# **DAFTAR PUSTAKA**

Abdullah, Ma’ruf. (2020). Metodologi Penelitian Kuantitatif. In Agung Istiadi (Ed.), *Aswaja Pressindo* (pertama). Yogyakarta: Aswaja Pressindo.

Ahdiat, Adi. (2023). Harga Saham Starbucks Melorot di Tengah Seruan Boikot. Retrieved from Databoks

website:https://databoks.katadata.co.id/datapublish/2023/12/07/harga-saham-starbucks-melorot-di-tengah-seruan-boikot

Alchabibi, Muhammad Zifnuddin, & Mintarti, Sri. (2023). *Pengaruh Ukuran Perusahaan dan Return On Equity Terhadap Return Saham*. *8*(3), 1–16.

Alexander, & Kadafi, M. Amin. (2019). Analisis abnormal return dan trading volume activity sebelum dan sesudah stock split pada perusahaan yang terdaftar di bursa efek indonesia. *Jurnal Manajemen*, *10*(1),

https://doi.org/10.29264/jmmn.v10i1.3803

Ambarwati, Sri Dwi Ari. (2023). Pengaruh Return Saham, Volume Perdagangan Saham Dan Varian Return Saham Terhadap Bid Ask Spread Saham Pada Perusahaan Manufaktur. *Jurnal Siasat Bisnis*, *12*(1), 27–38. https://doi.org/10.20885/jsb.vol12.iss1.art3

Bhuntar, Charara, Mursalini, Wahyu Indah, & Indrawati, Netty. (2023). Pengaruh Volume Perdagangan Saham, Volatilitas Harga Saham dan Kapitalisasi Pasar Terhadap Return Saham Pada Perusahaan Perdagangan Besar Yang Terdaftar Pada Bursa Efek Indonesia (BEI) Periode 2016-2020. *Jurnal Penelitian Ekonomi Manajemen Dan Bisnis*, *2*(1).

CNBC, Indonesia. (2023). Mengenal Hamas & Fatah : Awalperseteruan & Upaya Perdamaian. Retrieved from CNBC Indonesia

website:https://www.cnbcindonesia.com/news/20231009151824-4-479099/mengenal-hamas-fatah-awal-perseteruan-upaya-perdamaian

Gaib, Indri, Pakaya, Srie Isnawaty, & Hamin, Dewi Indrayani. (2022). *Pengaruh Kinerja Keuangan Dan Ukuran Perusahaan Terhadap Return Saham Pada Perusahaan Manufaktur Sektor Barang Konsumsi Yang Terdaftar Di Bursa Efek Indonesia Periode 2017-2021 Rata-rata*. *5*(2), 593–602.

Ghozali, Imam. (2018). *Aplikasi Analisis Multivariate Dengan Program IBM SPSS 25 Edisi ke-9*. Universitas Diponegoro.

Hartanti, Annisa Regina. (2022). Dampak Covid 19 Terhadap Harga Saham Dan Volume Transaksi Saham. *Jurnal Informasi, Perpajakan, Akuntansi, Dan Keuangan Publik*, *17*(1), 79–94. https://doi.org/10.25105/jipak.v17i1.9887

Hutahuruk, Marice. (2022). Perngaruh Kinerja Keuangan terhadap Return Saham (Studi Empiris Pada Perusahaan Real Estate Dan Property Yang Terdaftar Di Bursa Efek Indonesia Periode 2015-2019). *Sains Akuntansi Dan Keuangan*, *1*(3), 153–161.

Ivana, Kezia Thalia. (2019). Pengaruh Pemecahan Saham Terhadap Abnormal Return dan Aktivitas Volume Pedagangan Saham (Studi Peristiwa Pada Perusahaan yang Terdaftar di BEI dan Malakukan Pemecahan Saham pada Periode 2015-2017). *Jurnal Ekonomi Dan Bisnis*, 1–18.

Mazid, Annisa, Listyaningsih, Erna, & Indriani, Wiewiek. (2022). Dampak Pandemi Covid-19 Terhadap Return Saham Sektor Property Dan Real Estate Yang Terdaftar Di Bursa Efek Indonesia Periode 2020. *Jurnal Manajemen Universitas Bung Hatta*, *17*(1), 43–51. https://doi.org/10.37301/jmubh.v17i1.19952

Paramita, Ratna, Rizal, Noviansyah, & Sulistyan, Riza. (2021). *Metode penelitian kuantitatif* (Ketiga; Mohammad Mursyid, Ed.). Lumajang, Jawa Timur: Widya Gama Press.

Priadana, Sidik, & Sunarsi, Denok. (2021). *Metode penelitian kuantitatif* (Pertama; Della, Ed.). Kota Tanggerang Selatan: Pascal Books.

Pujiastuti, Arum, Selamat, Universitas, & Kendal, Sri. (2023). Mengungkap Dampak Transformasi Digital. *Jurnal Ekonomika*, *11*(1), 1–13.

Raiferiana, Auranisa, Lasmahah, & Nadia. (2023). *Pengaruh Volume Perdagangan, Volatilitas Harga Saham dan Kapitalisasi Pasar terhadap Return Saham ( Studi pada Saham Index JII di Bursa Efek Indonesia Periode 2019-2023 )*. 430–438.

Sahir, Syafrida Hafni. (2022). *Metoologi Penelitian* (pertama; Try Koryati, Ed.). Bantul-Yogyakarta: Penerbit KBM Indonesia.

Saurei, Rospita, & Septiano, Renil. (2024). Pengaruh Kinerja Keuangan dan Ukuran Perusahaan Terhadap Return Saham Perusahaan Industri Barang Konsumen Bursa Efek Indonesia Tahun 2017-2021. *Jurnal Media Akademik (JMA)*, *2*(2), 2222–2242.

Setiyono, Erik. (2016). *Pengaruh Kinerja Keuangan dan Ukuran Perusahaan Terhadap Return Saham*. *5*.

Sidarta, Alphasyah Lazuardy, Lating, Ade Irma Suryani, & Syarifudin. (2020). Pengaruh Kinerja Keuangan Perusahaan Terbuka Terhadap Return Saham Pada Masa Pandemi COVID-19 (Pada Perusahaan yang Tercatat di BEI Tahun 2020). *Media Mahardika*, *19*, 25–36.

Sugiyono. (2019). *Metode Penelitian Kuantitatif* (Kedua; Setiyawami, Ed.). Bandung: Penerbit Alfabeta.

Suhendah, Rousilita, & Yonanda, Andrew. (2022). Pengaruh Covid-19 dan Volume Perdagangan Terhadap Return Saham. *Jurnal Akuntansi*, *14*(November), 218–230.

suliyanto. (2018). *Metode Penelitian bisnis untuk Skripsi, Tesis & Disertasi*. Yogyakarta: Andi Offset.

Suryani. (2019). *Modul 11 Uji Wilcoxon*. 6.

Sustrianah. (2019). Pengaruh Volume Perdagangan Saham dan Ukuran Perusahaan Terhadap Return Saham Perusahaan Yang Terdaftar Pada Indeks LQ45. *JEM: Jurnal Ekonomi Dan Manajemen STIE Pertiba Pangkalpinang*, *6*, 48–59.

Utami, Hermin Ayu, Herwiyanti, Eliada, & Suparlinah, Irianing. (2024). Pengaruh Sentimen Pasar terhadap Pergerakan Harga Saham Pada Perusahaan Industri Manufaktur Pada BEI. *Jurnal Ekonomi, Bisnis Dan Akuntansi*, *26*(1), 25–34.

Vera, Karina Vera. (2022). Pengaruh Covid-19 Terhadap Harga Saham dan Volume Transaksi Saham pada Industri. *Jurnal Riset Akuntansi & Perpajakan (JRAP)*, *9*(02), 181–193. https://doi.org/10.35838/jrap.2022.009.02.15

Widyansyah, Ashadi, Fathonah, Rizqia, Akuntansi, Studi, & Bakrie, Universitas. (2022). *Pengaruh Kinerja keuangan dan Ukuran perusahaan Terhadap Return Saham*. *12*(Idx), 2088–2106.

Wijaya, Mahendra Agung. (2022). Analisis Pengaruh Return Saham, Volume Perdagangan Saham, Dan Varian Return Saham Terhadap Bid-Ask Spread Saham Pada Perusahaan Manufaktur Yang Tergabung Dalam Indeks LQ45 Selama Periode Tahun 2010-2012. *Ma.-IBS*, (201011034), 1–20.

Wiyono, Gendro, & Ramlani, Sri. (2020). *Analisis Pengaruh Ukuran Perusahaan, Profitabilitas, Total Assets Turnover, dan Leverage Terhadap Kebijakan Dividen Sebagai Variabel Intervening*. *4*, 61–70.

Yap, Hanna Chritianto, & Firnanti, Friska. (2019). *Faktor-Faktor yang Mempengaruhi Return Saham*. *21*(1), 27–38.

Yarahim, Bunai, Ridarto, Visinamitri Ramadhani, & Andriatama, M. Fasda. (2021). Analisis Dampak Covid-19 Pada Volume Transaksi Saham dan Harga Saham (Studi Kasus Pada Industri Pertambangan Yang Terdaftar di BEI Tahun 2020). *Research In Accounting Journal*, *1*(2), 458–465.

**LAMPIRAN**

**Lampiran 1 Data laporan keuangan perusahaan MAPI**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Date | Price | Open | High | Low | Vol, |
| 08/01/2023 | 2,03 | 1,99 | 2,03 | 1,96 | 27,32 |
| 09/01/2023 | 1,975 | 1,94 | 1,985 | 1,94 | 9,81 |
| 11/01/2023 | 1,605 | 1,725 | 1,725 | 1,58 | 56,94 |
| 12/01/2023 | 1,74 | 1,72 | 1,745 | 1,7 | 25,3 |
| 08/02/2023 | 1,98 | 2,03 | 2,03 | 1,97 | 6,31 |
| 10/02/2023 | 1,87 | 1,82 | 1,885 | 1,82 | 14,81 |
| 11/02/2023 | 1,71 | 1,65 | 1,745 | 1,605 | 56,73 |
| 08/03/2023 | 1,93 | 2,01 | 2,01 | 1,925 | 15,4 |
| 10/03/2023 | 1,95 | 1,875 | 1,95 | 1,875 | 22,9 |
| 11/03/2023 | 1,67 | 1,71 | 1,72 | 1,64 | 31,48 |
| 08/04/2023 | 1,945 | 1,935 | 1,975 | 1,925 | 19,54 |
| 09/04/2023 | 1,98 | 1,975 | 1,985 | 1,95 | 2,83 |
| 10/04/2023 | 1,93 | 1,95 | 1,95 | 1,9 | 18,35 |
| 12/04/2023 | 1,67 | 1,73 | 1,735 | 1,64 | 41,27 |
| 09/05/2023 | 1,96 | 1,99 | 1,995 | 1,95 | 5,09 |
| 10/05/2023 | 1,915 | 1,93 | 1,95 | 1,91 | 10,27 |
| 12/05/2023 | 1,67 | 1,655 | 1,68 | 1,625 | 30,09 |
| 09/06/2023 | 1,9 | 1,955 | 1,955 | 1,865 | 30,26 |
| 10/06/2023 | 1,99 | 1,92 | 1,995 | 1,92 | 17,64 |
| 11/06/2023 | 1,685 | 1,7 | 1,705 | 1,615 | 40,08 |
| 12/06/2023 | 1,64 | 1,67 | 1,69 | 1,635 | 7,89 |
| 08/07/2023 | 1,935 | 1,95 | 1,97 | 1,93 | 10,59 |
| 09/07/2023 | 1,84 | 1,9 | 1,905 | 1,815 | 34,62 |
| 11/07/2023 | 1,6 | 1,685 | 1,685 | 1,56 | 50,37 |
| 12/07/2023 | 1,64 | 1,64 | 1,65 | 1,605 | 31,73 |
| 08/08/2023 | 1,935 | 1,935 | 1,955 | 1,92 | 9,02 |
| 09/08/2023 | 1,84 | 1,815 | 1,87 | 1,79 | 31,59 |
| 11/08/2023 | 1,655 | 1,6 | 1,67 | 1,58 | 43,07 |
| 12/08/2023 | 1,66 | 1,645 | 1,68 | 1,635 | 14,66 |
| 08/09/2023 | 1,945 | 1,945 | 1,97 | 1,93 | 10,54 |
| 10/09/2023 | 1,96 | 1,995 | 1,995 | 1,935 | 14,42 |
| 11/09/2023 | 1,665 | 1,655 | 1,67 | 1,61 | 24,53 |
| 08/10/2023 | 1,97 | 1,945 | 1,99 | 1,93 | 17,8 |
| 10/10/2023 | 1,99 | 1,97 | 2 | 1,945 | 11,1 |
| 11/10/2023 | 1,685 | 1,65 | 1,71 | 1,645 | 12,64 |
| 08/11/2023 | 2,03 | 1,97 | 2,03 | 1,97 | 17,56 |
| 09/11/2023 | 1,885 | 1,85 | 1,9 | 1,83 | 24,73 |
| 10/11/2023 | 1,98 | 1,995 | 2,02 | 1,97 | 32,16 |
| 12/11/2023 | 1,63 | 1,65 | 1,65 | 1,595 | 25,44 |
| 09/12/2023 | 1,85 | 1,895 | 1,9 | 1,82 | 20,33 |
| 10/12/2023 | 1,975 | 1,99 | 1,99 | 1,93 | 13,14 |
| 12/12/2023 | 1,615 | 1,63 | 1,63 | 1,56 | 67,15 |
| 08/14/2023 | 2,02 | 2,03 | 2,07 | 2 | 24,32 |
| 08/15/2023 | 1,995 | 2,02 | 2,02 | 1,985 | 12,19 |
| 08/16/2023 | 1,94 | 1,995 | 1,995 | 1,925 | 26,64 |
| 08/18/2023 | 1,91 | 1,945 | 1,975 | 1,875 | 27,69 |
| 08/21/2023 | 1,885 | 1,91 | 1,91 | 1,86 | 16,82 |
| 08/22/2023 | 1,97 | 1,895 | 1,975 | 1,895 | 17,02 |
| 08/23/2023 | 1,995 | 1,97 | 1,995 | 1,935 | 16,93 |
| 08/24/2023 | 1,955 | 1,995 | 2,04 | 1,955 | 21,96 |
| 08/25/2023 | 1,97 | 1,965 | 1,995 | 1,92 | 11,38 |
| 08/28/2023 | 2,01 | 1,975 | 2,02 | 1,945 | 12,27 |
| 08/29/2023 | 1,96 | 2,01 | 2,02 | 1,955 | 7,49 |
| 08/30/2023 | 1,96 | 1,965 | 1,985 | 1,95 | 7,66 |
| 08/31/2023 | 1,935 | 1,965 | 1,975 | 1,935 | 16,85 |
| 09/13/2023 | 1,845 | 1,85 | 1,87 | 1,83 | 26,61 |
| 09/14/2023 | 1,825 | 1,845 | 1,86 | 1,815 | 20,18 |
| 09/15/2023 | 1,82 | 1,835 | 1,84 | 1,8 | 23,4 |
| 09/18/2023 | 1,795 | 1,82 | 1,82 | 1,775 | 30,79 |
| 09/19/2023 | 1,8 | 1,795 | 1,835 | 1,79 | 15,14 |
| 09/20/2023 | 1,825 | 1,8 | 1,845 | 1,79 | 23,73 |
| 09/21/2023 | 1,895 | 1,825 | 1,93 | 1,805 | 35,36 |
| 09/22/2023 | 1,875 | 1,91 | 1,915 | 1,845 | 15,36 |
| 09/25/2023 | 1,815 | 1,875 | 1,88 | 1,815 | 15,91 |
| 09/26/2023 | 1,85 | 1,82 | 1,865 | 1,82 | 20,8 |
| 09/27/2023 | 1,775 | 1,87 | 1,88 | 1,745 | 29,65 |
| 09/29/2023 | 1,82 | 1,78 | 1,85 | 1,78 | 35,96 |
| 10/13/2023 | 1,965 | 1,975 | 1,99 | 1,95 | 5,3 |
| 10/16/2023 | 1,89 | 1,95 | 1,96 | 1,88 | 11,37 |
| 10/17/2023 | 1,855 | 1,89 | 1,915 | 1,855 | 14,7 |
| 10/18/2023 | 1,895 | 1,865 | 1,895 | 1,81 | 27,85 |
| 10/19/2023 | 1,855 | 1,88 | 1,88 | 1,795 | 29,44 |
| 10/20/2023 | 1,905 | 1,855 | 1,915 | 1,835 | 14,87 |
| 10/23/2023 | 1,92 | 1,915 | 1,93 | 1,875 | 18,96 |
| 10/24/2023 | 1,95 | 1,92 | 1,965 | 1,88 | 13,55 |
| 10/25/2023 | 1,955 | 1,95 | 1,97 | 1,935 | 12,16 |
| 10/26/2023 | 1,85 | 1,95 | 1,95 | 1,83 | 27,08 |
| 10/27/2023 | 1,825 | 1,855 | 1,865 | 1,78 | 26,15 |
| 10/30/2023 | 1,755 | 1,82 | 1,82 | 1,75 | 11,52 |
| 10/31/2023 | 1,735 | 1,755 | 1,755 | 1,66 | 64,27 |
| 11/13/2023 | 1,61 | 1,685 | 1,685 | 1,6 | 24,38 |
| 11/14/2023 | 1,59 | 1,6 | 1,645 | 1,55 | 79,82 |
| 11/15/2023 | 1,685 | 1,615 | 1,71 | 1,605 | 35,8 |
| 11/16/2023 | 1,64 | 1,695 | 1,695 | 1,635 | 12,14 |
| 11/17/2023 | 1,66 | 1,64 | 1,665 | 1,615 | 19,63 |
| 11/20/2023 | 1,65 | 1,66 | 1,675 | 1,63 | 7,8 |
| 11/21/2023 | 1,645 | 1,65 | 1,665 | 1,635 | 11,46 |
| 11/22/2023 | 1,675 | 1,655 | 1,68 | 1,62 | 10,01 |
| 11/23/2023 | 1,745 | 1,675 | 1,76 | 1,665 | 29,73 |
| 11/24/2023 | 1,785 | 1,74 | 1,8 | 1,74 | 40,4 |
| 11/27/2023 | 1,78 | 1,8 | 1,815 | 1,765 | 44,67 |
| 11/28/2023 | 1,735 | 1,78 | 1,795 | 1,72 | 38,29 |
| 11/29/2023 | 1,73 | 1,735 | 1,74 | 1,71 | 23,62 |
| 11/30/2023 | 1,745 | 1,74 | 1,765 | 1,695 | 43,41 |
| 12/13/2023 | 1,62 | 1,625 | 1,655 | 1,6 | 31,93 |
| 12/14/2023 | 1,72 | 1,645 | 1,725 | 1,64 | 19,11 |
| 12/15/2023 | 1,675 | 1,71 | 1,72 | 1,655 | 36,77 |
| 12/18/2023 | 1,675 | 1,68 | 1,685 | 1,645 | 23,23 |
| 12/19/2023 | 1,7 | 1,675 | 1,71 | 1,665 | 10,96 |
| 12/20/2023 | 1,715 | 1,72 | 1,74 | 1,695 | 12,15 |
| 12/21/2023 | 1,715 | 1,715 | 1,72 | 1,69 | 6,29 |
| 12/22/2023 | 1,765 | 1,72 | 1,785 | 1,72 | 15,21 |
| 12/27/2023 | 1,75 | 1,765 | 1,78 | 1,74 | 13,39 |
| 12/28/2023 | 1,765 | 1,75 | 1,775 | 1,745 | 3,72 |
| 12/29/2023 | 1,79 | 1,765 | 1,83 | 1,765 | 21,94 |
| 01/02/2024 | 1,895 | 1,8 | 1,985 | 1,8 | 34,53 |
| 01/03/2024 | 1,9 | 1,905 | 1,955 | 1,88 | 15,82 |
| 01/04/2024 | 1,885 | 1,91 | 1,93 | 1,865 | 21,97 |
| 01/05/2024 | 1,795 | 1,885 | 1,895 | 1,785 | 36,93 |
| 01/08/2024 | 1,775 | 1,8 | 1,81 | 1,775 | 17 |
| 01/09/2024 | 1,855 | 1,78 | 1,895 | 1,78 | 18,56 |
| 01/10/2024 | 1,855 | 1,855 | 1,925 | 1,845 | 29,26 |
| 01/11/2024 | 1,845 | 1,86 | 1,87 | 1,83 | 12,9 |
| 01/12/2024 | 1,82 | 1,845 | 1,855 | 1,815 | 15,73 |
| 02/12/2024 | 1,965 | 1,98 | 1,99 | 1,955 | 14,91 |
| 01/15/2024 | 1,905 | 1,83 | 1,92 | 1,825 | 22 |
| 01/16/2024 | 1,94 | 1,92 | 1,995 | 1,92 | 70,83 |
| 01/17/2024 | 1,9 | 1,94 | 1,965 | 1,885 | 42,35 |
| 01/18/2024 | 1,92 | 1,9 | 1,945 | 1,89 | 7,71 |
| 01/19/2024 | 1,945 | 1,92 | 1,96 | 1,905 | 20,69 |
| 01/22/2024 | 1,97 | 1,95 | 2,03 | 1,93 | 25,69 |
| 01/23/2024 | 1,995 | 1,975 | 2,03 | 1,96 | 38,67 |
| 01/24/2024 | 1,995 | 2 | 2,01 | 1,985 | 26,07 |
| 01/25/2024 | 1,935 | 1,99 | 1,99 | 1,925 | 31,78 |
| 01/26/2024 | 1,875 | 1,91 | 1,915 | 1,855 | 23,25 |
| 01/29/2024 | 1,9 | 1,875 | 1,915 | 1,875 | 26,62 |
| 01/30/2024 | 1,97 | 1,91 | 2,03 | 1,91 | 33,7 |
| 01/31/2024 | 1,955 | 1,99 | 2 | 1,955 | 18,29 |
| 02/01/2024 | 1,96 | 1,96 | 1,98 | 1,93 | 5,62 |
| 02/02/2024 | 1,975 | 1,965 | 1,995 | 1,965 | 16,2 |
| 02/05/2024 | 1,93 | 1,985 | 1,995 | 1,91 | 22,47 |
| 02/06/2024 | 1,955 | 1,93 | 1,96 | 1,925 | 26,01 |
| 02/07/2024 | 1,975 | 1,96 | 2,01 | 1,955 | 18,42 |
| 02/13/2024 | 1,97 | 1,965 | 1,97 | 1,93 | 22,44 |
| 02/15/2024 | 2 | 1,98 | 2,05 | 1,97 | 43,35 |
| 02/16/2024 | 1,935 | 2 | 2 | 1,93 | 19,9 |

**Lampiran 2 Data laporan keuangan perusahaan MTDL**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Date | Price | Open | High | Low | Vol, |
| 08/01/2023 | 525 | 515 | 525 | 510 | 4,98 |
| 09/01/2023 | 525 | 525 | 525 | 520 | 708,8 |
| 11/01/2023 | 505 | 505 | 505 | 492 | 26,46 |
| 12/01/2023 | 525 | 520 | 535 | 515 | 6,06 |
| 08/02/2023 | 510 | 525 | 525 | 510 | 7,84 |
| 10/02/2023 | 494 | 496 | 500 | 492 | 12,79 |
| 11/02/2023 | 505 | 510 | 510 | 500 | 1,21 |
| 08/03/2023 | 510 | 510 | 515 | 505 | 2,89 |
| 10/03/2023 | 496 | 494 | 500 | 490 | 13,63 |
| 11/03/2023 | 520 | 505 | 520 | 505 | 4,59 |
| 08/04/2023 | 515 | 510 | 520 | 510 | 2,78 |
| 09/04/2023 | 525 | 525 | 530 | 520 | 1,57 |
| 10/04/2023 | 490 | 498 | 500 | 488 | 13,76 |
| 12/04/2023 | 520 | 525 | 525 | 505 | 7,43 |
| 09/05/2023 | 515 | 525 | 525 | 510 | 3,78 |
| 10/05/2023 | 490 | 490 | 492 | 486 | 3,62 |
| 12/05/2023 | 510 | 520 | 520 | 505 | 3,01 |
| 09/06/2023 | 520 | 515 | 520 | 515 | 368,7 |
| 10/06/2023 | 490 | 490 | 492 | 486 | 1,57 |
| 11/06/2023 | 530 | 520 | 530 | 515 | 6,8 |
| 12/06/2023 | 520 | 515 | 520 | 515 | 1,57 |
| 08/07/2023 | 515 | 520 | 525 | 515 | 998,4 |
| 09/07/2023 | 520 | 520 | 520 | 515 | 1,23 |
| 11/07/2023 | 545 | 530 | 555 | 525 | 10,49 |
| 12/07/2023 | 510 | 520 | 520 | 496 | 4,23 |
| 08/08/2023 | 515 | 520 | 525 | 515 | 2,42 |
| 09/08/2023 | 515 | 520 | 520 | 510 | 1,56 |
| 11/08/2023 | 555 | 545 | 575 | 545 | 28,81 |
| 12/08/2023 | 505 | 515 | 515 | 500 | 2,84 |
| 08/09/2023 | 530 | 515 | 530 | 515 | 2,99 |
| 10/09/2023 | 490 | 488 | 492 | 480 | 2,32 |
| 11/09/2023 | 560 | 555 | 565 | 545 | 15,92 |
| 08/10/2023 | 525 | 530 | 530 | 520 | 5,88 |
| 10/10/2023 | 505 | 490 | 505 | 488 | 30,53 |
| 11/10/2023 | 530 | 560 | 565 | 530 | 4,66 |
| 08/11/2023 | 520 | 525 | 525 | 520 | 1,29 |
| 09/11/2023 | 510 | 515 | 520 | 505 | 3,35 |
| 10/11/2023 | 500 | 505 | 515 | 498 | 25,93 |
| 12/11/2023 | 505 | 520 | 520 | 498 | 3,33 |
| 09/12/2023 | 510 | 510 | 515 | 505 | 1,81 |
| 10/12/2023 | 492 | 500 | 505 | 492 | 14,78 |
| 12/12/2023 | 498 | 505 | 505 | 496 | 3,29 |
| 08/14/2023 | 525 | 520 | 530 | 515 | 12,28 |
| 08/15/2023 | 530 | 525 | 530 | 520 | 1,88 |
| 08/16/2023 | 525 | 530 | 535 | 520 | 12,28 |
| 08/18/2023 | 525 | 525 | 530 | 520 | 1,28 |
| 08/21/2023 | 515 | 520 | 525 | 515 | 1,69 |
| 08/22/2023 | 515 | 515 | 520 | 505 | 2,6 |
| 08/23/2023 | 510 | 510 | 515 | 505 | 5,13 |
| 08/24/2023 | 515 | 510 | 520 | 510 | 1,18 |
| 08/25/2023 | 520 | 515 | 525 | 510 | 1,68 |
| 08/28/2023 | 520 | 520 | 530 | 520 | 3,36 |
| 08/29/2023 | 525 | 525 | 530 | 520 | 998 |
| 08/30/2023 | 525 | 520 | 525 | 515 | 1,38 |
| 08/31/2023 | 525 | 520 | 525 | 515 | 2,18 |
| 09/13/2023 | 505 | 510 | 510 | 500 | 8,68 |
| 09/14/2023 | 510 | 505 | 520 | 500 | 17,01 |
| 09/15/2023 | 510 | 510 | 515 | 510 | 12,7 |
| 09/18/2023 | 510 | 515 | 515 | 510 | 14,34 |
| 09/19/2023 | 500 | 510 | 515 | 500 | 12,6 |
| 09/20/2023 | 505 | 505 | 515 | 500 | 15,59 |
| 09/21/2023 | 500 | 510 | 510 | 500 | 13,1 |
| 09/22/2023 | 498 | 500 | 505 | 494 | 14,73 |
| 09/25/2023 | 500 | 498 | 500 | 490 | 15,21 |
| 09/26/2023 | 498 | 500 | 500 | 494 | 14,1 |
| 09/27/2023 | 490 | 496 | 500 | 490 | 14,27 |
| 09/29/2023 | 496 | 492 | 498 | 488 | 4,27 |
| 10/13/2023 | 496 | 494 | 500 | 492 | 12,19 |
| 10/16/2023 | 492 | 496 | 498 | 492 | 13,05 |
| 10/17/2023 | 484 | 494 | 500 | 482 | 16,63 |
| 10/18/2023 | 484 | 484 | 488 | 474 | 6,67 |
| 10/19/2023 | 474 | 482 | 486 | 472 | 5,8 |
| 10/20/2023 | 474 | 474 | 474 | 450 | 7,19 |
| 10/23/2023 | 474 | 472 | 476 | 460 | 2,36 |
| 10/24/2023 | 486 | 474 | 488 | 472 | 3,74 |
| 10/25/2023 | 486 | 488 | 496 | 486 | 4,48 |
| 10/26/2023 | 492 | 488 | 494 | 484 | 5,84 |
| 10/27/2023 | 494 | 490 | 494 | 486 | 32,1 |
| 10/30/2023 | 494 | 490 | 496 | 490 | 21,36 |
| 10/31/2023 | 505 | 494 | 510 | 492 | 28,95 |
| 11/13/2023 | 545 | 530 | 545 | 515 | 3,94 |
| 11/14/2023 | 535 | 545 | 550 | 525 | 3,48 |
| 11/15/2023 | 545 | 540 | 545 | 535 | 4,22 |
| 11/16/2023 | 545 | 545 | 545 | 535 | 1,44 |
| 11/17/2023 | 535 | 540 | 545 | 525 | 3,96 |
| 11/20/2023 | 535 | 535 | 540 | 525 | 1,38 |
| 11/21/2023 | 530 | 535 | 540 | 530 | 8,3 |
| 11/22/2023 | 525 | 535 | 535 | 515 | 3,17 |
| 11/23/2023 | 530 | 530 | 530 | 520 | 1,31 |
| 11/24/2023 | 525 | 525 | 530 | 520 | 2,72 |
| 11/27/2023 | 525 | 525 | 530 | 520 | 3,98 |
| 11/28/2023 | 520 | 525 | 530 | 515 | 3,48 |
| 11/29/2023 | 520 | 520 | 525 | 515 | 1,08 |
| 11/30/2023 | 520 | 520 | 525 | 515 | 1,6 |
| 12/13/2023 | 492 | 505 | 510 | 490 | 3,94 |
| 12/14/2023 | 505 | 494 | 505 | 490 | 1,54 |
| 12/15/2023 | 515 | 505 | 515 | 500 | 1,42 |
| 12/18/2023 | 505 | 515 | 515 | 500 | 1,8 |
| 12/19/2023 | 505 | 510 | 510 | 490 | 2,54 |
| 12/20/2023 | 510 | 500 | 510 | 494 | 8,71 |
| 12/21/2023 | 510 | 510 | 520 | 505 | 8,04 |
| 12/22/2023 | 510 | 515 | 520 | 510 | 4,82 |
| 12/27/2023 | 510 | 510 | 515 | 505 | 1,09 |
| 12/28/2023 | 525 | 510 | 525 | 510 | 6,52 |
| 12/29/2023 | 535 | 525 | 540 | 525 | 12,72 |
| 01/02/2024 | 525 | 535 | 535 | 515 | 965,2 |
| 01/03/2024 | 510 | 525 | 525 | 510 | 1,17 |
| 01/04/2024 | 515 | 515 | 525 | 505 | 2,4 |
| 01/05/2024 | 535 | 520 | 535 | 515 | 2,31 |
| 01/08/2024 | 525 | 535 | 540 | 515 | 1,21 |
| 01/09/2024 | 525 | 525 | 530 | 515 | 671,9 |
| 01/10/2024 | 525 | 525 | 525 | 520 | 907,4 |
| 01/11/2024 | 525 | 525 | 535 | 510 | 3,14 |
| 01/12/2024 | 525 | 520 | 530 | 520 | 3,01 |
| 01/15/2024 | 525 | 525 | 525 | 520 | 3,37 |
| 01/16/2024 | 525 | 525 | 530 | 515 | 5,62 |
| 01/17/2024 | 530 | 525 | 535 | 520 | 4,49 |
| 01/18/2024 | 530 | 530 | 530 | 525 | 2,2 |
| 01/19/2024 | 530 | 530 | 535 | 525 | 2,56 |
| 01/22/2024 | 525 | 530 | 535 | 520 | 3,44 |
| 01/23/2024 | 520 | 525 | 535 | 515 | 5,46 |
| 01/24/2024 | 515 | 520 | 525 | 510 | 4,54 |
| 01/25/2024 | 515 | 515 | 530 | 515 | 2,28 |
| 01/26/2024 | 515 | 520 | 520 | 510 | 1,97 |
| 01/29/2024 | 520 | 515 | 525 | 515 | 2,47 |
| 01/30/2024 | 530 | 525 | 530 | 515 | 9,85 |
| 01/31/2024 | 520 | 525 | 530 | 520 | 1,57 |
| 02/01/2024 | 535 | 520 | 535 | 520 | 2,73 |
| 02/02/2024 | 540 | 530 | 545 | 530 | 14,22 |
| 02/05/2024 | 545 | 540 | 550 | 535 | 6,54 |
| 02/06/2024 | 525 | 545 | 545 | 525 | 2,6 |
| 02/07/2024 | 530 | 525 | 535 | 520 | 1,58 |
| 02/12/2024 | 545 | 535 | 550 | 530 | 5,09 |
| 02/13/2024 | 540 | 545 | 545 | 535 | 1,89 |
| 02/15/2024 | 540 | 540 | 545 | 535 | 2,1 |
| 02/16/2024 | 535 | 540 | 545 | 530 | 3,56 |

**Lampiran 3 Data laporan keuangan perusahaan PZZA**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Date | Price | Open | High | Low | Vol, |
| 08/01/2023 | 412 | 430 | 430 | 408 | 1,37 |
| 09/01/2023 | 440 | 448 | 448 | 440 | 378,9 |
| 11/01/2023 | 406 | 406 | 406 | 402 | 62,8 |
| 12/01/2023 | 400 | 400 | 402 | 396 | 102,1 |
| 08/02/2023 | 410 | 414 | 414 | 410 | 232,3 |
| 10/02/2023 | 424 | 428 | 450 | 420 | 925,6 |
| 11/02/2023 | 410 | 412 | 414 | 410 | 8,8 |
| 08/03/2023 | 416 | 410 | 418 | 406 | 44,1 |
| 10/03/2023 | 424 | 424 | 426 | 420 | 224,4 |
| 11/03/2023 | 412 | 410 | 412 | 406 | 27,2 |
| 08/04/2023 | 414 | 418 | 424 | 412 | 258,6 |
| 09/04/2023 | 446 | 440 | 450 | 440 | 17,4 |
| 10/04/2023 | 418 | 424 | 426 | 418 | 211,5 |
| 12/04/2023 | 398 | 400 | 404 | 394 | 85,4 |
| 09/05/2023 | 444 | 444 | 450 | 438 | 301,8 |
| 10/05/2023 | 420 | 426 | 426 | 418 | 60,7 |
| 12/05/2023 | 386 | 398 | 398 | 386 | 516,3 |
| 09/06/2023 | 442 | 444 | 446 | 438 | 358,9 |
| 10/06/2023 | 424 | 426 | 426 | 420 | 10 |
| 11/06/2023 | 416 | 412 | 418 | 408 | 87,1 |
| 12/06/2023 | 368 | 390 | 398 | 368 | 2,7 |
| 08/07/2023 | 418 | 412 | 422 | 412 | 170,4 |
| 09/07/2023 | 438 | 442 | 444 | 438 | 96 |
| 11/07/2023 | 416 | 416 | 416 | 412 | 16,9 |
| 12/07/2023 | 370 | 368 | 376 | 368 | 966 |
| 08/08/2023 | 416 | 418 | 422 | 416 | 452,8 |
| 09/08/2023 | 428 | 438 | 438 | 424 | 277,1 |
| 11/08/2023 | 410 | 414 | 414 | 406 | 50,7 |
| 12/08/2023 | 370 | 370 | 376 | 368 | 1,23 |
| 08/09/2023 | 418 | 418 | 420 | 418 | 37,3 |
| 10/09/2023 | 416 | 424 | 424 | 414 | 230,4 |
| 11/09/2023 | 412 | 410 | 418 | 410 | 83 |
| 08/10/2023 | 418 | 418 | 422 | 418 | 216,8 |
| 10/10/2023 | 418 | 424 | 424 | 416 | 28 |
| 11/10/2023 | 410 | 412 | 414 | 410 | 13,1 |
| 08/11/2023 | 426 | 418 | 428 | 418 | 85,8 |
| 09/11/2023 | 424 | 428 | 428 | 424 | 396,9 |
| 10/11/2023 | 420 | 424 | 426 | 418 | 54,3 |
| 12/11/2023 | 368 | 370 | 376 | 366 | 619,8 |
| 09/12/2023 | 420 | 424 | 430 | 420 | 350,7 |
| 10/12/2023 | 422 | 426 | 426 | 420 | 29,1 |
| 12/12/2023 | 368 | 370 | 370 | 366 | 129 |
| 08/14/2023 | 426 | 426 | 430 | 420 | 211,1 |
| 08/15/2023 | 432 | 426 | 432 | 424 | 129,9 |
| 08/16/2023 | 426 | 432 | 432 | 422 | 32,8 |
| 08/18/2023 | 422 | 426 | 426 | 422 | 202,2 |
| 08/21/2023 | 418 | 424 | 424 | 416 | 160,9 |
| 08/22/2023 | 414 | 418 | 420 | 412 | 101,4 |
| 08/23/2023 | 416 | 414 | 426 | 412 | 30 |
| 08/24/2023 | 428 | 418 | 430 | 418 | 24,1 |
| 08/25/2023 | 430 | 428 | 430 | 420 | 277,9 |
| 08/28/2023 | 456 | 430 | 458 | 430 | 1,03 |
| 08/29/2023 | 446 | 454 | 456 | 442 | 282,7 |
| 08/30/2023 | 448 | 446 | 450 | 440 | 296,7 |
| 08/31/2023 | 444 | 448 | 448 | 440 | 223,7 |
| 09/13/2023 | 422 | 420 | 430 | 420 | 61,7 |
| 09/14/2023 | 422 | 426 | 426 | 420 | 103 |
| 09/15/2023 | 418 | 422 | 428 | 418 | 353,1 |
| 09/18/2023 | 420 | 420 | 426 | 418 | 229,7 |
| 09/19/2023 | 426 | 422 | 428 | 420 | 108,4 |
| 09/20/2023 | 420 | 426 | 428 | 420 | 40,4 |
| 09/21/2023 | 422 | 428 | 430 | 418 | 175,1 |
| 09/22/2023 | 428 | 426 | 430 | 420 | 48,4 |
| 09/25/2023 | 426 | 428 | 428 | 420 | 177,5 |
| 09/26/2023 | 420 | 426 | 430 | 420 | 247,7 |
| 09/27/2023 | 422 | 420 | 428 | 420 | 50,7 |
| 09/29/2023 | 428 | 424 | 428 | 422 | 47,7 |
| 10/13/2023 | 416 | 422 | 424 | 416 | 35,4 |
| 10/16/2023 | 420 | 418 | 422 | 414 | 28,1 |
| 10/17/2023 | 420 | 416 | 420 | 412 | 63 |
| 10/18/2023 | 422 | 420 | 422 | 418 | 86,2 |
| 10/19/2023 | 420 | 420 | 420 | 420 | 26,9 |
| 10/20/2023 | 414 | 420 | 422 | 410 | 498,6 |
| 10/23/2023 | 414 | 416 | 418 | 414 | 25 |
| 10/24/2023 | 416 | 416 | 420 | 416 | 11,5 |
| 10/25/2023 | 422 | 418 | 422 | 416 | 35,2 |
| 10/26/2023 | 422 | 418 | 426 | 416 | 86 |
| 10/27/2023 | 420 | 420 | 422 | 416 | 309,4 |
| 10/30/2023 | 412 | 420 | 444 | 408 | 378,2 |
| 10/31/2023 | 406 | 414 | 414 | 404 | 184 |
| 11/13/2023 | 410 | 408 | 410 | 406 | 46,5 |
| 11/14/2023 | 410 | 406 | 410 | 406 | 39 |
| 11/15/2023 | 410 | 406 | 410 | 406 | 81,4 |
| 11/16/2023 | 408 | 410 | 410 | 408 | 27,8 |
| 11/17/2023 | 408 | 408 | 408 | 406 | 225 |
| 11/20/2023 | 406 | 410 | 410 | 404 | 61 |
| 11/21/2023 | 410 | 410 | 412 | 410 | 1,6 |
| 11/22/2023 | 414 | 412 | 414 | 412 | 11,3 |
| 11/23/2023 | 410 | 416 | 416 | 408 | 5,7 |
| 11/24/2023 | 410 | 408 | 410 | 408 | 5,4 |
| 11/27/2023 | 412 | 414 | 414 | 412 | 1,4 |
| 11/28/2023 | 410 | 414 | 414 | 402 | 162,1 |
| 11/29/2023 | 400 | 410 | 412 | 400 | 228,9 |
| 11/30/2023 | 404 | 408 | 408 | 398 | 80,5 |
| 12/13/2023 | 370 | 370 | 372 | 370 | 27,5 |
| 12/14/2023 | 370 | 370 | 380 | 370 | 188,9 |
| 12/15/2023 | 370 | 370 | 370 | 368 | 419,4 |
| 12/18/2023 | 372 | 370 | 380 | 370 | 424,9 |
| 12/19/2023 | 372 | 370 | 372 | 368 | 336,1 |
| 12/20/2023 | 370 | 372 | 376 | 368 | 131,1 |
| 12/21/2023 | 374 | 370 | 376 | 370 | 2,1 |
| 12/22/2023 | 368 | 376 | 376 | 368 | 130,5 |
| 12/27/2023 | 370 | 368 | 372 | 364 | 35,3 |
| 12/28/2023 | 370 | 370 | 376 | 370 | 53,7 |
| 12/29/2023 | 370 | 378 | 378 | 368 | 62,8 |
| 01/02/2024 | 368 | 370 | 374 | 368 | 42 |
| 01/03/2024 | 372 | 368 | 372 | 368 | 14,6 |
| 01/04/2024 | 374 | 372 | 374 | 370 | 52,3 |
| 01/05/2024 | 374 | 376 | 376 | 374 | 5,5 |
| 01/08/2024 | 372 | 374 | 376 | 372 | 254,3 |
| 01/09/2024 | 364 | 374 | 374 | 362 | 123 |
| 01/10/2024 | 368 | 368 | 368 | 366 | 13,6 |
| 01/11/2024 | 372 | 368 | 372 | 368 | 46,8 |
| 01/12/2024 | 368 | 372 | 372 | 368 | 33,8 |
| 01/15/2024 | 372 | 368 | 372 | 366 | 71,7 |
| 01/16/2024 | 372 | 372 | 390 | 372 | 146,2 |
| 01/17/2024 | 380 | 390 | 390 | 372 | 157,5 |
| 01/18/2024 | 370 | 378 | 384 | 362 | 445,5 |
| 01/19/2024 | 370 | 374 | 374 | 370 | 22,3 |
| 01/22/2024 | 368 | 368 | 370 | 368 | 44,1 |
| 01/23/2024 | 362 | 366 | 368 | 360 | 151,8 |
| 01/24/2024 | 352 | 362 | 362 | 340 | 526,4 |
| 01/25/2024 | 350 | 352 | 356 | 350 | 121,8 |
| 01/26/2024 | 348 | 352 | 352 | 348 | 80,4 |
| 01/29/2024 | 348 | 348 | 350 | 348 | 68,6 |
| 01/30/2024 | 350 | 352 | 352 | 342 | 119,6 |
| 01/31/2024 | 340 | 350 | 350 | 336 | 1,08 |
| 02/01/2024 | 342 | 340 | 344 | 340 | 101,7 |
| 02/02/2024 | 342 | 342 | 342 | 342 | 222,4 |
| 02/05/2024 | 342 | 342 | 342 | 342 | 11,7 |
| 02/06/2024 | 352 | 350 | 352 | 340 | 1 |
| 02/07/2024 | 344 | 350 | 350 | 340 | 85,5 |
| 02/12/2024 | 342 | 344 | 348 | 336 | 36,6 |
| 02/13/2024 | 344 | 344 | 344 | 344 | 79,9 |
| 02/15/2024 | 340 | 344 | 360 | 340 | 700,9 |
| 02/16/2024 | 340 | 342 | 342 | 340 | 3,2 |

**Lampiran 4 Data laporan keuangan perusahaan KLBF**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Date | Price | Open | High | Low | Vol, |
| 08/01/2023 | 1,805 | 1,9 | 1,91 | 1,795 | 125,53 |
| 09/01/2023 | 1,775 | 1,82 | 1,82 | 1,76 | 25,9 |
| 11/01/2023 | 1,605 | 1,67 | 1,67 | 1,55 | 90,23 |
| 12/01/2023 | 1,665 | 1,61 | 1,695 | 1,605 | 37,09 |
| 08/02/2023 | 1,795 | 1,805 | 1,81 | 1,77 | 91,49 |
| 10/02/2023 | 1,785 | 1,75 | 1,795 | 1,75 | 23,83 |
| 11/02/2023 | 1,595 | 1,605 | 1,69 | 1,58 | 61,59 |
| 08/03/2023 | 1,885 | 1,82 | 1,895 | 1,81 | 40,14 |
| 10/03/2023 | 1,795 | 1,785 | 1,8 | 1,76 | 17,68 |
| 11/03/2023 | 1,59 | 1,595 | 1,62 | 1,57 | 32,63 |
| 08/04/2023 | 1,875 | 1,885 | 1,895 | 1,86 | 17,97 |
| 09/04/2023 | 1,785 | 1,775 | 1,82 | 1,74 | 33,78 |
| 10/04/2023 | 1,765 | 1,77 | 1,785 | 1,74 | 28,84 |
| 12/04/2023 | 1,64 | 1,665 | 1,67 | 1,635 | 16,29 |
| 09/05/2023 | 1,77 | 1,785 | 1,785 | 1,755 | 26,05 |
| 10/05/2023 | 1,835 | 1,78 | 1,86 | 1,77 | 32,08 |
| 12/05/2023 | 1,66 | 1,645 | 1,68 | 1,62 | 21,34 |
| 09/06/2023 | 1,74 | 1,76 | 1,765 | 1,735 | 29,73 |
| 10/06/2023 | 1,835 | 1,84 | 1,86 | 1,835 | 23,32 |
| 11/06/2023 | 1,615 | 1,595 | 1,635 | 1,59 | 22,5 |
| 12/06/2023 | 1,7 | 1,68 | 1,735 | 1,675 | 34,55 |
| 08/07/2023 | 1,85 | 1,905 | 1,905 | 1,85 | 38,13 |
| 09/07/2023 | 1,705 | 1,735 | 1,74 | 1,67 | 59,12 |
| 11/07/2023 | 1,605 | 1,61 | 1,625 | 1,595 | 28,24 |
| 12/07/2023 | 1,67 | 1,7 | 1,725 | 1,65 | 28,22 |
| 08/08/2023 | 1,855 | 1,845 | 1,875 | 1,845 | 27,24 |
| 09/08/2023 | 1,72 | 1,7 | 1,72 | 1,66 | 55,67 |
| 11/08/2023 | 1,615 | 1,61 | 1,615 | 1,585 | 21,36 |
| 12/08/2023 | 1,645 | 1,67 | 1,68 | 1,62 | 21,42 |
| 08/09/2023 | 1,875 | 1,855 | 1,875 | 1,855 | 17,22 |
| 10/09/2023 | 1,78 | 1,825 | 1,83 | 1,78 | 19,02 |
| 11/09/2023 | 1,62 | 1,615 | 1,645 | 1,615 | 14,24 |
| 08/10/2023 | 1,845 | 1,875 | 1,875 | 1,825 | 31,69 |
| 10/10/2023 | 1,755 | 1,78 | 1,795 | 1,755 | 18,39 |
| 11/10/2023 | 1,59 | 1,62 | 1,625 | 1,585 | 16,7 |
| 08/11/2023 | 1,85 | 1,84 | 1,855 | 1,83 | 16,67 |
| 09/11/2023 | 1,86 | 1,72 | 1,86 | 1,72 | 58,54 |
| 10/11/2023 | 1,75 | 1,77 | 1,77 | 1,745 | 21,44 |
| 12/11/2023 | 1,63 | 1,645 | 1,645 | 1,605 | 24,84 |
| 09/12/2023 | 1,82 | 1,855 | 1,865 | 1,805 | 41,06 |
| 10/12/2023 | 1,74 | 1,75 | 1,76 | 1,74 | 15,54 |
| 12/12/2023 | 1,61 | 1,63 | 1,635 | 1,6 | 13,68 |
| 08/14/2023 | 1,85 | 1,855 | 1,855 | 1,815 | 36,8 |
| 08/15/2023 | 1,85 | 1,865 | 1,875 | 1,845 | 23,62 |
| 08/16/2023 | 1,87 | 1,85 | 1,87 | 1,835 | 25,07 |
| 08/18/2023 | 1,845 | 1,87 | 1,87 | 1,84 | 50,35 |
| 08/21/2023 | 1,845 | 1,845 | 1,86 | 1,83 | 12,79 |
| 08/22/2023 | 1,855 | 1,83 | 1,855 | 1,825 | 14,61 |
| 08/23/2023 | 1,81 | 1,85 | 1,855 | 1,81 | 34,97 |
| 08/24/2023 | 1,81 | 1,81 | 1,825 | 1,805 | 28,28 |
| 08/25/2023 | 1,81 | 1,82 | 1,82 | 1,8 | 16,35 |
| 08/28/2023 | 1,805 | 1,815 | 1,825 | 1,805 | 13,54 |
| 08/29/2023 | 1,86 | 1,815 | 1,875 | 1,805 | 29,4 |
| 08/30/2023 | 1,845 | 1,86 | 1,87 | 1,83 | 18,65 |
| 08/31/2023 | 1,815 | 1,84 | 1,84 | 1,815 | 48,82 |
| 09/13/2023 | 1,785 | 1,82 | 1,82 | 1,76 | 40,5 |
| 09/14/2023 | 1,785 | 1,785 | 1,825 | 1,775 | 35,13 |
| 09/15/2023 | 1,765 | 1,765 | 1,8 | 1,755 | 64,23 |
| 09/18/2023 | 1,815 | 1,765 | 1,84 | 1,765 | 29,28 |
| 09/19/2023 | 1,79 | 1,82 | 1,82 | 1,78 | 30,1 |
| 09/20/2023 | 1,75 | 1,79 | 1,795 | 1,75 | 41,15 |
| 09/21/2023 | 1,815 | 1,75 | 1,815 | 1,74 | 32,63 |
| 09/22/2023 | 1,78 | 1,815 | 1,82 | 1,78 | 23,99 |
| 09/25/2023 | 1,775 | 1,785 | 1,81 | 1,775 | 21,23 |
| 09/26/2023 | 1,805 | 1,78 | 1,81 | 1,78 | 18,37 |
| 09/27/2023 | 1,755 | 1,805 | 1,805 | 1,75 | 18,24 |
| 09/29/2023 | 1,755 | 1,755 | 1,775 | 1,745 | 22,7 |
| 10/13/2023 | 1,75 | 1,73 | 1,765 | 1,73 | 11,07 |
| 10/16/2023 | 1,76 | 1,765 | 1,775 | 1,755 | 9,55 |
| 10/17/2023 | 1,825 | 1,77 | 1,87 | 1,77 | 38,13 |
| 10/18/2023 | 1,805 | 1,825 | 1,83 | 1,805 | 12,2 |
| 10/19/2023 | 1,8 | 1,805 | 1,81 | 1,775 | 30,15 |
| 10/20/2023 | 1,77 | 1,8 | 1,83 | 1,76 | 25,33 |
| 10/23/2023 | 1,77 | 1,78 | 1,79 | 1,76 | 14,04 |
| 10/24/2023 | 1,825 | 1,77 | 1,865 | 1,77 | 32,87 |
| 10/25/2023 | 1,76 | 1,83 | 1,83 | 1,76 | 25,91 |
| 10/26/2023 | 1,75 | 1,76 | 1,775 | 1,75 | 14,36 |
| 10/27/2023 | 1,755 | 1,775 | 1,775 | 1,75 | 16,7 |
| 10/30/2023 | 1,705 | 1,75 | 1,76 | 1,69 | 24,52 |
| 10/31/2023 | 1,69 | 1,705 | 1,75 | 1,585 | 84,59 |
| 11/13/2023 | 1,6 | 1,605 | 1,635 | 1,595 | 16,89 |
| 11/14/2023 | 1,605 | 1,59 | 1,62 | 1,56 | 24,22 |
| 11/15/2023 | 1,61 | 1,615 | 1,625 | 1,59 | 30,93 |
| 11/16/2023 | 1,615 | 1,61 | 1,615 | 1,58 | 55,8 |
| 11/17/2023 | 1,62 | 1,605 | 1,62 | 1,585 | 43,67 |
| 11/20/2023 | 1,625 | 1,615 | 1,63 | 1,6 | 23,03 |
| 11/21/2023 | 1,605 | 1,615 | 1,62 | 1,595 | 30,53 |
| 11/22/2023 | 1,645 | 1,62 | 1,68 | 1,62 | 28,7 |
| 11/23/2023 | 1,64 | 1,645 | 1,675 | 1,635 | 22,42 |
| 11/24/2023 | 1,595 | 1,64 | 1,65 | 1,59 | 28,22 |
| 11/27/2023 | 1,625 | 1,605 | 1,64 | 1,595 | 25,62 |
| 11/28/2023 | 1,605 | 1,625 | 1,64 | 1,6 | 48,17 |
| 11/29/2023 | 1,605 | 1,61 | 1,635 | 1,6 | 22,56 |
| 11/30/2023 | 1,615 | 1,6 | 1,65 | 1,585 | 138,93 |
| 12/13/2023 | 1,61 | 1,61 | 1,61 | 1,575 | 58,99 |
| 12/14/2023 | 1,6 | 1,615 | 1,62 | 1,595 | 59,55 |
| 12/15/2023 | 1,6 | 1,555 | 1,62 | 1,555 | 124,24 |
| 12/18/2023 | 1,615 | 1,61 | 1,62 | 1,59 | 33,86 |
| 12/19/2023 | 1,66 | 1,62 | 1,665 | 1,6 | 39,06 |
| 12/20/2023 | 1,615 | 1,67 | 1,67 | 1,61 | 23,73 |
| 12/21/2023 | 1,6 | 1,615 | 1,62 | 1,595 | 15,97 |
| 12/22/2023 | 1,585 | 1,605 | 1,62 | 1,585 | 24,33 |
| 12/27/2023 | 1,62 | 1,6 | 1,63 | 1,58 | 20,28 |
| 12/28/2023 | 1,62 | 1,62 | 1,625 | 1,605 | 12,13 |
| 12/29/2023 | 1,61 | 1,625 | 1,63 | 1,6 | 9,76 |
| 01/02/2024 | 1,62 | 1,61 | 1,62 | 1,6 | 9,43 |
| 01/03/2024 | 1,605 | 1,62 | 1,62 | 1,595 | 11,02 |
| 01/04/2024 | 1,59 | 1,605 | 1,62 | 1,59 | 24,58 |
| 01/05/2024 | 1,58 | 1,6 | 1,605 | 1,58 | 35,26 |
| 01/08/2024 | 1,59 | 1,58 | 1,6 | 1,555 | 132,83 |
| 01/09/2024 | 1,59 | 1,59 | 1,595 | 1,56 | 82,11 |
| 01/10/2024 | 1,58 | 1,59 | 1,595 | 1,58 | 26,14 |
| 01/11/2024 | 1,595 | 1,59 | 1,6 | 1,565 | 36,57 |
| 01/12/2024 | 1,595 | 1,585 | 1,6 | 1,565 | 69,33 |
| 01/16/2024 | 1,585 | 1,59 | 1,61 | 1,58 | 29,06 |
| 01/17/2024 | 1,58 | 1,585 | 1,6 | 1,555 | 186,92 |
| 01/18/2024 | 1,58 | 1,57 | 1,59 | 1,555 | 58,9 |
| 01/19/2024 | 1,555 | 1,58 | 1,58 | 1,555 | 21,48 |
| 01/22/2024 | 1,555 | 1,555 | 1,565 | 1,53 | 38,13 |
| 01/23/2024 | 1,555 | 1,555 | 1,56 | 1,525 | 63,57 |
| 01/24/2024 | 1,595 | 1,555 | 1,595 | 1,55 | 19,23 |
| 01/25/2024 | 1,575 | 1,6 | 1,6 | 1,575 | 13,34 |
| 01/26/2024 | 1,54 | 1,575 | 1,575 | 1,53 | 18,47 |
| 01/29/2024 | 1,51 | 1,54 | 1,54 | 1,475 | 65,9 |
| 01/30/2024 | 1,51 | 1,495 | 1,515 | 1,475 | 37,02 |
| 01/31/2024 | 1,51 | 1,5 | 1,53 | 1,495 | 49,47 |
| 02/01/2024 | 1,51 | 1,51 | 1,515 | 1,475 | 93,33 |
| 02/02/2024 | 1,54 | 1,51 | 1,54 | 1,495 | 43,35 |
| 02/05/2024 | 1,545 | 1,54 | 1,555 | 1,51 | 40,44 |
| 02/06/2024 | 1,545 | 1,545 | 1,55 | 1,51 | 46,06 |
| 02/07/2024 | 1,5 | 1,545 | 1,555 | 1,5 | 42,75 |
| 02/12/2024 | 1,49 | 1,505 | 1,515 | 1,485 | 32,03 |
| 01/15/2024 | 1,59 | 1,595 | 1,595 | 1,58 | 20,95 |
| 02/13/2024 | 1,48 | 1,49 | 1,51 | 1,48 | 44,53 |
| 02/15/2024 | 1,455 | 1,5 | 1,51 | 1,455 | 46,62 |
| 02/16/2024 | 1,485 | 1,455 | 1,495 | 1,43 | 88,43 |

**Lampiran 5 Data laporan keuangan perusahaan FAST**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Date | Price | Open | High | Low | Vol, |
| 08/01/2023 | 840 | 840 | 840 | 830 | 3,3 |
| 09/01/2023 | 810 | 825 | 825 | 805 | 3 |
| 11/01/2023 | 740 | 750 | 750 | 740 | 16,2 |
| 12/01/2023 | 745 | 740 | 745 | 735 | 191,4 |
| 08/02/2023 | 845 | 840 | 885 | 840 | 15 |
| 10/02/2023 | 805 | 800 | 815 | 795 | 3,4 |
| 11/02/2023 | 760 | 735 | 760 | 730 | 4,4 |
| 08/03/2023 | 835 | 845 | 845 | 805 | 4,4 |
| 10/03/2023 | 800 | 805 | 805 | 795 | 3,3 |
| 11/03/2023 | 775 | 730 | 780 | 730 | 5,2 |
| 08/04/2023 | 825 | 835 | 845 | 805 | 3,9 |
| 09/04/2023 | 810 | 810 | 810 | 800 | 2,1 |
| 10/04/2023 | 795 | 795 | 800 | 770 | 3,4 |
| 12/04/2023 | 740 | 745 | 745 | 740 | 8,9 |
| 09/05/2023 | 810 | 805 | 810 | 805 | 0,9 |
| 10/05/2023 | 790 | 790 | 790 | 790 | 4,1 |
| 12/05/2023 | 740 | 735 | 740 | 735 | 1,2 |
| 09/06/2023 | 810 | 810 | 830 | 795 | 8,1 |
| 10/06/2023 | 800 | 790 | 800 | 780 | 1,9 |
| 11/06/2023 | 745 | 775 | 775 | 740 | 14,8 |
| 12/06/2023 | 735 | 745 | 745 | 730 | 7 |
| 08/07/2023 | 820 | 825 | 825 | 810 | 2,1 |
| 09/07/2023 | 810 | 810 | 810 | 805 | 8,4 |
| 11/07/2023 | 745 | 770 | 770 | 740 | 254,8 |
| 12/07/2023 | 745 | 730 | 745 | 730 | 123,9 |
| 08/08/2023 | 820 | 825 | 825 | 820 | 3,2 |
| 09/08/2023 | 810 | 800 | 810 | 800 | 1,5 |
| 11/08/2023 | 750 | 745 | 750 | 745 | 0,5 |
| 12/08/2023 | 745 | 745 | 755 | 745 | 6 |
| 08/09/2023 | 815 | 820 | 825 | 800 | 23,4 |
| 10/09/2023 | 800 | 800 | 800 | 790 | 1,4 |
| 11/09/2023 | 745 | 740 | 765 | 740 | 2,9 |
| 08/10/2023 | 800 | 800 | 815 | 755 | 11 |
| 10/10/2023 | 800 | 800 | 800 | 790 | 1,6 |
| 11/10/2023 | 755 | 740 | 755 | 740 | 14 |
| 08/11/2023 | 795 | 810 | 810 | 755 | 6,2 |
| 09/11/2023 | 810 | 810 | 810 | 805 | 0,7 |
| 10/11/2023 | 795 | 790 | 800 | 790 | 1 |
| 12/11/2023 | 740 | 750 | 750 | 740 | 34 |
| 09/12/2023 | 805 | 800 | 805 | 765 | 5,4 |
| 10/12/2023 | 815 | 795 | 880 | 780 | 26,3 |
| 12/12/2023 | 745 | 730 | 745 | 725 | 19,5 |
| 08/14/2023 | 795 | 795 | 805 | 790 | 1,5 |
| 08/15/2023 | 800 | 795 | 805 | 790 | 0,8 |
| 08/16/2023 | 790 | 800 | 800 | 790 | 7,8 |
| 08/18/2023 | 810 | 790 | 815 | 790 | 24,9 |
| 08/21/2023 | 805 | 810 | 810 | 795 | 9 |
| 08/22/2023 | 795 | 805 | 815 | 790 | 6,5 |
| 08/23/2023 | 790 | 795 | 795 | 785 | 2,8 |
| 08/24/2023 | 800 | 790 | 810 | 790 | 6,9 |
| 08/25/2023 | 800 | 795 | 805 | 795 | 1,1 |
| 08/28/2023 | 790 | 810 | 825 | 790 | 13,8 |
| 08/29/2023 | 815 | 800 | 820 | 800 | 2,1 |
| 08/30/2023 | 800 | 815 | 815 | 800 | 4,1 |
| 08/31/2023 | 800 | 805 | 830 | 800 | 8 |
| 09/13/2023 | 800 | 800 | 805 | 800 | 2 |
| 09/14/2023 | 800 | 800 | 805 | 800 | 4,9 |
| 09/15/2023 | 800 | 800 | 800 | 800 | 6,1 |
| 09/18/2023 | 810 | 800 | 820 | 800 | 63,1 |
| 09/19/2023 | 815 | 810 | 850 | 810 | 4,2 |
| 09/20/2023 | 800 | 800 | 800 | 765 | 23,3 |
| 09/21/2023 | 805 | 815 | 815 | 795 | 3 |
| 09/22/2023 | 805 | 805 | 810 | 800 | 2,3 |
| 09/25/2023 | 800 | 805 | 830 | 800 | 4,5 |
| 09/26/2023 | 800 | 800 | 850 | 795 | 7,9 |
| 09/27/2023 | 795 | 800 | 800 | 795 | 2,4 |
| 09/29/2023 | 800 | 805 | 810 | 800 | 0,9 |
| 10/13/2023 | 800 | 815 | 820 | 800 | 4,9 |
| 10/16/2023 | 815 | 800 | 820 | 780 | 4,6 |
| 10/17/2023 | 800 | 800 | 805 | 790 | 46,2 |
| 10/18/2023 | 790 | 785 | 800 | 770 | 13,9 |
| 10/19/2023 | 760 | 770 | 790 | 760 | 32,6 |
| 10/20/2023 | 745 | 760 | 795 | 745 | 17,6 |
| 10/23/2023 | 760 | 745 | 760 | 745 | 52,3 |
| 10/24/2023 | 770 | 760 | 770 | 760 | 5,4 |
| 10/25/2023 | 745 | 770 | 800 | 740 | 39,8 |
| 10/26/2023 | 745 | 760 | 760 | 745 | 9,3 |
| 10/27/2023 | 745 | 745 | 750 | 740 | 53,8 |
| 10/30/2023 | 765 | 740 | 775 | 740 | 4 |
| 10/31/2023 | 750 | 760 | 770 | 750 | 4,6 |
| 11/13/2023 | 740 | 755 | 755 | 740 | 2 |
| 11/14/2023 | 750 | 745 | 760 | 745 | 4,3 |
| 11/15/2023 | 745 | 740 | 765 | 740 | 6 |
| 11/16/2023 | 755 | 740 | 765 | 740 | 2,6 |
| 11/17/2023 | 745 | 765 | 770 | 745 | 7,3 |
| 11/20/2023 | 740 | 745 | 745 | 740 | 14,3 |
| 11/21/2023 | 755 | 740 | 755 | 740 | 3,6 |
| 11/22/2023 | 745 | 740 | 745 | 740 | 4,7 |
| 11/23/2023 | 750 | 765 | 765 | 745 | 2,8 |
| 11/24/2023 | 760 | 740 | 760 | 730 | 7 |
| 11/27/2023 | 755 | 770 | 770 | 755 | 3,1 |
| 11/28/2023 | 760 | 765 | 765 | 750 | 1,8 |
| 11/29/2023 | 760 | 760 | 765 | 730 | 5,8 |
| 11/30/2023 | 745 | 755 | 760 | 740 | 12,5 |
| 12/13/2023 | 750 | 760 | 760 | 730 | 11,9 |
| 12/14/2023 | 750 | 725 | 755 | 725 | 4,8 |
| 12/15/2023 | 740 | 750 | 750 | 730 | 0,4 |
| 12/18/2023 | 730 | 730 | 730 | 730 | 0,1 |
| 12/19/2023 | 765 | 765 | 765 | 765 | 0,1 |
| 12/20/2023 | 765 | 745 | 765 | 740 | 1,9 |
| 12/21/2023 | 740 | 765 | 765 | 740 | 0,8 |
| 12/22/2023 | 760 | 740 | 780 | 740 | 4,7 |
| 12/27/2023 | 755 | 760 | 760 | 730 | 7,5 |
| 12/28/2023 | 755 | 750 | 755 | 750 | 1,2 |
| 12/29/2023 | 740 | 755 | 755 | 740 | 3,8 |
| 01/02/2024 | 770 | 745 | 775 | 740 | 7 |
| 01/03/2024 | 720 | 740 | 760 | 700 | 82,3 |
| 01/04/2024 | 755 | 730 | 755 | 725 | 6,5 |
| 01/05/2024 | 750 | 750 | 750 | 720 | 31,2 |
| 01/08/2024 | 750 | 750 | 750 | 735 | 2 |
| 01/09/2024 | 740 | 740 | 755 | 740 | 10,3 |
| 01/10/2024 | 740 | 740 | 740 | 740 | 0,3 |
| 01/11/2024 | 740 | 740 | 755 | 725 | 12,9 |
| 01/12/2024 | 750 | 750 | 750 | 750 | 0,1 |
| 01/15/2024 | 745 | 750 | 750 | 700 | 5 |
| 01/16/2024 | 740 | 745 | 750 | 705 | 5,1 |
| 01/17/2024 | 740 | 740 | 740 | 740 | 1,3 |
| 01/18/2024 | 725 | 730 | 750 | 720 | 3,6 |
| 01/19/2024 | 735 | 725 | 735 | 725 | 1,2 |
| 01/22/2024 | 745 | 750 | 750 | 725 | 9,2 |
| 01/23/2024 | 730 | 750 | 750 | 725 | 1,9 |
| 01/24/2024 | 725 | 730 | 750 | 725 | 2,5 |
| 01/25/2024 | 745 | 730 | 745 | 715 | 9,2 |
| 01/26/2024 | 720 | 750 | 750 | 715 | 11,4 |
| 01/29/2024 | 725 | 725 | 725 | 725 | 0,4 |
| 01/30/2024 | 720 | 745 | 745 | 715 | 13,8 |
| 01/31/2024 | 730 | 720 | 735 | 720 | 3,2 |
| 02/01/2024 | 730 | 720 | 730 | 715 | 15,8 |
| 02/02/2024 | 730 | 730 | 730 | 715 | 0,8 |
| 02/05/2024 | 710 | 730 | 730 | 710 | 1 |
| 02/06/2024 | 715 | 710 | 715 | 710 | 1,2 |
| 02/07/2024 | 715 | 715 | 715 | 715 | 0,4 |
| 02/12/2024 | 715 | 715 | 735 | 715 | 1,9 |
| 02/13/2024 | 730 | 730 | 735 | 720 | 3,6 |
| 02/15/2024 | 730 | 730 | 740 | 645 | 39,4 |
| 02/16/2024 | 730 | 725 | 730 | 725 | 10,5 |

**Lampiran 6 Data laporan keuangan perusahaan MAPB**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Date | Price | Open | High | Low | Vol, |
| 08/01/2023 | 2,08 | 2,05 | 2,08 | 2,05 | 12,7 |
| 09/01/2023 | 2,14 | 2,1 | 2,14 | 2,1 | 2,5 |
| 11/01/2023 | 1,8 | 1,97 | 1,97 | 1,8 | 3 |
| 12/01/2023 | 1,945 | 1,945 | 1,95 | 1,945 | 1,5 |
| 08/02/2023 | 2,09 | 2,09 | 2,09 | 2,05 | 16,4 |
| 10/02/2023 | 2,04 | 2,1 | 2,1 | 2,04 | 3,8 |
| 11/02/2023 | 1,86 | 1,82 | 1,86 | 1,82 | 0,2 |
| 08/03/2023 | 2,09 | 2,04 | 2,09 | 2,04 | 9,9 |
| 10/03/2023 | 2,05 | 2,05 | 2,08 | 2,05 | 0,5 |
| 11/03/2023 | 1,86 | 1,905 | 1,915 | 1,855 | 11 |
| 08/04/2023 | 2,03 | 2,05 | 2,11 | 2,03 | 0,8 |
| 09/04/2023 | 2,1 | 2,14 | 2,14 | 2,08 | 13,2 |
| 10/04/2023 | 2 | 2,05 | 2,05 | 1,98 | 24 |
| 12/04/2023 | 1,965 | 1,91 | 1,97 | 1,905 | 3,1 |
| 09/05/2023 | 2,09 | 2,19 | 2,19 | 2,09 | 6,1 |
| 10/05/2023 | 2 | 2 | 2 | 1,995 | 1,6 |
| 12/05/2023 | 1,965 | 1,965 | 1,965 | 1,965 | 0,3 |
| 09/06/2023 | 2,09 | 2,1 | 2,1 | 2,09 | 0,6 |
| 10/06/2023 | 2,04 | 2 | 2,06 | 2 | 23 |
| 11/06/2023 | 1,95 | 1,86 | 1,95 | 1,86 | 1,5 |
| 12/06/2023 | 1,97 | 1,945 | 1,97 | 1,945 | 426,4 |
| 08/07/2023 | 2,06 | 2,07 | 2,07 | 2,05 | 1,4 |
| 09/07/2023 | 2,09 | 2,09 | 2,09 | 2,09 | 4 |
| 11/07/2023 | 1,99 | 1,95 | 1,99 | 1,95 | 7,2 |
| 12/07/2023 | 1,905 | 1,905 | 1,905 | 1,905 | 0,9 |
| 08/08/2023 | 2,02 | 2,09 | 2,09 | 2,01 | 45,3 |
| 09/08/2023 | 2,1 | 2,1 | 2,1 | 2,1 | 0,5 |
| 08/09/2023 | 2,05 | 2,06 | 2,06 | 2,03 | 4,8 |
| 10/09/2023 | 2,04 | 2,04 | 2,04 | 2,04 | 0,1 |
| 08/10/2023 | 2,15 | 2,1 | 2,15 | 2,07 | 48,4 |
| 10/10/2023 | 2,03 | 2,09 | 2,1 | 2,03 | 5,3 |
| 08/11/2023 | 2,14 | 2,15 | 2,15 | 2,11 | 12,7 |
| 09/11/2023 | 2,15 | 2,12 | 2,15 | 2,12 | 0,5 |
| 10/11/2023 | 2 | 2,02 | 2,02 | 2 | 1 |
| 12/11/2023 | 1,97 | 1,915 | 1,97 | 1,915 | 1,4 |
| 09/12/2023 | 2,15 | 2,15 | 2,17 | 2,08 | 3,4 |
| 10/12/2023 | 1,965 | 2 | 2 | 1,95 | 10,2 |
| 12/12/2023 | 2,02 | 1,985 | 2,02 | 1,985 | 0,3 |
| 08/14/2023 | 2,19 | 2,11 | 2,22 | 2,11 | 119,6 |
| 08/15/2023 | 2,18 | 2,19 | 2,24 | 2,18 | 11,9 |
| 08/16/2023 | 2,16 | 2,18 | 2,18 | 2,16 | 13,1 |
| 08/18/2023 | 2,23 | 2,24 | 2,3 | 2,2 | 33,9 |
| 08/21/2023 | 2,13 | 2,23 | 2,23 | 2,08 | 13,7 |
| 08/22/2023 | 2,11 | 2,2 | 2,21 | 2,1 | 74,4 |
| 08/23/2023 | 2,12 | 2,13 | 2,2 | 2,12 | 6,8 |
| 08/25/2023 | 2,1 | 2,1 | 2,12 | 2,08 | 10,1 |
| 08/28/2023 | 2,1 | 2,17 | 2,2 | 2,1 | 5,6 |
| 08/29/2023 | 2,12 | 2,1 | 2,12 | 2,1 | 1,8 |
| 08/30/2023 | 2,09 | 2,12 | 2,12 | 2,08 | 2,6 |
| 08/31/2023 | 2,14 | 2,18 | 2,19 | 2,14 | 18,7 |
| 09/13/2023 | 2,15 | 2,15 | 2,15 | 2,15 | 0,1 |
| 09/14/2023 | 2,12 | 2,15 | 2,15 | 2,1 | 1,2 |
| 09/15/2023 | 2,1 | 2,1 | 2,1 | 2,09 | 5,3 |
| 09/18/2023 | 2,08 | 2,1 | 2,1 | 2,08 | 5 |
| 09/19/2023 | 2,08 | 2,08 | 2,08 | 2,07 | 10,3 |
| 09/20/2023 | 2,09 | 2,08 | 2,1 | 2,08 | 43,8 |
| 09/21/2023 | 2,1 | 2,07 | 2,11 | 2,05 | 11,2 |
| 09/25/2023 | 2,02 | 2,1 | 2,1 | 2 | 24,9 |
| 09/26/2023 | 2,09 | 2,02 | 2,1 | 2,01 | 5,4 |
| 09/27/2023 | 2,1 | 2,09 | 2,1 | 2,08 | 0,7 |
| 09/29/2023 | 2,12 | 2,03 | 2,15 | 2,03 | 4,3 |
| 10/13/2023 | 1,99 | 2 | 2 | 1,95 | 1,3 |
| 10/16/2023 | 1,985 | 1,99 | 1,995 | 1,985 | 71,3 |
| 10/17/2023 | 1,905 | 2 | 2 | 1,905 | 10,5 |
| 10/18/2023 | 1,95 | 1,905 | 1,95 | 1,905 | 1,2 |
| 10/19/2023 | 1,95 | 1,95 | 1,95 | 1,95 | 0,4 |
| 10/20/2023 | 1,96 | 1,93 | 1,96 | 1,93 | 0,2 |
| 10/23/2023 | 1,965 | 2 | 2,1 | 1,965 | 1,3 |
| 10/24/2023 | 1,965 | 1,965 | 1,965 | 1,965 | 0,4 |
| 10/25/2023 | 1,97 | 1,97 | 1,97 | 1,97 | 1,3 |
| 10/26/2023 | 1,95 | 1,955 | 1,955 | 1,95 | 14,1 |
| 10/27/2023 | 1,95 | 1,95 | 1,95 | 1,92 | 27 |
| 10/30/2023 | 1,915 | 1,95 | 1,95 | 1,915 | 59,3 |
| 10/31/2023 | 1,97 | 1,915 | 1,97 | 1,88 | 50,6 |
| 11/13/2023 | 1,935 | 1,98 | 1,985 | 1,93 | 2,1 |
| 11/14/2023 | 1,985 | 1,985 | 1,985 | 1,985 | 0,1 |
| 11/15/2023 | 1,985 | 1,985 | 1,985 | 1,985 | 0,5 |
| 11/16/2023 | 1,985 | 1,985 | 1,985 | 1,985 | 0,5 |
| 11/20/2023 | 2,09 | 1,865 | 2,1 | 1,8 | 76,1 |
| 11/21/2023 | 1,97 | 1,995 | 2,06 | 1,81 | 158,3 |
| 11/22/2023 | 1,9 | 1,97 | 2,05 | 1,875 | 62,2 |
| 11/23/2023 | 1,9 | 2,05 | 2,05 | 1,9 | 6,3 |
| 11/24/2023 | 1,955 | 1,9 | 1,955 | 1,9 | 4,5 |
| 11/27/2023 | 1,9 | 1,955 | 1,955 | 1,9 | 20,3 |
| 11/28/2023 | 1,91 | 1,95 | 1,95 | 1,9 | 113,2 |
| 11/29/2023 | 1,91 | 1,95 | 1,955 | 1,91 | 18,2 |
| 11/30/2023 | 1,915 | 1,95 | 1,95 | 1,91 | 0,3 |
| 12/13/2023 | 1,93 | 1,93 | 1,93 | 1,93 | 0,1 |
| 12/14/2023 | 1,98 | 1,99 | 2 | 1,98 | 3,5 |
| 12/15/2023 | 1,99 | 1,98 | 1,99 | 1,98 | 1,9 |
| 12/18/2023 | 1,99 | 1,99 | 1,99 | 1,94 | 3,1 |
| 12/19/2023 | 1,99 | 1,99 | 1,99 | 1,99 | 1,2 |
| 12/20/2023 | 1,99 | 1,99 | 1,99 | 1,99 | 0,5 |
| 12/21/2023 | 1,99 | 1,99 | 1,99 | 1,99 | 0,1 |
| 12/22/2023 | 1,99 | 1,99 | 1,99 | 1,99 | 1,2 |
| 12/27/2023 | 1,935 | 1,985 | 1,985 | 1,935 | 0,6 |
| 12/28/2023 | 1,95 | 1,95 | 1,95 | 1,95 | 12,4 |
| 12/29/2023 | 1,94 | 2 | 2 | 1,94 | 0,7 |
| 01/02/2024 | 2,05 | 1,94 | 2,05 | 1,93 | 19,7 |
| 01/03/2024 | 2 | 2 | 2,05 | 2 | 1,7 |
| 01/04/2024 | 1,965 | 1,95 | 1,965 | 1,95 | 8,1 |
| 01/05/2024 | 1,935 | 1,935 | 1,94 | 1,935 | 0,7 |
| 01/08/2024 | 1,995 | 1,935 | 2,01 | 1,935 | 4 |
| 01/09/2024 | 1,995 | 1,985 | 1,995 | 1,985 | 4,9 |
| 01/10/2024 | 1,995 | 1,995 | 1,995 | 1,995 | 0,1 |
| 01/11/2024 | 1,965 | 1,99 | 1,995 | 1,965 | 1,2 |
| 01/12/2024 | 1,995 | 1,965 | 1,995 | 1,935 | 2,3 |
| 01/15/2024 | 1,945 | 1,935 | 1,95 | 1,93 | 2,5 |
| 01/16/2024 | 1,99 | 1,99 | 1,99 | 1,985 | 3,1 |
| 01/17/2024 | 1,99 | 1,945 | 1,99 | 1,945 | 0,5 |
| 01/18/2024 | 1,99 | 1,99 | 1,99 | 1,99 | 3,7 |
| 01/19/2024 | 1,99 | 1,99 | 1,99 | 1,99 | 0,1 |
| 01/22/2024 | 2 | 1,95 | 2 | 1,95 | 0,7 |
| 01/23/2024 | 2,01 | 2 | 2,01 | 1,945 | 0,9 |
| 01/24/2024 | 2 | 1,945 | 2 | 1,945 | 1,1 |
| 01/26/2024 | 2 | 2 | 2 | 1,935 | 1,7 |
| 01/29/2024 | 2 | 2 | 2 | 2 | 0,1 |
| 01/30/2024 | 2 | 2 | 2 | 2 | 0,6 |
| 01/31/2024 | 1,995 | 1,98 | 1,995 | 1,98 | 2 |
| 02/01/2024 | 1,995 | 1,995 | 1,995 | 1,995 | 1,6 |
| 02/02/2024 | 1,995 | 1,995 | 1,995 | 1,995 | 1,5 |
| 02/05/2024 | 1,92 | 1,995 | 1,995 | 1,92 | 105,3 |
| 02/06/2024 | 1,925 | 1,95 | 2,37 | 1,9 | 265,6 |
| 02/07/2024 | 1,905 | 1,915 | 2 | 1,905 | 4,5 |
| 02/12/2024 | 1,965 | 1,965 | 1,965 | 1,965 | 1,9 |
| 02/13/2024 | 1,99 | 1,965 | 1,99 | 1,965 | 0,3 |
| 02/15/2024 | 1,975 | 1,97 | 1,975 | 1,97 | 1,6 |
| 02/16/2024 | 1,97 | 1,975 | 1,975 | 1,895 | 3 |

**Lampiran 7 Data laporan keuangan perusahaan ERRA**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Date | Price | Open | High | Low | Vol, |
| 08/01/2023 | 505 | 505 | 505 | 484 | 173,16 |
| 09/01/2023 | 482 | 486 | 490 | 478 | 53,33 |
| 11/01/2023 | 344 | 394 | 394 | 342 | 193,65 |
| 12/01/2023 | 380 | 360 | 388 | 356 | 71,87 |
| 08/02/2023 | 515 | 505 | 530 | 498 | 157,45 |
| 10/02/2023 | 444 | 452 | 454 | 436 | 56,8 |
| 11/02/2023 | 354 | 344 | 360 | 342 | 95,61 |
| 08/03/2023 | 525 | 515 | 535 | 510 | 131,8 |
| 10/03/2023 | 432 | 444 | 444 | 424 | 76,68 |
| 11/03/2023 | 362 | 354 | 366 | 354 | 55,54 |
| 08/04/2023 | 520 | 520 | 530 | 510 | 85,15 |
| 09/04/2023 | 486 | 482 | 486 | 478 | 36,94 |
| 10/04/2023 | 416 | 430 | 432 | 414 | 83,56 |
| 12/04/2023 | 374 | 382 | 386 | 372 | 44,17 |
| 09/05/2023 | 488 | 492 | 492 | 480 | 22,28 |
| 10/05/2023 | 434 | 426 | 436 | 414 | 47,75 |
| 12/05/2023 | 378 | 384 | 386 | 372 | 35,75 |
| 09/06/2023 | 484 | 488 | 488 | 480 | 28,75 |
| 10/06/2023 | 432 | 434 | 434 | 426 | 17,16 |
| 11/06/2023 | 356 | 370 | 370 | 354 | 32,62 |
| 12/06/2023 | 370 | 378 | 380 | 368 | 26,39 |
| 08/07/2023 | 540 | 520 | 545 | 520 | 119,62 |
| 09/07/2023 | 478 | 484 | 484 | 478 | 31,77 |
| 11/07/2023 | 344 | 358 | 362 | 342 | 60,97 |
| 12/07/2023 | 364 | 370 | 374 | 362 | 12,74 |
| 08/08/2023 | 510 | 540 | 545 | 500 | 137,13 |
| 09/08/2023 | 474 | 478 | 482 | 472 | 46,67 |
| 11/08/2023 | 328 | 344 | 352 | 328 | 101,95 |
| 12/08/2023 | 362 | 366 | 368 | 358 | 12,71 |
| 08/09/2023 | 496 | 510 | 520 | 496 | 67,94 |
| 10/09/2023 | 430 | 430 | 438 | 426 | 16,74 |
| 11/09/2023 | 340 | 328 | 342 | 326 | 46,06 |
| 08/10/2023 | 494 | 496 | 505 | 494 | 35,27 |
| 10/10/2023 | 442 | 430 | 446 | 426 | 31,88 |
| 11/10/2023 | 336 | 340 | 342 | 332 | 27,82 |
| 08/11/2023 | 500 | 496 | 505 | 496 | 30,57 |
| 09/11/2023 | 474 | 478 | 480 | 472 | 26,08 |
| 10/11/2023 | 450 | 442 | 450 | 440 | 26,51 |
| 12/11/2023 | 340 | 362 | 366 | 340 | 34,83 |
| 09/12/2023 | 488 | 474 | 488 | 474 | 79,26 |
| 10/12/2023 | 440 | 450 | 450 | 440 | 15,62 |
| 12/12/2023 | 340 | 342 | 358 | 334 | 35,68 |
| 08/14/2023 | 498 | 500 | 505 | 494 | 28,62 |
| 08/15/2023 | 500 | 500 | 510 | 498 | 34,11 |
| 08/16/2023 | 515 | 500 | 520 | 500 | 73,96 |
| 08/18/2023 | 505 | 530 | 530 | 500 | 66,1 |
| 08/21/2023 | 496 | 505 | 510 | 492 | 87,83 |
| 08/22/2023 | 500 | 496 | 505 | 492 | 40,67 |
| 08/23/2023 | 494 | 500 | 505 | 492 | 44,13 |
| 08/24/2023 | 494 | 494 | 505 | 494 | 52,5 |
| 08/25/2023 | 490 | 494 | 498 | 490 | 43,94 |
| 08/28/2023 | 482 | 490 | 498 | 480 | 88,34 |
| 08/29/2023 | 480 | 484 | 486 | 478 | 35,78 |
| 08/30/2023 | 488 | 482 | 488 | 480 | 45,97 |
| 08/31/2023 | 486 | 488 | 492 | 482 | 55,71 |
| 09/13/2023 | 488 | 488 | 494 | 482 | 54,35 |
| 09/14/2023 | 480 | 490 | 490 | 478 | 31,57 |
| 09/15/2023 | 476 | 482 | 484 | 474 | 39,37 |
| 09/18/2023 | 466 | 476 | 478 | 460 | 95,37 |
| 09/19/2023 | 464 | 468 | 470 | 462 | 45,88 |
| 09/20/2023 | 462 | 466 | 468 | 462 | 23,17 |
| 09/21/2023 | 462 | 462 | 470 | 462 | 25,03 |
| 09/22/2023 | 464 | 462 | 466 | 462 | 12,1 |
| 09/25/2023 | 458 | 464 | 466 | 452 | 35,71 |
| 09/26/2023 | 440 | 458 | 458 | 440 | 75,84 |
| 09/27/2023 | 444 | 440 | 450 | 440 | 32,14 |
| 09/29/2023 | 452 | 454 | 454 | 442 | 21,3 |
| 10/13/2023 | 440 | 440 | 446 | 440 | 14,04 |
| 10/16/2023 | 434 | 442 | 446 | 432 | 18,44 |
| 10/17/2023 | 434 | 434 | 438 | 430 | 10,33 |
| 10/18/2023 | 424 | 434 | 436 | 424 | 20,73 |
| 10/19/2023 | 418 | 424 | 426 | 416 | 23,99 |
| 10/20/2023 | 410 | 416 | 422 | 408 | 16,88 |
| 10/23/2023 | 406 | 410 | 416 | 404 | 13,09 |
| 10/24/2023 | 418 | 406 | 420 | 400 | 14,88 |
| 10/25/2023 | 438 | 420 | 438 | 418 | 29,94 |
| 10/26/2023 | 422 | 436 | 440 | 420 | 20,45 |
| 10/27/2023 | 422 | 422 | 428 | 420 | 7,33 |
| 10/30/2023 | 410 | 428 | 428 | 408 | 52,25 |
| 10/31/2023 | 400 | 412 | 416 | 398 | 59,92 |
| 11/13/2023 | 332 | 336 | 340 | 332 | 33,4 |
| 11/14/2023 | 334 | 332 | 336 | 328 | 32,52 |
| 11/15/2023 | 340 | 334 | 348 | 334 | 59,16 |
| 11/16/2023 | 338 | 342 | 346 | 336 | 23,49 |
| 11/17/2023 | 336 | 338 | 342 | 334 | 21,22 |
| 11/20/2023 | 340 | 338 | 342 | 328 | 25,38 |
| 11/21/2023 | 350 | 344 | 350 | 338 | 44,23 |
| 11/22/2023 | 354 | 352 | 362 | 350 | 53,21 |
| 11/23/2023 | 362 | 356 | 362 | 350 | 24,42 |
| 11/24/2023 | 362 | 362 | 368 | 358 | 25,73 |
| 11/27/2023 | 362 | 362 | 368 | 360 | 22,21 |
| 11/28/2023 | 354 | 368 | 368 | 352 | 38,43 |
| 11/29/2023 | 362 | 354 | 362 | 354 | 14,98 |
| 11/30/2023 | 358 | 362 | 364 | 356 | 12,93 |
| 12/13/2023 | 340 | 348 | 348 | 332 | 22,54 |
| 12/14/2023 | 356 | 342 | 360 | 340 | 32,66 |
| 12/15/2023 | 354 | 356 | 360 | 348 | 26,74 |
| 12/18/2023 | 394 | 354 | 394 | 354 | 118,68 |
| 12/19/2023 | 410 | 390 | 416 | 378 | 211,21 |
| 12/20/2023 | 402 | 410 | 416 | 400 | 42,05 |
| 12/21/2023 | 420 | 398 | 424 | 396 | 65,54 |
| 12/22/2023 | 404 | 418 | 424 | 404 | 64,37 |
| 12/27/2023 | 416 | 404 | 420 | 402 | 60,91 |
| 12/28/2023 | 414 | 416 | 426 | 410 | 18,47 |
| 12/29/2023 | 426 | 414 | 426 | 408 | 83,24 |
| 01/02/2024 | 424 | 426 | 432 | 418 | 39,4 |
| 01/03/2024 | 416 | 424 | 428 | 414 | 18,52 |
| 01/04/2024 | 424 | 414 | 432 | 414 | 35,95 |
| 01/05/2024 | 422 | 434 | 434 | 420 | 10,1 |
| 01/08/2024 | 420 | 422 | 422 | 412 | 19,92 |
| 01/09/2024 | 416 | 418 | 422 | 408 | 27,01 |
| 01/10/2024 | 426 | 412 | 428 | 412 | 28,37 |
| 01/11/2024 | 426 | 426 | 430 | 422 | 13,64 |
| 01/12/2024 | 420 | 426 | 428 | 418 | 23,15 |
| 01/15/2024 | 424 | 420 | 424 | 416 | 11,47 |
| 01/16/2024 | 422 | 424 | 426 | 418 | 10,25 |
| 01/17/2024 | 414 | 424 | 426 | 414 | 11,67 |
| 01/18/2024 | 436 | 414 | 438 | 402 | 68,15 |
| 01/19/2024 | 422 | 436 | 442 | 420 | 38,59 |
| 01/22/2024 | 426 | 422 | 428 | 416 | 15,91 |
| 01/23/2024 | 424 | 426 | 430 | 422 | 15,21 |
| 01/24/2024 | 420 | 424 | 426 | 418 | 27,48 |
| 01/25/2024 | 412 | 420 | 424 | 412 | 27,39 |
| 01/26/2024 | 414 | 414 | 416 | 410 | 28,59 |
| 01/29/2024 | 414 | 412 | 420 | 412 | 12,94 |
| 01/30/2024 | 414 | 416 | 420 | 412 | 13,48 |
| 01/31/2024 | 410 | 414 | 418 | 410 | 20,36 |
| 02/01/2024 | 408 | 412 | 412 | 404 | 10,06 |
| 02/02/2024 | 432 | 410 | 434 | 408 | 73,83 |
| 02/05/2024 | 428 | 442 | 442 | 422 | 26,55 |
| 02/06/2024 | 454 | 428 | 462 | 428 | 206,31 |
| 02/07/2024 | 458 | 456 | 464 | 452 | 46,03 |
| 02/12/2024 | 458 | 458 | 462 | 444 | 43,66 |
| 02/13/2024 | 450 | 458 | 460 | 446 | 15,76 |
| 02/15/2024 | 452 | 450 | 456 | 446 | 18,21 |
| 02/16/2024 | 442 | 452 | 456 | 442 | 17,59 |

**Lampiran 8 Data laporan keuangan perusahaan ADES**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Date | Price | Open | High | Low | Vol, |
| 08/01/2023 | 11,8 | 12,9 | 12,9 | 11,8 | 296,3 |
| 09/01/2023 | 11,175 | 11,4 | 11,4 | 11,175 | 75,7 |
| 11/01/2023 | 10,6 | 10,9 | 10,9 | 10,575 | 112,7 |
| 12/01/2023 | 10 | 9,9 | 10,175 | 9,875 | 46,8 |
| 08/02/2023 | 12,3 | 11,8 | 13,475 | 11,8 | 317,5 |
| 10/02/2023 | 10,45 | 10,5 | 10,65 | 10,4 | 83,4 |
| 11/02/2023 | 10,5 | 10,6 | 10,85 | 10,125 | 181,5 |
| 08/03/2023 | 11,9 | 12,3 | 12,575 | 11,8 | 272,3 |
| 10/03/2023 | 10,4 | 10,475 | 10,55 | 10,4 | 40,7 |
| 11/03/2023 | 10,325 | 10,5 | 10,5 | 10,3 | 61,7 |
| 08/04/2023 | 11,8 | 11,9 | 12,3 | 11,6 | 124,9 |
| 09/04/2023 | 11,2 | 11,175 | 11,35 | 11,125 | 60,6 |
| 10/04/2023 | 10,15 | 10,4 | 10,4 | 10,125 | 86,7 |
| 12/04/2023 | 10,25 | 10 | 10,375 | 10 | 172,3 |
| 09/05/2023 | 11,15 | 11,2 | 11,25 | 11,15 | 29,3 |
| 10/05/2023 | 10,1 | 10,2 | 10,35 | 10 | 60,3 |
| 12/05/2023 | 10,3 | 10,25 | 10,45 | 10 | 256,4 |
| 09/06/2023 | 11 | 11,175 | 11,2 | 10,975 | 138 |
| 10/06/2023 | 10,4 | 10,1 | 10,65 | 10 | 103,8 |
| 11/06/2023 | 10,325 | 10,375 | 10,6 | 10,25 | 71,8 |
| 12/06/2023 | 10 | 10,45 | 10,45 | 9,95 | 131,4 |
| 08/07/2023 | 11,925 | 11,825 | 12,325 | 11,8 | 136,8 |
| 09/07/2023 | 10,875 | 11 | 11 | 10,825 | 79,3 |
| 11/07/2023 | 10,3 | 10,325 | 10,55 | 10,2 | 71,2 |
| 12/07/2023 | 9,8 | 10 | 10,2 | 9,8 | 119,1 |
| 08/08/2023 | 12 | 11,925 | 12,175 | 11,925 | 22,1 |
| 09/08/2023 | 10,7 | 10,875 | 10,875 | 10,675 | 64,4 |
| 11/08/2023 | 10,225 | 10,3 | 10,3 | 10,2 | 38,1 |
| 12/08/2023 | 9,45 | 9,8 | 9,85 | 9,4 | 217,2 |
| 08/09/2023 | 11,75 | 12,175 | 12,175 | 11,6 | 132 |
| 10/09/2023 | 10,4 | 10,4 | 10,475 | 10,175 | 92,6 |
| 11/09/2023 | 10,2 | 10,325 | 10,45 | 10,1 | 59,4 |
| 08/10/2023 | 11,725 | 11,75 | 12 | 11,525 | 95,9 |
| 10/10/2023 | 10,375 | 10,4 | 10,425 | 10,225 | 30 |
| 11/10/2023 | 10,075 | 10,2 | 10,325 | 10,05 | 59,2 |
| 08/11/2023 | 11,725 | 11,725 | 11,875 | 11,675 | 61,8 |
| 09/11/2023 | 11,1 | 10,7 | 11,375 | 10,5 | 79,9 |
| 10/11/2023 | 10,45 | 10,4 | 10,65 | 10,35 | 38,7 |
| 12/11/2023 | 9,475 | 9,45 | 9,7 | 9,3 | 201,8 |
| 09/12/2023 | 11,075 | 11,1 | 11,325 | 10,925 | 36,7 |
| 10/12/2023 | 10,95 | 10,45 | 11,025 | 10,4 | 82,9 |
| 12/12/2023 | 9,4 | 9,475 | 9,475 | 9,2 | 300,4 |
| 08/14/2023 | 12,075 | 11,775 | 12,1 | 11,6 | 207,1 |
| 08/15/2023 | 12,1 | 12,075 | 12,3 | 12 | 75,4 |
| 08/16/2023 | 11,95 | 12,1 | 12,25 | 11,95 | 94,2 |
| 08/18/2023 | 11,8 | 11,975 | 12,075 | 11,8 | 143,1 |
| 08/21/2023 | 11,65 | 11,8 | 11,95 | 11,6 | 106,3 |
| 08/22/2023 | 11,4 | 11,65 | 11,9 | 11,325 | 338,1 |
| 08/23/2023 | 11,35 | 11,575 | 11,9 | 11,3 | 360 |
| 08/24/2023 | 11,35 | 11,35 | 11,475 | 11,3 | 208,6 |
| 08/25/2023 | 11,325 | 11,3 | 11,4 | 11,3 | 56 |
| 08/28/2023 | 11,65 | 11,375 | 11,875 | 11,3 | 175,6 |
| 08/29/2023 | 11,3 | 11,65 | 11,7 | 11,275 | 118,1 |
| 08/30/2023 | 11,45 | 11,325 | 11,475 | 11,325 | 120,5 |
| 08/31/2023 | 11,25 | 11,35 | 11,45 | 11,125 | 167,3 |
| 09/13/2023 | 10,875 | 11,075 | 11,15 | 10,875 | 31,4 |
| 09/14/2023 | 10,675 | 10,875 | 11 | 10,55 | 195,8 |
| 09/15/2023 | 10,7 | 10,675 | 10,925 | 10,675 | 128,6 |
| 09/18/2023 | 10,725 | 10,725 | 10,75 | 10,6 | 97,3 |
| 09/19/2023 | 10,675 | 10,725 | 10,775 | 10,625 | 128,2 |
| 09/20/2023 | 10,875 | 10,675 | 10,875 | 10,65 | 78 |
| 09/21/2023 | 10,7 | 10,875 | 10,875 | 10,625 | 171,9 |
| 09/22/2023 | 10,85 | 10,7 | 10,875 | 10,7 | 23,2 |
| 09/25/2023 | 10,8 | 10,75 | 10,875 | 10,725 | 64 |
| 09/26/2023 | 10,575 | 10,8 | 10,8 | 10,575 | 34,3 |
| 09/27/2023 | 10,575 | 10,575 | 10,65 | 10,5 | 55,2 |
| 09/29/2023 | 10,625 | 10,55 | 10,625 | 10,5 | 61,8 |
| 10/13/2023 | 10,85 | 10,95 | 11 | 10,75 | 99 |
| 10/16/2023 | 10,85 | 10,875 | 11,1 | 10,825 | 87,8 |
| 10/17/2023 | 10,85 | 10,85 | 10,925 | 10,525 | 31,4 |
| 10/18/2023 | 10,725 | 10,85 | 10,875 | 10,525 | 93,4 |
| 10/19/2023 | 10,425 | 10,725 | 10,725 | 10,425 | 50,8 |
| 10/20/2023 | 10,3 | 10,425 | 10,425 | 10,1 | 92,9 |
| 10/23/2023 | 10,375 | 10,325 | 10,425 | 10,05 | 153,6 |
| 10/24/2023 | 10,375 | 10,475 | 10,5 | 10,325 | 12,4 |
| 10/25/2023 | 11,2 | 10,475 | 11,425 | 10,4 | 188,1 |
| 10/26/2023 | 10,85 | 11,1 | 11,375 | 10,8 | 82 |
| 10/27/2023 | 10,6 | 10,825 | 11 | 10,575 | 60,4 |
| 10/30/2023 | 10,525 | 10,6 | 10,775 | 10,35 | 40,6 |
| 10/31/2023 | 10,8 | 10,7 | 11 | 10,575 | 122,3 |
| 11/13/2023 | 9,675 | 10,05 | 10,075 | 9,625 | 245,2 |
| 11/14/2023 | 9 | 9,675 | 9,7 | 8,85 | 994,4 |
| 11/15/2023 | 9,325 | 8,725 | 9,35 | 8,725 | 805,5 |
| 11/16/2023 | 9,2 | 9,325 | 9,425 | 9,15 | 245,4 |
| 11/17/2023 | 9,175 | 9,225 | 9,225 | 9,1 | 361 |
| 11/20/2023 | 9,1 | 9,2 | 9,2 | 9,1 | 224,4 |
| 11/21/2023 | 8,975 | 9,1 | 9,2 | 8,9 | 237,8 |
| 11/22/2023 | 8,975 | 8,975 | 9,025 | 8,925 | 157,2 |
| 11/23/2023 | 9,025 | 9 | 9,05 | 8,975 | 119,6 |
| 11/24/2023 | 8,9 | 9,025 | 9,025 | 8,775 | 347,3 |
| 11/27/2023 | 8,975 | 8,925 | 9,175 | 8,775 | 367,3 |
| 11/28/2023 | 9,075 | 9 | 9,075 | 8,975 | 202,5 |
| 11/29/2023 | 9,725 | 9,075 | 9,775 | 9,075 | 172,4 |
| 11/30/2023 | 9,875 | 9,725 | 10,225 | 9,725 | 348,6 |
| 12/13/2023 | 9,325 | 9,4 | 9,4 | 9,15 | 71,7 |
| 12/14/2023 | 9,325 | 9,35 | 9,475 | 9,2 | 132,6 |
| 12/15/2023 | 9,375 | 9,45 | 9,55 | 9,275 | 126,8 |
| 12/18/2023 | 9,475 | 9,4 | 9,7 | 9,275 | 109,4 |
| 12/19/2023 | 9,475 | 9,475 | 9,5 | 9,275 | 40,5 |
| 12/20/2023 | 9,45 | 9,475 | 9,5 | 9,325 | 42,8 |
| 12/21/2023 | 9,275 | 9,45 | 9,475 | 9,25 | 79,5 |
| 12/22/2023 | 9,375 | 9,1 | 9,375 | 9,1 | 66,9 |
| 12/27/2023 | 9,7 | 9,3 | 10,45 | 9,25 | 154,9 |
| 12/28/2023 | 9,75 | 9,6 | 10,275 | 9,5 | 159,6 |
| 12/29/2023 | 9,675 | 9,75 | 9,9 | 9,6 | 58,9 |
| 01/02/2024 | 9,7 | 9,75 | 9,9 | 9,475 | 40,6 |
| 01/03/2024 | 9,7 | 9,725 | 9,775 | 9,6 | 38,5 |
| 01/04/2024 | 9,65 | 9,7 | 9,7 | 9,55 | 58,6 |
| 01/05/2024 | 9,8 | 9,675 | 9,825 | 9,6 | 144,2 |
| 01/08/2024 | 9,725 | 9,8 | 9,8 | 9,5 | 153 |
| 01/09/2024 | 9,675 | 9,725 | 9,8 | 9,5 | 152,3 |
| 01/10/2024 | 9,65 | 9,675 | 9,8 | 9,525 | 43,2 |
| 01/11/2024 | 9,5 | 9,65 | 9,65 | 9,45 | 184,4 |
| 01/12/2024 | 9,5 | 9,5 | 9,55 | 9,425 | 61,7 |
| 01/15/2024 | 9,525 | 9,5 | 9,6 | 9,45 | 118,3 |
| 01/16/2024 | 9,525 | 9,55 | 9,6 | 9,5 | 47,8 |
| 01/17/2024 | 9,6 | 9,575 | 9,6 | 9,55 | 20,3 |
| 01/18/2024 | 9,5 | 9,6 | 9,675 | 9,5 | 46 |
| 01/19/2024 | 9,55 | 9,65 | 9,725 | 9,5 | 195,6 |
| 01/22/2024 | 9,5 | 9,55 | 9,65 | 9,475 | 139,1 |
| 01/23/2024 | 9,45 | 9,5 | 9,6 | 9,425 | 24 |
| 01/24/2024 | 9,45 | 9,5 | 9,95 | 9,325 | 236,5 |
| 01/25/2024 | 9,55 | 9,45 | 9,575 | 9,425 | 54,2 |
| 01/26/2024 | 9,4 | 9,525 | 9,55 | 9,4 | 16,6 |
| 01/29/2024 | 9,3 | 9,4 | 9,475 | 9,25 | 92 |
| 01/30/2024 | 9 | 9,275 | 9,3 | 8,975 | 789,8 |
| 01/31/2024 | 9,15 | 8,95 | 9,175 | 8,95 | 185,1 |
| 02/01/2024 | 9,125 | 9,175 | 9,175 | 9 | 69,5 |
| 02/02/2024 | 9,075 | 9,125 | 9,125 | 9,025 | 30,9 |
| 02/05/2024 | 9,1 | 9,075 | 9,225 | 9,05 | 54,6 |
| 02/06/2024 | 9,125 | 9,1 | 9,2 | 9,025 | 36,7 |
| 02/07/2024 | 9,175 | 9,1 | 9,175 | 9,05 | 40,1 |
| 02/12/2024 | 9,15 | 9,175 | 9,2 | 9,15 | 23,1 |
| 02/13/2024 | 9,15 | 9,15 | 9,275 | 9,125 | 55,6 |
| 02/15/2024 | 9,35 | 9,15 | 9,35 | 9,15 | 25,9 |
| 02/16/2024 | 10,05 | 9,425 | 10,275 | 9,425 | 181 |

**Lampiran 9 Data laporan keuangan perusahaan UNVR**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Date | Price | Open | High | Low | Vol, |
| 08/01/2023 | 3,77 | 3,83 | 3,85 | 3,77 | 20,62 |
| 09/01/2023 | 3,66 | 3,67 | 3,72 | 3,63 | 14,23 |
| 11/01/2023 | 3,58 | 3,6 | 3,65 | 3,55 | 22,59 |
| 12/01/2023 | 3,63 | 3,6 | 3,7 | 3,59 | 11,65 |
| 08/02/2023 | 3,69 | 3,77 | 3,8 | 3,68 | 28,81 |
| 10/02/2023 | 3,7 | 3,74 | 3,78 | 3,7 | 7,92 |
| 11/02/2023 | 3,59 | 3,6 | 3,67 | 3,57 | 20,93 |
| 08/03/2023 | 3,77 | 3,69 | 3,83 | 3,67 | 26,35 |
| 10/03/2023 | 3,59 | 3,7 | 3,7 | 3,59 | 3,55 |
| 11/03/2023 | 3,55 | 3,59 | 3,61 | 3,52 | 17,88 |
| 08/04/2023 | 3,74 | 3,78 | 3,81 | 3,73 | 18,18 |
| 09/04/2023 | 3,66 | 3,67 | 3,69 | 3,66 | 4,22 |
| 10/04/2023 | 3,58 | 3,59 | 3,61 | 3,54 | 9,9 |
| 12/04/2023 | 3,63 | 3,64 | 3,67 | 3,55 | 17,11 |
| 09/05/2023 | 3,62 | 3,66 | 3,67 | 3,6 | 13,72 |
| 10/05/2023 | 3,66 | 3,61 | 3,68 | 3,58 | 12,78 |
| 12/05/2023 | 3,62 | 3,59 | 3,62 | 3,57 | 14,55 |
| 09/06/2023 | 3,65 | 3,62 | 3,68 | 3,6 | 9,88 |
| 10/06/2023 | 3,8 | 3,68 | 3,84 | 3,67 | 23,55 |
| 11/06/2023 | 3,62 | 3,55 | 3,63 | 3,55 | 11,11 |
| 12/06/2023 | 3,51 | 3,62 | 3,63 | 3,5 | 16,67 |
| 08/07/2023 | 3,72 | 3,74 | 3,77 | 3,72 | 7,68 |
| 09/07/2023 | 3,63 | 3,66 | 3,67 | 3,6 | 13,67 |
| 11/07/2023 | 3,57 | 3,62 | 3,62 | 3,55 | 10,36 |
| 12/07/2023 | 3,57 | 3,51 | 3,57 | 3,5 | 7,25 |
| 08/08/2023 | 3,75 | 3,73 | 3,79 | 3,73 | 13,37 |
| 09/08/2023 | 3,61 | 3,63 | 3,63 | 3,57 | 13,78 |
| 11/08/2023 | 3,6 | 3,56 | 3,6 | 3,56 | 6,3 |
| 12/08/2023 | 3,51 | 3,57 | 3,57 | 3,49 | 10,27 |
| 08/09/2023 | 3,72 | 3,75 | 3,77 | 3,72 | 13,41 |
| 10/09/2023 | 3,72 | 3,8 | 3,8 | 3,7 | 8,31 |
| 11/09/2023 | 3,6 | 3,6 | 3,6 | 3,58 | 4,26 |
| 08/10/2023 | 3,68 | 3,72 | 3,73 | 3,68 | 13,48 |
| 10/10/2023 | 3,67 | 3,72 | 3,75 | 3,67 | 5,04 |
| 11/10/2023 | 3,59 | 3,6 | 3,6 | 3,55 | 4,5 |
| 08/11/2023 | 3,7 | 3,68 | 3,72 | 3,68 | 7,7 |
| 09/11/2023 | 3,65 | 3,61 | 3,65 | 3,58 | 7,7 |
| 10/11/2023 | 3,61 | 3,67 | 3,71 | 3,61 | 12,32 |
| 12/11/2023 | 3,5 | 3,5 | 3,51 | 3,47 | 7,7 |
| 09/12/2023 | 3,62 | 3,65 | 3,66 | 3,61 | 6,76 |
| 10/12/2023 | 3,63 | 3,62 | 3,67 | 3,61 | 10,45 |
| 12/12/2023 | 3,43 | 3,5 | 3,51 | 3,42 | 11,41 |
| 08/14/2023 | 3,73 | 3,7 | 3,73 | 3,63 | 13,59 |
| 08/15/2023 | 3,73 | 3,75 | 3,75 | 3,69 | 9,91 |
| 08/16/2023 | 3,73 | 3,73 | 3,73 | 3,68 | 9,21 |
| 08/18/2023 | 3,69 | 3,68 | 3,72 | 3,68 | 10,42 |
| 08/21/2023 | 3,71 | 3,7 | 3,73 | 3,69 | 6,14 |
| 08/22/2023 | 3,71 | 3,71 | 3,72 | 3,7 | 5,44 |
| 08/23/2023 | 3,75 | 3,71 | 3,78 | 3,7 | 9,84 |
| 08/24/2023 | 3,72 | 3,75 | 3,76 | 3,72 | 6,32 |
| 08/25/2023 | 3,76 | 3,72 | 3,76 | 3,7 | 5,64 |
| 08/28/2023 | 3,78 | 3,79 | 3,8 | 3,76 | 4,54 |
| 08/29/2023 | 3,76 | 3,78 | 3,8 | 3,76 | 4,02 |
| 08/30/2023 | 3,74 | 3,79 | 3,79 | 3,74 | 6,86 |
| 08/31/2023 | 3,67 | 3,74 | 3,76 | 3,67 | 17,6 |
| 09/13/2023 | 3,59 | 3,63 | 3,63 | 3,57 | 7,89 |
| 09/14/2023 | 3,56 | 3,58 | 3,61 | 3,56 | 7,98 |
| 09/15/2023 | 3,5 | 3,55 | 3,57 | 3,5 | 19,5 |
| 09/18/2023 | 3,47 | 3,5 | 3,52 | 3,46 | 11,04 |
| 09/19/2023 | 3,58 | 3,49 | 3,63 | 3,48 | 12,15 |
| 09/20/2023 | 3,63 | 3,58 | 3,67 | 3,57 | 12,09 |
| 09/21/2023 | 3,77 | 3,63 | 3,78 | 3,58 | 24,63 |
| 09/22/2023 | 3,85 | 3,77 | 3,89 | 3,75 | 24,11 |
| 09/25/2023 | 3,82 | 3,86 | 3,89 | 3,79 | 10,97 |
| 09/26/2023 | 3,82 | 3,8 | 3,82 | 3,77 | 11,44 |
| 09/27/2023 | 3,77 | 3,82 | 3,82 | 3,72 | 9,96 |
| 09/29/2023 | 3,74 | 3,77 | 3,78 | 3,69 | 10,78 |
| 10/13/2023 | 3,65 | 3,61 | 3,66 | 3,61 | 5,58 |
| 10/16/2023 | 3,65 | 3,66 | 3,67 | 3,62 | 5,6 |
| 10/17/2023 | 3,83 | 3,65 | 3,84 | 3,63 | 21,6 |
| 10/18/2023 | 3,82 | 3,83 | 3,84 | 3,76 | 9,69 |
| 10/19/2023 | 3,81 | 3,8 | 3,85 | 3,77 | 8,88 |
| 10/20/2023 | 3,86 | 3,81 | 3,88 | 3,73 | 16,11 |
| 10/23/2023 | 3,84 | 3,86 | 3,86 | 3,76 | 7,7 |
| 10/24/2023 | 3,99 | 3,83 | 4 | 3,79 | 29,82 |
| 10/25/2023 | 4,08 | 4 | 4,1 | 4 | 27,55 |
| 10/26/2023 | 3,98 | 4,05 | 4,05 | 3,96 | 19,25 |
| 10/27/2023 | 3,98 | 3,98 | 4,07 | 3,95 | 19,67 |
| 10/30/2023 | 3,79 | 3,97 | 3,97 | 3,72 | 26,31 |
| 10/31/2023 | 3,62 | 3,79 | 3,82 | 3,62 | 26,5 |
| 11/13/2023 | 3,53 | 3,59 | 3,59 | 3,51 | 9,89 |
| 11/14/2023 | 3,48 | 3,51 | 3,52 | 3,47 | 13,58 |
| 11/15/2023 | 3,43 | 3,5 | 3,53 | 3,41 | 30,58 |
| 11/16/2023 | 3,46 | 3,44 | 3,46 | 3,42 | 11,95 |
| 11/17/2023 | 3,47 | 3,47 | 3,47 | 3,42 | 13,56 |
| 11/20/2023 | 3,46 | 3,47 | 3,47 | 3,42 | 5,7 |
| 11/21/2023 | 3,48 | 3,46 | 3,49 | 3,43 | 11,47 |
| 11/22/2023 | 3,5 | 3,48 | 3,52 | 3,45 | 16,97 |
| 11/23/2023 | 3,54 | 3,51 | 3,58 | 3,5 | 16,67 |
| 11/24/2023 | 3,53 | 3,55 | 3,58 | 3,52 | 5,31 |
| 11/27/2023 | 3,52 | 3,53 | 3,55 | 3,5 | 11,94 |
| 11/28/2023 | 3,6 | 3,52 | 3,64 | 3,52 | 13,64 |
| 11/29/2023 | 3,63 | 3,6 | 3,64 | 3,56 | 9,79 |
| 11/30/2023 | 3,65 | 3,63 | 3,65 | 3,57 | 40,88 |
| 12/13/2023 | 3,45 | 3,43 | 3,46 | 3,4 | 5,87 |
| 12/14/2023 | 3,4 | 3,45 | 3,45 | 3,4 | 9,55 |
| 12/15/2023 | 3,5 | 3,4 | 3,5 | 3,33 | 24,91 |
| 12/18/2023 | 3,41 | 3,48 | 3,48 | 3,38 | 10,58 |
| 12/19/2023 | 3,43 | 3,41 | 3,44 | 3,38 | 6,94 |
| 12/20/2023 | 3,46 | 3,43 | 3,52 | 3,42 | 15,67 |
| 12/21/2023 | 3,47 | 3,47 | 3,48 | 3,44 | 4,5 |
| 12/22/2023 | 3,47 | 3,47 | 3,49 | 3,44 | 6,67 |
| 12/27/2023 | 3,47 | 3,47 | 3,52 | 3,45 | 8,12 |
| 12/28/2023 | 3,54 | 3,5 | 3,57 | 3,5 | 12,31 |
| 12/29/2023 | 3,53 | 3,54 | 3,55 | 3,5 | 6 |
| 01/02/2024 | 3,55 | 3,53 | 3,55 | 3,5 | 6 |
| 01/03/2024 | 3,53 | 3,55 | 3,56 | 3,52 | 3,25 |
| 01/04/2024 | 3,52 | 3,53 | 3,56 | 3,52 | 6,94 |
| 01/05/2024 | 3,52 | 3,54 | 3,58 | 3,52 | 7,58 |
| 01/08/2024 | 3,48 | 3,53 | 3,56 | 3,47 | 7,22 |
| 01/09/2024 | 3,43 | 3,48 | 3,49 | 3,42 | 6,68 |
| 01/10/2024 | 3,41 | 3,43 | 3,48 | 3,41 | 12,28 |
| 01/11/2024 | 3,41 | 3,45 | 3,45 | 3,41 | 3,29 |
| 01/12/2024 | 3,47 | 3,43 | 3,48 | 3,41 | 8,75 |
| 01/15/2024 | 3,43 | 3,47 | 3,48 | 3,43 | 7,95 |
| 01/16/2024 | 3,41 | 3,43 | 3,47 | 3,41 | 5,86 |
| 01/17/2024 | 3,32 | 3,44 | 3,44 | 3,31 | 30,69 |
| 01/18/2024 | 3,3 | 3,33 | 3,34 | 3,29 | 14,86 |
| 01/19/2024 | 3,24 | 3,3 | 3,3 | 3,21 | 15,82 |
| 01/22/2024 | 3,12 | 3,22 | 3,24 | 3,12 | 22,07 |
| 01/23/2024 | 3,18 | 3,14 | 3,2 | 3,13 | 17,21 |
| 01/24/2024 | 3,2 | 3,18 | 3,22 | 3,15 | 8,52 |
| 01/25/2024 | 3,16 | 3,19 | 3,2 | 3,15 | 11,17 |
| 01/26/2024 | 3,16 | 3,16 | 3,17 | 3,13 | 5,35 |
| 01/29/2024 | 3,08 | 3,16 | 3,16 | 3,07 | 13,85 |
| 01/30/2024 | 3,13 | 3,08 | 3,13 | 3,01 | 26,09 |
| 01/31/2024 | 3,1 | 3,13 | 3,15 | 3,1 | 18,46 |
| 02/01/2024 | 3,1 | 3,1 | 3,13 | 3,09 | 12,76 |
| 02/02/2024 | 3,17 | 3,1 | 3,2 | 3,1 | 18,04 |
| 02/05/2024 | 3,2 | 3,19 | 3,24 | 3,18 | 16,18 |
| 02/06/2024 | 3,25 | 3,22 | 3,27 | 3,17 | 14,52 |
| 02/07/2024 | 3,27 | 3,25 | 3,28 | 3,24 | 12,54 |
| 02/12/2024 | 2,92 | 3,17 | 3,17 | 2,92 | 82,25 |
| 02/13/2024 | 2,8 | 2,92 | 2,93 | 2,8 | 56,55 |
| 02/15/2024 | 2,93 | 2,86 | 2,94 | 2,83 | 37,99 |
| 02/16/2024 | 2,83 | 2,93 | 2,94 | 2,83 | 22,77 |

**Lampiran 10 Tabulasi data abnormal return Perusahaan di bursa efek Indonesia**

|  |  |  |
| --- | --- | --- |
| PERUSAHAAN | AR SEBELUM 100 HARI | AR SESUDAH 100 HARI |
| MAPI | -0,00235084 | -0,00088828 |
| MTDL | -0,00021069 | 0,00025802 |
| PZZA | -0,00148429 | -0,00345090 |
| KLBF | -0,00137203 | 0,00359529 |
| FAST | 0,00026032 | 0,00138512 |
| MAPB | -0,00045624 | 0,00132704 |
| ERRA | -443,88757428 | -400,85566764 |
| ADES | -0,00246601 | 0,00242364 |
| UNVR | 0,00005893 | 0,00559892 |

**Lampiran 11 Tabulasi data volume activity Perusahaan di bursa efek Indonesia**

|  |  |  |
| --- | --- | --- |
| PERUSAHAAN | VOLUME SEBELUM 100 | VOLUME SESUDAH 100 |
| MAPI | 22460375 | 24920178,57 |
| MTDL | 20512036,38 | 3627044,643 |
| PZZA | 236291,625 | 22289871,07 |
| KLBF | 31140125 | 44443571,43 |
| FAST | 16957,5 | 7321,428571 |
| MAPB | 20130 | 14485,41667 |
| ERRA | 50199875 | 38451250 |
| ADES | 113728750 | 164846428,6 |
| UNVR | 12728125 | 15295357,14 |

**Lampiran 12 Hasil uji Statistik Deskriptif abnormal return**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Descriptive Statistics** | | | | | |
|  | N | Minimum | Maximum | Mean | Std. Deviation |
| AR SETELAH 100 HARI | 9 | -400.85567 | .00560 | -44.5383799 | 133.61898294 |
| AR SEBELUM 100 HARI | 9 | -443.88757 | .00026 | -49.3217328 | 147.96219056 |
| Valid N (listwise) | 9 |  |  |  |  |

**Lampiran 13 Hasil uji Statistik Deskriptif Trading volume activity**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Descriptive Statistics** | | | | | |
|  | N | Minimum | Maximum | Mean | Std. Deviation |
| VOLUME SEBELUM 100 HARI | 9 | 16957.50000 | 113728750.00000 | 27893629.5000000 | 36243527.15547226 |
| VOLUME SESUDAH 100 HARI | 9 | 7321.42857 | 164846428.57143 | 34877278.6970900 | 51289875.79876999 |
| Valid N (listwise) | 9 |  |  |  |  |

**Lampiran 14 Hasil uji Normalitas abnormal return**

|  |  |  |  |
| --- | --- | --- | --- |
| **One-Sample Kolmogorov-Smirnov Test** | | | |
|  | | AR SEBELUM 100 HARI | AR SETELAH 100 HARI |
| N | | 9 | 9 |
| Normal Parametersa,b | Mean | -49.3217328 | -44.5383799 |
| Std. Deviation | 147.96219056 | 133.61898294 |
| Most Extreme Differences | Absolute | .519 | .519 |
| Positive | .369 | .369 |
| Negative | -.519 | -.519 |
| Test Statistic | | .519 | .519 |
| Asymp. Sig. (2-tailed) | | .000c | .000c |
| a. Test distribution is Normal. | | | |
| b. Calculated from data. | | | |
| c. Lilliefors Significance Correction. | | | |

**Hasil uji Normalitas *Trading volume activity***

|  |  |  |  |
| --- | --- | --- | --- |
| **One-Sample Kolmogorov-Smirnov Test** | | | |
|  | | VOLUME SEBELUM 100 HARI | VOLUME SESUDAH 100 HARI |
| N | | 9 | 9 |
| Normal Parametersa,b | Mean | 27893629.5000000 | 34877278.6970899 |
| Std. Deviation | 36243527.15547226 | 51289875.79877000 |
| Most Extreme Differences | Absolute | .242 | .315 |
| Positive | .242 | .315 |
| Negative | -.221 | -.248 |
| Test Statistic | | .242 | .315 |
| Asymp. Sig. (2-tailed) | | .137c | .010c |
| a. Test distribution is Normal. | | | |
| b. Calculated from data. | | | |
| c. Lilliefors Significance Correction. | | | |

**Hasil uji *Wilcoxon Signed Ranks Test abnormal return***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Ranks** | | | | |
|  | | N | Mean Rank | Sum of Ranks |
| AR SETELAH 100 HARI - AR SEBELUM 100 HARI | Negative Ranks | 1a | 5.00 | 5.00 |
| Positive Ranks | 8b | 5.00 | 40.00 |
| Ties | 0c |  |  |
| Total | 9 |  |  |
| a. AR SETELAH 100 HARI < AR SEBELUM 100 HARI | | | | |
| b. AR SETELAH 100 HARI > AR SEBELUM 100 HARI | | | | |
| c. AR SETELAH 100 HARI = AR SEBELUM 100 HARI | | | | |

|  |  |
| --- | --- |
| **Test Statisticsa** | |
|  | AR SETELAH 100 HARI - AR SEBELUM 100 HARI |
| Z | -2.073b |
| Asymp. Sig. (2-tailed) | .038 |
| a. Wilcoxon Signed Ranks Test | |
| b. Based on negative ranks. | |

**Hasil uji *Wilcoxon Signed Ranks Test Trading volume activity***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Ranks** | | | | |
|  | | N | Mean Rank | Sum of Ranks |
| VOLUME SESUDAH 100 HARI - VOLUME SEBELUM 100 HARI | Negative Ranks | 4a | 3.75 | 15.00 |
| Positive Ranks | 5b | 6.00 | 30.00 |
| Ties | 0c |  |  |
| Total | 9 |  |  |
| a. VOLUME SESUDAH 100 HARI < VOLUME SEBELUM 100 HARI | | | | |
| b. VOLUME SESUDAH 100 HARI > VOLUME SEBELUM 100 HARI | | | | |
| c. VOLUME SESUDAH 100 HARI = VOLUME SEBELUM 100 HARI | | | | |

|  |  |
| --- | --- |
| **Test Statisticsa** | |
|  | VOLUME SESUDAH 100 HARI - VOLUME SEBELUM 100 HARI |
| Z | -.889b |
| Asymp. Sig. (2-tailed) | .374 |
| a. Wilcoxon Signed Ranks Test | |
| b. Based on negative ranks. | |