**LAMPIRAN**

**Lampiran 1. Data Perusahaan**

|  |  |  |  |
| --- | --- | --- | --- |
| DAFTAR SELURUH PERUSAHAAN DES'16 - MEI'21 (filter 1) | | | |
| No | **Kode Saham** | **Nama Perusahaan** | **Terdaftar JII per Desember 2016 - Mei 2021** |
| 1 | AALI | Astra Agro Lestari, Tbk. | Keluar |
| 2 | ACES | Ace Hardware Indonesia, Tbk | Keluar |
| 3 | ADHI | Adhi Karya (Persero), Tbk. | Keluar |
| 4 | ADRO | Adaro Energy Tbk. | Tetap |
| 5 | AKRA | AKR Corporindo Tbk. | Tetap |
| 6 | ANTM | Aneka Tambang Tbk. | Tetap |
| 7 | ASII | Astra International Tbk. | Keluar |
| 8 | BRPT | Barito Pacific Tbk. | Baru |
| 9 | BSDE | Bumi Serpong Damai Tbk. | Keluar |
| 10 | BTPS | Bank BTN Syariah, Tbk. | Baru |
| 11 | CPIN | Charoen Pokphand Indonesia Tbk. | Baru |
| 12 | CTRA | Ciputra Development Tbk. | Keluar |
| 13 | ERAA | Erajaya Swasembada, Tbk. | Keluar |
| 14 | EXCL | XL Axiata Tbk. | Baru |
| 15 | ICBP | Indofood CBP Sukses Makmur Tbk. | Tetap |
| 16 | INCO | Vale Indonesia Tbk. | Tetap |
| 17 | INDF | Indofood Sukses Makmur Tbk. | Tetap |
| 18 | INDY | Indika Energy Tbk. | Keluar |
| 19 | INKP | Indah Kiat Pulp & Paper, Tbk. | Baru |
| 20 | INTP | Indocement Tunggal Prakarsa Tbk. | Baru |
| 21 | ITMG | Indo Tambangraya Megah Tbk. | Keluar |
| 22 | JPFA | Japfa Comfeed Indonesia, Tbk. | Baru |
| 23 | JSMR | Jasa Marga (Persero) Tbk. | Keluar |
| 24 | KAEF | Kimia Farma, Tbk | Baru |
| 25 | KLBF | Kalbe Farma Tbk. | Tetap |
| 26 | LPKR | Lippo Karawaci, Tbk. | Keluar |
| 27 | LPPF | Matahari Department Store Tbk. | Keluar |
| 28 | LSIP | PP London Sumatra Indonesia, Tbk. | Keluar |
| 29 | MDKA | Merdeka Copper Gold, Tbk. | Baru |
| 30 | MIKA | Mitra Keluarga Karyasehat, Tbk. | Baru |
| 31 | MNCN | Media Nusantara Citra, Tbk. | Baru |
| 32 | MYRX | Hanson Internasional, Tbk. | Keluar |
| 33 | PGAS | Perusahaan Gas Negara (Persero) Tbk. | Baru |
| 34 | PPRO | PP Properti, Tbk. | Keluar |
| 35 | PTBA | Bukit Asam Tbk. | Tetap |
| 36 | PTPP | PP (Persero) Tbk. | Baru |
| 37 | PWON | Pakuwon Jati, Tbk. | Baru |
| 38 | SCMA | Surya Citra Media Tbk. | Baru |
| 39 | SILO | Siloam International Hospitals, Tbk. | Keluar |
| 40 | SMGR | Semen Indonesia (Persero) Tbk. | Baru |
| 41 | SMRA | Summarecon Agung Tbk. | Keluar |
| 42 | SSMS | Sawir Sumbermas Sarana, Tbk. | Keluar |
| 43 | TKIM | Pabrik Kertas Tjiwi Kimia, Tbk. | Baru |
| 44 | TLKM | Telekomunikasi Indonesia (Persero) Tbk. | Tetap |
| 45 | TPIA | Chandra Asri Petrochemical Tbk. | Baru |
| 46 | UNTR | United Tractors Tbk. | Tetap |
| 47 | UNVR | Unilever Indonesia Tbk. | Tetap |
| 48 | WIKA | Wijaya Karya (Persero) Tbk. | Tetap |
| 49 | WSBP | Waskita Beton Precast Tbk. | Keluar |
| 50 | WSKT | Waskita Karya (Persero), Tbk. | Keluar |
|  |  |  |  |
|  |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **DAFTAR PERUSAHAAN DES'16 - MEI'21 (filter 2)** | | | | | | |
| **No** | **Kode Saham** | **Nama Perusahaan** | **Tahun** | ***Annual Report*** | | ***Sustainability Report*** |
| **Keterangan** | **Mata Uang** |
| 1 | ADRO | Adaro Energy Tbk. | 2016 | Ada | Dolar | Tidak Ada |
| 2017 | Ada | Dolar | Tidak Ada |
| 2018 | Ada | Dolar | Tidak Ada |
| 2019 | Ada | Dolar | Ada |
| 2020 | Ada | Dolar | Ada |
| 2 | AKRA | AKR Corporindo Tbk. | 2016 | Ada | Rupiah | Ada |
| 2017 | Ada | Rupiah | Ada |
| 2018 | Ada | Rupiah | Ada |
| 2019 | Ada | Rupiah | Ada |
| 2020 | Ada | Rupiah | Ada |
| 3 | ANTM | Aneka Tambang Tbk. | 2016 | Ada | Rupiah | Ada |
| 2017 | Ada | Rupiah | Ada |
| 2018 | Ada | Rupiah | Ada |
| 2019 | Ada | Rupiah | Ada |
| 2020 | Ada | Rupiah | Ada |
| 4 | ICBP | Indofood CBP Sukses Makmur Tbk. | 2016 | Ada | Rupiah | Tidak Ada |
| 2017 | Ada | Rupiah | Tidak Ada |
| 2018 | Ada | Rupiah | Tidak Ada |
| 2019 | Ada | Rupiah | Tidak Ada |
| 2020 | Ada | Rupiah | Tidak Ada |
| 5 | INCO | Vale Indonesia Tbk. | 2016 | Ada | Dolar | Tidak Ada |
| 2017 | Ada | Dolar | Ada |
| 2018 | Ada | Dolar | Ada |
| 2019 | Ada | Dolar | Ada |
| 2020 | Ada | Dolar | Ada |
| 6 | INDF | Indofood Sukses Makmur Tbk. | 2016 | Ada | Rupiah | Tidak Ada |
| 2017 | Ada | Rupiah | Tidak Ada |
| 2018 | Ada | Rupiah | Tidak Ada |
| 2019 | Ada | Rupiah | Tidak Ada |
| 2020 | Ada | Rupiah | Tidak Ada |
| 7 | KLBF | Kalbe Farma Tbk. | 2016 | Ada | Rupiah | Tidak Ada |
| 2017 | Ada | Rupiah | Ada |
| 2018 | Ada | Rupiah | Ada |
| 2019 | Ada | Rupiah | Ada |
| 2020 | Ada | Rupiah | Ada |
| 8 | PTBA | Bukit Asam Tbk. | 2016 | Ada | Rupiah | Ada |
| 2017 | Ada | Rupiah | Ada |
| 2018 | Ada | Rupiah | Ada |
| 2019 | Ada | Rupiah | Ada |
| 2020 | Ada | Rupiah | Ada |
| 9 | TLKM | Telekomunikasi Indonesia (Persero) Tbk. | 2016 | Ada | Rupiah | Ada |
| 2017 | Ada | Rupiah | Tidak Ada |
| 2018 | Ada | Rupiah | Tidak Ada |
| 2019 | Ada | Rupiah | Tidak Ada |
| 2020 | Ada | Rupiah | Ada |
| 10 | UNTR | United Tractors Tbk. | 2016 | Ada | Rupiah | Ada |
| 2017 | Ada | Rupiah | Ada |
| 2018 | Ada | Rupiah | Ada |
| 2019 | Ada | Rupiah | Ada |
| 2020 | Ada | Rupiah | Ada |
| 11 | UNVR | Unilever Indonesia Tbk. | 2016 | Ada | Rupiah | Ada |
| 2017 | Ada | Rupiah | Ada |
| 2018 | Ada | Rupiah | Ada |
| 2019 | Ada | Rupiah | Ada |
| 2020 | Ada | Rupiah | Ada |
| 12 | WIKA | Wijaya Karya (Persero) Tbk. | 2016 | Ada | Rupiah | Ada |
| 2017 | Ada | Rupiah | Ada |
| 2018 | Ada | Rupiah | Ada |
| 2019 | Ada | Rupiah | Ada |
| 2020 | Ada | Rupiah | Ada |

**Data Tabulasi**

**Y – Kinerja Keuangan Perusahaan**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Y - RETURN ON ASSETS (KINERJA KEUANGAN PERUSAHAAN)** | | | | | |
| **No** | **Tahun** | **Kode** | **Laba** | **Total Aset** | **ROA** |
| 1 | 2016 | AKRA | 1.046.852.086,00 | 15.830.740.710,00 | 0,066 |
| 2 |  | ANTM | 64.806.188,00 | 29.981.535.812,00 | 0,002 |
| 3 |  | PTBA | 2.024.405,00 | 18.576.774,00 | 0,109 |
| 4 |  | UNTR | 5.104.477,00 | 82.262.093,00 | 0,062 |
| 5 |  | UNVR | 6.390.672,00 | 16.745.695,00 | 0,382 |
| 6 |  | WIKA | 1.211.029.310,00 | 31.355.204.690,00 | 0,039 |
| 7 | 2017 | AKRA | 1.304.600.520,00 | 16.823.208.531,00 | 0,078 |
| 8 |  | ANTM | 136.503.269,00 | 30.014.273.452,00 | 0,005 |
| 9 |  | PTBA | 4.547.232,00 | 21.987.482,00 | 0,207 |
| 10 |  | UNTR | 7.673.322,00 | 63.991.229,00 | 0,120 |
| 11 |  | UNVR | 7.004.562,00 | 18.906.413,00 | 0,370 |
| 12 |  | WIKA | 1.356.115.489,00 | 45.683.774.302,00 | 0,030 |
| 13 | 2018 | AKRA | 1.596.652.821,00 | 19.940.850.599,00 | 0,080 |
| 14 |  | ANTM | 874.426.593,00 | 33.306.390.807,00 | 0,026 |
| 15 |  | PTBA | 5.121.112,00 | 24.172.933,00 | 0,212 |
| 16 |  | UNTR | 11.498.409,00 | 116.281.017,00 | 0,099 |
| 17 |  | UNVR | 9.081.187,00 | 20.326.869,00 | 0,447 |
| 18 |  | WIKA | 2.073.299.864,00 | 59.230.001.239,00 | 0,035 |
| 19 | 2019 | AKRA | 703.077.279,00 | 21.409.046.173,00 | 0,033 |
| 20 |  | ANTM | 193.852.031,00 | 30.194.907.730,00 | 0,006 |
| 21 |  | PTBA | 4.040.394,00 | 26.098.052,00 | 0,155 |
| 22 |  | UNTR | 11.134.641,00 | 111.713.375,00 | 0,100 |
| 23 |  | UNVR | 7.392.837,00 | 20.649.371,00 | 0,358 |
| 24 |  | WIKA | 2.621.015.140,00 | 62.110.847.154,00 | 0,042 |
| 25 | 2020 | AKRA | 961.997.313,00 | 18.683.572.815,00 | 0,051 |
| 26 |  | ANTM | 1.149.353.693,00 | 31.729.512.995,00 | 0,036 |
| 27 |  | PTBA | 2.407.927,00 | 24.056.755,00 | 0,100 |
| 28 |  | UNTR | 5.632.425,00 | 99.800.963,00 | 0,056 |
| 29 |  | UNVR | 7.163.536,00 | 20.534.632,00 | 0,349 |
| 30 |  | WIKA | 322.342.513,00 | 68.109.185.213,00 | 0,005 |

**X1 – *Cash Conversion Cycle***

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **X1 - CASH CONVERSION CYCLE** | | | | | | |
| **No** | **Tahun** | **Kode** | **DIO** | **DSO** | **DPO** | **CCC** |
| 1 | 2016 | AKRA | 25,17 | 248,52 | 90,56 | 183,130 |
| 2 |  | ANTM | 69,45 | 83,61 | 28,96 | 124,101 |
| 3 |  | PTBA | 44,13 | 114,08 | 31,85 | 126,362 |
| 4 |  | UNTR | 78,52 | 370,29 | 140,02 | 308,792 |
| 5 |  | UNVR | 42,99 | 208,35 | 88,33 | 163,001 |
| 6 |  | WIKA | 57,06 | 315,80 | 119,86 | 253,005 |
| 7 | 2017 | AKRA | 21,51 | 207,30 | 77,38 | 151,427 |
| 8 |  | ANTM | 43,86 | 72,19 | 23,08 | 92,978 |
| 9 |  | PTBA | 37,59 | 118,97 | 23,73 | 132,825 |
| 10 |  | UNTR | 54,53 | 328,45 | 125,22 | 257,766 |
| 11 |  | UNVR | 43,03 | 204,77 | 83,73 | 164,068 |
| 12 |  | WIKA | 55,00 | 271,26 | 105,37 | 220,890 |
| 13 | 2018 | AKRA | 20,16 | 200,65 | 72,81 | 148,000 |
| 14 |  | ANTM | 27,55 | 46,64 | 16,47 | 57,723 |
| 15 |  | PTBA | 39,14 | 123,75 | 27,97 | 134,927 |
| 16 |  | UNTR | 61,70 | 382,13 | 150,99 | 292,839 |
| 17 |  | UNVR | 44,54 | 202,82 | 80,24 | 167,125 |
| 18 |  | WIKA | 65,03 | 353,09 | 146,43 | 271,682 |
| 19 | 2019 | AKRA | 27,44 | 272,95 | 99,79 | 200,599 |
| 20 |  | ANTM | 24,69 | 35,25 | 12,25 | 47,680 |
| 21 |  | PTBA | 37,77 | 95,16 | 26,62 | 106,315 |
| 22 |  | UNTR | 71,13 | 394,45 | 153,68 | 311,897 |
| 23 |  | UNVR | 44,44 | 202,66 | 79,39 | 167,704 |
| 24 |  | WIKA | 98,68 | 464,84 | 199,52 | 364,009 |
| 25 | 2020 | AKRA | 30,97 | 275,89 | 103,05 | 203,810 |
| 26 |  | ANTM | 35,25 | 38,16 | 11,26 | 62,152 |
| 27 |  | PTBA | 31,30 | 91,92 | 24,57 | 98,655 |
| 28 |  | UNTR | 73,28 | 330,16 | 120,16 | 283,280 |
| 29 |  | UNVR | 43,52 | 201,62 | 78,23 | 166,903 |
| 30 |  | WIKA | 202,63 | 729,84 | 328,29 | 604,181 |

**X2 – Dewan Komisaris**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **X2 - DEWAN KOMISARIS** | | | | |
| **No** | **Tahun** | **Kode** | **= ∑ DK** | **Dewan Komisaris** |
| 1 | 2016 | AKRA | 3 | 3 |
| 2 |  | ANTM | 6 | 6 |
| 3 |  | PTBA | 6 | 6 |
| 4 |  | UNTR | 6 | 6 |
| 5 |  | UNVR | 5 | 5 |
| 6 |  | WIKA | 6 | 6 |
| 7 | 2017 | AKRA | 3 | 3 |
| 8 |  | ANTM | 6 | 6 |
| 9 |  | PTBA | 6 | 6 |
| 10 |  | UNTR | 6 | 6 |
| 11 |  | UNVR | 5 | 5 |
| 12 |  | WIKA | 6 | 6 |
| 13 | 2018 | AKRA | 3 | 3 |
| 14 |  | ANTM | 5 | 5 |
| 15 |  | PTBA | 6 | 6 |
| 16 |  | UNTR | 6 | 6 |
| 17 |  | UNVR | 5 | 5 |
| 18 |  | WIKA | 7 | 7 |
| 19 | 2019 | AKRA | 3 | 3 |
| 20 |  | ANTM | 6 | 6 |
| 21 |  | PTBA | 6 | 6 |
| 22 |  | UNTR | 6 | 6 |
| 23 |  | UNVR | 5 | 5 |
| 24 |  | WIKA | 7 | 7 |
| 25 | 2020 | AKRA | 3 | 3 |
| 26 |  | ANTM | 6 | 6 |
| 27 |  | PTBA | 6 | 6 |
| 28 |  | UNTR | 6 | 6 |
| 29 |  | UNVR | 6 | 6 |
| 30 |  | WIKA | 7 | 7 |

**X3 – Komite Audit**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **X3 - KOMITE AUDIT** | | | | |
| **No** | **Tahun** | **Kode** | **= ∑ DK** | **Dewan Komisaris** |
| 1 | 2016 | AKRA | 3 | 3 |
| 2 |  | ANTM | 4 | 4 |
| 3 |  | PTBA | 3 | 3 |
| 4 |  | UNTR | 3 | 3 |
| 5 |  | UNVR | 3 | 3 |
| 6 |  | WIKA | 5 | 5 |
| 7 | 2017 | AKRA | 3 | 3 |
| 8 |  | ANTM | 4 | 4 |
| 9 |  | PTBA | 3 | 3 |
| 10 |  | UNTR | 3 | 3 |
| 11 |  | UNVR | 3 | 3 |
| 12 |  | WIKA | 5 | 5 |
| 13 | 2018 | AKRA | 3 | 3 |
| 14 |  | ANTM | 4 | 4 |
| 15 |  | PTBA | 4 | 4 |
| 16 |  | UNTR | 3 | 3 |
| 17 |  | UNVR | 3 | 3 |
| 18 |  | WIKA | 5 | 5 |
| 19 | 2019 | AKRA | 3 | 3 |
| 20 |  | ANTM | 4 | 4 |
| 21 |  | PTBA | 4 | 4 |
| 22 |  | UNTR | 3 | 3 |
| 23 |  | UNVR | 3 | 3 |
| 24 |  | WIKA | 5 | 5 |
| 25 | 2020 | AKRA | 3 | 3 |
| 26 |  | ANTM | 4 | 4 |
| 27 |  | PTBA | 4 | 4 |
| 28 |  | UNTR | 3 | 3 |
| 29 |  | UNVR | 3 | 3 |
| 30 |  | WIKA | 6 | 6 |

**X4 – Kepemilikan Instutusional**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **X4 - KEPEMILIKAN INSTITUSIONAL** | | | | | |
| **No** | **Tahun** | **Kode** | **Saham Beredar** | **Saham Dimiliki** | **KI** |
| 1 | 2016 | AKRA | 3.991.781.170 | 2.338.456.120 | 1,707 |
| 2 |  | ANTM | 24.030.764.725 | 15.619.999.999 | 1,538 |
| 3 |  | PTBA | 2.304.131.849 | 1.498.087.499 | 1,538 |
| 4 |  | UNTR | 3.730.135.136 | 2.219.317.358 | 1,681 |
| 5 |  | UNVR | 7.630.000.000 | 6.484.877.500 | 1,177 |
| 6 |  | WIKA | 8.969.951.372 | 5.834.850.000 | 1,537 |
| 7 | 2017 | AKRA | 4.006.329.420 | 2.342.456.120 | 1,710 |
| 8 |  | ANTM | 24.030.764.725 | 15.619.999.999 | 1,538 |
| 9 |  | PTBA | 11.520.659.250 | 7.490.437.495 | 1,538 |
| 10 |  | UNTR | 3.730.135.136 | 2.219.317.358 | 1,681 |
| 11 |  | UNVR | 7.630.000.000 | 6.484.877.500 | 1,177 |
| 12 |  | WIKA | 8.969.951.372 | 5.834.850.000 | 1,537 |
| 13 | 2018 | AKRA | 4.014.694.920 | 2.349.056.120 | 1,709 |
| 14 |  | ANTM | 24.030.764.725 | 15.619.999.999 | 1,538 |
| 15 |  | PTBA | 11.520.659.250 | 7.490.437.495 | 1,538 |
| 16 |  | UNTR | 3.730.135.136 | 2.219.317.358 | 1,681 |
| 17 |  | UNVR | 7.630.000.000 | 6.484.877.500 | 1,177 |
| 18 |  | WIKA | 8.969.951.372 | 5.834.850.000 | 1,537 |
| 19 | 2019 | AKRA | 4.014.694.920 | 2.369.056.120 | 1,695 |
| 20 |  | ANTM | 24.030.764.725 | 15.619.999.999 | 1,538 |
| 21 |  | PTBA | 11.520.659.250 | 7.595.650.695 | 1,517 |
| 22 |  | UNTR | 3.730.135.136 | 2.219.317.358 | 1,681 |
| 23 |  | UNVR | 7.630.000.000 | 6.484.877.500 | 1,177 |
| 24 |  | WIKA | 8.969.951.372 | 5.834.850.000 | 1,537 |
| 25 | 2020 | AKRA | 4.014.694.920 | 2.392.626.120 | 1,678 |
| 26 |  | ANTM | 24.030.764.725 | 15.619.999.999 | 1,538 |
| 27 |  | PTBA | 11.520.659.250 | 7.595.650.695 | 1,517 |
| 28 |  | UNTR | 3.730.135.136 | 2.219.317.358 | 1,681 |
| 29 |  | UNVR | 38.150.000.000 | 32.424.387.500 | 1,177 |
| 30 |  | WIKA | 8.969.951.372 | 5.834.850.000 | 1,537 |

**X5 – Pengungkapan *Sustainability Report***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **X5 - PENGUNGKAPAN SUSTAINABILITY REPORT** | | | | | |
| **No** | **Tahun** | **Kode** | **n** | **K** | **SRDI** |
| 1 | 2016 | AKRA | 77 | 148 | 0,520 |
| 2 |  | ANTM | 68 | 148 | 0,459 |
| 3 |  | PTBA | 62 | 148 | 0,419 |
| 4 |  | UNTR | 61 | 148 | 0,412 |
| 5 |  | UNVR | 50 | 148 | 0,338 |
| 6 |  | WIKA | 47 | 148 | 0,318 |
| 7 | 2017 | AKRA | 57 | 148 | 0,385 |
| 8 |  | ANTM | 74 | 148 | 0,500 |
| 9 |  | PTBA | 51 | 148 | 0,345 |
| 10 |  | UNTR | 59 | 148 | 0,399 |
| 11 |  | UNVR | 53 | 148 | 0,358 |
| 12 |  | WIKA | 47 | 148 | 0,318 |
| 13 | 2018 | AKRA | 62 | 148 | 0,419 |
| 14 |  | ANTM | 71 | 148 | 0,480 |
| 15 |  | PTBA | 100 | 148 | 0,676 |
| 16 |  | UNTR | 54 | 148 | 0,365 |
| 17 |  | UNVR | 64 | 148 | 0,432 |
| 18 |  | WIKA | 57 | 148 | 0,385 |
| 19 | 2019 | AKRA | 62 | 148 | 0,419 |
| 20 |  | ANTM | 73 | 148 | 0,493 |
| 21 |  | PTBA | 80 | 148 | 0,541 |
| 22 |  | UNTR | 55 | 148 | 0,372 |
| 23 |  | UNVR | 55 | 148 | 0,372 |
| 24 |  | WIKA | 94 | 148 | 0,635 |
| 25 | 2020 | AKRA | 68 | 148 | 0,459 |
| 26 |  | ANTM | 85 | 148 | 0,574 |
| 27 |  | PTBA | 107 | 148 | 0,723 |
| 28 |  | UNTR | 64 | 148 | 0,432 |
| 29 |  | UNVR | 63 | 148 | 0,426 |
| 30 |  | WIKA | 89 | 148 | 0,601 |

**Lampiran 2. Hasil Uji Statistik Deskriptif**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Descriptive Statistics** | | | | | |
|  | **N** | **Minimum** | **Maximum** | **Mean** | **Std. Deviation** |
| Cash\_Conversion\_Cycle | 30 | 47,680 | 604,181 | 195,59420 | 112,254507 |
| Dewan\_Komisaris | 30 | 3,00 | 7,00 | 5,4333 | 1,22287 |
| Komite\_Audit | 30 | 3,00 | 6,00 | 3,6333 | ,85029 |
| Kepemilikan\_Institusional | 30 | 1,177 | 1,710 | 1,52707 | ,174473 |
| Pengungkapan\_SR | 30 | ,318 | ,723 | ,45250 | ,104928 |
| Kinerja\_Keuangan\_Perusahaan | 30 | ,002 | ,447 | ,12200 | ,129849 |
| Valid N (listwise) | 30 |  |  |  |  |

**Lampiran 3. Hasil Uji Normalitas**

|  |  |  |
| --- | --- | --- |
| **One-Sample Kolmogorov-Smirnov Test** | | |
|  | | Unstandardized Residual |
| N | | 30 |
| Normal Parametersa,b | Mean | ,0000000 |
| Std. Deviation | ,90919039 |
| Most Extreme Differences | Absolute | ,157 |
| Positive | ,084 |
| Negative | -,157 |
| Test Statistic | | ,157 |
| Asymp. Sig. (2-tailed) | | ,058c |
| a. Test distribution is Normal. | | |
| b. Calculated from data. | | |
| c. Lilliefors Significance Correction. | | |

**Lampiran 4. Hasil Uji Heteroskedastisitas**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Coefficientsa** | | | | | | |
| Model | | Unstandardized Coefficients | | Standardized Coefficients | t | Sig. |
| B | Std. Error | Beta |
| 1 | (Constant) | ,024 | 1,278 |  | ,019 | ,985 |
| Cash\_Conversion\_Cycle | -,300 | ,201 | -,261 | -1,495 | ,148 |
| Dewan\_Komisaris | ,353 | ,478 | ,148 | ,738 | ,468 |
| Komite\_Audit | 1,118 | ,621 | ,372 | 1,799 | ,085 |
| Kepemilikan\_Institusional | 1,071 | ,925 | ,204 | 1,157 | ,259 |
| Pengungkapan\_SR | ,371 | ,551 | ,125 | ,673 | ,507 |
| a. Dependent Variable: ABS\_RES2 | | | | | | |

**Lampiran 5. Hasil Uji Autokorelasi**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Model Summaryb** | | | | | |
| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate | Durbin-Watson |
| 1 | ,748a | ,560 | ,468 | ,99942 | 2,139 |
| a. Predictors: (Constant), Ln\_SR, Ln\_DK, Ln\_CCC, Ln\_KI, Ln\_KA | | | | | |
| b. Dependent Variable: Ln\_ROA | | | | | |

**Lampiran 6. Hasil Uji Multikolinieritas**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Coefficientsa** | | | | | | | | |
| Model | | Unstandardized Coefficients | | Standardized Coefficients | t | Sig. | Collinearity Statistics | |
| B | Std. Error | Beta | Tolerance | VIF |
| 1 | (Constant) | 1,625 | 2,253 |  | ,721 | ,478 |  |  |
| Ln\_CCC | ,516 | ,354 | ,212 | 1,457 | ,158 | ,869 | 1,151 |
| Ln\_DK | ,236 | ,843 | ,047 | ,280 | ,782 | ,660 | 1,515 |
| Ln\_KA | -3,887 | 1,095 | -,610 | -3,549 | ,002 | ,621 | 1,610 |
| Ln\_KI | -5,084 | 1,631 | -,458 | -3,117 | ,005 | ,850 | 1,177 |
| Ln\_SR | ,482 | ,971 | ,077 | ,497 | ,624 | ,770 | 1,298 |
| a. Dependent Variable: Ln\_ROA | | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Collinearity Diagnosticsa** | | | | | | | | | |
| Model | Dimension | Eigenvalue | Condition Index | Variance Proportions | | | | | |
| (Constant) | Ln\_CCC | Ln\_DK | Ln\_KA | Ln\_KI | Ln\_SR |
| 1 | 1 | 5,824 | 1,000 | ,00 | ,00 | ,00 | ,00 | ,00 | ,00 |
| 2 | ,085 | 8,263 | ,00 | ,00 | ,00 | ,00 | ,42 | ,25 |
| 3 | ,063 | 9,593 | ,00 | ,00 | ,06 | ,06 | ,27 | ,23 |
| 4 | ,011 | 22,647 | ,06 | ,49 | ,05 | ,26 | ,15 | ,46 |
| 5 | ,011 | 23,230 | ,00 | ,02 | ,84 | ,63 | ,14 | ,01 |
| 6 | ,005 | 34,078 | ,94 | ,49 | ,05 | ,05 | ,03 | ,04 |
| a. Dependent Variable: Ln\_ROA | | | | | | | | | |

**Lampiran 7. Hasil Uji Regresi Linier Berganda**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Coefficientsa** | | | | | | |
| Model | | Unstandardized Coefficients | | Standardized Coefficients | t | Sig. |
| B | Std. Error | Beta |
| 1 | (Constant) | 1,625 | 2,253 |  | ,721 | ,478 |
| Ln\_CCC | ,516 | ,354 | ,212 | 1,457 | ,158 |
| Ln\_DK | ,236 | ,843 | ,047 | ,280 | ,782 |
| Ln\_KA | -3,887 | 1,095 | -,610 | -3,549 | ,002 |
| Ln\_KI | -5,084 | 1,631 | -,458 | -3,117 | ,005 |
| Ln\_SR | ,482 | ,971 | ,077 | ,497 | ,624 |
| a. Dependent Variable: Ln\_ROA | | | | | | |

**Lampiran 8. Hasil Uji F**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ANOVAa** | | | | | | |
| Model | | Sum of Squares | Df | Mean Square | F | Sig. |
| 1 | Regression | 30,482 | 5 | 6,096 | 6,104 | ,001b |
| Residual | 23,972 | 24 | ,999 |  |  |
| Total | 54,454 | 29 |  |  |  |
| a. Dependent Variable: Ln\_ROA | | | | | | |
| b. Predictors: (Constant), Ln\_SR, Ln\_DK, Ln\_CCC, Ln\_KI, Ln\_KA | | | | | | |

**Lampiran 9. Hasil Uji t**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Coefficientsa** | | | | | | |
| Model | | Unstandardized Coefficients | | Standardized Coefficients | t | Sig. |
| B | Std. Error | Beta |
| 1 | (Constant) | 1,625 | 2,253 |  | ,721 | ,478 |
| Ln\_CCC | ,516 | ,354 | ,212 | 1,457 | ,158 |
| Ln\_DK | ,236 | ,843 | ,047 | ,280 | ,782 |
| Ln\_KA | -3,887 | 1,095 | -,610 | -3,549 | ,002 |
| Ln\_KI | -5,084 | 1,631 | -,458 | -3,117 | ,005 |
| Ln\_SR | ,482 | ,971 | ,077 | ,497 | ,624 |
| a. Dependent Variable: Ln\_ROA | | | | | | |

**Lampiran 10. Hasil Uji *Adjusted* R2**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Model Summaryb** | | | | |
| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate |
| 1 | ,748a | ,560 | ,468 | ,99942 |
| a. Predictors: (Constant), Ln\_SR, Ln\_DK, Ln\_CCC, Ln\_KI, Ln\_KA | | | | |
| b. Dependent Variable: Ln\_ROA | | | | |

**Lampiran11. Tabel Durbin Watson dan Tabel (F, t)**

**Tabel Durbin Watson**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| n | k=1 | | k=2 | | k=3 | | k=4 | | k=5 | |
| dL | dU | dL | dU | Dl | Du | Dl | dU | dL | dU |
| 6 | 0.6102 | 1.4002 |  |  |  |  |  |  |  |  |
| 7 | 0.6996 | 1.3564 | 0.4672 | 1.8964 |  |  |  |  |  |  |
| 8 | 0.7629 | 1.3324 | 0.5591 | 1.7771 | 0.3674 | 2.2866 |  |  |  |  |
| 9 | 0.8243 | 1.3199 | 0.6291 | 1.6993 | 0.4548 | 2.1282 | 0.2957 | 2.5881 |  |  |
| 10 | 0.8791 | 1.3197 | 0.6972 | 1.6413 | 0.5253 | 2.0163 | 0.3760 | 2.4137 | 0.2427 | 2.8217 |
| 11 | 0.9273 | 1.3241 | 0.7580 | 1.6044 | 0.5948 | 1.9280 | 0.4441 | 2.2833 | 0.3155 | 2.6446 |
| 12 | 0.9708 | 1.3314 | 0.8122 | 1.5794 | 0.6577 | 1.8640 | 0.5120 | 2.1766 | 0.3796 | 2.5061 |
| 13 | 1.0097 | 1.3404 | 0.8612 | 1.5621 | 0.7147 | 1.8159 | 0.5745 | 2.0943 | 0.4445 | 2.3897 |
| 14 | 1.0450 | 1.3503 | 0.9054 | 1.5507 | 0.7667 | 1.7788 | 0.6321 | 2.0296 | 0.5052 | 2.2959 |
| 15 | 1.0770 | 1.3605 | 0.9455 | 1.5432 | 0.8140 | 1.7501 | 0.6852 | 1.9774 | 0.5620 | 2.2198 |
| 16 | 1.1062 | 1.3709 | 0.9820 | 1.5386 | 0.8572 | 1.7277 | 0.7340 | 1.9351 | 0.6150 | 2.1567 |
| 17 | 1.1330 | 1.3812 | 1.0154 | 1.5361 | 0.8968 | 1.7101 | 0.7790 | 1.9005 | 0.6641 | 2.1041 |
| 18 | 1.1576 | 1.3913 | 1.0461 | 1.5353 | 0.9331 | 1.6961 | 0.8204 | 1.8719 | 0.7098 | 2.0600 |
| 19 | 1.1804 | 1.4012 | 1.0743 | 1.5355 | 0.9666 | 1.6851 | 0.8588 | 1.8482 | 0.7523 | 2.0226 |
| 20 | 1.2015 | 1.4107 | 1.1004 | 1.5367 | 0.9976 | 1.6763 | 0.8943 | 1.8283 | 0.7918 | 1.9908 |
| 21 | 1.2212 | 1.4200 | 1.1246 | 1.5385 | 1.0262 | 1.6694 | 0.9272 | 1.8116 | 0.8286 | 1.9635 |
| 22 | 1.2395 | 1.4289 | 1.1471 | 1.5408 | 1.0529 | 1.6640 | 0.9578 | 1.7974 | 0.8629 | 1.9400 |
| 23 | 1.2567 | 1.4375 | 1.1682 | 1.5435 | 1.0778 | 1.6597 | 0.9864 | 1.7855 | 0.8949 | 1.9196 |
| 24 | 1.2728 | 1.4458 | 1.1878 | 1.5464 | 1.1010 | 1.6565 | 1.0131 | 1.7753 | 0.9249 | 1.9018 |
| 25 | 1.2879 | 1.4537 | 1.2063 | 1.5495 | 1.1228 | 1.6540 | 1.0381 | 1.7666 | 0.9530 | 1.8863 |
| 26 | 1.3022 | 1.4614 | 1.2236 | 1.5528 | 1.1432 | 1.6523 | 1.0616 | 1.7591 | 0.9794 | 1.8727 |
| 27 | 1.3157 | 1.4688 | 1.2399 | 1.5562 | 1.1624 | 1.6510 | 1.0836 | 1.7527 | 1.0042 | 1.8608 |
| 28 | 1.3284 | 1.4759 | 1.2553 | 1.5596 | 1.1805 | 1.6503 | 1.1044 | 1.7473 | 1.0276 | 1.8502 |
| 29 | 1.3405 | 1.4828 | 1.2699 | 1.5631 | 1.1976 | 1.6499 | 1.1241 | 1.7426 | 1.0497 | 1.8409 |
| 30 | 1.3520 | 1.4894 | 1.2837 | 1.5666 | 1.2138 | 1.6498 | 1.1426 | 1.7386 | 1.0706 | 1.8326 |
| 31 | 1.3630 | 1.4957 | 1.2969 | 1.5701 | 1.2292 | 1.6500 | 1.1602 | 1.7352 | 1.0904 | 1.8252 |
| 32 | 1.3734 | 1.5019 | 1.3093 | 1.5736 | 1.2437 | 1.6505 | 1.1769 | 1.7323 | 1.1092 | 1.8187 |
| 33 | 1.3834 | 1.5078 | 1.3212 | 1.5770 | 1.2576 | 1.6511 | 1.1927 | 1.7298 | 1.1270 | 1.8128 |
| 34 | 1.3929 | 1.5136 | 1.3325 | 1.5805 | 1.2707 | 1.6519 | 1.2078 | 1.7277 | 1.1439 | 1.8076 |
| 35 | 1.4019 | 1.5191 | 1.3433 | 1.5838 | 1.2833 | 1.6528 | 1.2221 | 1.7259 | 1.1601 | 1.8029 |
| 36 | 1.4107 | 1.5245 | 1.3537 | 1.5872 | 1.2953 | 1.6539 | 1.2358 | 1.7245 | 1.1755 | 1.7987 |
| 37 | 1.4190 | 1.5297 | 1.3635 | 1.5904 | 1.3068 | 1.6550 | 1.2489 | 1.7233 | 1.1901 | 1.7950 |
| 38 | 1.4270 | 1.5348 | 1.3730 | 1.5937 | 1.3177 | 1.6563 | 1.2614 | 1.7223 | 1.2042 | 1.7916 |
| 39 | 1.4347 | 1.5396 | 1.3821 | 1.5969 | 1.3283 | 1.6575 | 1.2734 | 1.7215 | 1.2176 | 1.7886 |
| 40 | 1.4421 | 1.5444 | 1.3908 | 1.6000 | 1.3384 | 1.6589 | 1.2848 | 1.7209 | 1.2305 | 1.7859 |
| 41 | 1.4493 | 1.5490 | 1.3992 | 1.6031 | 1.3480 | 1.6603 | 1.2958 | 1.7205 | 1.2428 | 1.7835 |
| 42 | 1.4562 | 1.5534 | 1.4073 | 1.6061 | 1.3573 | 1.6617 | 1.3064 | 1.7202 | 1.2546 | 1.7814 |
| 43 | 1.4628 | 1.5577 | 1.4151 | 1.6091 | 1.3663 | 1.6632 | 1.3166 | 1.7200 | 1.2660 | 1.7794 |
| 44 | 1.4692 | 1.5619 | 1.4226 | 1.6120 | 1.3749 | 1.6647 | 1.3263 | 1.7200 | 1.2769 | 1.7777 |
| 45 | 1.4754 | 1.5660 | 1.4298 | 1.6148 | 1.3832 | 1.6662 | 1.3357 | 1.7200 | 1.2874 | 1.7762 |
| 46 | 1.4814 | 1.5700 | 1.4368 | 1.6176 | 1.3912 | 1.6677 | 1.3448 | 1.7201 | 1.2976 | 1.7748 |
| 47 | 1.4872 | 1.5739 | 1.4435 | 1.6204 | 1.3989 | 1.6692 | 1.3535 | 1.7203 | 1.3073 | 1.7736 |
| 48 | 1.4928 | 1.5776 | 1.4500 | 1.6231 | 1.4064 | 1.6708 | 1.3619 | 1.7206 | 1.3167 | 1.7725 |
| 49 | 1.4982 | 1.5813 | 1.4564 | 1.6257 | 1.4136 | 1.6723 | 1.3701 | 1.7210 | 1.3258 | 1.7716 |
| 50 | 1.5035 | 1.5849 | 1.4625 | 1.6283 | 1.4206 | 1.6739 | 1.3779 | 1.7214 | 1.3346 | 1.7708 |

**Tabel F**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **df**  **(N2)** | **df untuk pembilang (N1)** | | | | | | | | | | | | | | |
| **1** | **2** | 3 | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | |
| **1** | 161 | 199 | 216 | 225 | 230 | 234 | 237 | 239 | 241 | 242 | 243 | 244 | 245 | 245 | 246 | |
| **2** | 18.51 | 19.00 | 19.16 | 19.25 | 19.30 | 19.33 | 19.35 | 19.37 | 19.38 | 19.40 | 19.40 | 19.41 | 19.42 | 19.42 | 19.43 | |
| **3** | 10.13 | 9.55 | 9.28 | 9.12 | 9.01 | 8.94 | 8.89 | 8.85 | 8.81 | 8.79 | 8.76 | 8.74 | 8.73 | 8.71 | 8.70 | |
| **4** | 7.71 | 6.94 | 6.59 | 6.39 | 6.26 | 6.16 | 6.09 | 6.04 | 6.00 | 5.96 | 5.94 | 5.91 | 5.89 | 5.87 | 5.86 | |
| **5** | 6.61 | 5.79 | 5.41 | 5.19 | 5.05 | 4.95 | 4.88 | 4.82 | 4.77 | 4.74 | 4.70 | 4.68 | 4.66 | 4.64 | 4.62 | |
| **6** | 5.99 | 5.14 | 4.76 | 4.53 | 4.39 | 4.28 | 4.21 | 4.15 | 4.10 | 4.06 | 4.03 | 4.00 | 3.98 | 3.96 | 3.94 | |
| **7** | 5.59 | 4.74 | 4.35 | 4.12 | 3.97 | 3.87 | 3.79 | 3.73 | 3.68 | 3.64 | 3.60 | 3.57 | 3.55 | 3.53 | 3.51 | |
| **8** | 5.32 | 4.46 | 4.07 | 3.84 | 3.69 | 3.58 | 3.50 | 3.44 | 3.39 | 3.35 | 3.31 | 3.28 | 3.26 | 3.24 | 3.22 | |
| **9** | 5.12 | 4.26 | 3.86 | 3.63 | 3.48 | 3.37 | 3.29 | 3.23 | 3.18 | 3.14 | 3.10 | 3.07 | 3.05 | 3.03 | 3.01 | |
| **10** | 4.96 | 4.10 | 3.71 | 3.48 | 3.33 | 3.22 | 3.14 | 3.07 | 3.02 | 2.98 | 2.94 | 2.91 | 2.89 | 2.86 | 2.85 | |
| **11** | 4.84 | 3.98 | 3.59 | 3.36 | 3.20 | 3.09 | 3.01 | 2.95 | 2.90 | 2.85 | 2.82 | 2.79 | 2.76 | 2.74 | 2.72 | |
| **12** | 4.75 | 3.89 | 3.49 | 3.26 | 3.11 | 3.00 | 2.91 | 2.85 | 2.80 | 2.75 | 2.72 | 2.69 | 2.66 | 2.64 | 2.62 | |
| **13** | 4.67 | 3.81 | 3.41 | 3.18 | 3.03 | 2.92 | 2.83 | 2.77 | 2.71 | 2.67 | 2.63 | 2.60 | 2.58 | 2.55 | 2.53 | |
| **14** | 4.60 | 3.74 | 3.34 | 3.11 | 2.96 | 2.85 | 2.76 | 2.70 | 2.65 | 2.60 | 2.57 | 2.53 | 2.51 | 2.48 | 2.46 | |
| **15** | 4.54 | 3.68 | 3.29 | 3.06 | 2.90 | 2.79 | 2.71 | 2.64 | 2.59 | 2.54 | 2.51 | 2.48 | 2.45 | 2.42 | 2.40 | |
| **16** | 4.49 | 3.63 | 3.24 | 3.01 | 2.85 | 2.74 | 2.66 | 2.59 | 2.54 | 2.49 | 2.46 | 2.42 | 2.40 | 2.37 | 2.35 | |
| **17** | 4.45 | 3.59 | 3.20 | 2.96 | 2.81 | 2.70 | 2.61 | 2.55 | 2.49 | 2.45 | 2.41 | 2.38 | 2.35 | 2.33 | 2.31 | |
| **18** | 4.41 | 3.55 | 3.16 | 2.93 | 2.77 | 2.66 | 2.58 | 2.51 | 2.46 | 2.41 | 2.37 | 2.34 | 2.31 | 2.29 | 2.27 | |
| **19** | 4.38 | 3.52 | 3.13 | 2.90 | 2.74 | 2.63 | 2.54 | 2.48 | 2.42 | 2.38 | 2.34 | 2.31 | 2.28 | 2.26 | 2.23 | |
| **20** | 4.35 | 3.49 | 3.10 | 2.87 | 2.71 | 2.60 | 2.51 | 2.45 | 2.39 | 2.35 | 2.31 | 2.28 | 2.25 | 2.22 | 2.20 | |
| **21** | 4.32 | 3.47 | 3.07 | 2.84 | 2.68 | 2.57 | 2.49 | 2.42 | 2.37 | 2.32 | 2.28 | 2.25 | 2.22 | 2.20 | 2.18 | |
| **22** | 4.30 | 3.44 | 3.05 | 2.82 | 2.66 | 2.55 | 2.46 | 2.40 | 2.34 | 2.30 | 2.26 | 2.23 | 2.20 | 2.17 | 2.15 | |
| **23** | 4.28 | 3.42 | 3.03 | 2.80 | 2.64 | 2.53 | 2.44 | 2.37 | 2.32 | 2.27 | 2.24 | 2.20 | 2.18 | 2.15 | 2.13 | |
| **24** | 4.26 | 3.40 | 3.01 | 2.78 | 2.62 | 2.51 | 2.42 | 2.36 | 2.30 | 2.25 | 2.22 | 2.18 | 2.15 | 2.13 | 2.11 | |
| **25** | 4.24 | 3.39 | 2.99 | 2.76 | 2.60 | 2.49 | 2.40 | 2.34 | 2.28 | 2.24 | 2.20 | 2.16 | 2.14 | 2.11 | 2.09 | |
| **26** | 4.23 | 3.37 | 2.98 | 2.74 | 2.59 | 2.47 | 2.39 | 2.32 | 2.27 | 2.22 | 2.18 | 2.15 | 2.12 | 2.09 | 2.07 | |
| **27** | 4.21 | 3.35 | 2.96 | 2.73 | 2.57 | 2.46 | 2.37 | 2.31 | 2.25 | 2.20 | 2.17 | 2.13 | 2.10 | 2.08 | 2.06 | |
| **28** | 4.20 | 3.34 | 2.95 | 2.71 | 2.56 | 2.45 | 2.36 | 2.29 | 2.24 | 2.19 | 2.15 | 2.12 | 2.09 | 2.06 | 2.04 | |
| **29** | 4.18 | 3.33 | 2.93 | 2.70 | 2.55 | 2.43 | 2.35 | 2.28 | 2.22 | 2.18 | 2.14 | 2.10 | 2.08 | 2.05 | 2.03 | |
| **30** | 4.17 | 3.32 | 2.92 | 2.69 | 2.53 | 2.42 | 2.33 | 2.27 | 2.21 | 2.16 | 2.13 | 2.09 | 2.06 | 2.04 | 2.01 | |
| **31** | 4.16 | 3.30 | 2.91 | 2.68 | 2.52 | 2.41 | 2.32 | 2.25 | 2.20 | 2.15 | 2.11 | 2.08 | 2.05 | 2.03 | 2.00 | |
| **32** | 4.15 | 3.29 | 2.90 | 2.67 | 2.51 | 2.40 | 2.31 | 2.24 | 2.19 | 2.14 | 2.10 | 2.07 | 2.04 | 2.01 | 1.99 | |
| **33** | 4.14 | 3.28 | 2.89 | 2.66 | 2.50 | 2.39 | 2.30 | 2.23 | 2.18 | 2.13 | 2.09 | 2.06 | 2.03 | 2.00 | 1.98 | |
| **34** | 4.13 | 3.28 | 2.88 | 2.65 | 2.49 | 2.38 | 2.29 | 2.23 | 2.17 | 2.12 | 2.08 | 2.05 | 2.02 | 1.99 | 1.97 | |
| **35** | 4.12 | 3.27 | 2.87 | 2.64 | 2.49 | 2.37 | 2.29 | 2.22 | 2.16 | 2.11 | 2.07 | 2.04 | 2.01 | 1.99 | 1.96 | |
| **36** | 4.11 | 3.26 | 2.87 | 2.63 | 2.48 | 2.36 | 2.28 | 2.21 | 2.15 | 2.11 | 2.07 | 2.03 | 2.00 | 1.98 | 1.95 | |
| **37** | 4.11 | 3.25 | 2.86 | 2.63 | 2.47 | 2.36 | 2.27 | 2.20 | 2.14 | 2.10 | 2.06 | 2.02 | 2.00 | 1.97 | 1.95 | |
| **38** | 4.10 | 3.24 | 2.85 | 2.62 | 2.46 | 2.35 | 2.26 | 2.19 | 2.14 | 2.09 | 2.05 | 2.02 | 1.99 | 1.96 | 1.94 | |
| **39** | 4.09 | 3.24 | 2.85 | 2.61 | 2.46 | 2.34 | 2.26 | 2.19 | 2.13 | 2.08 | 2.04 | 2.01 | 1.98 | 1.95 | 1.93 | |
| **40** | 4.08 | 3.23 | 2.84 | 2.61 | 2.45 | 2.34 | 2.25 | 2.18 | 2.12 | 2.08 | 2.04 | 2.00 | 1.97 | 1.95 | 1.92 | |
| **41** | 4.08 | 3.23 | 2.83 | 2.60 | 2.44 | 2.33 | 2.24 | 2.17 | 2.12 | 2.07 | 2.03 | 2.00 | 1.97 | 1.94 | 1.92 | |
| **42** | 4.07 | 3.22 | 2.83 | 2.59 | 2.44 | 2.32 | 2.24 | 2.17 | 2.11 | 2.06 | 2.03 | 1.99 | 1.96 | 1.94 | 1.91 | |
| **43** | 4.07 | 3.21 | 2.82 | 2.59 | 2.43 | 2.32 | 2.23 | 2.16 | 2.11 | 2.06 | 2.02 | 1.99 | 1.96 | 1.93 | 1.91 | |
| **44** | 4.06 | 3.21 | 2.82 | 2.58 | 2.43 | 2.31 | 2.23 | 2.16 | 2.10 | 2.05 | 2.01 | 1.98 | 1.95 | 1.92 | 1.90 | |
| **45** | 4.06 | 3.20 | 2.81 | 2.58 | 2.42 | 2.31 | 2.22 | 2.15 | 2.10 | 2.05 | 2.01 | 1.97 | 1.94 | 1.92 | 1.89 | |
| **46** | 4.05 | 3.20 | 2.81 | 2.57 | 2.42 | 2.30 | 2.22 | 2.15 | 2.09 | 2.04 | 2.00 | 1.97 | 1.94 | 1.91 | 1.89 | |
| **47** | 4.05 | 3.20 | 2.80 | 2.57 | 2.41 | 2.30 | 2.21 | 2.14 | 2.09 | 2.04 | 2.00 | 1.96 | 1.93 | 1.91 | 1.88 | |
| **48** | 4.04 | 3.19 | 2.80 | 2.57 | 2.41 | 2.29 | 2.21 | 2.14 | 2.08 | 2.03 | 1.99 | 1.96 | 1.93 | 1.90 | 1.88 | |
| **49** | 4.04 | 3.19 | 2.79 | 2.56 | 2.40 | 2.29 | 2.20 | 2.13 | 2.08 | 2.03 | 1.99 | 1.96 | 1.93 | 1.90 | 1.88 | |
| **50** | 4.03 | 3.18 | 2.79 | 2.56 | 2.40 | 2.29 | 2.20 | 2.13 | 2.07 | 2.03 | 1.99 | 1.95 | 1.92 | 1.89 | 1.87 | |

**Tabel t**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Pr** | **0.25** | **0.10** | **0.05** | **0.025** | **0.01** | **0.005** | **0.001** |
| **df** | **0.50** | **0.20** | **0.10** | **0.050** | **0.02** | **0.010** | **0.002** |
| **1** | 1.00000 | 3.07768 | 6.31375 | 12.70620 | 31.82052 | 63.65674 | 318.30884 |
| **2** | 0.81650 | 1.88562 | 2.91999 | 4.30265 | 6.96456 | 9.92484 | 22.32712 |
| **3** | 0.76489 | 1.63774 | 2.35336 | 3.18245 | 4.54070 | 5.84091 | 10.21453 |
| **4** | 0.74070 | 1.53321 | 2.13185 | 2.77645 | 3.74695 | 4.60409 | 7.17318 |
| **5** | 0.72669 | 1.47588 | 2.01505 | 2.57058 | 3.36493 | 4.03214 | 5.89343 |
| **6** | 0.71756 | 1.43976 | 1.94318 | 2.44691 | 3.14267 | 3.70743 | 5.20763 |
| **7** | 0.71114 | 1.41492 | 1.89458 | 2.36462 | 2.99795 | 3.49948 | 4.78529 |
| **8** | 0.70639 | 1.39682 | 1.85955 | 2.30600 | 2.89646 | 3.35539 | 4.50079 |
| **9** | 0.70272 | 1.38303 | 1.83311 | 2.26216 | 2.82144 | 3.24984 | 4.29681 |
| **10** | 0.69981 | 1.37218 | 1.81246 | 2.22814 | 2.76377 | 3.16927 | 4.14370 |
| **11** | 0.69745 | 1.36343 | 1.79588 | 2.20099 | 2.71808 | 3.10581 | 4.02470 |
| **12** | 0.69548 | 1.35622 | 1.78229 | 2.17881 | 2.68100 | 3.05454 | 3.92963 |
| **13** | 0.69383 | 1.35017 | 1.77093 | 2.16037 | 2.65031 | 3.01228 | 3.85198 |
| **14** | 0.69242 | 1.34503 | 1.76131 | 2.14479 | 2.62449 | 2.97684 | 3.78739 |
| **15** | 0.69120 | 1.34061 | 1.75305 | 2.13145 | 2.60248 | 2.94671 | 3.73283 |
| **16** | 0.69013 | 1.33676 | 1.74588 | 2.11991 | 2.58349 | 2.92078 | 3.68615 |
| **17** | 0.68920 | 1.33338 | 1.73961 | 2.10982 | 2.56693 | 2.89823 | 3.64577 |
| **18** | 0.68836 | 1.33039 | 1.73406 | 2.10092 | 2.55238 | 2.87844 | 3.61048 |
| **19** | 0.68762 | 1.32773 | 1.72913 | 2.09302 | 2.53948 | 2.86093 | 3.57940 |
| **20** | 0.68695 | 1.32534 | 1.72472 | 2.08596 | 2.52798 | 2.84534 | 3.55181 |
| **21** | 0.68635 | 1.32319 | 1.72074 | 2.07961 | 2.51765 | 2.83136 | 3.52715 |
| **22** | 0.68581 | 1.32124 | 1.71714 | 2.07387 | 2.50832 | 2.81876 | 3.50499 |
| **23** | 0.68531 | 1.31946 | 1.71387 | 2.06866 | 2.49987 | 2.80734 | 3.48496 |
| **24** | 0.68485 | 1.31784 | 1.71088 | 2.06390 | 2.49216 | 2.79694 | 3.46678 |
| **25** | 0.68443 | 1.31635 | 1.70814 | 2.05954 | 2.48511 | 2.78744 | 3.45019 |
| **26** | 0.68404 | 1.31497 | 1.70562 | 2.05553 | 2.47863 | 2.77871 | 3.43500 |
| **27** | 0.68368 | 1.31370 | 1.70329 | 2.05183 | 2.47266 | 2.77068 | 3.42103 |
| **28** | 0.68335 | 1.31253 | 1.70113 | 2.04841 | 2.46714 | 2.76326 | 3.40816 |
| **29** | 0.68304 | 1.31143 | 1.69913 | 2.04523 | 2.46202 | 2.75639 | 3.39624 |
| **30** | 0.68276 | 1.31042 | 1.69726 | 2.04227 | 2.45726 | 2.75000 | 3.38518 |
| **31** | 0.68249 | 1.30946 | 1.69552 | 2.03951 | 2.45282 | 2.74404 | 3.37490 |
| **32** | 0.68223 | 1.30857 | 1.69389 | 2.03693 | 2.44868 | 2.73848 | 3.36531 |
| **33** | 0.68200 | 1.30774 | 1.69236 | 2.03452 | 2.44479 | 2.73328 | 3.35634 |
| **34** | 0.68177 | 1.30695 | 1.69092 | 2.03224 | 2.44115 | 2.72839 | 3.34793 |
| **35** | 0.68156 | 1.30621 | 1.68957 | 2.03011 | 2.43772 | 2.72381 | 3.34005 |
| **36** | 0.68137 | 1.30551 | 1.68830 | 2.02809 | 2.43449 | 2.71948 | 3.33262 |
| **37** | 0.68118 | 1.30485 | 1.68709 | 2.02619 | 2.43145 | 2.71541 | 3.32563 |
| **38** | 0.68100 | 1.30423 | 1.68595 | 2.02439 | 2.42857 | 2.71156 | 3.31903 |
| **39** | 0.68083 | 1.30364 | 1.68488 | 2.02269 | 2.42584 | 2.70791 | 3.31279 |
| **40** | 0.68067 | 1.30308 | 1.68385 | 2.02108 | 2.42326 | 2.70446 | 3.30688 |