# LAMPIRAN

## Lampiran 1 =Data Mentah Dan Hasil Perhitungan

| No | Perusahaan | Kode | Tahun | Harga Sekarang | Harga sebelumnya | Return | Saham diterbitkan | Kapitalisasi Pasar |
|---|---|---|---|---|---|---|---|---|
| 1 | PT. Impack Pratama Industri Tbk | IMPC | 2021 | 2.550 | 1.325 | 0.92 | 4.833.500.000 | 12.325.425.000.000 |
| | | | 2022 | 3.520 | 2.550 | 0.38 | 4.933.500.000 | 17.365.920.000.000 |
| | | | 2023 | 388 | 3.520 | (0.89) | 54.268.500.000 | 21.056.178.000.000 |
| | | | 2024 | 370 | 388 | -0.05) | 54.268.500.000 | 20.079.345.000.000 |
| | | | 2025 | 3.930 | 370 | 9.62 | 54.907.000.000 | 215.784.510.000.000 |
| 2 | PT. Singaraja Putra Tbk | | 2021 | 336 | 370 | (0.09) | 468.300.850 | 157.349.085,600 |
| | | | 2022 | 1.105 | 336 | 2.29 | 481.000.000 | 531.505.000.000 |
| | | | 2023 | 875 | 1.105 | (0.21) | 481.000.000 | 420.875.000.000 |
| | | | 2024 | 5.000 | 875 | 4.71 | 481.000.000 | 2.405.000.000.000 |
| | | | 2025 | 14.500 | 5.000 | 1.90 | 481.000.000 | 6.974.500.000.000 |
| 3 | PT. Arwana Citramulia Tbk | ARNA | 2021 | 800 | 680 | 0.18 | 7.341.430.976 | 5.873.144.780.800 |
| | | | 2022 | 995 | 800 | 0.24 | 7.341.430.976 | 7.304.723.821.120 |
| | | | 2023 | 665 | 995 | (0.33) | 7.341.430.976 | 4.882.051.599.040 |
| | | | 2024 | 690 | 665 | 0.04 | 7.341.430.976 | 5.065.587.373.440 |
| | | | 2025 | 530 | 690 | (0.23) | 7.341.430.976 | 3.890.958.417.280 |
| 4 | PT. Surya Toto Indonesia Tbk | TOTO | 2021 | 220 | 238 | (0.08) | 10.320.000.000 | 2.270.400.000.000 |
| | | | 2022 | 270 | 220 | 0.23 | 10.320.000.000 | 2.786.400.000.000 |
| | | | 2023 | 228 | 270 | (0.16) | 10.320.000.000 | 2.352.960.000.000 |
| | | | 2024 | 220 | 228 | (0.04) | 10.320.000.000 | 2.270.400.000.000 |
| | | | 2025 | 272 | 220 | 0.24 | 10.320.000.000 | 2.807.040.000.000 |
| 5 | PT. Surya Pertiwi Tbk | SPTO | 2021 | 640 | 585 | 0.09 | 2.700.000.000 | 1.728.000.000.000 |
| | | | 2022 | 545 | 640 | (0.15) | 2.700.000.000 | 1.471.500.000.000 |
| | | | 2023 | 560 | 545 | 0.03 | 2.700.000.000 | 1.512.000.000.000 |
| | | | 2024 | 650 | 560 | 0.16 | 2.700.000.000 | 1.755.000.000.000 |
| | | | 2025 | 650 | 650 | 0.00 | 2.700.000.000 | 1.755.000.000.000 |
| 6 | PT. Mulia Industrindo Tbk | MLIA | 2021 | 2.210 | 555 | 2.98 | 1.323.000.000 | 2.923.830.000.000 |
| | | | 2022 | 525 | 2.210 | (0.76) | 6.615.000.000 | 3.472.875.000.000 |
| | | | 2023 | 438 | 525 | (0.17) | 6.615.000.000 | 2.897.370.000.000 |
| | | | 2024 | 310 | 438 | (0.29) | 6.615.000.000 | 2.050.650.000.000 |
| | | | 2025 | 340 | 310 | 0.10 | 6.615.000.000 | 2.249.100.000.000 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 7 | PT. Asahimas Flat Glass Tbk | AMFG | 2021 | 4.440 | 2.700 | 0.64 | 434.000.000 | 1.926.960.000.000 |
| | | | 2022 | 5.550 | 4.440 | 0.25 | 434.000.000 | 2.408.700.000.000 |
| | | | 2023 | 5.900 | 5.550 | 0.06 | 434.000.000 | 2.560.600.000.000 |
| | | | 2024 | 4.290 | 5.900 | (0.27) | 434.000.000 | 1.861.860.000.000 |
| | | | 2025 | 3.390 | 4.290 | (0.21) | 434.000.000 | 1.471.260.000.000 |
| 8 | PT. Intikeramik Alamasri Industri Tbk | IKAI | 2021 | 50 | 50 | 0.00 | 13.305.799.387 | 665.289.969.350 |
| | | | 2022 | 50 | 50 | 0.00 | 13.305.799.387 | 665.289.969.350 |
| | | | 2023 | 50 | 50 | 0.00 | 13.305.799.387 | 665.289.969.350 |
| | | | 2024 | 11 | 50 | (0.78) | 13.305.799.387 | 146.363.793.257 |
| | | | 2025 | 20 | 11 | 0.82 | 13.305.799.387 | 266.115.987.740 |
| 9 | PT. Cahayaputra Asa Keramik Tbk | CAKK | 2021 | 98 | 52 | 0.88 | 1.203.300.219 | 117.923.421.462 |
| | | | 2022 | 202 | 98 | 1.06 | 1.203.300.219 | 243.066.644.238 |
| | | | 2023 | 185 | 202 | (0.08) | 1.203.300.219 | 222.610.540.515 |
| | | | 2024 | 150 | 185 | (0.19) | 1.203.300.219 | 180.495.032.850 |
| | | | 2025 | 180 | 150 | 0.20 | 1.203.300.219 | 216.594.039.420 |
| 10 | PT. Citatah Tbk | CTTH | 2021 | 50 | 55 | (0.09) | 1.230.839.821 | 61.541.991.050 |
| | | | 2022 | 50 | 50 | 0.00 | 1.230.839.821 | 61.541.991.050 |
| | | | 2023 | 12 | 50 | (0.76) | 1.230.839.821 | 14.770.077.852 |
| | | | 2024 | 26 | 12 | 1.17 | 1.230.839.821 | 32.001.835.346 |
| | | | 2025 | 134 | 26 | 4.15 | 1.230.839.821 | 164.932.536.014 |
| 11 | PT. Keramika Indonesia Assosiasi Tbk | KIAS | 2021 | 50 | 50 | 0.00 | 14.929.100.000 | 746.455.000.000 |
| | | | 2022 | 50 | 50 | 0.00 | 14.929.100.000 | 746.455.000.000 |
| | | | 2023 | 15 | 50 | (0.70) | 14.929.100.000 | 223.936.500.000 |
| | | | 2024 | 22 | 15 | 0.47 | 14.929.100.000 | 328.440.200.000 |
| | | | 2025 | 21 | 22 | (0.05) | 14.929.100.000 | 313.511.100.000 |
| 12 | PT. Kokoh Inti Arebama Tbk | KOIN | 2021 | 160 | 101 | 0.58 | 980.843.732 | 156.934.997.120 |
| | | | 2022 | 127 | 160 | (0.21) | 980.843.732 | 124.567.153.964 |
| | | | 2023 | 81 | 127 | (0.36) | 980.843.732 | 79.448.342.292 |
| | | | 2024 | 70 | 81 | (0.14) | 980.843.732 | 68.659.061.240 |
| | | | 2025 | 85 | 70 | 0.21 | 980.843.732 | 83.371.717.220 |

**Lampiran 2 = Data Sanpel**

## Variabel Retrun Saham

| No | KODE | PERUSAHAAN | Retun saham (%) | | | | |
|---|---|---|---|---|---|---|---|
| | | | 2021 | 2022 | 2023 | 2024 | 2025 |
| 1 | IMPC | PT. Impack Pratama Industri Tbk | 92 | 38 | (89) | (5) | 962 |
| 2 | SINI | PT. Singaraja Putra Tbk | (9) | 229 | (21) | 471 | 190 |
| 3 | ARNA | PT. Arwana Citramulia Tbk | 18 | 24 | (33) | 4 | (23) |
| 4 | TOTO | PT. Surya Toto Indonesia Tbk | (8) | 23 | (16) | (4) | 24 |
| 5 | SPTO | PT. Surya Pertiwi Tbk | 9 | (15) | 3 | 16 | 0 |
| 6 | MLIA | PT. Mulia Industrindo Tbk | 298 | (76) | (17) | (29) | 10 |
| 7 | AMFG | PT. Asahimas Flat Glass Tbk | 64 | 25 | 6 | (27) | (21) |
| 8 | IKAI | PT. Intikeramik Alamasri Industri Tbk | 0 | 0 | 0 | (78) | 82 |
| 9 | CAKK | PT. Cahayaputra Asa Keramik Tbk | 88 | 106 | (8) | (19) | 20 |
| 10 | CTTH | PT. Citatah Tbk | (9) | 0 | (76) | 117 | 415 |
| 11 | KIAS | PT. Keramika Indonesia Assosiasi Tbk | 0 | 0 | (70) | 47 | (5) |
| 12 | KOIN | PT. Kokoh Inti Arebama Tbk | 58 | (21) | (36) | (14) | 21 |
| Rata-rata | | | 50 | 28 | (30) | 40 | 140 |

| No | KODE | PERUSAHAAN | Frekuensi (kali) | | | | |
|---|---|---|---|---|---|---|---|
| | | | 2021 | 2022 | 2023 | 2024 | 2025 |
| 1 | IMPC | PT. Impack Pratama Industri Tbk | 418 | 264 | 730 | 328 | 9.895 |
| 2 | SINI | PT. Singaraja Putra Tbk | 1.534 | 3.878 | 46 | 22 | 986 |
| 3 | ARNA | PT. Arwana Citramulia Tbk | 496 | 374 | 384 | 92 | 269 |
| 4 | TOTO | PT. Surya Toto Indonesia Tbk | 45 | 59 | 166 | 92 | 331 |
| 5 | SPTO | PT. Surya Pertiwi Tbk | 31 | 74 | 81 | 64 | 213 |
| 6 | MLIA | PT. Mulia Industrindo Tbk | 721 | 301 | 395 | 174 | 284 |
| 7 | AMFG | PT. Asahimas Flat Glass Tbk | 30 | 64 | 28 | 170 | 33 |
| 8 | IKAI | PT. Intikeramik Alamasri Industri Tbk | 4 | 2 | 1 | 71 | 585 |
| 9 | CAKK | PT. Cahayaputra Asa Keramik Tbk | 908 | 408 | 1.442 | 80 | 76 |
| 10 | CTTH | PT. Citatah Tbk | 60 | 1 | 21 | 1 | 4.626 |
| 11 | KIAS | PT. Keramika Indonesia Assosiasi Tbk | 5 | 3 | 22 | 23 | 11 |
| 12 | KOIN | PT. Kokoh Inti Arebama Tbk | 4 | 6 | 8 | 5 | 37 |
| | | Rata-rata | 3.546.667 | 4.528.333 | 277 | 93.5 | 1445.5 |

**Variabel Frekuensi Perdagangan**

## Variabel Volume Perdagangan Saham

| No | KODE | PERUSAHAAN | Volume Perdagangan Saham (lembar) | | | | |
|---|---|---|---|---|---|---|---|
| | | | 2021 | 2022 | 2023 | 2024 | 2025 |
| 1 | IMPC | PT. Impack Pratama Industri Tbk | 3.583.000 | 1.741.000 | 9.595.500 | 13.536.800 | 30.545.200 |
| 2 | SINI | PT. Singaraja Putra Tbk | 2.592.500 | 9.749.600 | 159.000 | 140.000 | 6.042.900 |
| 3 | ARNA | PT. Arwana Citramulia Tbk | 1.792.300 | 870.800 | 4.344.600 | 777.900 | 1.977.500 |
| 4 | TOTO | PT. Surya Toto Indonesia Tbk | 91.500 | 145.900 | 610.800 | 349.100 | 471.900 |
| 5 | SPTO | PT. Surya Pertiwi Tbk | 120.000 | 195.100 | 73.200 | 297.600 | 889.000 |
| 6 | MLIA | PT. Mulia Industrindo Tbk | 6.978.300 | 8.638.200 | 5.960.100 | 3.552.300 | 3.406.700 |
| 7 | AMFG | PT. Asahimas Flat Glass Tbk | 99.600 | 21.300 | 28.400 | 297.400 | 12.400 |
| 8 | IKAI | PT. Intikeramik Alamasri Industri Tbk | 25.300 | 300 | 500 | 3.164.000 | 27.776.100 |
| 9 | CAKK | PT. Cahayaputra Asa Keramik Tbk | 8.277.300 | 2.098.800 | 10.732.700 | 826.700 | 373.900 |
| 10 | CTTH | PT. Citatah Tbk | 1.179.600 | 100 | 121.200 | 4.000 | 36.408.100 |
| 11 | KIAS | PT. Keramika Indonesia Assosiasi Tbk | 500 | 300 | 464.800 | 312.100 | 41.100 |
| 12 | KOIN | PT. Kokoh Inti Arebama Tbk | 6.100 | 3.700 | 39.200 | 16.000 | 127.400 |
| | | Rata-rata | 2.062.167 | 1.955.425 | 2.677.500 | 1.939.492 | 9.006.017 |

# Variabel Kapitalisasi Pasar

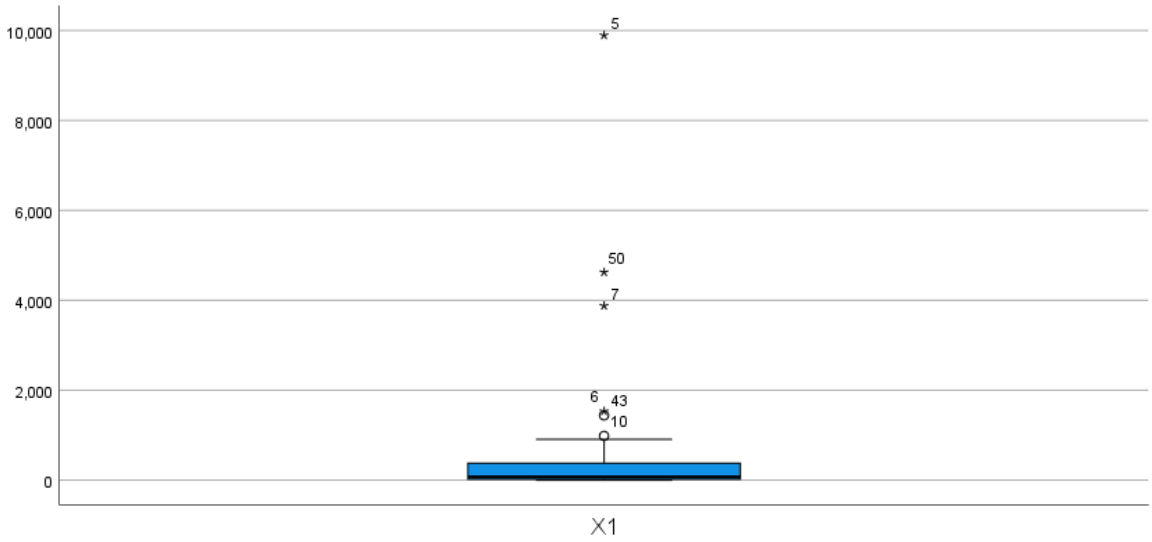
| No | KODE | PERUSAHAAN | Kapitalisasi Pasar (Rp) | | | | |
|---|---|---|---|---|---|---|---|
| | | | 2021 | 2022 | 2023 | 2024 | 2025 |
| 1 | IMPC | PT. Impack Pratama Industri Tbk | 12.325.425.000.000 | 17.365.920.000.000 | 21.056.178.000.000 | 20.079.345.000.000 | 215.784.510.000.000 |
| 2 | SINI | PT. Singaraja Putra Tbk | 157.349.085.600 | 531.505.000.000 | 420.875.000.000 | 2.405.000.000.000 | 6.974.500.000.000 |
| 3 | ARNA | PT. Arwana Citramulia Tbk | 5.873.144.780.800 | 7.304.723.821.120 | 4.882.051.599.040 | 5.065.587.373.440 | 3.890.958.417.280 |
| 4 | TOTO | PT. Surya Toto Indonesia Tbk | 2.270.400.000.000 | 2.786.400.000.000 | 2.352.960.000.000 | 2.270.400.000.000 | 2.807.040.000.000 |
| 5 | SPTO | PT. Surya Pertiwi Tbk | 1.728.000.000.000 | 1.471.500.000.000 | 1.512.000.000.000 | 1.755.000.000.000 | 1.755.000.000.000 |
| 6 | MLIA | PT. Mulia Industrindo Tbk | 2.923.830.000.000 | 3.472.875.000.000 | 2.897.370.000.000 | 2.050.650.000.000 | 2.249.100.000.000 |
| 7 | AMFG | PT. Asahimas Flat Glass Tbk | 1.926.960.000.000 | 2.408.700.000.000 | 2.560.600.000.000 | 1.861.860.000.000 | 1.471.260.000.000 |
| 8 | IKAI | PT. Intikeramik Alamasri Industri Tbk | 665.289.969.350 | 665.289.969.350 | 665.289.969.350 | 146.363.793.257 | 266.115.987.740 |
| 9 | CAKK | PT. Cahayaputra Asa Keramik Tbk | 117.923.421.462 | 243.066.644.238 | 222.610.540.515 | 180.495.032.850 | 216.594.039.420 |
| 10 | CTTH | PT. Citatah Tbk | 61.541.991.050 | 61.541.991.050 | 14.770.077.852 | 32.001.835.346 | 164.932.536.014 |
| 11 | KIAS | PT. Keramika Indonesia Assosiasi Tbk | 746.455.000.000 | 746.455.000.000 | 223.936.500.000 | 328.440.200.000 | 313.511.100.000 |
| 12 | KOIN | PT. Kokoh Inti Arebama Tbk | 156.934.997.120 | 124.567.153.964 | 79.448.342.292 | 68.659.061.240 | 83.371.717.220 |
| Rata-rata | | | 2.412.771.187.115 | 3.098.545.381.644 | 3.074.007.502.421 | 3.020.316.858.011 | 19.664.741.149.806 |

## Lampiran 3 = Data Yang di Outlier

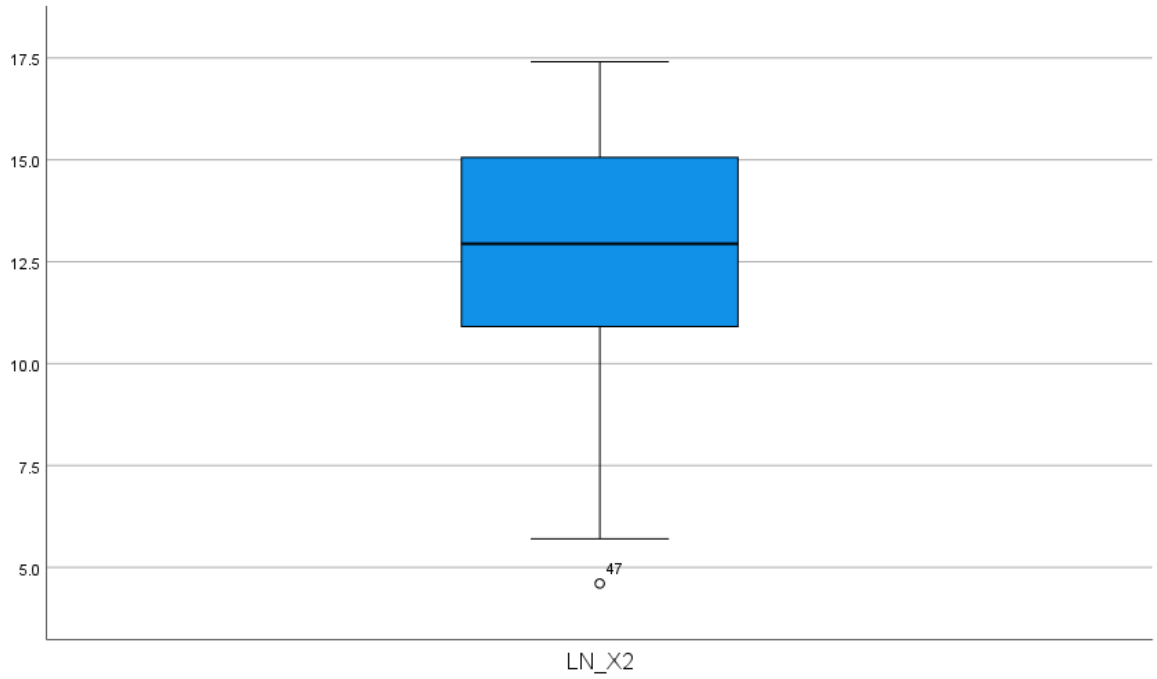
| No | No | Perusahaan | Kode | Tahun | Frekuensi Perdagangan (X1) | Volume Perdaganagn Saham(X2) | Kapitalisasi Pasar(X3) | Return Saham(Y) |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | PT. Impack Pratama Industri Tbk | IMPC | 2021 | 418 | 3583000 | 12.325.425.000.000 | 0.92 |
| 2 | | | | 2022 | 264 | 1741000 | 17.365.920.000.000 | 0.38 |
| 3 | | | | 2023 | 730 | 9595500 | 21.056.178.000.000 | (0.89) |
| 4 | | | | 2024 | 328 | 13536800 | 20.079.345.000.000 | (0.05) |
| 5 | | | | 2025 | 9895 | 30545200 | 215.784.510.000.000 | 9.62 |
| 6 | 2 | PT. Singaraja Putra Tbk | | 2021 | 1534 | 2592500 | 157.349.085.600 | (0.09) |
| 7 | | | | 2022 | 3878 | 9749600 | 531.505.000.000 | 2.29 |
| 8 | | | | 2023 | 46 | 159000 | 420.875.000.000 | (0.21) |
| 9 | | | | 2024 | 22 | 140000 | 2.405.000.000.000 | 4.71 |
| 10 | | | | 2025 | 986 | 6042900 | 6.974.500.000.000 | 1.90 |
| 11 | 3 | PT. Arwana Citramulia Tbk | ARNA | 2021 | 496 | 1792300 | 5.873.144.780.800 | 0.18 |
| 12 | | | | 2022 | 374 | 870800 | 7.304.723.821.120 | 0.24 |
| 13 | | | | 2023 | 384 | 4344600 | 488.051.599.040 | (0.33) |
| 14 | | | | 2024 | 92 | 777900 | 5.065.587.373.440 | 0.04 |
| 15 | | | | 2025 | 269 | 1977500 | 3.890.958.417.280 | (0.23) |
| 16 | 4 | PT. Surya Toto Indonesia Tbk | TOTO | 2021 | 45 | 91500 | 2.270.400.000.000 | (0.08) |
| 17 | | | | 2022 | 59 | 145900 | 2.786.400.000.000 | 0.23 |
| 18 | | | | 2023 | 166 | 610800 | 2.352.960.000.000 | (0.16) |
| 19 | | | | 2024 | 92 | 349100 | 2.270.400.000.000 | (0.04) |
| 20 | | | | 2025 | 331 | 471900 | 2.807.040.000.000 | 0.24 |
| 21 | 5 | PT. Surya Pertiwi Tbk | SPTO | 2021 | 31 | 120000 | 1.728.000.000.000 | 0.09 |
| 22 | | | | 2022 | 74 | 195100 | 1.471.500.000.000 | (0.15) |
| 23 | | | | 2023 | 81 | 73200 | 1.512.000.000.000 | 0.03 |
| 24 | | | | 2024 | 64 | 297600 | 1.755.000.000.000 | 0.16 |
| 25 | | | | 2025 | 213 | 889000 | 1755.000.000.000 | 0.00 |
| 26 | 6 | PT. Mulia Industrindo Tbk | MLIA | 2021 | 721 | 6978300 | 2.923.830.000.000 | 2.98 |
| 27 | | | | 2022 | 301 | 8638200 | 3.472.875.000.000 | (0.76) |
| 28 | | | | 2023 | 395 | 5960100 | 2.897.370.000.000 | (0.17) |
| 29 | | | | 2024 | 174 | 3552300 | 2.050.650.000.000 | (0.29) |
| 30 | | | | 2025 | 284 | 3406700 | 2.249.100.000.000 | 0.10 |
| 31 | 7 | PT. Asahimas Flat Glass Tbk | AMFG | 2021 | 30 | 99600 | 1926.960.000.000 | 0.64 |
| 32 | | | | 2022 | 64 | 21300 | 2.408.700.000.000 | 0.25 |
| 33 | | | | 2023 | 28 | 28400 | 2.560.600.000.000 | 0.06 |
| 34 | | | | 2024 | 170 | 297400 | 1.861.860.000.000 | (0.27) |
| 35 | | | | 2025 | 33 | 12400 | 1.471.260.000.000 | (0.21) |
| 36 | 8 | PT. Intikeramik Alamasri Industri Tbk | IKAI | 2021 | 4 | 25300 | 665.289.969.350 | 0.00 |
| 37 | | | | 2022 | 2 | 300 | 665.289.969.350 | 0.00 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 38 | | | | 2023 | 1 | 500 | 665.289.969.350 | 0.00 |
| 39 | | | | 2024 | 71 | 3164000 | 146.363.793.257 | (0.78) |
| 40 | | | | 2025 | 585 | 27776100 | 266.115.987.740 | 0.82 |
| 41 | 9 | PT. Cahayaputra Asa Keramik Tbk | CAKK | 2021 | 908 | 8277300 | 117.923.421.462 | 0.88 |
| 42 | | | | 2022 | 408 | 2098800 | 243.066.644.238 | 1.06 |
| 43 | | | | 2023 | 1442 | 10732700 | 222.610.540.515 | (0.08) |
| 44 | | | | 2024 | 80 | 826700 | 180.495.032.850 | (0.19) |
| 45 | | | | 2025 | 76 | 373900 | 216.594.039.420 | 0.20 |
| 46 | 10 | PT. Citatah Tbk | CTTH | 2021 | 60 | 1179600 | 61.541.991.050 | (0.09) |
| 47 | | | | 2022 | 1 | 100 | 61.541.991.050 | 0.00 |
| 48 | | | | 2023 | 21 | 121200 | 1477.007.7852 | (0.76) |
| 49 | | | | 2024 | 1 | 4000 | 32.001.835.346 | 1.17 |
| 50 | | | | 2025 | 4626 | 36408100 | 164.932.536.014 | 4.15 |
| 51 | 11 | PT. Keramika Indonesia Assosiasi Tbk | KIAS | 2021 | 5 | 500 | 746.455.000.000 | 0.00 |
| 52 | | | | 2022 | 3 | 300 | 746.455.000.000 | 0.00 |
| 53 | | | | 2023 | 22 | 464800 | 223.936.500.000 | (0.70) |
| 54 | | | | 2024 | 23 | 312100 | 328.440.200.000 | 0.47 |
| 55 | | | | 2025 | 11 | 41100 | 313511100.000 | (0.05) |
| 56 | 12 | PT. Kokoh Inti Arebama Tbk | KOIN | 2021 | 4 | 6100 | 156.934.997.120 | 0.58 |
| 57 | | | | 2022 | 6 | 3700 | 124.567.153.964 | (0.21) |
| 58 | | | | 2023 | 8 | 39200 | 79.448.342.292 | (0.36) |
| 59 | | | | 2024 | 5 | 16000 | 68.659.061.240 | (0.14) |
| 60 | | | | 2025 | 37 | 127400 | 83.371.717.220 | 0.21 |

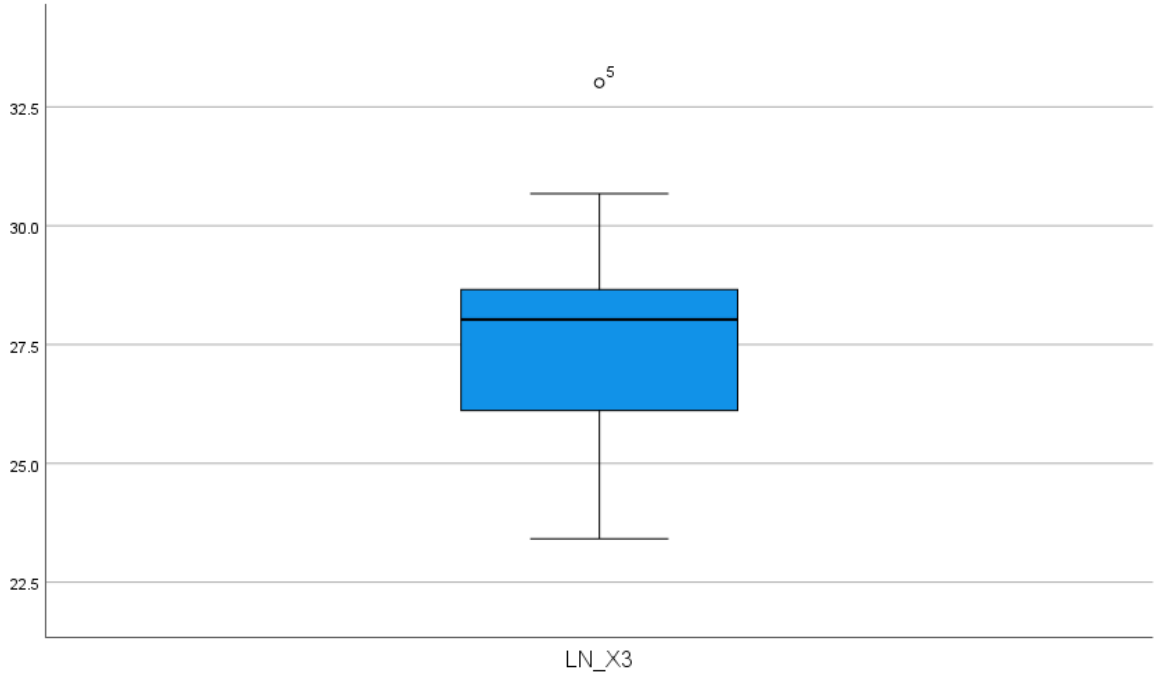
## Outlier X1



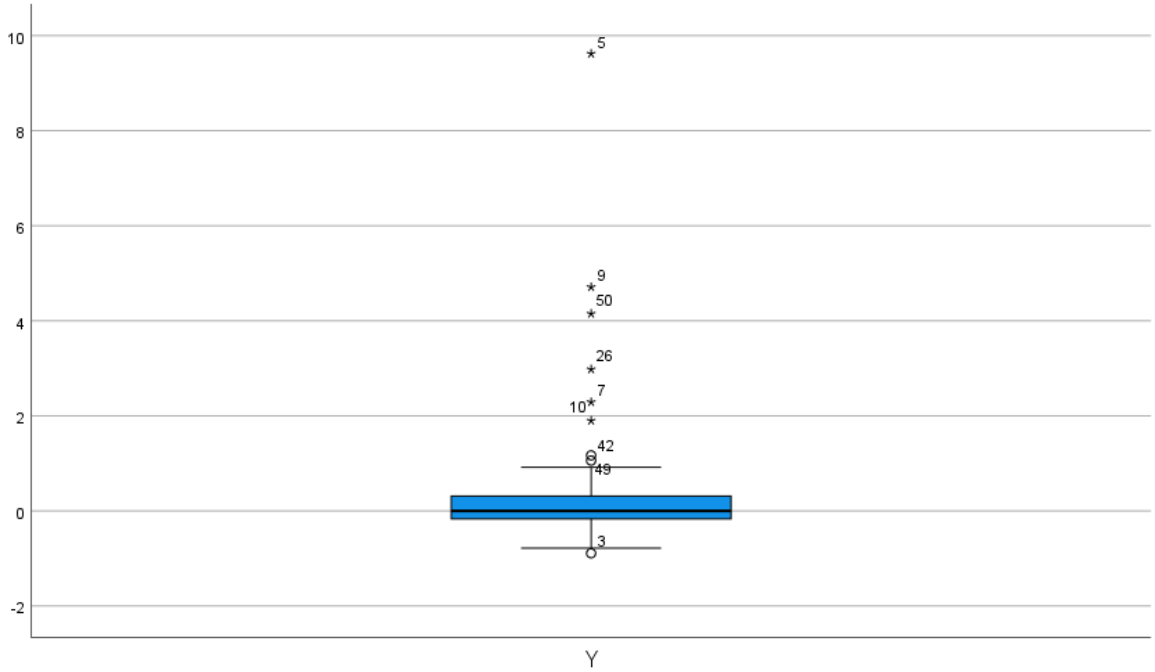

## Outlier X2



## Outlier X3




## Outlier Y



**Lampiran 4 = Tabulasi Data**

## Tabulasi Data

| No | Frekuensi Perdagangan(X1) | Volume Perdagangan Saham(X2) | Kapitalisasi Pasar (X3) | Return Saham(Y) | LN_X2 | LN_X2 |
|---|---|---|---|---|---|---|
| 1 | 418 | 3583000 | 12325425000000 | 0.92 | 15.09 | 30.14 |
| 2 | 264 | 1741000 | 17365920000000 | 0.38 | 14.37 | 30.49 |
| 3 | 328 | 13536800 | 20079345000000 | -0.05 | 16.42 | 30.63 |
| 4 | 46 | 159000 | 420875000000 | -0.21 | 11.98 | 26.77 |
| 5 | 496 | 1792300 | 5873144780800 | 0.18 | 14.4 | 29.4 |
| 6 | 374 | 870800 | 7304723821120 | 0.24 | 13.68 | 29.62 |
| 7 | 384 | 4344600 | 4882051599040 | -0.33 | 15.28 | 29.22 |
| 8 | 92 | 777900 | 5065587373440 | 0.04 | 13.56 | 29.25 |
| 9 | 269 | 1977500 | 3890958417280 | -0.23 | 14.5 | 28.99 |
| 10 | 45 | 91500 | 2270400000000 | -0.08 | 11.42 | 28.45 |
| 11 | 59 | 145900 | 2786400000000 | 0.23 | 11.89 | 28.66 |
| 12 | 166 | 610800 | 2352960000000 | -0.16 | 13.32 | 28.49 |
| 13 | 92 | 349100 | 2270400000000 | -0.04 | 12.76 | 28.45 |
| 14 | 331 | 471900 | 2807040000000 | 0.24 | 13.06 | 28.66 |
| 15 | 31 | 120000 | 1728000000000 | 0.09 | 11.7 | 28.18 |
| 16 | 74 | 195100 | 1471500000000 | -0.15 | 12.18 | 28.02 |
| 17 | 81 | 73200 | 1512000000000 | 0.03 | 11.2 | 28.04 |
| 18 | 64 | 297600 | 1755000000000 | 0.16 | 12.6 | 28.19 |
| 19 | 213 | 889000 | 1755000000000 | 0 | 13.7 | 28.19 |
| 20 | 301 | 8638200 | 3472875000000 | -0.76 | 15.97 | 28.88 |
| 21 | 395 | 5960100 | 2897370000000 | -0.17 | 15.6 | 28.69 |
| 22 | 174 | 3552300 | 2050650000000 | -0.29 | 15.08 | 28.35 |
| 23 | 284 | 3406700 | 2249100000000 | 0.1 | 15.04 | 28.44 |
| 24 | 30 | 99600 | 1926960000000 | 0.64 | 11.51 | 28.29 |
| 25 | 64 | 21300 | 2408700000000 | 0.25 | 9.97 | 28.51 |
| 26 | 28 | 28400 | 2560600000000 | 0.06 | 10.25 | 28.57 |
| 27 | 170 | 297400 | 1861860000000 | -0.27 | 12.6 | 28.25 |
| 28 | 33 | 12400 | 1471260000000 | -0.21 | 9.43 | 28.02 |
| 29 | 4 | 25300 | 665289969350 | 0 | 10.14 | 27.22 |
| 30 | 2 | 300 | 665289969350 | 0 | 5.7 | 27.22 |
| 31 | 1 | 500 | 665289969350 | 0 | 6.21 | 27.22 |
| 32 | 71 | 3164000 | 146363793257 | -0.78 | 14.97 | 25.71 |
| 33 | 585 | 27776100 | 266115987740 | 0.82 | 17.14 | 26.31 |
| 34 | 908 | 8277300 | 117923421462 | 0.88 | 15.93 | 25.49 |
| 35 | 80 | 826700 | 180495032850 | -0.19 | 13.63 | 25.92 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 36 | 76 | 373900 | 216594039420 | 0.2 | 12.83 | 26.1 |
| 37 | 60 | 1179600 | 61541991050 | -0.09 | 13.98 | 24.84 |
| 38 | 21 | 121200 | 14770077852 | -0.76 | 11.71 | 23.42 |
| 39 | 5 | 500 | 746455000000 | 0 | 6.21 | 27.34 |
| 40 | 3 | 300 | 746455000000 | 0 | 5.7 | 27.34 |
| 41 | 22 | 464800 | 223936500000 | -0.7 | 13.05 | 26.13 |
| 42 | 23 | 312100 | 328440200000 | 0.47 | 12.65 | 26.52 |
| 43 | 11 | 41100 | 313511100000 | -0.05 | 10.62 | 26.47 |
| 44 | 4 | 6100 | 156934997120 | 0.58 | 8.72 | 25.78 |
| 45 | 6 | 3700 | 124567153964 | -0.21 | 8.22 | 25.55 |
| 46 | 8 | 39200 | 79448342292 | -0.36 | 10.58 | 25.1 |
| 47 | 5 | 16000 | 68659061240 | -0.14 | 9.68 | 24.95 |
| 48 | 37 | 127400 | 83371717220 | 0.21 | 11.76 | 25.15 |

**Lampiran 5 = Hasil Uji Asumsi Klasuk**

## Uji Normalitas

| One-Sample Kolmogorov-Smirnov Test | | | |
|---|---|---|---|
| | | | Unstandardized Residual |
| N | | | 48 |
| Normal Parameters[a,b] | Mean | | 0.0000000 |
| | Std. Deviation | | 0.32812593 |
| Most Extreme Differences | Absolute | | 0.105 |
| | Positive | | 0.105 |
| | Negative | | -0.071 |
| Test Statistic | | | 0.105 |
| Asymp. Sig. (2-tailed)[c] | | | .200[d] |
| Monte Carlo Sig. (2tailed)[e] | Sig. | | 0.194 |
| | 99% Confidence Interval | Lower Bound | 0.184 |
| | | Upper Bound | 0.204 |

a.Test distribution is Normal.

b. Calculated from data.

c.Lilliefors Significance Correction.

d. This is a lower bound of the true significance.

e.Lilliefors' method based on 10000 Monte Carlo samples with starting seed 299883525.

## Hasil Uji Multikolineritas

| Coefficients[a] | | | |
|---|---|---|---|
| Model | | Collinearity Statistics | |
| | | Tolerance | VIF |
| 1 | X1 | 0.511 | 1.956 |
| | LN_X2 | 0.520 | 1.925 |
| | LN_X3 | 0.889 | 1.125 |

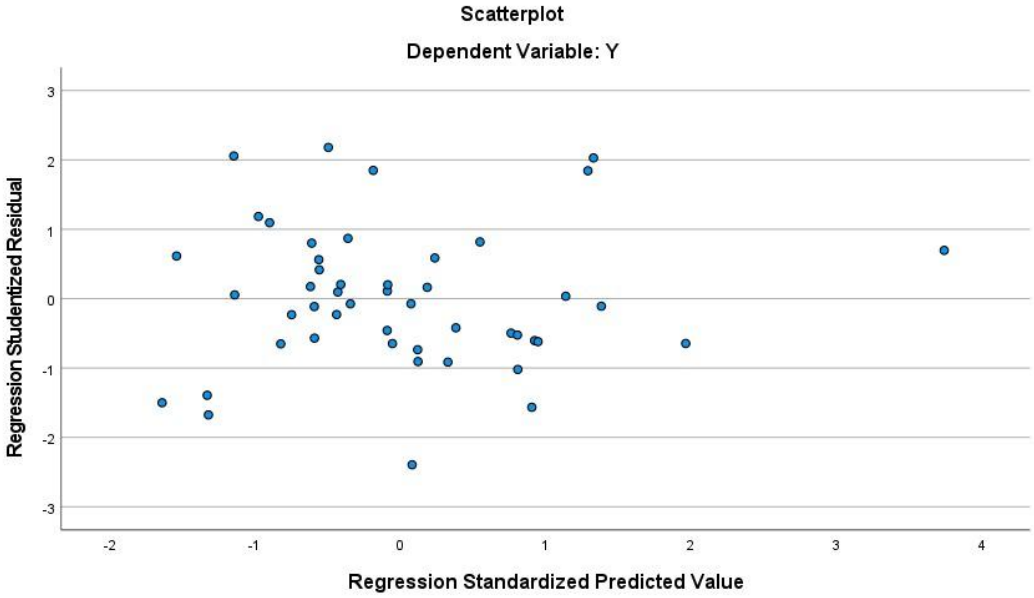
Dependent Variable: Y

| Model Summary[b] | | | | | |
|---|---|---|---|---|---|
| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate | Durbin-Watson |
| 1 | .504[a] | 0.254 | 0.203 | 0.33913 | 1.747 |

## Hasil Uji Autokorelasi

a. Predictors: (Constant), LN_X3, LN_X2, X1

## Hasil Uji Heteroskedastisitas




## Lampiran 6 = Hasil Uji Regresi Linear Berganda

## Hasil Uji Regresi Linear Berganda

**Coefficients[a]**

| Model | | Unstandardized Coefficients | | Standardized Coefficients | t | Sig. |
|---|---|---|---|---|---|---|
| | | B | Std. Error | Beta | | |
| 1 | (Constant) | -0.237 | 0.890 | | -0.266 | 0.791 |
| | X1 | 0.001 | 0.000 | 0.649 | 3.561 | 0.001 |
| | LN_X2 | -0.058 | 0.024 | -0.432 | -2.389 | 0.021 |
| | LN_X3 | 0.028 | 0.032 | 0.118 | 0.857 | 0.396 |

a

. Dependent Variable:Return saham

**Lampiran 7 = Hasil Uji Hipotesis**

## Hasil Uji t

**Coefficients[a]**

| Model | | Unstandardized Coefficients | | Standardized Coefficients | t | Sig. |
|---|---|---|---|---|---|---|
| | | B | Std. Error | Beta | | |
| 1 | (Constant) | -0.237 | 0.890 | | -0.266 | 0.791 |
| | X1 | 0.001 | 0.000 | 0.649 | 3.561 | 0.001 |
| | LN_X2 | -0.058 | 0.024 | -0.432 | -2.389 | 0.021 |
| | LN_X3 | 0.028 | 0.032 | 0.118 | 0.857 | 0.396 |

a. Dependent Variable:Return saham

## Hasil Uji f

**ANOVA[a]**

| Model | | Sum of Squares | df | Mean Square | F | Sig. |
|---|---|---|---|---|---|---|
| 1 | Regression | 1.724 | 3 | 0.575 | 4.997 | .005[b] |
| | Residual | 5.060 | 44 | 0.115 | | |
| | Total | 6.784 | 47 | | | |

a. Dependent Variable: Y

b. Predictors: (Constant), LN_X3, LN_X2, X1

## Hasil Uji Koefisien Dertiminasi (R)

**Model Summary[b]**

| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate |
|---|---|---|---|---|
| 1 | .504[a] | 0.254 | 0.203 | 0.33913 |

a.Predictors: (Constant), LN_X3, LN_X2, X1

b. Dependent Variable: Y

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**Pembimbing I**

| No | Tanggal | Uraian | Tanda Tangan Pembimbing |
|---|---|---|---|
| 1. | 30-07-2026 | -> Perbaikan Latar belakang | |
| 2 | 03-08-2026 | -> Perbaikan kuesioner | |
| 3. | 04-08-2026 | -> Perbaikan teori pada Penelitian Terdahulu | |
| 5 | 05-08-2026 | -> Perbaiki tabel Rata-rata tabel<br>-> Perbaikan Sampel Penelitian | |
| 6. | 06-08-2026 | -> Perbaiki hasil analisi<br>-> Perbaiki hasil analisis deskriptif | |
| 7. | 08-08-2026 | -> Perbaikan kalimat analisi Asumsi klasik | |
| 8. | 11. 08-2026 | -> Perbaiki Daftar Pustaka | |

Tanggal.....
Dosen Pembimbing I

Jusuf Aboladaka, SE.,M.Si
NUPTK . 043874564613008

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| | |
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| Nama | : Viktoria Modesata Lay |
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| Program Studi | : Manajemen |
| Judul Skripsi | : Pengaruh frekuensi perdagangan, volume perdagangan saham dan kapitalisasi pasar terhadap return saham pada perusahaan sub industri Produk dan Perlengkapan Bangunan yang terdaftar diBursa Efek Indonesia |

**Pembimbing II**

| No | Tanggal | Uraian | Tanda Tangan Pembimbing |
|---|---|---|---|
| 1 | 03 - 08 - 2026 | - Tata tulis<br>- Perbaiki tabel | |
| 2. | 04 - 08 - 2026 | - Perbaiki penulisan judul tabel | |
| 3. | 05 - 08 - 2026 | - Penambahan penjelasan hasil analisi | |
| 4. | 06 - 08 - 2026 | - Pembahasan hasil pendahuluan | |
| 5. | 07 - 08 - 2026 | - perbaiki Daftar Pustaka | |
| 6 | 08 - 08 - 2026 | - Perbaiki Daftar Pustaka | |
| 7. | 10 - 08 - 2026 | - Penambahan Teori pendukung hasil analisis | |
| 8 | 11. 08 - 2026 | Acc | |

Tanggal……..

Dosen Pembimbing II

Eka Merdekawati I. Seseli,SE.,MM

NUPTK. 2149769670230490