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LAMPIRAN

**Lampiran 1 Populasi dan Sampel**

**1. Populasi Perusahaan Manufaktur Sektor *Food And Beverages* yang**

**terdaftar di BEI tahun 2016-2020**

|  |  |  |
| --- | --- | --- |
| No. | Kode | Nama Perusahaan |
| 1 | AISA | PT Tiga [Pil](https://www.sahamu.com/emiten/sektor-industri-barang-konsumsi/sub-sektor-makanan-minuman/)ar Sejahtera Food Tbk |
| 2 | ALTO | PT Tri Banyan Tirta Tbk, |
| 3 | CAMP | PT Campina Ice Cream Industry Tbk. |
| 4 | CEKA | PT Wilmar Cahaya Indonesia Tbk,  ( *d.h Cahaya Kalbar Tbk, PT* ) |
| 5 | CLEO | PT Sariguna Primatirta Tbk. |
| 6 | COCO | PT Wahana Interfood Nusantara Tbk. |
| 7 | DLTA | PT Delta Djakarta Tbk |
| 8 | DMND | PT Diamond Food Indonesia Tbk. |
| 9 | FOOD | PT Sentra Food Indonesia Tbk. |
| 10 | GOOD | PT Garudafood Putra Putri Jaya Tbk. |
| 11 | HOKI | PT Buyung Poetra Sembada Tbk, |
| 12 | ICBP | PT Indofood CBP Sukses Makmur Tbk, |
| 13 | IKAN | PT Era Mandiri Cemerlang Tbk. |
| 14 | INDF | PT Indofood Sukses Makmur Tbk. |
| 15 | KEJU | PT Mulia Boga Raya Tbk. |
| 16 | MLBI | PT Multi Bintang Indonesia Tbk. |
| 17 | MYOR | PT Mayora Indah Tbk. |
| 18 | PANI | PT Pratama Abadi Nusa Industri Tbk. |
| 19 | PCAR | PT Prima Cakrawala Abadi Tbk. |
| 20 | PSDN | PT Prashida Aneka Niaga Tbk. |
| 21 | PSGO | PT Palma Serasih Tbk. |
| 22 | ROTI | PT Nippon Indosari Corporindo Tbk. |
| 23 | SKBM | PT Sekar [Bumi](https://www.sahamu.com/emiten/sektor-industri-barang-konsumsi/sub-sektor-makanan-minuman/)Tbk. |
| 24 | SKLT | PT Sekar Laut Tbk. |
| 25 | STTP | PT Siantar Top Tbk. |
| 26 | ULTJ | PT Ultrajaya Milk Industry and Trading Company Tbk. |

**2. Sampel Perusahaan Manufaktur Sektor *Food And Beverages* yang**

**terdaftar di BEI tahun 2016-2020**

|  |  |  |
| --- | --- | --- |
| No. | Kode | Nama Perusahaan |
| 1 | AISA | PT Tiga [Pil](https://www.sahamu.com/emiten/sektor-industri-barang-konsumsi/sub-sektor-makanan-minuman/)ar Sejahtera Food Tbk |
| 2 | CEKA | PT Wilmar Cahaya Indonesia Tbk.  ( *d.h Cahaya Kalbar Tbk. PT* ) |
| 3 | DLTA | PT Delta Djakarta Tbk |
| 4 | ICBP | PT Indofood CBP Sukses Makmur Tbk. |
| 5 | INDF | PT Indofood Sukses Makmur Tbk. |
| 6 | MLBI | PT Multi Bintang Indonesia Tbk. |
| 7 | MYOR | PT Mayora Indah Tbk. |
| 8 | PSDN | PT Prashida Aneka Niaga Tbk. |
| 9 | ROTI | PT Nippon Indosari Corporindo Tbk. |
| 10 | SKBM | PT Sekar [Bumi](https://www.sahamu.com/emiten/sektor-industri-barang-konsumsi/sub-sektor-makanan-minuman/)Tbk. |
| 11 | SKLT | PT Sekar Laut Tbk. |
| 12 | STTP | PT Siantar Top Tbk. |
| 13 | ULTJ | PT Ultrajaya Milk Industry and Trading Company Tbk. |

**Lampiran 2 Hasil data olahan Struktur Modal (DER)**

**1. DER 2016**

|  |  |  |  |
| --- | --- | --- | --- |
| KODE | Total Utang | Total Equitas | DER |
| AISA | Rp 2.485.809 | Rp 4.264.400 | 58,292 |
| CEKA | Rp 53.804.438.690 | Rp 887.920.113.728 | 6,060 |
| DLTA | Rp 185.422.642 | Rp 1.012.374.008 | 18,316 |
| ICPB | Rp 10.401.125 | Rp 18.500.823 | 56,220 |
| INDF | Rp 38.233.092 | Rp 43.941.423 | 87,009 |
| MLBI | Rp 144.398 | Rp 820.640 | 17,596 |
| MYOR | Rp 665.716.582.077 | Rp 6.265.255.987.065 | 10,626 |
| ROTI | Rp 147.688.986.692 | Rp 1.442.751.772.026 | 10,237 |
| SKBM | Rp 63.326.775.358 | Rp 368.389.286.646 | 17, 190 |
| SKLT | Rp 27.208.864.479 | Rp 296.151.295.872 | 9, 187 |
| STTP | Rp 1.167.899.357.271 | Rp 1.168.512.137.670 | 99,948 |
| ULTJ | Rp 1.204.137 | Rp 4.704.258 | 25,597 |
| PSDN | Rp 37.351.385.025 | Rp 280.285.340.383 | 13,326 |

**2. DER 2017**

|  |  |  |  |
| --- | --- | --- | --- |
| KODE | Total Utang | Total Equitas | DER |
| AISA | Rp 1,175,414 | Rp 3,347,901 | 35.109 |
| CEKA | Rp 45,209,179,614 | Rp 903,044,187,067 | 5.006 |
| DLTA | Rp 56,512,464 | Rp 1,144,645,393 | 4.937 |
| ICPB | Rp 4,467,596 | Rp 20,324,330 | 21.982 |
| INDF | Rp 19,660,348 | Rp 47,102,766 | 41.739 |
| MLBI | Rp 141,059 | Rp 1,064,905 | 13.246 |
| MYOR | Rp 3,087,875,111,223 | Rp 7,354,346,366,072 | 41.987 |
| ROTI | Rp 712,291,462,742 | Rp 2,820,105,715,429 | 25.258 |
| SKBM | Rp 117,221,275,463 | Rp 1,023,237,460,399 | 11.456 |
| SKLT | Rp 32,871,443,582 | Rp 307,569,774,228 | 10.687 |
| STTP | Rp 957,660,374,836 | Rp 1,384,772,068,360 | 69.157 |
| ULTJ | Rp 1,200,721 | Rp 5,173,388 | 23.210 |
| PSDN | Rp 39,149,455,680 | Rp 299,519,909,843 | 13.071 |

**3. DER 2018**

|  |  |  |  |
| --- | --- | --- | --- |
| KODE | Total Utang | Total Equitas | DER |
| AISA | Rp 89.518 | Rp 3.450.942 | 2,594 |
| CEKA | Rp 34.052.874.614 | Rp 976.647.575.842 | 3,487 |
| DLTA | Rp 47.053.513 | Rp 1.284.163.814 | 3,664 |
| ICPB | Rp 4.424.605 | Rp 22.707. 150 | 19,486 |
| INDF | Rp 15.416.894 | Rp 49.916.800 | 30,885 |
| MLBI | Rp 143.046 | Rp 1.167.536 | 12,252 |
| MYOR | Rp 4.284.651.557.827 | Rp 8.542.544.481.694 | 50, 157 |
| ROTI | Rp 951.487.110.723 | Rp 2.916.901.120.111 | 32,620 |
| SKBM | Rp 116.708.612.900 | Rp 1.040.576.552.571 | 11,216 |
| SKLT | Rp 40.805.771.435 | Rp 339.236.007.000 | 12,029 |
| STTP | Rp 984.801.863.078 | Rp 1.646.387.946.952 | 59,816 |
| ULTJ | Rp 810.051 | Rp 7.578.133 | 10,689 |
| PSDN | Rp 45.476.027.998 | Rp 242.897.129.653 | 18,722 |

**4. DER 2019**

|  |  |  |  |
| --- | --- | --- | --- |
| KODE | Total Utang | Total Equitas | DER |
| AISA | Rp 273.896 | Rp 1.657.853 | 16,521 |
| CEKA | Rp 39.344.314.614 | Rp 1.131.294.696.834 | 3,478 |
| DLTA | Rp 51.833.027 | Rp 1.213.563.332 | 4,271 |
| ICPB | Rp 5.481.851 | Rp 26.671. 104 | 20,554 |
| INDF | Rp 17.309.209 | Rp 54.202.488 | 31,934 |
| MLBI | Rp 162.250 | Rp 1.146.007 | 14, 158 |
| MYOR | Rp 5.411.619.071.954 | Rp 9.911.940.195.318 | 54,597 |
| ROTI | Rp 482.548.147.289 | Rp 3.092.597.379.097 | 15,603 |
| SKBM | Rp [117.182.231.079](https://117.182.231.079) | Rp 1.035.820.381.000 | 11,313 |
| SKLT | Rp 41.046.359.860 | Rp 380.381.947.966 | 10,791 |
| STTP | Rp 733.556.075.974 | Rp 2.148.007.007.980 | 34, 151 |
| ULTJ | Rp 2.302.201 | Rp 5.655.139 | 40,710 |
| PSDN | Rp 58.752.831.446 | Rp175.963.488.806 | 33,389 |

**5. DER 2020**

|  |  |  |  |
| --- | --- | --- | --- |
| KODE | Total Utang | Total Equitas | DER |
| AISA | Rp 327.851 | Rp 828.257 | 39,583 |
| CEKA | Rp 34.317.827.614 | Rp 1.260.714.994.864 | 2,722 |
| DLTA | Rp 49.056.069 | Rp 1.019.898.963 | 4,810 |
| ICPB | Rp 5.986.516 | Rp 50.318.053 | 11,897 |
| INDF | Rp 57.889.827 | Rp 79.138.044 | 73, 150 |
| MLBI | Rp 135.578 | Rp 1.433.406 | 9,458 |
| MYOR | Rp 5. 121.197.356.575 | Rp 11.271.468.049.958 | 45,435 |
| ROTI | Rp 783.286.302.308 | Rp 3.227.671.047.731 | 24,268 |
| SKBM | Rp 119.805.712.554 | Rp 961.981.659.335 | 12,454 |
| SKLT | Rp 36.690.847.173 | Rp 406.954.570.727 | 9,016 |
| STTP | Rp 775.696.860.738 | Rp 2.673.298.199.144 | 29,016 |
| ULTJ | Rp 2.239.728 | Rp 4.781.737 | 46,839 |
| PSDN | Rp 645.223.998.886 | Rp 1.201.515.408.197 | 53,701 |

**6. DER 2021**

|  |  |  |  |
| --- | --- | --- | --- |
| KODE | Total Utang | Total Equitas | DER |
| AISA | Rp 2.343.616 | Rp 3.966.907 | 59,079 |
| CEKA | Rp 310.020.233.374 | Rp 1.387.366.962.835 | 22,346 |
| DLTA | Rp 298.548.048 | Rp [1.010.174.017](https://1.010.174.017) | 29,554 |
| ICPB | Rp 6.186.516 | Rp 49.318.053 | 12,544 |
| INDF | Rp 92.724.082 | Rp 86.632.111 | 107,032 |
| MLBI | Rp 1.822.860 | Rp 10.991.570 | 16,584 |
| MYOR | Rp 8.557.621.869.393 | Rp 11.360.031.961.008 | 75,331 |
| ROTI | Rp 793.286.301.122 | Rp 3.897.671.047.888 | 20,353 |
| SKBM | Rp 804.436.836.369 | Rp 972.870.389.805 | 82,687 |
| SKLT | Rp 347.288.021.564 | Rp 541.837.229.228 | 64,095 |
| STTP | Rp 618.395.061.219 | Rp 3.300.468.622.529 | 18,737 |
| ULTJ | Rp 2.268.730 | Rp 5.138.126 | 44,155 |
| PSDN | Rp 745.223.991.245 | Rp 1.101.515.400.022 | 67,654 |

**7. DER Manufaktur Sektor *Food And Beverages* 2016-2020**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **NO** | **TAHUN** | | | | | | |
| **KODE** | **2016** | **2017** | **2018** | **2019** | **2020** | **2021** |
| 1 | AISA | 58,292 | 35, 109 | 2,594 | 16,521 | 39,583 | 59,079 |
| 2 | CEKA | 6,060 | 5,006 | 3,487 | 3,478 | 2,722 | 22,346 |
| 3 | DLTA | 18,316 | 4,937 | 3,664 | 4,271 | 4,810 | 29,554 |
| 4 | ICPB | 56,220 | 21,982 | 19,486 | 20,554 | 11,897 | 12,544 |
| 5 | INDF | 87,009 | 41,739 | 30,885 | 31,934 | 73, 150 | 107,032 |
| 6 | MLBI | 17,596 | 13,246 | 12,252 | 14, 158 | 9,458 | 16,584 |
| 7 | MYOR | 10,626 | 41,987 | 50, 157 | 54,597 | 45,435 | 75,331 |
| 8 | ROTI | 10,237 | 25,258 | 32,620 | 15,603 | 24,268 | 20,353 |
| 9 | SKBM | 17, 190 | 11,456 | 11,216 | 11,313 | 12,454 | 82,687 |
| 10 | SKLT | 9, 187 | 106,875 | 12,029 | 10,791 | 9,016 | 64,095 |
| 11 | STTP | 99,948 | 69, 157 | 59,816 | 34, 151 | 29,016 | 18,737 |
| 12 | ULTJ | 25,597 | 23,210 | 10,689 | 40,710 | 46,839 | 44,155 |
| 13 | PSDN | 13,326 | 130,707 | 18,722 | 33,389 | 53,701 | 67,654 |

**Lampiran 3 Hasil Resiko Sistematik (X1)**

**1. Resiko Sistematik Perusahaan Manufaktur Sektor *Food And Beverages***

**yang terdaftar di Bursa Efek Indonesia Tahun 2016-2020**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Tahun | KODE | Harga  Saham | RF | IHSG | RM | Beta  Sekuritas i | RS |
| 1 | 2016 | AISA | 1945 | 3,0861 | 2340 | 0, 1688 | 2,4667 | 4, 1099 |
| 2 | CEKA | 1350 | 0,046512 | 5296 | 0,7451 | 0, 1666 | 0,0699 |
| 3 | DLTA | 5000 | 0,0893 | 6225 | 0, 1968 | 0,0190 | 0,0914 |
| 4 | ICPB | 8575 | 0,03652 | 18025 | 0,5243 | 1,8661 | 1,0100 |
| 5 | INDF | 7925 | 0,0393 | 9200 | 0, 1386 | 0,4839 | 0,0874 |
| 6 | MLBI | 11750 | 0, 14077 | 13225 | 0, 1115 | 0, 1236 | 0, 1719 |
| 7 | MYOR | 1645 | 0, 1856 | 4195 | 0,6079 | 0, 1610 | 0,3134 |
| 8 | ROTI | 1600 | 0,333333 | 1770 | 0,0960 | 0,3308 | 0,2548 |
| 9 | SKBM | 640 | 0, 1049 | 900 | 0,2889 | 0,0526 | 0, 1256 |
| 10 | SKLT | 308 | 0,72 | 398 | 0,2261 | 0,6938 | 1,3765 |
| 11 | STTP | 3190 | 0,0333 | 3467 | 0,0799 | 0,0369 | 0,0375 |
| 12 | ULTJ | 38800 | 0,3059 | 50050 | 0,2248 | 0, 1802 | 0,4016 |
| 13 | PSDN | 134 | 0,4766 | 356 | 0,6236 | 0, 1100 | 0,5976 |
| 14 | 2017 | AISA | 476 | 1,833333 | 675 | 0,2948 | 0,5553 | 0,9790 |
| 15 | CEKA | 1290 | 0,0618 | 6355 | 0,7970 | 0,0528 | 0, 1071 |
| 16 | DLTA | 4590 | 0, 16545 | 6109 | 0,2486 | 0,2157 | 0,2548 |
| 17 | ICPB | 8900 | 0, 1483 | 6289 | 0,4152 | 0,0153 | 0, 1524 |
| 18 | INDF | 7625 | 0,02349 | 6200 | 0,2298 | 0,0010 | 0,0232 |
| 19 | MLBI | 13675 | 0, 1453 | 15090 | 0,0938 | 0,2016 | 0, 1935 |
| 20 | MYOR | 2020 | 0,22901 | 5000 | 0,5960 | 0,2230 | 0,4130 |
| 21 | ROTI | 1200 | 0,0588 | 1330 | 0,0977 | 0,0500 | 0,0667 |
| 22 | SKBM | 715 | 0,028777 | 950 | 0,2474 | 0,0417 | 0,0379 |
| 23 | SKLT | 1100 | 0,2667 | 1300 | 0, 1538 | 0,2140 | 0,3567 |
| 24 | STTP | 3300 | 0, 12 | 3600 | 0,0833 | 0,0661 | 0, 1335 |
| 25 | ULTJ | 55900 | 0,2313 | 61055 | 0,0844 | 0,0707 | 0,2417 |
| 26 | PSDN | 256 | 0,333333 | 400 | 0,3600 | 0,2908 | 0,3256 |
| 27 | 2018 | AISA | 168 | 0,0562 | 434 | 0,6129 | 0, 1793 | 0,0638 |
| 28 | CEKA | 1375 | 0, 17665 | 6709 | 0,7951 | 0, 1084 | 0,2820 |
| 29 | DLTA | 5500 | 0, 1912 | 7789 | 0,2939 | 0, 1952 | 0,2859 |
| 30 | ICPB | 10450 | 0,06278 | 6194 | 0,6871 | 0,0323 | 0,0830 |
| 31 | INDF | 7450 | 0,0599 | 6194 | 0,2028 | 0,0139 | 0,0619 |
| 32 | MLBI | 16000 | 0,032258 | 18900 | 0, 1534 | 0,0800 | 0,0420 |
| 33 | MYOR | 2620 | 0,2780 | 6435 | 0,5929 | 0,4300 | 0,4134 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 34 |  | ROTI | 1275 | 0,0625 | 1400 | 0,0893 | 0,0667 | 0,0726 |
| 35 | SKBM | 695 | 0,6951 | 912 | 0,2379 | 0,3029 | 0,5567 |
| 36 | SKLT | 1500 | 0,04276 | 1654 | 0,0931 | 0,0271 | 0,0464 |
| 37 | STTP | 3750 | 0, 1667 | 3855 | 0,0272 | 0,3628 | 0,2370 |
| 38 | ULTJ | 45400 | 0,080952 | 65700 | 0,3090 | 0,0396 | 0,0900 |
| 39 | PSDN | 192 | 0,2549 | 564 | 0,6596 | 0, 1280 | 0,3067 |
| 40 | 2019 | AISA | 178 | 0, 11881 | 368 | 0,5163 | 0,2684 | 0,2893 |
| 41 | CEKA | 1670 | 0,0644 | 7525 | 0,7781 | 0,0254 | 0,0858 |
| 42 | DLTA | 6800 | 0,545455 | 9678 | 0,2974 | 0,5610 | 0,4063 |
| 43 | ICPB | 11150 | 0, 1645 | 6000 | 0,8583 | 0,0035 | 0, 1609 |
| 44 | INDF | 7925 | 0, 156934 | 6109 | 0,2973 | 0,0217 | 0, 1471 |
| 45 | MLBI | 15500 | 0,5979 | 17500 | 0, 1143 | 0,4475 | 0,3815 |
| 46 | MYOR | 2050 | 0,24354 | 4500 | 0,5444 | 0,2969 | 0,4775 |
| 47 | ROTI | 1360 | 0,3267 | 1500 | 0,0933 | 0,3333 | 0,4668 |
| 48 | SKBM | 410 | 0,265432 | 700 | 0,4143 | 0,2727 | 0,3060 |
| 49 | SKLT | 1567 | 0,5670 | 1700 | 0,0782 | 0,4167 | 0,3633 |
| 50 | STTP | 4500 | 0,52632 | 6050 | 0,2562 | 0,4500 | 0,8784 |
| 51 | ULTJ | 42000 | 0,0633 | 63200 | 0,3354 | 0,0925 | 0,0885 |
| 52 | PSDN | 153 | 0, 176923 | 500 | 0,6940 | 0, 1236 | 0,2408 |
| 53 | 2020 | AISA | 202 | 0, 1222 | 503 | 0,5984 | 0,2575 | 0,2448 |
| 54 | CEKA | 1785 | 0, 115625 | 7721 | 0,7688 | 0,0512 | 0, 1491 |
| 55 | DLTA | 4400 | 0,0427 | 6200 | 0,2903 | 0,0255 | 0,0490 |
| 56 | ICPB | 9575 | 0,026259 | 5979 | 0,6014 | 0, 1072 | 0,0410 |
| 57 | INDF | 6850 | 0,0224 | 5979 | 0, 1457 | 0, 1237 | 0,0016 |
| 58 | MLBI | 9700 | 0,075388 | 12090 | 0, 1977 | 0,2090 | 0, 1009 |
| 59 | MYOR | 2710 | 0,0788 | 6400 | 0,5766 | 0,0266 | 0,0921 |
| 60 | ROTI | 2020 | 0, 122222 | 2250 | 0, 1022 | 0, 1139 | 0, 1199 |
| 61 | SKBM | 324 | 0,0800 | 550 | 0,4109 | 0,3750 | 0,2041 |
| 62 | SKLT | 1000 | 0,034126 | 1200 | 0, 1667 | 0, 1881 | 0,0591 |
| 63 | STTP | 9500 | 0,0166 | 11000 | 0, 1364 | 0, 1012 | 0,0287 |
| 64 | ULTJ | 39500 | 0,038927 | 57850 | 0,3172 | 0, 1547 | 0,0820 |
| 65 | PSDN | 130 | 0,3000 | 445 | 0,7079 | 0, 1125 | 0,3459 |
| 66 | 2021 | AISA | 180 | -0,2885 | 400 | 0,55 | -0,1111 | 0,382 |
| 67 | CEKA | 1600 | -0,0465 | 7345 | 0,7821 | 16,9146 | 13,970 |
| 68 | DLTA | 4220 | -0,0622 | 6046 | 0,3020 | -0,1997 | 0,135 |
| 69 | ICPB | 9330 | 0,0129 | 5400 | -0,7277 | -0,1000 | 0,087 |
| 70 | INDF | 6700 | -0,0147 | 5321 | -0,259 | -0,0146 | 0,011 |
| 71 | MLBI | 9020 | -0,0217 | 10000 | 0,098 | 0,8748 | 0,083 |
| 72 | MYOR | 2512 | 0,0048 | 6234 | 0,597 | -0,3828 | 0,222 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 73 |  | ROTI | 1800 | -0,0863 | 2020 | 0,1089 | -0,6892 | 0,221 |
| 74 |  | SKBM | 300 | -0,0354 | 400 | 0,25 | -0,9390 | 0,303 |
| 75 |  | SKLT | 967 | -0,0330 | 1010 | 0,042 | -0,5142 | 0,072 |
| 76 |  | STTP | 9345 | -0,0101 | 9989 | 0,0644 | 21,4977 | 1,592 |
|  |  |  |  |  |  |  |
| 77 |  | ULTJ | 38020 | -0,0502 | 50100 | 0,2411 | 47,4995 | 13,788 |
| 78 |  | PSDN | 100 | -0,2481 | 400 | 0,75 | -0,9922 | 1,238 |

**2. Resiko Sistematik 2016-2021**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **NO** | **TAHUN** | | | | | | |
|  | **KODE** | **2016** | **2017** | **2018** | **2019** | **2020** | **2021** |
| 1 | AISA | 4, 1099 | 0,9790 | 0,0638 | 0,2893 | 0,2448 | 0,382 |
| 2 | CEKA | 0,0699 | 0, 1071 | 0,2820 | 0,0858 | 0, 1491 | 13,970 |
| 3 | DLTA | 0,0914 | 0,2548 | 0,2859 | 0,4063 | 0,0490 | 0,135 |
| 4 | ICPB | 1,0100 | 0, 1524 | 0,0830 | 0, 1609 | 0,0410 | 0,087 |
| 5 | INDF | 0,0874 | 0,0232 | 0,0619 | 0, 1471 | 0,0016 | 0,011 |
| 6 | MLBI | 0, 1719 | 0, 1935 | 0,0420 | 0,3815 | 0, 1009 | 0,083 |
| 7 | MYOR | 0,3134 | 0,4130 | 0,4134 | 0,4775 | 0,0921 | 0,222 |
| 8 | ROTI | 0,2548 | 0,0667 | 0,0726 | 0,4668 | 0, 1199 | 0,221 |
| 9 | SKBM | 0, 1256 | 0,0379 | 0,5567 | 0,3060 | 0,2041 | 0,303 |
| 10 | SKLT | 1,3765 | 0,3567 | 0,0464 | 0,3633 | 0,0591 | 0,072 |
| 11 | STTP | 0,0375 | 0, 1335 | 0,2370 | 0,8784 | 0,0287 | 1,592 |
| 12 | ULTJ | 0,4016 | 0,2417 | 0,0900 | 0,0885 | 0,0820 | 13,788 |
| 13 | PSDN | 0,5976 | 0,3256 | 0,3067 | 0,2408 | 0,3459 | 1,238 |

**Lampiran 4 Hasil *Current Ratio* (X2)**

**1. Hasil *Current Ratio* 2016**

|  |  |  |  |
| --- | --- | --- | --- |
| KODE | Aktiva Lancar | Hutang Lancar | *Current Ratio* |
| AISA | Rp 549.164 | Rp 2.485.809 | 22,092 |
| CEKA | Rp 110.386.252.070 | Rp 538.044.038.690 | 20,516 |
| DLTA | Rp 104.133.697 | Rp 185.422.642 | 56, 160 |
| ICPB | Rp 15.571.362 | Rp 10.401.125 | 149,708 |
| INDF | Rp 28.985.443 | Rp 38.233.092 | 75,812 |
| MLBI | Rp 901.258 | Rp 1.454.398 | 61,968 |
| MYOR | Rp 8.739.782.750.141 | Rp 6.657.165.872.077 | 131,284 |
| ROTI | Rp 949.414.338.057 | Rp 1.476.889.086.692 | 64,285 |
| SKBM | Rp 519.269.756.899 | Rp 633.267.725.358 | 81,998 |
| SKLT | Rp 222.686.872.602 | Rp 272.088.644.079 | 81,844 |
| STTP | Rp 921.133.961.428 | Rp 1.167.899.357.271 | 78,871 |
| ULTJ | Rp 6.588.109 | Rp 12.041.437 | 54,712 |
| PSDN | Rp 349.455.819.960 | Rp 373.511.385.025 | 93,560 |

**2. Hasil *Current Ratio* 2017**

|  |  |  |  |
| --- | --- | --- | --- |
| KODE | Aktiva Lancar | Hutang Lancar | *Current Ratio* |
| AISA | Rp 881.092 | Rp 1.175.414 | 74,960 |
| CEKA | Rp 9.847.995.549 | Rp 45.209.179.614 | 21,783 |
| DLTA | Rp 12.065.689 | Rp 56.512.464 | 21,350 |
| ICPB | Rp 1.657.931 | Rp 4.467.596 | 37, 110 |
| INDF | Rp 32.948.131 | Rp 19.660.348 | 167,587 |
| MLBI | Rp 107.685 | Rp 141.059 | 76,340 |
| MYOR | Rp 1.067.419.971.313 | Rp 3.087.875. 111.223 | 34,568 |
| ROTI | Rp 231.993.439.019 | Rp 712.291.462.742 | 32,570 |
| SKBM | Rp 267.129.479.669 | Rp 117.221.275.463 | 227,885 |
| SKLT | Rp 267.129.479.669 | Rp 328.714.435.982 | 81,265 |
| STTP | Rp 940.212.374.995 | Rp 957.660.374.836 | 98, 178 |
| ULTJ | Rp 1.890.613 | Rp 1.200.721 | 157,456 |
| PSDN | Rp 387.076.417.966 | Rp 391.494.545.680 | 98,871 |

**3. Hasil *Current Ratio* 2018**

|  |  |  |  |
| --- | --- | --- | --- |
| KODE | Aktiva Lancar | Hutang Lancar | *Current Ratio* |
| AISA | Rp 78.893 | Rp 89.518 | 88, 131 |
| CEKA | Rp 80.916.450.672 | Rp 34.052.874.614 | 237,620 |
| DLTA | Rp 138.427.944 | Rp 47.053.513 | 294, 193 |
| ICPB | Rp 1.412.168 | Rp 4.424.605 | 31,916 |
| INDF | Rp 33.272.618 | Rp 15.416.894 | 215,819 |
| MLBI | Rp 122.961 | Rp 143.046 | 85,959 |
| MYOR | Rp 12.647.858.727.872 | Rp 4.284.651.557.827 | 295, 190 |
| ROTI | Rp 1.876.409.299.238 | Rp 951.487.110.723 | 197,208 |
| SKBM | Rp 35.673.567.030 | Rp 116.708.612.900 | 30,566 |
| SKLT | Rp 356.735.670.030 | Rp 408.057.718.435 | 87,423 |
| STTP | Rp 1.250.806.822.918 | Rp 984.801.863.078 | 127,011 |
| ULTJ | Rp 1.922.970 | Rp 810.051 | 237,389 |
| PSDN | Rp 369.067.844.907 | Rp 454.760.270.998 | 81, 157 |

**4. Hasil *Current Ratio* 2019**

|  |  |  |  |
| --- | --- | --- | --- |
| KODE | Aktiva Lancar | Hutang Lancar | *Current Ratio* |
| AISA | Rp 474.261 | Rp 2.373.896 | 19,978 |
| CEKA | Rp 10.675.278.121 | Rp 39.344.314.614 | 27, 133 |
| DLTA | Rp 12.985.083 | Rp 51.833.027 | 25,052 |
| ICPB | Rp 1.662.425 | Rp 5.481.851 | 30,326 |
| INDF | Rp 31.403.445 | Rp 17.309.209 | 181,426 |
| MLBI | Rp 112.802 | Rp 162.250 | 69,524 |
| MYOR | Rp 1.277.610.271.513 | Rp 5.411.619.071.954 | 23,609 |
| ROTI | Rp 187.441.044.438 | Rp 482.548.147.289 | 38,844 |
| SKBM | Rp 37.835.247.338 | Rp [117.182.231.079](https://117.182.231.079) | 32,288 |
| SKLT | Rp 378.352.247.338 | Rp 410.463.595.860 | 92, 177 |
| STTP | Rp 1.165.406.301.686 | Rp 733.556.075.974 | 158,871 |
| ULTJ | Rp 853.034 | Rp 2.302.201 | 37,053 |
| PSDN | Rp 285.684.939.859 | Rp 587.528.831.446 | 48,625 |

**5. Hasil *Current Ratio* 2020**

|  |  |  |  |
| --- | --- | --- | --- |
| KODE | Aktiva Lancar | Hutang Lancar | *Current Ratio* |
| AISA | Rp 69.530 | Rp 327.851 | 21,208 |
| CEKA | Rp 12.665.645.994 | Rp 34.317.827.614 | 36,907 |
| DLTA | Rp 12.774.873 | Rp 49.056.069 | 26,041 |
| ICPB | Rp 1.975.145 | Rp 5.986.516 | 32,993 |
| INDF | Rp 36.970.280 | Rp 57.889.827 | 63,863 |
| MLBI | Rp 118.926 | Rp 135.578 | 87,718 |
| MYOR | Rp 1.293.308.762.169 | Rp 5.121.197.356.575 | 25,254 |
| ROTI | Rp 1.260.968.051.027 | Rp 783.286.302.308 | 160,984 |
| SKBM | Rp 37.972.322.068 | Rp 119.805.712.554 | 31,695 |
| SKLT | Rp 379.723.220.668 | Rp 366.908.471.713 | 103,493 |
| STTP | Rp 1.505.872.822.478 | Rp 775.696.860.738 | 194, 132 |
| ULTJ | Rp 882.830 | Rp 2.239.728 | 39,417 |
| PSDN | Rp 283.695.608.058 | Rp 645.223.998.886 | 43,969 |

**6. Hasil *Current Ratio* 2021**

|  |  |  |  |
| --- | --- | --- | --- |
| KODE | Aktiva Lancar | Hutang Lancar | *Current Ratio* |
| AISA | Rp 71.530 | Rp 389.851 | 18,348 |
| CEKA | Rp 1.358.085.338 | Rp 26.915.404.614 | 5,046 |
| DLTA | Rp 21.143.124 | Rp 54.341.242 | 38,908 |
| ICPB | Rp 1.459.764 | Rp 2.281.015 | 63,996 |
| INDF | Rp 54.183.399 | Rp 52.320.678 | 103,560 |
| MLBI | Rp 1.241.112 | Rp 1.822.860 | 68,086 |
| MYOR | Rp 12.969.783.874.643 | Rp 2.986.848.400.623 | 434,230 |
| ROTI | Rp 1.160.968.051.027 | Rp 703.286.302.865 | 165,078 |
| SKBM | Rp 965.791.814.977 | Rp 804.436.836.369 | 120,058 |
| SKLT | Rp 433.383.441.542 | Rp 347.288.021.564 | 124,791 |
| STTP | Rp 1.979.855.004.312 | Rp 143.022.906.804 | 1384,292 |
| ULTJ | Rp 4.884.821 | Rp 712.191 | 685,886 |
| PSDN | Rp 299.695.608.111 | Rp 745.223.991.245 | 40,216 |

**7. CR Manufaktur Sektor *Food And Beverages* 2016-2020**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **NO** | **TAHUN** | | | | | | |
| **KODE** | **2016** | **2017** | **2018** | **2019** | **2020** | **2021** |
| 1 | AISA | 22,092 | 74,960 | 88, 131 | 19,978 | 21,208 | 18,348 |
| 2 | CEKA | 20,516 | 21,783 | 237,620 | 27, 133 | 36,907 | 5,046 |
| 3 | DLTA | 56, 160 | 21,350 | 294, 193 | 25,052 | 26,041 | 38,908 |
| 4 | ICPB | 149,708 | 37, 110 | 31,916 | 30,326 | 32,993 | 63,996 |
| 5 | INDF | 75,812 | 167,587 | 215,819 | 181,426 | 63,863 | 103,560 |
| 6 | MLBI | 61,968 | 76,340 | 85,959 | 69,524 | 87,718 | 68,086 |
| 7 | MYOR | 131,284 | 34,568 | 295, 190 | 23,609 | 25,254 | 434,230 |
| 8 | ROTI | 64,285 | 32,570 | 197,208 | 38,844 | 160,984 | 165,078 |
| 9 | SKBM | 81,998 | 227,885 | 30,566 | 32,288 | 31,695 | 120,058 |
| 10 | SKLT | 81,844 | 81,265 | 87,423 | 92, 177 | 103,493 | 124,791 |
| 11 | STTP | 78,871 | 98, 178 | 127,011 | 158,871 | 194, 132 | 1384,292 |
| 12 | ULTJ | 54,712 | 157,456 | 237,389 | 37,053 | 39,417 | 685,886 |
| 13 | PSDN | 93,560 | 98,871 | 81, 157 | 48,625 | 43,969 | 40,216 |

**Lampiran 5 Hasil *Return On Assets* (X3)**

**1. Hasil *Return On Assets* 2016**

|  |  |  |  |
| --- | --- | --- | --- |
| KODE | LBSP | Total Asset | ROA |
| AISA | Rp 719.228 | Rp 9.254.539 | 7,772 |
| CEKA | Rp 24.969.701.326 | Rp 1.425.964.152.418 | 1,751 |
| DLTA | Rp 25.459.268 | Rp 1.197.796.650 | 2, 126 |
| ICPB | Rp 363.521 | Rp 28.901.948 | 1,258 |
| INDF | Rp 4.984.305 | Rp 82.174.515 | 6,066 |
| MLBI | Rp 97.953 | Rp 2.275.038 | 4,306 |
| MYOR | Rp 42.959.321.087 | Rp 12.922.421.859.142 | 0,332 |
| ROTI | Rp 263.392.353.864 | Rp 2.919.640.858.718 | 9,021 |
| SKBM | Rp 21.144.246.987 | Rp 1.001.657.012.004 | 2, 111 |
| SKLT | Rp16.918.050.911 | Rp 568.239.939.951 | 2,977 |
| STTP | Rp 174.176.717.866 | Rp 2.336.411.494.941 | 7,455 |
| ULTJ | Rp 595.757 | Rp 16.745.695 | 3,558 |
| PSDN | Rp 36.662.178.272 | Rp 653.796.725.408 | 5,608 |

**2. Hasil *Return On Assets* 2017**

|  |  |  |  |
| --- | --- | --- | --- |
| KODE | LBSP | Total Asset | ROA |
| AISA | Rp 52.348 | Rp 1.981.940 | 2,641 |
| CEKA | Rp 17.420.886.839 | Rp 1.425.964.152.418 | 1,222 |
| DLTA | Rp 12.772.635 | Rp 1.340.842.765 | 0,953 |
| ICPB | Rp 353.173 | Rp 31.619.514 | 1, 117 |
| INDF | Rp 897.264 | Rp 88.400.877 | 1,015 |
| MLBI | Rp 90.897 | Rp 2.510.078 | 3,621 |
| MYOR | Rp 160.953.830.893 | Rp 14.915.849.800.251 | 1,079 |
| ROTI | Rp 124.467.558.054 | Rp 4.559.573.709.411 | 2,730 |
| SKBM | Rp 24.053.484.551 | Rp 1.623.027.475.045 | 1,482 |
| SKLT | Rp 22.970.715.348 | Rp 636.284.210.210 | 3,610 |
| STTP | Rp 216.024.079.834 | Rp 2.342.432.443.196 | 9,222 |
| ULTJ | Rp 707.230 | Rp 18.906.413 | 3,741 |
| PSDN | Rp 5.795.686.550 | Rp 691.014.455.523 | 0,839 |

**3. Hasil *Return On Assets* 2018**

|  |  |  |  |
| --- | --- | --- | --- |
| KODE | LBSP | Total Asset | ROA |
| AISA | Rp 103.041 | Rp 1.816.406 | 5,673 |
| CEKA | Rp 9.249.656.775 | Rp 1.392.636.444.501 | 0,664 |
| DLTA | Rp 38.129.985 | Rp 1.523.517.170 | 2,503 |
| ICPB | Rp 458.781 | Rp 34.367. 153 | 1,335 |
| INDF | Rp 491.851 | Rp 96.537.796 | 0,509 |
| MLBI | Rp 128.041 | Rp 2.889.501 | 4,431 |
| MYOR | Rp 176.434.280.304 | Rp 17.591.706.426.634 | 1,003 |
| ROTI | Rp 136.301.090.897 | Rp 4.393.810.380.883 | 3, 102 |
| SKBM | Rp 17.482.116.543 | Rp 1.771.365.972.009 | 0,987 |
| SKLT | Rp 31.954.131.252 | Rp 747.293.725.435 | 4,276 |
| STTP | Rp 255.088.886.019 | Rp 2.631.189.810.030 | 9,695 |
| ULTJ | Rp 986.195 | Rp 19.522.970 | 5,051 |
| PSDN | Rp 5.335.210.923 | Rp 697.657.400.651 | 0,765 |

**4. Hasil *Return On Assets* 2019**

|  |  |  |  |
| --- | --- | --- | --- |
| KODE | LBSP | Total Asset | ROA |
| AISA | Rp 161.969 | Rp 1.868.966 | 8,666 |
| CEKA | Rp 24.147.120.992 | Rp 1.393.079.542.074 | 1,733 |
| DLTA | Rp 71.500.817 | Rp 1.425.983.722 | 5,014 |
| ICPB | Rp 1.556.652 | Rp 38.709.314 | 4,021 |
| INDF | Rp 4.195.398 | Rp 96.198.559 | 4,361 |
| MLBI | Rp 107.074 | Rp 2.896.950 | 3,696 |
| MYOR | Rp 480.083.209.805 | Rp 19.037.918.806.473 | 2,522 |
| ROTI | Rp 176.855.757.584 | Rp 4.682.083.844.951 | 3,777 |
| SKBM | Rp 723.649.337 | Rp 1.820.383.352.811 | 0,040 |
| SKLT | Rp 44.943.627.900 | Rp 790.845.543.826 | 5,683 |
| STTP | Rp 48.259.052.284 | Rp 2.881.563.083.954 | 1,675 |
| ULTJ | Rp 790.157 | Rp 20.649.371 | 3,827 |
| PSDN | Rp 28.372.081.772 | Rp 763.492.320.252 | 3,716 |

**5. Hasil *Return On Assets* 2020**

|  |  |  |  |
| --- | --- | --- | --- |
| KODE | LBSP | Total Asset | ROA |
| AISA | Rp 120.693 | Rp 2.011.557 | 6,000 |
| CEKA | Rp 18.890.298.030 | Rp 1.566.673.828.068 | 1,206 |
| DLTA | Rp 34.606.288 | Rp 1.406.321.516 | 2,461 |
| ICPB | Rp 2.111.080 | Rp 42.101.501 | 5,014 |
| INDF | Rp 4.729.034 | Rp 161.531.863 | 2,928 |
| MLBI | Rp 28.642 | Rp 2.907.425 | 0,985 |
| MYOR | Rp 949.829.206.540 | Rp 19.474.546.511.239 | 4,877 |
| ROTI | Rp 87.213.024.923 | Rp 4.006.505.767.891 | 2, 177 |
| SKBM | Rp 6.273.578.476 | Rp 1.768.660.546.754 | 0,355 |
| SKLT | Rp 42.520.246.722 | Rp 773.863.042.440 | 5,495 |
| STTP | Rp 62.862.879.549 | Rp 3.448.995.059.882 | 1,823 |
| ULTJ | Rp 706.606 | Rp 20.534.632 | 3,441 |
| PSDN | Rp 55.811.947.909 | Rp 765.375.539.783 | 7,292 |

**6. Hasil *Return On Assets* 2021**

|  |  |  |  |
| --- | --- | --- | --- |
| KODE | LBSP | Total Asset | ROA |
| AISA | Rp 373.750 | Rp 9.060.979 | 4,125 |
| CEKA | Rp 187.066.990.085 | Rp 1.697.387.196.209 | 11,021 |
| DLTA | Rp 187.992.998 | Rp 1.308.722.065 | 14,365 |
| ICPB | Rp 117.575 | Rp 8.258.457 | 1,424 |
| INDF | Rp 12.127.419 | Rp 179.356.193 | 6,762 |
| MLBI | Rp 666.664 | Rp 2.922.017 | 22,815 |
| MYOR | Rp 1.211.052.607.809 | Rp 19.917.653.265.528 | 6,080 |
| ROTI | Rp 90.213.024.444 | Rp 4.216.505.767.909 | 2,140 |
| SKBM | Rp 10.888.730.465 | Rp 1.777.307.226.174 | 0,613 |
| SKLT | Rp 84.524.160.228 | Rp 889.125.250.792 | 9,506 |
| STTP | Rp 617.573.766.863 | Rp 3.919.243.683.748 | 15,757 |
| ULTJ | Rp 1.276.793 | Rp 7.406.856 | 17,238 |
| PSDN | Rp 65.811.989.900 | Rp 785.375.539.993 | 8,380 |

**7. ROA Manufaktur Sektor *Food And Beverages* 2016-2021**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **NO** | **TAHUN** | | | | | | |
| **KODE** | **2016** | **2017** | **2018** | **2019** | **2020** | **2021** |
| 1 | AISA | 7,772 | 2,641 | 5,673 | 8,666 | 6,000 | 4,125 |
| 2 | CEKA | 1,751 | 1,222 | 0,664 | 1,733 | 1,206 | 11,021 |
| 3 | DLTA | 2, 126 | 0,953 | 2,503 | 5,014 | 2,461 | 14,365 |
| 4 | ICPB | 1,258 | 1, 117 | 1,335 | 4,021 | 5,014 | 1,424 |
| 5 | INDF | 6,066 | 1,015 | 0,509 | 4,361 | 2,928 | 6,762 |
| 6 | MLBI | 4,306 | 3,621 | 4,431 | 3,696 | 0,985 | 22,815 |
| 7 | MYOR | 0,332 | 1,079 | 1,003 | 2,522 | 4,877 | 6,080 |
| 8 | ROTI | 9,021 | 2,730 | 3, 102 | 3,777 | 2, 177 | 2,140 |
| 9 | SKBM | 2, 111 | 1,482 | 0,987 | 0,040 | 0,355 | 0,613 |
| 10 | SKLT | 2,977 | 3,610 | 4,276 | 5,683 | 5,495 | 9,506 |
| 11 | STTP | 7,455 | 9,222 | 9,695 | 1,675 | 1,823 | 15,757 |
| 12 | ULTJ | 3,558 | 3,741 | 5,051 | 3,827 | 3,441 | 17,238 |
| 13 | PSDN | 5,608 | 0,839 | 0,765 | 3,716 | 7,292 | 8,380 |

**Lampiran 6 Hasil Struktur Aktiva (X4)**

**1. Hasil Struktur Aktiva 2016**

|  |  |  |  |
| --- | --- | --- | --- |
| KODE | Asset Tetap | Total Asset | TA |
| AISA | Rp 2.587.235 | Rp 9.254.539 | 0,280 |
| CEKA | Rp 215.976.492.549 | Rp 1.425.964.152.418 | 0, 151 |
| DLTA | Rp 96.275.498 | Rp 1.197.796.650 | 0,080 |
| ICPB | Rp 7.114.288 | Rp 28.901.948 | 0,246 |
| INDF | Rp 25.701.913 | Rp 82.174.515 | 0,313 |
| MLBI | Rp 1.278.015 | Rp 2.275.038 | 0,562 |
| MYOR | Rp 3.859.420.029.792 | Rp 12.922.421.859. 142 | 0,299 |
| ROTI | Rp 1.842.722.492.525 | Rp 2.919.640.858.718 | 0,631 |
| SKBM | Rp 436.018.707.335 | Rp 1.001.657.012.004 | 0,435 |
| SKLT | Rp 299.674.475.232 | Rp 568.239.939.951 | 0,527 |
| STTP | Rp 1.133.722.474.056 | Rp 2.336.411.494.941 | 0,485 |
| ULTJ | Rp 9.529.476 | Rp 16.745.695 | 0,569 |
| PSDN | Rp 282.157.452.287 | Rp 653.796.725.408 | 0,432 |

**2. Hasil Struktur Aktiva 2017**

|  |  |  |  |
| --- | --- | --- | --- |
| KODE | Asset Tetap | Total Asset | TA |
| AISA | Rp 824.621 | Rp 1.981.940 | 0,416 |
| CEKA | Rp 212.312.805.803 | Rp 1.425.964.152.418 | 0, 149 |
| DLTA | Rp 89.978.944 | Rp 1.340.842.765 | 0,067 |
| ICPB | Rp 8.120.254 | Rp 31.619.514 | 0,257 |
| INDF | Rp 39.492.287 | Rp 88.400.877 | 0,447 |
| MLBI | Rp 1.364.086 | Rp 2.510.078 | 0,543 |
| MYOR | Rp 3.988.757.428.380 | Rp 14.915.849.800.251 | 0,267 |
| ROTI | Rp 1.993.663.314.016 | Rp 4.559.573.709.411 | 0,437 |
| SKBM | Rp 485.558.490.029 | Rp 1.623.027.475.045 | 0,299 |
| SKLT | Rp 311.810.228.981 | Rp 636.284.210.210 | 0,490 |
| STTP | Rp 1.125.768.977.479 | Rp 2.342.432.443.196 | 0,481 |
| ULTJ | Rp 10.422.133 | Rp 18.906.413 | 0,551 |
| PSDN | Rp 269.910.638.722 | Rp 691.014.455.523 | 0,391 |

**3. Hasil Struktur Aktiva 2018**

|  |  |  |  |
| --- | --- | --- | --- |
| KODE | Asset Tetap | Total Asset | TA |
| AISA | Rp 764.532 | Rp 1.816.406 | 0,421 |
| CEKA | Rp 200.024.117.988 | Rp 1.392.636.444.501 | 0, 144 |
| DLTA | Rp 90.191.394 | Rp 1.523.517.170 | 0,059 |
| ICPB | Rp 10.741.622 | Rp 34.367.153 | 0,313 |
| INDF | Rp 42.388.236 | Rp 96.537.796 | 0,439 |
| MLBI | Rp 1.524.061 | Rp 2.889.501 | 0,527 |
| MYOR | Rp 4.258.300.525. 120 | Rp 17.591.706.426.634 | 0,242 |
| ROTI | Rp 2.222.133.112.899 | Rp 4.393.810.380.883 | 0,506 |
| SKBM | Rp 582.660.258.194 | Rp 1.771.365.972.009 | 0,329 |
| SKLT | Rp 323.244.348.971 | Rp 747.293.725.435 | 0,433 |
| STTP | Rp 1.096.143.561.950 | Rp 2.631.189.810.030 | 0,417 |
| ULTJ | Rp 10.627.387 | Rp 19.522.970 | 0,544 |
| PSDN | Rp 268.384.275.903 | Rp 697.657.400.651 | 0,385 |

**4. Hasil Struktur Aktiva 2019**

|  |  |  |  |
| --- | --- | --- | --- |
| KODE | Asset Tetap | Total Asset | TA |
| AISA | Rp 1.150.417 | Rp 1.868.966 | 0,616 |
| CEKA | Rp 195.283.411.192 | Rp 1.393.079.542.074 | 0, 140 |
| DLTA | Rp 85.234.517 | Rp 1.425.983.722 | 0,060 |
| ICPB | Rp 11.342.412 | Rp 38.709.314 | 0,293 |
| INDF | Rp 43.072.504 | Rp 96.198.559 | 0,448 |
| MLBI | Rp 1.559.289 | Rp 2.896.950 | 0,538 |
| MYOR | Rp 4.674.963.819.225 | Rp 19.037.918.806.473 | 0,246 |
| ROTI | Rp 2.540.413.874.692 | Rp 4.682.083.844.951 | 0,543 |
| SKBM | Rp 602.802.562.379 | Rp 1.820.383.352.811 | 0,331 |
| SKLT | Rp 360.346.292.384 | Rp 790.845.543.826 | 0,456 |
| STTP | Rp 1.124.520.287.704 | Rp 2.881.563.083.954 | 0,390 |
| ULTJ | Rp 1.556.666 | Rp 20.649.371 | 0,075 |
| PSDN | Rp 450.070.227.177 | Rp763.492.320.252 | 0,589 |

**5. Hasil Struktur Aktiva 2020**

|  |  |  |  |
| --- | --- | --- | --- |
| KODE | Asset Tetap | Total Asset | TA |
| AISA | Rp 1.081.687 | Rp 2.011.557 | 0,538 |
| CEKA | Rp 204.186.009.945 | Rp 1.566.673.828.068 | 0, 130 |
| DLTA | Rp 79.117.279 | Rp 1.406.321.516 | 0,056 |
| ICPB | Rp 13.351.296 | Rp 42.101.501 | 0,317 |
| INDF | Rp 45.862.919 | Rp 161.531.863 | 0,284 |
| MLBI | Rp 1.479.447 | Rp 2.907.425 | 0,509 |
| MYOR | Rp 6.043.201.970.326 | Rp 19.474.546.511.239 | 0,310 |
| ROTI | Rp 2.434.486.072.405 | Rp 4.006.505.767.891 | 0,608 |
| SKBM | Rp 440.748.401.586 | Rp 1.768.660.546.754 | 0,249 |
| SKLT | Rp 354.930.905.744 | Rp 773.863.042.440 | 0,459 |
| STTP | Rp 1.538.988.540.784 | Rp 3.448.995.059.882 | 0,446 |
| ULTJ | Rp 1.715.401 | Rp 20.534.632 | 0,084 |
| PSDN | Rp 455.525.868.085 | Rp 765.375.539.783 | 0,595 |

**6. Hasil Struktur Aktiva 2021**

|  |  |  |  |
| --- | --- | --- | --- |
| KODE | Asset Tetap | Total Asset | TA |
| AISA | Rp 2.290.408 | Rp 9.060.979 | 0,253 |
| CEKA | Rp 236.062.886.495 | Rp 1.697.387.196.209 | 0,139 |
| DLTA | Rp 84.151.006 | Rp 1.308.722.065 | 0,064 |
| ICPB | Rp 6.086.165 | Rp 8.258.457 | 0,737 |
| INDF | Rp 46.751.821 | Rp 179.356.193 | 0,261 |
| MLBI | Rp 1.406.550 | Rp 2.922.017 | 0,481 |
| MYOR | Rp 6.376.788.515.278 | Rp 19.917.653.265.528 | 0,320 |
| ROTI | Rp 2.894.486.072.876 | Rp 4.326.505.767.333 | 0,669 |
| SKBM | Rp 442.420.539.180 | Rp 1.777.307.226.174 | 0,249 |
| SKLT | Rp 413.018.253.918 | Rp 889.125.250.792 | 0,465 |
| STTP | Rp 1.552.703.249.456 | Rp 3.919.243.683.748 | 0,396 |
| ULTJ | Rp 2.165.353 | Rp 7.406.856 | 0,292 |
| PSDN | Rp 455.111.868.002 | Rp 785.375.539.993 | 0,579 |

**7. TA Manufaktur Sektor *Food And Beverages* 2016-2020**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **NO** | **TAHUN** | | | | | | |
| **KODE** | **2016** | **2017** | **2018** | **2019** | **2020** | **2021** |
| 1 | AISA | 0,280 | 0,416 | 0,421 | 0,616 | 0,538 | 0,253 |
| 2 | CEKA | 0, 151 | 0, 149 | 0, 144 | 0, 140 | 0, 130 | 0,139 |
| 3 | DLTA | 0,080 | 0,067 | 0,059 | 0,060 | 0,056 | 0,064 |
| 4 | ICPB | 0,246 | 0,257 | 0,313 | 0,293 | 0,317 | 0,737 |
| 5 | INDF | 0,313 | 0,447 | 0,439 | 0,448 | 0,284 | 0,261 |
| 6 | MLBI | 0,562 | 0,543 | 0,527 | 0,538 | 0,509 | 0,481 |
| 7 | MYOR | 0,299 | 0,267 | 0,242 | 0,246 | 0,310 | 0,320 |
| 8 | ROTI | 0,631 | 0,437 | 0,506 | 0,543 | 0,608 | 0,669 |
| 9 | SKBM | 0,435 | 0,299 | 0,329 | 0,331 | 0,249 | 0,249 |
| 10 | SKLT | 0,527 | 0,490 | 0,433 | 0,456 | 0,459 | 0,465 |
| 11 | STTP | 0,485 | 0,481 | 0,417 | 0,390 | 0,446 | 0,396 |
| 12 | ULTJ | 0,569 | 0,551 | 0,544 | 0,075 | 0,084 | 0,292 |
| 13 | PSDN | 0,432 | 0,391 | 0,385 | 0,589 | 0,595 | 0,579 |

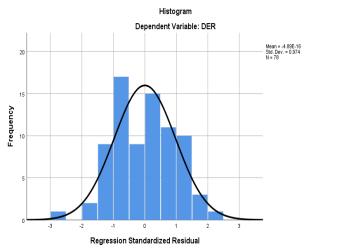
**Lampiran 7 Input SPSS**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Tahun | KODE | RS | CR | ROA | TA | DER |
| 1 | 2016 | AISA | 4, 110 | 22,092 | 7,77162 | 0,27956 | 58,292 |
| 2 | CEKA | 0,070 | 20,5162 | 1,75107 | 0, 15146 | 6,060 |
| 3 | DLTA | 0,091 | 56, 1602 | 2, 12551 | 0,08038 | 18,316 |
| 4 | ICPB | 1,010 | 149,708 | 1,25777 | 0,24615 | 56,220 |
| 5 | INDF | 0,087 | 75,8124 | 6,06551 | 0,31277 | 87,009 |
| 6 | MLBI | 0, 172 | 61,9678 | 4,30555 | 0,56176 | 17,596 |
| 7 | MYOR | 0,313 | 131,284 | 0,33244 | 0,29866 | 10,626 |
| 8 | ROTI | 0,255 | 64,2847 | 9,0214 | 0,63115 | 10,237 |
| 9 | SKBM | 0, 126 | 81,9985 | 2, 11093 | 0,4353 | 17, 190 |
| 10 | SKLT | 1,376 | 81,8435 | 2,97727 | 0,52737 | 9, 187 |
| 11 | STTP | 0,038 | 78,871 | 7,45488 | 0,48524 | 99,948 |
| 12 | ULTJ | 0,402 | 54,712 | 3,55767 | 0,56907 | 25,597 |
| 13 | PSDN | 0,598 | 93,5596 | 5,60758 | 0,43157 | 13,326 |
| 14 | 2017 | AISA | 0,979 | 74,9601 | 2,64125 | 0,41607 | 35, 109 |
| 15 | CEKA | 0, 107 | 21,78318 | 1,221692 | 0, 148891 | 5,006 |
| 16 | DLTA | 0,255 | 21,35049 | 0,952583 | 0,067106 | 4,937 |
| 17 | ICPB | 0, 152 | 37, 11014 | 1, 116946 | 0,256811 | 21,982 |
| 18 | INDF | 0,023 | 167,5867 | 1,014994 | 0,446741 | 41,739 |
| 19 | MLBI | 0, 194 | 76,3404 | 3,621282 | 0,543444 | 13,246 |
| 20 | MYOR | 0,413 | 34,56811 | 1,079079 | 0,267417 | 41,987 |
| 21 | ROTI | 0,067 | 32,57002 | 2,729807 | 0,437248 | 25,258 |
| 22 | SKBM | 0,038 | 227,8848 | 1,482013 | 0,299168 | 11,456 |
| 23 | SKLT | 0,357 | 81,26491 | 3,610134 | 0,490049 | 10,687 |
| 24 | STTP | 0, 133 | 98, 17806 | 9,222212 | 0,480598 | 69, 157 |
| 25 | ULTJ | 0,242 | 157,4565 | 3,740688 | 0,551249 | 23,210 |
| 26 | PSDN | 0,326 | 98,87147 | 0,838721 | 0,390601 | 13,071 |
| 27 | 2018 | AISA | 0,064 | 88, 13088 | 5,672796 | 0,420904 | 2,594 |
| 28 | CEKA | 0,282 | 237,62 | 0,664183 | 0, 14363 | 3,487 |
| 29 | DLTA | 0,286 | 294, 1926 | 2,50276 | 0,059199 | 3,664 |
| 30 | ICPB | 0,083 | 31,91625 | 1,33494 | 0,312555 | 19,486 |
| 31 | INDF | 0,062 | 215,8192 | 0,509491 | 0,439084 | 30,885 |
| 32 | MLBI | 0,042 | 85,95906 | 4,43125 | 0,527448 | 12,252 |
| 33 | MYOR | 0,413 | 295, 1899 | 1,00294 | 0,242063 | 50, 157 |
| 34 | ROTI | 0,073 | 197,2081 | 3, 102116 | 0,505742 | 32,620 |
| 35 | SKBM | 0,557 | 30,56635 | 0,986929 | 0,328933 | 11,216 |
| 36 | SKLT | 0,046 | 87,42285 | 4,27598 | 0,432553 | 12,029 |
| 37 | STTP | 0,237 | 127,011 | 9,694811 | 0,416596 | 59,816 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 38 |  | ULTJ | 0,090 | 237,3888 | 5,05146 | 0,544353 | 10,689 |
| 39 | PSDN | 0,307 | 81, 15657 | 0,764732 | 0,384694 | 18,722 |
| 40 | 2019 | AISA | 0,289 | 19,97817 | 8,666236 | 0,615537 | 16,521 |
| 41 | CEKA | 0,086 | 27, 13296 | 1,733363 | 0, 140181 | 3,478 |
| 42 | DLTA | 0,406 | 25,05176 | 5,01414 | 0,059772 | 4,271 |
| 43 | ICPB | 0, 161 | 30,32598 | 4,021389 | 0,293015 | 20,554 |
| 44 | INDF | 0, 147 | 181,4262 | 4,361186 | 0,447746 | 31,934 |
| 45 | MLBI | 0,382 | 69,52357 | 3,696094 | 0,538252 | 14, 158 |
| 46 | MYOR | 0,477 | 23,60865 | 2,521721 | 0,245561 | 54,597 |
| 47 | ROTI | 0,467 | 38,84401 | 3,777287 | 0,542582 | 15,603 |
| 48 | SKBM | 0,306 | 32,28753 | 0,039753 | 0,33114 | 11,313 |
| 49 | SKLT | 0,363 | 92, 17681 | 5,682984 | 0,455647 | 10,791 |
| 50 | STTP | 0,878 | 158,8708 | 1,674753 | 0,390247 | 34, 151 |
| 51 | ULTJ | 0,088 | 37,05298 | 3,826543 | 0,075386 | 40,710 |
| 52 | PSDN | 0,241 | 48,62484 | 3,716093 | 0,589489 | 33,389 |
| 53 | 2020 | AISA | 0,245 | 21,2078 | 5,999979 | 0,537736 | 39,583 |
| 54 | CEKA | 0, 149 | 36,9069 | 1,205758 | 0, 130331 | 2,722 |
| 55 | DLTA | 0,049 | 26,04137 | 2,460766 | 0,056258 | 4,810 |
| 56 | ICPB | 0,041 | 32,99323 | 5,014263 | 0,317122 | 11,897 |
| 57 | INDF | 0,002 | 63,86317 | 2,927617 | 0,283925 | 73, 150 |
| 58 | MLBI | 0, 101 | 87,71777 | 0,985133 | 0,508851 | 9,458 |
| 59 | MYOR | 0,092 | 25,25403 | 4,877285 | 0,310313 | 45,435 |
| 60 | ROTI | 0, 120 | 160,9843 | 2, 176785 | 0,607633 | 24,268 |
| 61 | SKBM | 0,204 | 31,69492 | 0,354708 | 0,249199 | 12,454 |
| 62 | SKLT | 0,059 | 103,4926 | 5,494544 | 0,458648 | 9,016 |
| 63 | STTP | 0,029 | 194, 1316 | 1,822643 | 0,446214 | 29,016 |
| 64 | ULTJ | 0,082 | 39,41684 | 3,441045 | 0,083537 | 46,839 |
| 65 | PSDN | 0,346 | 43,96855 | 7,2921 | 0,595166 | 53,701 |
| 66 | 2021 | AISA | 0,382 | 18,348 | 4,125 | 0,253 | 59,079 |
| 67 | CEKA | 13,970 | 5,046 | 11,021 | 0,139 | 22,346 |
| 68 | DLTA | 0,135 | 38,908 | 14,365 | 0,064 | 29,554 |
| 69 | ICPB | 0,087 | 63,996 | 1,424 | 0,737 | 12,544 |
| 70 | INDF | 0,011 | 103,560 | 6,762 | 0,261 | 107,032 |
| 71 | MLBI | 0,083 | 68,086 | 22,815 | 0,481 | 16,584 |
| 72 | MYOR | 0,222 | 434,230 | 6,080 | 0,320 | 75,331 |
| 73 | ROTI | 0,221 | 165,078 | 2,140 | 0,669 | 20,353 |
| 74 | SKBM | 0,303 | 120,058 | 0,613 | 0,249 | 82,687 |
| 75 | SKLT | 0,072 | 124,791 | 9,506 | 0,465 | 64,095 |
| 76 | STTP | 1,592 | 1384,292 | 15,757 | 0,396 | 18,737 |

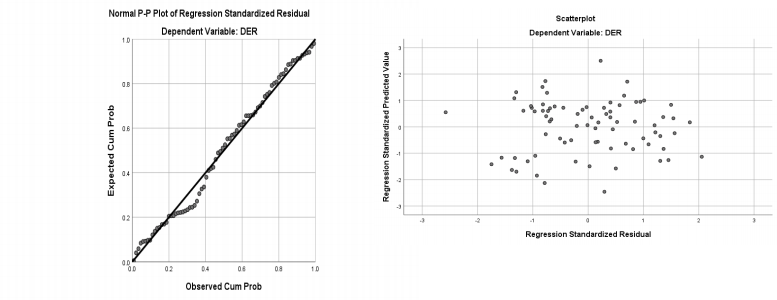
|  |
| --- |
| 77 |
| 78 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ULTJ | 13,788 | 685,886 | 17,238 | 0,292 | 44,155 |
| PSDN | 1,238 | 40,216 | 8,380 | 0,579 | 67,654 |



**Lampiran 8 Output SPSS**

|  |  |  |
| --- | --- | --- |
| **One-Sample Kolmogorov-Smirnov Test** | | |
|  | | Unstandardized  Residual |
| N | | 78 |
| Normal Parametersa,b | Mean | .0000000 |
| Std. Deviation | .84922042 |
| Most Extreme Differences | Absolute | .099 |
| Positive | .099 |
| Negative | -.045 |
| Test Statistic | | .099 |
| Asymp. Sig. (2-tailed) | | .058c |
| a. Test distribution is Normal. | | |
| b. Calculated from data. | | |
| c. Lilliefors Significance Correction. | | |



|  |  |  |  |
| --- | --- | --- | --- |
| **Descriptive Statistics** | | | |
|  | Mean | Std. Deviation | N |
| DER | 3.01126 | .915667 | 78 |
| Resiko Sistematik | .31934 | .531339 | 78 |
| CR | 115.60755 | 178.153515 | 78 |
| ROA | 1.04824 | 1.039391 | 78 |
| TA | -1.15959 | .656460 | 78 |

**Correlations**

  DER  Sistematik  CR  ROA  TA

Resiko

Pearson Correlation DER  1.000  .144  .073  .272  .271

Resiko Sistematik  .144  1.000  .170  .113  .062

CR  .073  .170  1.000  .191  .086

ROA  .272  .113  .191  1.000  .143

 TA  .271  .062  .086  .143  1.000

Sig. (1-tailed) DER  .  .104  .264  .008  .008

Resiko Sistematik  .104  .  .069  .162  .296

CR  .264  .069  .  .047  .227

ROA  .008  .162  .047  .  .106

 TA  .008  .296  .227  .106  .

N DER  78  78  78  78  78

Resiko Sistematik  78  78  78  78  78

CR  78  78  78  78  78

ROA  78  78  78  78  78

 TA  78  78  78  78  78

**Model Summaryb**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Model | R | R  Square | Adjusted R Square | Std. Error of the Estimate | Change Statistics | | | | | Durbin-  Watson |
| R Square Change | F  Change | df1 | df2 | Sig. F  Change |
| 1 | .802a | .643 | .621 | 4.3412607 | .252 | 5.050 | 4 | 73 | .001 | 1.794 |

a. Predictors: (Constant), TA, RS, CR, ROA

b. Dependent Variable: DER

**ANOVAa**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Model  Sum of Squares | | df | Mean Square | F | Sig. |
| 1 Regression   |  | | --- | | Residual | | Total | | 225.533 | 4 | 56.383 | 5.050 | .001b |
| 669.841 | 73 | 11.164 |  |  |
| 895.374 | 77 |  |  |  |

a. Dependent Variable: DER

b. Predictors: (Constant), TA, RS, CR, ROA

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Coefficientsa** | | | | | | | | |
| Model | | Unstandardized  Coefficients | | Standardized  Coefficients | t | Sig. | Collinearity Statistics | |
| B | Std. Error | Beta | Tolerance | VIF |
| 1 | (Constant) | 3.124 | .250 |  | 12.501 | .000 |  |  |
| Resiko  Sistematik | .182 | .191 | .105 | .952 | .034 | .963 | 1.038 |
| CR | .054 | .001 | -.009 | -.079 | .937 | .939 | 1.065 |
| ROA | .202 | .099 | .229 | 2.045 | .044 | .942 | 1.062 |
| TA | .325 | .153 | .233 | 2.116 | .038 | .975 | 1.026 |
| a. Dependent Variable: DER | | | | | | | | |

**Lampiran 9 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 |
| 51 | 1.5086 | 1.5884 | 1.4684 | 1.6309 | 1.4273 | 1.6754 | 1.3855 | 1.7218 | 1.3431 | 1.7701 |
| 52 | 1.5135 | 1.5917 | 1.4741 | 1.6334 | 1.4339 | 1.6769 | 1.3929 | 1.7223 | 1.3512 | 1.7694 |
| 53 | 1.5183 | 1.5951 | 1.4797 | 1.6359 | 1.4402 | 1.6785 | 1.4000 | 1.7228 | 1.3592 | 1.7689 |
| 54 | 1.5230 | 1.5983 | 1.4851 | 1.6383 | 1.4464 | 1.6800 | 1.4069 | 1.7234 | 1.3669 | 1.7684 |
| 55 | 1.5276 | 1.6014 | 1.4903 | 1.6406 | 1.4523 | 1.6815 | 1.4136 | 1.7240 | 1.3743 | 1.7681 |
| 56 | 1.5320 | 1.6045 | 1.4954 | 1.6430 | 1.4581 | 1.6830 | 1.4201 | 1.7246 | 1.3815 | 1.7678 |
| 57 | 1.5363 | 1.6075 | 1.5004 | 1.6452 | 1.4637 | 1.6845 | 1.4264 | 1.7253 | 1.3885 | 1.7675 |
| 58 | 1.5405 | 1.6105 | 1.5052 | 1.6475 | 1.4692 | 1.6860 | 1.4325 | 1.7259 | 1.3953 | 1.7673 |
| 59 | 1.5446 | 1.6134 | 1.5099 | 1.6497 | 1.4745 | 1.6875 | 1.4385 | 1.7266 | 1.4019 | 1.7672 |
| 60 | 1.5485 | 1.6162 | 1.5144 | 1.6518 | 1.4797 | 1.6889 | 1.4443 | 1.7274 | 1.4083 | 1.7671 |
| 61 | 1.5524 | 1.6189 | 1.5189 | 1.6540 | 1.4847 | 1.6904 | 1.4499 | 1.7281 | 1.4146 | 1.7671 |
| 62 | 1.5562 | 1.6216 | 1.5232 | 1.6561 | 1.4896 | 1.6918 | 1.4554 | 1.7288 | 1.4206 | 1.7671 |
| 63 | 1.5599 | 1.6243 | 1.5274 | 1.6581 | 1.4943 | 1.6932 | 1.4607 | 1.7296 | 1.4265 | 1.7671 |
| 64 | 1.5635 | 1.6268 | 1.5315 | 1.6601 | 1.4990 | 1.6946 | 1.4659 | 1.7303 | 1.4322 | 1.7672 |
| 65 | 1.5670 | 1.6294 | 1.5355 | 1.6621 | 1.5035 | 1.6960 | 1.4709 | 1.7311 | 1.4378 | 1.7673 |
| 66 | 1.5704 | 1.6318 | 1.5395 | 1.6640 | 1.5079 | 1.6974 | 1.4758 | 1.7319 | 1.4433 | 1.7675 |
| 67 | 1.5738 | 1.6343 | 1.5433 | 1.6660 | 1.5122 | 1.6988 | 1.4806 | 1.7327 | 1.4486 | 1.7676 |
| 68 | 1.5771 | 1.6367 | 1.5470 | 1.6678 | 1.5164 | 1.7001 | 1.4853 | 1.7335 | 1.4537 | 1.7678 |
| 69 | 1.5803 | 1.6390 | 1.5507 | 1.6697 | 1.5205 | 1.7015 | 1.4899 | 1.7343 | 1.4588 | 1.7680 |
| 70 | 1.5834 | 1.6413 | 1.5542 | 1.6715 | 1.5245 | 1.7028 | 1.4943 | 1.7351 | 1.4637 | 1.7683 |
| 75 | 1.448 | 1.501 | 1.422 | 1.529 | 1.395 | 1.557 | 1.368 | 1.586 | 1.34 | 1.617 |
| 80 | 1.465 | 1.514 | 1.44 | 1.541 | 1.416 | 1.568 | 1.39 | 1.595 | 1.364 | 1.624 |
| 85 | 1.481 | 1.529 | 1.458 | 1.553 | 1.434 | 1.577 | 1.411 | 1.603 | 1.386 | 1.63 |
| 90 | 1.496 | 1.541 | 1.474 | 1.563 | 1.452 | 1.587 | 1.429 | 1.611 | 1.406 | 1.636 |
| 95 | 1.51 | 1.552 | 1.489 | 1.573 | 1.468 | 1.596 | 1.446 | 1.618 | 1.425 | 1.641 |
| 100 | 1.522 | 1.562 | 1.502 | 1.582 | 1.482 | 1.604 | 1.461 | 1.625 | 1.441 | 1.647 |

**Lampiran 10 Tabel t**

Tabeltitik persentase distribusit

(df = 1 - 40)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Pr  Df | 0.25  0.50 | 0.10  0.20 | 0.05  0.10 | 0.025  0.050 | 0.01  0.02 | 0.005  0.010 | 0.001  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 |

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|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Pr  Df | 0.25 | 0.10 | 0.05 | 0.025 | 0.01 | 0.005 | 0.001 |
| 0.50 | 0.20 | 0.10 | 0.050 | 0.02 | 0.010 | 0.002 |
| 41 | 0.68052 | 1.30254 | 1.68288 | 2.01954 | 2.42080 | 2.70118 | 3.30127 |
| 42 | 0.68038 | 1.30204 | 1.68195 | 2.01808 | 2.41847 | 2.69807 | 3.29595 |
| 43 | 0.68024 | 1.30155 | 1.68107 | 2.01669 | 2.41625 | 2.69510 | 3.29089 |
| 44 | 0.68011 | 1.30109 | 1.68023 | 2.01537 | 2.41413 | 2.69228 | 3.28607 |
| 45 | 0.67998 | 1.30065 | 1.67943 | 2.01410 | 2.41212 | 2.68959 | 3.28148 |
| 46 | 0.67986 | 1.30023 | 1.67866 | 2.01290 | 2.41019 | 2.68701 | 3.27710 |
| 47 | 0.67975 | 1.29982 | 1.67793 | 2.01174 | 2.40835 | 2.68456 | 3.27291 |
| 48 | 0.67964 | 1.29944 | 1.67722 | 2.01063 | 2.40658 | 2.68220 | 3.26891 |
| 49 | 0.67953 | 1.29907 | 1.67655 | 2.00958 | 2.40489 | 2.67995 | 3.26508 |
| 50 | 0.67943 | 1.29871 | 1.67591 | 2.00856 | 2.40327 | 2.67779 | 3.26141 |
| 51 | 0.67933 | 1.29837 | 1.67528 | 2.00758 | 2.40172 | 2.67572 | 3.25789 |
| 52 | 0.67924 | 1.29805 | 1.67469 | 2.00665 | 2.40022 | 2.67373 | 3.25451 |
| 53 | 0.67915 | 1.29773 | 1.67412 | 2.00575 | 2.39879 | 2.67182 | 3.25127 |
| 54 | 0.67906 | 1.29743 | 1.67356 | 2.00488 | 2.39741 | 2.66998 | 3.24815 |
| 55 | 0.67898 | 1.29713 | 1.67303 | 2.00404 | 2.39608 | 2.66822 | 3.24515 |
| 56 | 0.67890 | 1.29685 | 1.67252 | 2.00324 | 2.39480 | 2.66651 | 3.24226 |
| 57 | 0.67882 | 1.29658 | 1.67203 | 2.00247 | 2.39357 | 2.66487 | 3.23948 |
| 58 | 0.67874 | 1.29632 | 1.67155 | 2.00172 | 2.39238 | 2.66329 | 3.23680 |
| 59 | 0.67867 | 1.29607 | 1.67109 | 2.00100 | 2.39123 | 2.66176 | 3.23421 |
| 60 | 0.67860 | 1.29582 | 1.67065 | 2.00030 | 2.39012 | 2.66028 | 3.23171 |
| 61 | 0.67853 | 1.29558 | 1.67022 | 1.99962 | 2.38905 | 2.65886 | 3.22930 |
| 62 | 0.67847 | 1.29536 | 1.66980 | 1.99897 | 2.38801 | 2.65748 | 3.22696 |
| 63 | 0.67840 | 1.29513 | 1.66940 | 1.99834 | 2.38701 | 2.65615 | 3.22471 |
| 64 | 0.67834 | 1.29492 | 1.66901 | 1.99773 | 2.38604 | 2.65485 | 3.22253 |
| 65 | 0.67828 | 1.29471 | 1.66864 | 1.99714 | 2.38510 | 2.65360 | 3.22041 |
| 66 | 0.67823 | 1.29451 | 1.66827 | 1.99656 | 2.38419 | 2.65239 | 3.21837 |
| 67 | 0.67817 | 1.29432 | 1.66792 | 1.99601 | 2.38330 | 2.65122 | 3.21639 |
| 68 | 0.67811 | 1.29413 | 1.66757 | 1.99547 | 2.38245 | 2.65008 | 3.21446 |
| 69 | 0.67806 | 1.29394 | 1.66724 | 1.99495 | 2.38161 | 2.64898 | 3.21260 |
| 70 | 0.67801 | 1.29376 | 1.66691 | 1.99444 | 2.38081 | 2.64790 | 3.21079 |
| 71 | 0.67796 | 1.29359 | 1.66660 | 1.99394 | 2.38002 | 2.64686 | 3.20903 |
| 72 | 0.67791 | 1.29342 | 1.66629 | 1.99346 | 2.37926 | 2.64585 | 3.20733 |
| 73 | 0.67787 | 1.29326 | 1.66600 | 1.99300 | 2.37852 | 2.64487 | 3.20567 |
| 74 | 0.67782 | 1.29310 | 1.66571 | 1.99254 | 2.37780 | 2.64391 | 3.20406 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 75 | 0.67778 | 1.29294 | 1.66543 | 1.99210 | 2.37710 | 2.64298 | 3.20249 |
| 76 | 0.67773 | 1.29279 | 1.66515 | 1.99167 | 2.37642 | 2.64208 | 3.20096 |
| 77 | 0.67769 | 1.29264 | 1.66488 | 1.99125 | 2.37576 | 2.64120 | 3.19948 |

**Lampiran 10 Tabel F**



Titik Persentase Distribusi F untuk Probabilitas = 0,05

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| dfuntuk  penyebu  t  (N2) | dfuntuk pembilang (N1) | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 1 | 161 | 199 | 216 | 225 | 230 | 234 | 237 | 239 | 241 | 242 |
| 2 | 18.5 1 | 19.0 0 | 19.1 6 | 19.2 5 | 19.3 0 | 19.3 3 | 19.3 5 | 19.3 7 | 19.3 8 | 19.4 0 |
| 3 | 10.13 | 9.55 | 9.28 | 9.12 | 9.01 | 8.94 | 8.89 | 8.85 | 8.81 | 8.79 |
| 4 | 7.71 | 6.94 | 6.59 | 6.39 | 6.26 | 6.16 | 6.09 | 6.04 | 6.00 | 5.96 |
| 5 | 6.61 | 5.79 | 5.41 | 5.19 | 5.05 | 4.95 | 4.88 | 4.82 | 4.77 | 4.74 |
| 6 | 5.99 | 5.14 | 4.76 | 4.53 | 4.39 | 4.28 | 4.21 | 4.15 | 4.10 | 4.06 |
| 7 | 5.59 | 4.74 | 4.35 | 4.12 | 3.97 | 3.87 | 3.79 | 3.73 | 3.68 | 3.64 |
| 8 | 5.32 | 4.46 | 4.07 | 3.84 | 3.69 | 3.58 | 3.50 | 3.44 | 3.39 | 3.35 |
| 9 | 5.12 | 4.26 | 3.86 | 3.63 | 3.48 | 3.37 | 3.29 | 3.23 | 3.18 | 3.14 |
| 10 | 4.96 | 4.10 | 3.71 | 3.48 | 3.33 | 3.22 | 3.14 | 3.07 | 3.02 | 2.98 |
| 11 | 4.84 | 3.98 | 3.59 | 3.36 | 3.20 | 3.09 | 3.01 | 2.95 | 2.90 | 2.85 |
| 12 | 4.75 | 3.89 | 3.49 | 3.26 | 3.11 | 3.00 | 2.91 | 2.85 | 2.80 | 2.75 |
| 13 | 4.67 | 3.81 | 3.41 | 3.18 | 3.03 | 2.92 | 2.83 | 2.77 | 2.71 | 2.67 |
| 14 | 4.60 | 3.74 | 3.34 | 3.11 | 2.96 | 2.85 | 2.76 | 2.70 | 2.65 | 2.60 |
| 15 | 4.54 | 3.68 | 3.29 | 3.06 | 2.90 | 2.79 | 2.71 | 2.64 | 2.59 | 2.54 |
| 16 | 4.49 | 3.63 | 3.24 | 3.01 | 2.85 | 2.74 | 2.66 | 2.59 | 2.54 | 2.49 |
| 17 | 4.45 | 3.59 | 3.20 | 2.96 | 2.81 | 2.70 | 2.61 | 2.55 | 2.49 | 2.45 |
| 18 | 4.41 | 3.55 | 3.16 | 2.93 | 2.77 | 2.66 | 2.58 | 2.51 | 2.46 | 2.41 |
| 19 | 4.38 | 3.52 | 3.13 | 2.90 | 2.74 | 2.63 | 2.54 | 2.48 | 2.42 | 2.38 |
| 20 | 4.35 | 3.49 | 3.10 | 2.87 | 2.71 | 2.60 | 2.51 | 2.45 | 2.39 | 2.35 |
| 21 | 4.32 | 3.47 | 3.07 | 2.84 | 2.68 | 2.57 | 2.49 | 2.42 | 2.37 | 2.32 |
| 22 | 4.30 | 3.44 | 3.05 | 2.82 | 2.66 | 2.55 | 2.46 | 2.40 | 2.34 | 2.30 |
| 23 | 4.28 | 3.42 | 3.03 | 2.80 | 2.64 | 2.53 | 2.44 | 2.37 | 2.32 | 2.27 |
| 24 | 4.26 | 3.40 | 3.01 | 2.78 | 2.62 | 2.51 | 2.42 | 2.36 | 2.30 | 2.25 |
| 25 | 4.24 | 3.39 | 2.99 | 2.76 | 2.60 | 2.49 | 2.40 | 2.34 | 2.28 | 2.24 |
| 26 | 4.23 | 3.37 | 2.98 | 2.74 | 2.59 | 2.47 | 2.39 | 2.32 | 2.27 | 2.22 |
| 27 | 4.21 | 3.35 | 2.96 | 2.73 | 2.57 | 2.46 | 2.37 | 2.31 | 2.25 | 2.20 |
| 28 | 4.20 | 3.34 | 2.95 | 2.71 | 2.56 | 2.45 | 2.36 | 2.29 | 2.24 | 2.19 |
| 29 | 4.18 | 3.33 | 2.93 | 2.70 | 2.55 | 2.43 | 2.35 | 2.28 | 2.22 | 2.18 |
| 30 | 4.17 | 3.32 | 2.92 | 2.69 | 2.53 | 2.42 | 2.33 | 2.27 | 2.21 | 2.16 |
| 31 | 4.16 | 3.30 | 2.91 | 2.68 | 2.52 | 2.41 | 2.32 | 2.25 | 2.20 | 2.15 |
| 32 | 4.15 | 3.29 | 2.90 | 2.67 | 2.51 | 2.40 | 2.31 | 2.24 | 2.19 | 2.14 |
| 33 | 4.14 | 3.28 | 2.89 | 2.66 | 2.50 | 2.39 | 2.30 | 2.23 | 2.18 | 2.13 |
| 34 | 4.13 | 3.28 | 2.88 | 2.65 | 2.49 | 2.38 | 2.29 | 2.23 | 2.17 | 2.12 |
| 35 | 4.12 | 3.27 | 2.87 | 2.64 | 2.49 | 2.37 | 2.29 | 2.22 | 2.16 | 2.11 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 36 | 4.11 | 3.26 | 2.87 | 2.63 | 2.48 | 2.36 | 2.28 | 2.21 | 2.15 | 2.11 |
| 37 | 4.11 | 3.25 | 2.86 | 2.63 | 2.47 | 2.36 | 2.27 | 2.20 | 2.14 | 2.10 |
| 38 | 4.10 | 3.24 | 2.85 | 2.62 | 2.46 | 2.35 | 2.26 | 2.19 | 2.14 | 2.09 |
| 39 | 4.09 | 3.24 | 2.85 | 2.61 | 2.46 | 2.34 | 2.26 | 2.19 | 2.13 | 2.08 |
| 40 | 4.08 | 3.23 | 2.84 | 2.61 | 2.45 | 2.34 | 2.25 | 2.18 | 2.12 | 2.08 |
| 41 | 4.08 | 3.23 | 2.83 | 2.60 | 2.44 | 2.33 | 2.24 | 2.17 | 2.12 | 2.07 |
| 42 | 4.07 | 3.22 | 2.83 | 2.59 | 2.44 | 2.32 | 2.24 | 2.17 | 2.11 | 2.06 |
| 43 | 4.07 | 3.21 | 2.82 | 2.59 | 2.43 | 2.32 | 2.23 | 2.16 | 2.11 | 2.06 |
| 44 | 4.06 | 3.21 | 2.82 | 2.58 | 2.43 | 2.31 | 2.23 | 2.16 | 2.10 | 2.05 |
| 45 | 4.06 | 3.20 | 2.81 | 2.58 | 2.42 | 2.31 | 2.22 | 2.15 | 2.10 | 2.05 |

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| dfuntuk  penyebut  (N2) | dfuntuk pembilang (N1) | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 46 | 4.05 | 3.20 | 2.81 | 2.57 | 2.42 | 2.30 | 2.22 | 2.15 | 2.09 | 2.04 |
| 47 | 4.05 | 3.20 | 2.80 | 2.57 | 2.41 | 2.30 | 2.21 | 2.14 | 2.09 | 2.04 |
| 48 | 4.04 | 3.19 | 2.80 | 2.57 | 2.41 | 2.29 | 2.21 | 2.14 | 2.08 | 2.03 |
| 49 | 4.04 | 3.19 | 2.79 | 2.56 | 2.40 | 2.29 | 2.20 | 2.13 | 2.08 | 2.03 |
| 50 | 4.03 | 3.18 | 2.79 | 2.56 | 2.40 | 2.29 | 2.20 | 2.13 | 2.07 | 2.03 |
| 51 | 4.03 | 3.18 | 2.79 | 2.55 | 2.40 | 2.28 | 2.20 | 2.13 | 2.07 | 2.02 |
| 52 | 4.03 | 3.18 | 2.78 | 2.55 | 2.39 | 2.28 | 2.19 | 2.12 | 2.07 | 2.02 |
| 53 | 4.02 | 3.17 | 2.78 | 2.55 | 2.39 | 2.28 | 2.19 | 2.12 | 2.06 | 2.01 |
| 54 | 4.02 | 3.17 | 2.78 | 2.54 | 2.39 | 2.27 | 2.18 | 2.12 | 2.06 | 2.01 |
| 55 | 4.02 | 3.16 | 2.77 | 2.54 | 2.38 | 2.27 | 2.18 | 2.11 | 2.06 | 2.01 |
| 56 | 4.01 | 3.16 | 2.77 | 2.54 | 2.38 | 2.27 | 2.18 | 2.11 | 2.05 | 2.00 |
| 57 | 4.01 | 3.16 | 2.77 | 2.53 | 2.38 | 2.26 | 2.18 | 2.11 | 2.05 | 2.00 |
| 58 | 4.01 | 3.16 | 2.76 | 2.53 | 2.37 | 2.26 | 2.17 | 2.10 | 2.05 | 2.00 |
| 59 | 4.00 | 3.15 | 2.76 | 2.53 | 2.37 | 2.26 | 2.17 | 2.10 | 2.04 | 2.00 |
| 60 | 4.00 | 3.15 | 2.76 | 2.53 | 2.37 | 2.25 | 2.17 | 2.10 | 2.04 | 1.99 |
| 61 | 4.00 | 3.15 | 2.76 | 2.52 | 2.37 | 2.25 | 2.16 | 2.09 | 2.04 | 1.99 |
| 62 | 4.00 | 3.15 | 2.75 | 2.52 | 2.36 | 2.25 | 2.16 | 2.09 | 2.03 | 1.99 |
| 63 | 3.99 | 3.14 | 2.75 | 2.52 | 2.36 | 2.25 | 2.16 | 2.09 | 2.03 | 1.98 |
| 64 | 3.99 | 3.14 | 2.75 | 2.52 | 2.36 | 2.24 | 2.16 | 2.09 | 2.03 | 1.98 |
| 65 | 3.99 | 3.14 | 2.75 | 2.51 | 2.36 | 2.24 | 2.15 | 2.08 | 2.03 | 1.98 |
| 66 | 3.99 | 3.14 | 2.74 | 2.51 | 2.35 | 2.24 | 2.15 | 2.08 | 2.03 | 1.98 |
| 67 | 3.98 | 3.13 | 2.74 | 2.51 | 2.35 | 2.24 | 2.15 | 2.08 | 2.02 | 1.98 |
| 68 | 3.98 | 3.13 | 2.74 | 2.51 | 2.35 | 2.24 | 2.15 | 2.08 | 2.02 | 1.97 |
| 69 | 3.98 | 3.13 | 2.74 | 2.50 | 2.35 | 2.23 | 2.15 | 2.08 | 2.02 | 1.97 |
| 70 | 3.98 | 3.13 | 2.74 | 2.50 | 2.35 | 2.23 | 2.14 | 2.07 | 2.02 | 1.97 |
| 71 | 3.98 | 3.13 | 2.73 | 2.50 | 2.34 | 2.23 | 2.14 | 2.07 | 2.01 | 1.97 |
| 72 | 3.97 | 3.12 | 2.73 | 2.50 | 2.34 | 2.23 | 2.14 | 2.07 | 2.01 | 1.96 |
| 73 | 3.97 | 3.12 | 2.73 | 2.50 | 2.34 | 2.23 | 2.14 | 2.07 | 2.01 | 1.96 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 74 | 3.97 | 3.12 | 2.73 | 2.50 | 2.34 | 2.22 | 2.14 | 2.07 | 2.01 | 1.96 |
| 75 | 3.97 | 3.12 | 2.73 | 2.49 | 2.34 | 2.22 | 2.13 | 2.06 | 2.01 | 1.96 |
| 76 | 3.97 | 3.12 | 2.72 | 2.49 | 2.33 | 2.22 | 2.13 | 2.06 | 2.01 | 1.96 |
| 77 | 3.97 | 3.12 | 2.72 | 2.49 | 2.33 | 2.22 | 2.13 | 2.06 | 2.00 | 1.96 |
| 78 | 3.96 | 3.11 | 2.72 | 2.49 | 2.33 | 2.22 | 2.13 | 2.06 | 2.00 | 1.95 |
| 79 | 3.96 | 3.11 | 2.72 | 2.49 | 2.33 | 2.22 | 2.13 | 2.06 | 2.00 | 1.95 |
| 80 | 3.96 | 3.11 | 2.72 | 2.49 | 2.33 | 2.21 | 2.13 | 2.06 | 2.00 | 1.95 |
| 81 | 3.96 | 3.11 | 2.72 | 2.48 | 2.33 | 2.21 | 2.12 | 2.05 | 2.00 | 1.95 |
| 82 | 3.96 | 3.11 | 2.72 | 2.48 | 2.33 | 2.21 | 2.12 | 2.05 | 2.00 | 1.95 |
| 83 | 3.96 | 3.11 | 2.71 | 2.48 | 2.32 | 2.21 | 2.12 | 2.05 | 1.99 | 1.95 |
| 84 | 3.95 | 3.11 | 2.71 | 2.48 | 2.32 | 2.21 | 2.12 | 2.05 | 1.99 | 1.95 |
| 85 | 3.95 | 3.10 | 2.71 | 2.48 | 2.32 | 2.21 | 2.12 | 2.05 | 1.99 | 1.94 |
| 86 | 3.95 | 3.10 | 2.71 | 2.48 | 2.32 | 2.21 | 2.12 | 2.05 | 1.99 | 1.94 |
| 87 | 3.95 | 3.10 | 2.71 | 2.48 | 2.32 | 2.20 | 2.12 | 2.05 | 1.99 | 1.94 |
| 88 | 3.95 | 3.10 | 2.71 | 2.48 | 2.32 | 2.20 | 2.12 | 2.05 | 1.99 | 1.94 |
| 89 | 3.95 | 3.10 | 2.71 | 2.47 | 2.32 | 2.20 | 2.11 | 2.04 | 1.99 | 1.94 |
| 90 | 3.95 | 3.10 | 2.71 | 2.47 | 2.32 | 2.20 | 2.11 | 2.04 | 1.99 | 1.94 |