DAFTAR PUSTAKA

[1] J. Riset and A. Terpadu, "PENGARUH CURRENT RASIO DAN DEBT TO EQUITY RATIO TERHADAP HARGA SAHAM DI PERUSAHAAN FOOD AND BEVERAGE YANG TERDAFTAR DI BURSA EFEK INDONESIA PERIODE 2013-2017," 2018.

[2] I. Irwanto, Y. R. Edward, and S. H. Teng, "Factor Affecting Firm Value with Profitability as an Intervening Variable in Food & Beverage Sub-Sector Companies Listed on the Indonesia Stock Exchange," *International Journal of Social Science Research and Review*, vol. 6, no. 2, pp. 54–67, Jan. 2023, doi: 10.47814/ijssrr.v6i2.846.

[3] N. Nyoman and J. Nuryani, "Triggers For Stock Prices In Manufacturing Companies In The Food and Beverages Sector On The Indonesia Stock Exchange," *International Journal of Social Science and Business*, vol. 5, no. 4, pp. 468–474, 2021, [Online]. Available: www.idx.co.id

[4] S. R. Bentes, "How COVID-19 has affected stock market persistence? Evidence from the G7's," *Physica A: Statistical Mechanics and its Applications*, vol. 581, Nov. 2021, doi: 10.1016/j.physa.2021.126210.

[5] H. P H and A. Rishad, "An empirical examination of investor sentiment and stock market volatility: evidence from India," *Financial Innovation*, vol. 6, no. 1, Dec. 2020, doi: 10.1186/s40854-020-00198-x.

[6] N. Marz and J. Warren, *Big Data: Principles and Best Practices of Scalable Realtime Data Systems*. Manning Publications, 2015.

[7] M. Zaharia and others, "Apache Spark: A unified engine for big data processing," *Commun. ACM*, vol. 59, no. 11, pp. 56–65, 2016.

[8] Apache Software Foundation, "Apache Airflow Documentation," 2023.

[9] K. Chen, Y. Zhou, and F. Dai, "A LSTM-based method for stock returns prediction," *Neural Comput. Appl.*, vol. 32, pp. 1579–1593, 2020.

[10] Y. Baek and H. Y. Kim, "ModAugNet: A new forecasting framework for stock prices using LSTM," *Expert Syst. Appl.*, vol. 117, pp. 143–153, 2019.

[11] O. B. Sezer, A. M. Ozbayoglu, and E. Dogdu, "Financial *time series* forecasting with deep learning: A systematic literature review," *Appl. Soft Comput.*, vol. 90, p. 106181, 2020.

[12] Bursa Efek Indonesia, "Mengenal Pasar Modal," 2023, *BEI, Jakarta*.

[13] N. N. A. Muis, M. Ali, and M. Nohong, "Swot Analysis of PT. Indofood Sukses Makmur TBK," *Paulus Journal of Accounting (PJA)*, vol. 5, no. 1, pp. 179–184, 2023.

[14] N. Fitriani, A. Minanurohman, and G. L. Firmansah, "Financial ratio analysis in stock price: Evidence from Indonesia," *JASET*, vol. 14, no. 2, pp. 285–296, 2022, doi: 10.17509/jaset.v14i2.49132.

[15] T. M. Mitchell, *Machine Learning*. New York: McGraw-Hill, 1997.

[16] C. M. Bishop, *Pattern Recognition and Machine Learning*. New York: Springer, 2006.

[17] Z. F. Afidria and D. A. Prasetya, "Klasterisasi tingkat kesejahteraan masyarakat menggunakan metode self organizing maps dengan particle swarm optimization," vol. 11, no. 1, pp. 359–368, 2026.

[18] Y. LeCun, Y. Bengio, and G. Hinton, “Deep learning,” *Nature*, vol. 521, no. 7553, pp. 436–444, May 2015, doi: 10.1038/nature14539.
[19] I. Goodfellow, Y. Bengio, and A. Courville, *Deep Learning*. Cambridge, MA: MIT Press, 2016.
[20] M. Nabipour, P. Nayyeri, H. Jabani, S. S., and A. Mosavi, “Predicting Stock Market Trends Using Machine Learning and Deep Learning Algorithms Via Continuous and Binary Data,” *IEEE Access*, vol. 8, pp. 150199–150212, 2020, doi: 10.1109/ACCESS.2020.3015966.
[21] B. Harenslak and J. De Ruiter, “Data Pipelines with Apache Airflow.”
[22] P. O’Donovan, K. Leahy, K. Bruton, and D. T. J. O’Sullivan, “An industrial IoT platform for data pipeline management in manufacturing,” *J. Ind. Inf. Integr.*, vol. 7, pp. 1–11, 2017.
[23] H. K. I. Mnsen and others, “Implementasi Apache Spark dalam Arsitektur Data Pipeline untuk Sistem Informasi Akademik,” *Jurnal Teknologi Informasi*, vol. 10, no. 2, pp. 45–54, 2022.
[24] Wibowo and others, “Penerapan Data Pipeline pada E-Commerce UMKM Menggunakan Apache Airflow,” *Jurnal Sistem Informasi*, vol. 8, no. 1, pp. 12–21, 2023.
[25] R. J. Hyndman and G. Athanasopoulos, *Forecasting: Principles and Practice*, 3rd ed. Melbourne: OTexts, 2021.
[26] J. J. Murphy, *Technical Analysis of the Financial Markets*. New York: New York Institute of Finance, 1999.
[27] M. Nabipour and others, “Predicting Stock Market Trends,” *IEEE Access*, vol. 8, pp. 150199–150212, 2020, doi: 10.1109/ACCESS.2020.3015966.
[28] W. W. S. Wei, *Time series Analysis: Univariate and Multivariate Methods*, 2nd ed. Boston, MA: Pearson, 2006.
[29] C. Chatfield, *The Analysis of Time series: An Introduction with R*, 7th ed. Boca Raton, FL: CRC Press, 2019.
[30] G. E. P. Box, G. M. Jenkins, G. C. Reinsel, and G. M. Ljung, *Time series Analysis: Forecasting and Control*, 5th ed. Hoboken, NJ: Wiley, 2015.
[31] S. Hochreiter and J. Schmidhuber, “Long short-term memory,” *Neural Comput.*, vol. 9, no. 8, pp. 1735–1780, Nov. 1997, doi: 10.1162/neco.1997.9.8.1735.
[32] G. Van Houdt, C. Mosquera, and G. Nápoles, “A review on the long short-term memory model,” *Artif. Intell. Rev.*, 2020, doi: 10.1007/s10462-020-09838-1.
[33] D. P. Kingma and J. Ba, “Adam: A Method for Stochastic Optimization,” in *Proc. ICLR 2015*, San Diego, CA, 2015.
[34] R. Rudiansyah, A. F. Nashrullah, and D. A. Prasetya, “Peramalan Kasus Tuberkulosis dan Pneumonia di Provinsi Jawa Timur untuk Tahun 2025 – 2026 Menggunakan Model ARIMA,” no. November 2025, pp. 1–14, 2026.
[35] F. Chollet, *Deep Learning with Python*, 2nd ed. Shelter Island, NY: Manning Publications, 2021.
[36] N. Srivastava, G. Hinton, A. Krizhevsky, I. Sutskever, and R. Salakhutdinov, “Dropout: A Simple Way to Prevent Neural Networks from Overfitting,” *Journal of Machine Learning Research*, vol. 15, pp. 1929–1958, 2014.

[37] D. Masters and C. Luschi, “Revisiting Small Batch Training for Deep Neural Networks,” *arXiv preprint arXiv:1804.07612*, 2018.
[38] D. P. Kingma and J. Ba, “Adam: A Method for Stochastic Optimization,” Jan. 2017, [Online]. Available: http://arxiv.org/abs/1412.6980
[39] Allan Ruhui Fatmah Sari, Dwi Arman Prasetya, and Trimono, “Forecasting Stock Prices Using a Nonlinear Approach with the Exponential Smooth Transition Autoregressive (ESTAR) Model,” *J Statistika: Jurnal Ilmiah Teori dan Aplikasi Statistika*, vol. 18, no. 1, pp. 808–818, 2025, doi: 10.36456/jstat.vol18.no1.a10213.
[40] I. N. Switrayana, D. Ashadi, H. Hairani, and A. Aminuddin, “Comparative Analysis of Stock Price Prediction Using Deep Learning with Data Scaling Method,” *Jurnal Teknologi Informasi dan Multimedia*, vol. 7, no. 1, pp. 78–90, 2025, doi: 10.35746/jtim.v7i1.650.
[41] R. J. Hyndman and G. Athanasopoulos, *Forecasting: Principles and Practice*, 3rd ed. Melbourne: OTexts, 2021.
[42] J. Bergstra and Y. Bengio, “Random Search for Hyper-Parameter Optimization,” *Journal of Machine Learning Research*, vol. 13, pp. 281–305, Feb. 2012.
[43] L. Yang and A. Shami, “On Hyperparameter Optimization of Machine Learning Algorithms: Theory and Practice,” *Neurocomputing*, vol. 415, pp. 295–316, Nov. 2020, doi: 10.1016/j.neucom.2020.07.061.
[44] F. Tfaily and M. M. Fouad, “Multi-level stacking of LSTM recurrent models for predicting stock-market indices,” *Data Science in Finance and Economics*, vol. 2, no. 2, pp. 147–162, 2022, doi: 10.3934/DSFE.2022007.
[45] H. N. Bhandari, B. Rimal, N. R. Pokhrel, R. Rimal, K. R. Dahal, and R. K. C. Khatri, “Predicting stock market index using LSTM,” *Machine Learning with Applications*, vol. 9, p. 100320, 2022, doi: 10.1016/j.mlwa.2022.100320.
[46] M. Ayitey Junior and others, “Forex market forecasting with two-layer stacked LSTM and correlation analysis,” *Journal of Electrical Systems and Information Technology*, vol. 9, no. 14, 2022, doi: 10.1186/s43067-022-00054-1.
[47] X. Meng and others, “MLlib: Machine Learning in Apache Spark,” *Journal of Machine Learning Research*, vol. 17, no. 34, pp. 1–7, 2016.
[48] M. Zaharia and others, “Resilient Distributed Datasets: A Fault-Tolerant Abstraction for In-Memory Cluster Computing,” in *USENIX NSDI*, 2012.
[49] Various, “Big Data Processing Using Apache Spark in Data Pipeline,” *International Journal of Data Engineering*, 2022.
[50] R. Obe and L. Hsu, *PostgreSQL: Up and Running*. O’Reilly Media, 2020.
[51] Various, “Using PostgreSQL in Data Pipeline Architecture,” *Journal of Database Systems*, 2021.
[52] Various, “Workflow Orchestration Using Apache Airflow,” *Journal of Data Engineering*, 2022.
[53] R. Aroussi, “yfinance: Download market data from Yahoo! Finance,” 2019.
[54] yfinance, “API Reference,” 2024.

[55] A. G. Saputra and others, “Indofood CBP Sukses Makmur Tbk Stock Price Prediction Using LSTM,” *International Journal of Global Operations Research*, vol. 6, no. 1, pp. 1–5, 2025.
[56] R. Caraka and others, “Data Science Approach to Stock Prices Forecasting in Indonesia during Covid-19 using LSTM,” *J. Big Data*, vol. 8, no. 1, p. 47, 2021, doi: 10.1186/s40537-021-00430-0.
[57] A. Treveil and others, *Introducing MLOps*. Sebastopol, CA: O’Reilly Media, 2020.
[58] Streamlit, “Streamlit Documentation,” 2024.
[59] Apache Airflow, “MLOps Orchestration with Apache Airflow,” 2024.