	144,485,748,290	131,296,424,420	1.10045455
	2022	136,149,421,933	122,013,107,598	1.11585898
	2023	169,857,852,787	120,642,482,448	1.40794395
DSNG	2019	8.253.944.000.000	19.291.174.000.000	0.427861156
	2020	8.213.550.000.000	20.895.858.000.000	0.393070722

KODE	TAHUN	TOTAL HUTANG	TOTAL EKUITAS	DER
	2021	7.809.608.000.000	23.349.683.000.000	0.334463127
	2022	10.296.052.000.000	25.149.999.000.000	0.409385782
	2023	13.520.331.000.000	26.327.214.000.000	0.51354963
BWPT	2019	12,823,219,000,000	10,214,809,000,000	1.25535573
	2020	14,754,081,000,000	11,896,814,000,000	1.24017077
	2021	14,539,790,000,000	11,411,970,000,000	1.27408239
	2022	15,486,946,000,000	13,102,710,000,000	1.18196510
	2023	19,036,110,000,000	13,654,777,000,000	1.39409893
GZCO	2019	2,344,198,361,000	1,896,646,094,000	1.23597036
	2020	2,619,935,420,000	2,028,641,621,000	1.29147277
	2021	2,690,291,167,000	2,028,641,621,000	1.32615398
	2022	3,388,705,377,000	2,048,039,833,000	1.65460912
	2023	3,671,859,617,000	2,075,138,470,000	1.76945282
MGRO	2019	1,347,391,000,000	840,488,000,000	1.60310558
	2020	1,554,580,000,000	916,213,000,000	1.69674519
	2021	1,662,175,000,000	930,675,000,000	1.78598866
	2022	1,874,034,000,000	913,516,000,000	2.05145175
	2023	2,300,107,000,000	702,317,000,000	3.27502680
PNGO	2019	835,881,014,674	87,485,419,125	9.55451803
	2020	859,736,792,345	35,946,225,736	23.91730355
	2021	785,048,342,887	390,322,799,164	2.01127975
	2022	797,420,679,087	514,751,714,943	1.54913652
	2023	853,992,588,474	601,894,555,174	1.41884086
LSIP	2019	254,539,097,693	271,590,217,470	0.93721747
	2020	391,708,143,237	533,406,306,270	0.73435229
	2021	363,428,319,392	590,123,647,820	0.61585114
	2022	507,406,880,546	703,402,561,482	0.72136058
	2023	803,638,004,050	765,168,946,137	1.05027525
PGUN	2019	6,676,781,411,219	4,288,337,297,565	1.55696275
	2020	6,059,395,120,910	4,692,597,823,392	1.29126666
	2021	6,930,049,292,233	4,582,994,996,488	1.51212238
	2022	8,176,900,000,000	5,125,324,000,000	1.59539182
	2023	7,866,388,000,000	5,011,458,000,000	1.56968052
SIMP	2019	836,245,435,111	555,171,029,401	1.50628435
	2020	645,444,999,358	608,205,409,017	1.06122864
	2021	582,239,031,320	663,468,205,642	0.87756885
	2022	652,355,217,431	701,513,541,791	0.92992534
	2023	551,310,313,962	737,901,136,146	0.74713303
SGRO	2019	1.013.266.115.558	1.254.609.679.208	0.807634544
	2020	994.592.156.971	1.377.538.593.804	0.722006746
	2021	784.672.948.574	1.531.392.057.559	0.512391941

KODE	TAHUN	TOTAL HUTANG	TOTAL EKUITAS	DER
	2022	930.679.950.301	1.815.473.344.846	0.512637629
	2023	1.092.943.225.203	2.146.288.274.787	0.509224804
SMAR	2019	18,419,594,705,000	32,736,295,522,000	0.562665824
	2020	45,915,143,000,000	33,891,924,000,000	1.354751740
	2021	45,638,830,000,000	34,720,029,000,000	1.314481333
	2022	36,721,357,000,000	39,782,883,000,000	0.923044139
	2023	37,132,209,000,000	39,381,910,000,000	0.942874762
TBLA	2019	556.309.556.626	1.096.596.429.104	0.507305643
	2020	622.355.306.743	1.176.781.762.600	0.528862128
	2021	665.401.637.797	1.304.938.651.723	0.509910283
	2022	670.353.190.326	1.573.169.882.477	0.426116211
	2023	745.695.258.308	1.833.173.357.237	0.406778364

LAMPIRAN 4
TABULASI DATA VARIABEL KEPEMILIKAN MANJERIAL

KODE	TAHUN	Jumlah Saham Beredar	Saham KM	Kepemilikan Manajerial
ANTM	2019	24,030,764,725	172,285,000	0.0072
	2020	24,030,764,725	43,550,000	0.0018
	2021	24,030,764,725	2,325,000,000	0.0968
	2022	24,030,764,725	6,000,000	0.0002
	2023	24,030,764,725	12,500,000	0.0005
ARTI	2019	589,896,800	0	0.0000
	2020	589,896,800	0	0.0000
	2021	589,896,800	0	0.0000
	2022	589,896,800	0	0.0000
	2023	589,896,800	0	0.0000
BSML	2019	41,524,501,700	779,636,100	0.0188
	2020	41,524,501,700	644,636,100	0.0155
	2021	41,524,501,700	644,636,100	0.0155
	2022	41,524,501,700	651,290,700	0.0157
	2023	41,524,501,700	651,290,700	0.0157
CGAS	2019	16,398,000,000	523,600	0.0000
	2020	16,398,000,000	59,500	0.0000
	2021	16,398,000,000	0	0.0000
	2022	16,398,000,000	0	0.0000
	2023	16,398,000,000	0	0.0000
CITA	2019	800,659,050	0	0.0000
	2020	800,659,050	0	0.0000
	2021	800,659,050	0	0.0000
	2022	800,659,050	0	0.0000
	2023	800,659,050	0	0.0000
CNKO	2019	10,599,842,400	1,122,717,500	0.1059
	2020	10,599,842,400	1,047,717,500	0.0988
	2021	10,599,842,400	972,717,500	0.0918
	2022	10,599,842,400	972,717,500	0.0918
	2023	10,599,842,400	972,717,500	0.0918
COAL	2019	116,318,076,900	0	0.0000
	2020	116,318,076,900	0	0.0000
	2021	116,318,076,900	0	0.0000
	2022	116,318,076,900	0	0.0000
	2023	116,318,076,900	0	0.0000
CUAN	2019	11,661,908,000	0	0.0000
	2020	11,661,908,000	0	0.0000
	2021	11,661,908,000	0	0.0000
	2022	11,661,908,000	0	0.0000

KODE	TAHUN	Jumlah Saham Beredar	Saham KM	Kepemilikan Manajerial
	2023	11,661,908,000	0	0.0000
DKFT	2019	8,780,426,500	1,380,020	0.0002
	2020	8,780,426,500	1,461,020	0.0002
	2021	8,780,426,500	1,380,020	0.0002
	2022	8,780,426,500	1,380,020	0.0002
	2023	8,780,426,500	1,380,020	0.0002
ELSA	2019	11,386,157,970	0	0.0000
	2020	11,726,575,201	0	0.0000
	2021	11,719,214,001	0	0.0000
	2022	11,726,575,201	0	0.0000
	2023	11,726,575,201	0	0.0000
FIRE	2019	6,819,963,965	0	0.0000
	2020	6,819,963,965	0	0.0000
	2021	6,819,963,965	0	0.0000
	2022	6,819,963,965	0	0.0000
	2023	6,819,963,965	0	0.0000
HILL	2019	2,882,353,000	18,750,000	0.0065
	2020	2,882,353,000	18,750,000	0.0065
	2021	2,882,353,000	18,750,000	0.0065
	2022	2,882,353,000	18,750,000	0.0065
	2023	2,882,353,000	18,750,000	0.0065
IFSH	2019	2,107,000,000	0	0.0000
	2020	2,107,000,000	0	0.0000
	2021	2,107,000,000	0	0.0000
	2022	2,107,000,000	0	0.0000
	2023	2,107,000,000	0	0.0000
MAH A	2019	22,358,699,725	5,638,834,400	0.2522
	2020	22,358,699,725	5,638,834,400	0.2522
	2021	22,358,699,725	5,638,834,400	0.2522
	2022	22,358,699,725	5,638,834,400	0.2522
	2023	22,358,699,725	5,643,777,700	0.2524
MINE	2019	1,564,487,500	47,545,450	0.0304
	2020	1,564,487,500	50,574,350	0.0323
	2021	1,564,487,500	51,224,950	0.0327
	2022	1,564,487,500	51,810,750	0.0331
	2023	1,564,487,500	36,786,200	0.0235
NCKL	2019	6,186,488,888	0	0.0000
	2020	6,186,488,888	0	0.0000
	2021	6,186,488,888	0	0.0000
	2022	6,186,488,888	0	0.0000

KODE	TAHUN	Jumlah Saham Beredar	Saham KM	Kepemilikan Manajerial
	2023	6,186,488,888	0	0.0000
NICE	2019	621,666,450	4,603,391	0.0074
	2020	621,666,450	5,687,044	0.0091
	2021	621,666,450	5,687,044	0.0091
	2022	621,666,450	5,687,044	0.0091
	2023	621,675,350	5,817,044	0.0094
NICL	2019	2,872,193,366	0	0.0000
	2020	2,872,193,366	0	0.0000
	2021	2,872,193,366	0	0.0000
	2022	2,872,193,366	0	0.0000
	2023	2,872,193,366	0	0.0000
PKPK	2019	9,525,000,000	0	0.0000
	2020	9,525,000,000	0	0.0000
	2021	9,525,000,000	0	0.0000
	2022	9,525,000	0	0.0000
	2023	9,525,000	0	0.0000
PTBA	2019	11,553,528,000	3,910,143,100	0.3384
	2020	11,553,528,000	3,967,948,900	0.3434
	2021	11,553,528,000	4,160,913,460	0.3601
	2022	10,398,175,200	5,565,634,360	0.5353
	2023	10,398,175,200	5,598,964,960	0.5385
RMKE	2019	7,630,000,000	0	0.0000
	2020	7,630,000,000	0	0.0000
	2021	7,630,000,000	0	0.0000
	2022	38,150,000,000	0	0.0000
	2023	38,150,000,000	0	0.0000
RUIS	2019	31,985,962,000	4,263,235,248	0.1333
	2020	31,985,962,000	3,915,354,855	0.1224
	2021	31,985,962,000	3,966,286,105	0.1240
	2022	31,985,962,000	3,967,346,605	0.1240
	2023	31,985,962,000	3,964,846,605	0.1240
SMGA	2019	2,616,500,000	23,078,400	0.0088
	2020	2,616,500,000	2,565,600	0.0010
	2021	2,616,500,000	0	0.0000
	2022	2,616,500,000	7,847,100	0.0030
	2023	2,616,500,000	5,283,000	0.0020
SMMT	2019	3,333,333,500	2,167,303,600	0.6502
	2020	3,333,333,500	2,167,253,300	0.6502
	2021	3,333,333,500	2,209,782,700	0.6629
	2022	3,333,333,500	2,189,478,100	0.6568

KODE	TAHUN	Jumlah Saham Beredar	Saham KM	Kepemilikan Manajerial
	2023	3,333,333,500	2,194,994,900	0.6585
SURE	2019	3,370,734,900	0	0.0000
	2020	3,370,734,900	0	0.0000
	2021	3,370,734,900	8,338,000	0.0025
	2022	3,370,734,900	8,388,000	0.0025
	2023	3,960,361,250	0	0.0000
ZINC	2019	2,703,620,000	380,000,000	0.1406
	2020	2,703,620,000	300,000,000	0.1110
	2021	2,703,620,000	300000000	0.1110
	2022	2,703,620,000	300000000	0.1110
	2023	2,703,620,000	300000000	0.1110
BEEF	2019	3,218,600,000	300	0.0000
	2020	9,311,800,000	6,093,200,000	0.6544
	2021	9,311,800,000	5,923,849,517	0.6362
	2022	9,311,800,000	6,803,253,672	0.7306
	2023	9,311,800,001	6,803,253,673	0.7306
BISI	2019	2,191,870,558	49,000,000	0.0224
	2020	2,191,870,558	49,000,000	0.0224
	2021	2,191,870,558	49,000,000	0.0224
	2022	2,191,870,558	49,000,000	0.0224
	2023	2,191,870,559	49,000,001	0.0224
CPRO	2019	5,885,000,000	6,400,000	0.0011
	2020	5,885,000,000	6,400,000	0.0011
	2021	5,885,000,000	6,400,000	0.0011
	2022	5,885,000,000	6,400,000	0.0011
	2023	5,885,000,001	6,400,001	0.0011
DSFI	2019	595,000,000	0	0.0000
	2020	595,000,000	0	0.0000
	2021	595,000,000	0	0.0000
	2022	595,000,000	0	0.0000
	2023	595,000,001	1	0.0000
ANDI	2019	12,000,000,000	9,750,000,000	0.8125
	2020	12,000,000,000	9,764,900,000	0.8137
	2021	12,000,000,000	9,764,900,000	0.8137
	2022	12,000,000,000	9,225,600,000	0.7688
	2023	12,000,000,001	9,225,600,001	0.7688
ANJT	2019	560,242,105	0	0.0000
	2020	560,284,938	0	0.0000
	2021	889,863,981	0	0.0000

KODE	TAHUN	Jumlah Saham Beredar	Saham KM	Kepemilikan Manajerial
	2022	889,863,981	0	0.0000
	2023	889,863,982	1	0.0000
DSNG	2019	2,052,500,000	1,030,355,000	0.5020
	2020	2,052,500,000	3,752,768,268	1.8284
	2021	9,468,359,000	3,752,768,268	0.3963
	2022	9,468,359,000	3,752,768,268	0.3963
	2023	9,468,359,001	3,752,768,269	0.3963
BWPT	2019	7,379,580,291	731,609,001	0.0991
	2020	7,379,580,291	752,102,701	0.1019
	2021	7,379,580,291	3,742,513,505	0.5071
	2022	7,379,580,291	3,380,727,450	0.4581
	2023	7,379,580,292	3,380,727,451	0.4581
GZCO	2019	500,000,000	220,640,000	0.4413
	2020	833,333,000	220,640,000	0.2648
	2021	833,333,000	220,640,000	0.2648
	2022	833,333,000	220,640,000	0.2648
	2023	833,333,001	220,640,001	0.2648
MGR O	2019	8,780,426,500	1,380,020	0.0002
	2020	8,780,426,500	1,380,020	0.0002
	2021	8,780,426,500	1,380,020	0.0002
	2022	8,780,426,500	1,380,020	0.0002
	2023	8,780,426,501	1,380,021	0.0002
PNGO	2019	22,358,699,725	5,638,834,400	0.2522
	2020	22,358,699,725	5,638,834,400	0.2522
	2021	22,358,699,725	5,643,777,700	0.2524
	2022	22,358,699,725	5,643,777,700	0.2524
	2023	22,358,699,726	5,643,777,701	0.2524
LSIP	2019	1166666700	0	0.0000
	2020	1166666700	0	0.0000
	2021	1166666700	0	0.0000
	2022	1166666700	0	0.0000
	2023	1166666700	0	0.0000
PGUN	2019	1,440,000,000	65,984,333	0.0458
	2020	1,440,000,000	65,984,333	0.0458
	2021	1,440,000,000	65,984,333	0.0458
	2022	1,440,000,000	65,984,333	0.0458
	2023	1,440,000,001	65,984,334	0.0458
SIMP	2019	18,850,000,000	1,600,000,000	0.0849

KODE	TAHUN	Jumlah Saham Beredar	Saham KM	Kepemilikan Manajerial
	2020	18,850,000,000	1,600,000,000	0.0849
	2021	18,850,000,000	1,600,000,000	0.0849
	2022	18,850,000,000	1,600,000,000	0.0849
	2023	18,850,000,001	1,600,000,001	0.0849
SGRO	2019	6,186,488,888	0	0.0000
	2020	6,186,488,888	0	0.0000
	2021	6,186,488,888	0	0.0000
	2022	6,186,488,888	0	0.0000
	2023	6,186,488,889	1	0.0000
SMAR	2019	1,726,003,217	38,304,991	0.0222
	2020	1,726,003,217	38,304,991	0.0222
	2021	1,726,003,217	38,304,991	0.0222
	2022	1,726,003,217	39,624,185	0.0230
	2023	1,726,003,218	39,624,186	0.0230
TBLA	2019	11,553,528,000	4,160,913,460	0.3601
	2020	11,553,528,000	5,565,634,360	0.4817
	2021	11,553,528,000	5,598,964,960	0.4846
	2022	11,553,528,000	5,632,527,360	0.4875
	2023	11,553,528,001	5,632,527,361	0.4875