

DAFTAR PUSTAKA

- Adiyaksa, A. D. (2023). Perbandingan Metode Multivariatif GRU dan VAR Berdasarkan Sentimen Investor dan Nilai Kurs Dollar Untuk Prediksi Harga Saham. *Innovative: Journal Of Social Science Research*, 3(6), 10238 - 10257. Retrieved from <http://jinnovative.org/index.php/Innovative/article/view/7794>
- Agrawal M, Shukla PK, Nair R, Nayyar A, Masud M. 2022. Stock prediction based on technical indicators using *deep learning* model. *Computer, Materials & Continua*. 70(1):287–304.
- Andriyanto F, Wahyudi M. 2023. Implementasi *Long Short-Term Memory* untuk prediksi harga saham sektor perbankan di Bursa Efek Indonesia. *Jurnal Teknologi Informasi dan Komunikasi*. 8(2):145–158.
- Aziz, A. (2024) *Prediksi Harga Saham Menggunakan Kombinasi Algoritma Lstm Dengan Gru Pada Saham Terindeks LQ45*. *UMB Repository*. Retrieved from <https://repository.mercubuana.ac.id/90440/>
- Budiprasetyo, G., Hani'ah, M., Aflah,D.Z. (2023) Prediksi Harga Saham Syariah Menggunakan Algoritma Long Short-Term Memory (LSTM). *Teknosi fti unand*. Retrieved from <https://teknosi.fti.unand.ac.id/index.php/teknosi/article/view/2142>
- Chen S, Zhou C. 2021. Financial *time series* forecasting using ensemble *deep learning* approach. *Applied Soft Computing*. 108:107449.
- Dewi NK, Santoso B. 2022. Analisis performa model *deep learning* untuk prediksi indeks harga saham gabungan menggunakan technical indicators. *Jurnal Sistem Informasi*. 18(1):23–35.
- Fischer T, Krauss C. 2018. *deep learning* with *Long Short-Term Memory* networks for financial market predictions. *European Journal of Operational Research*. 270(2):654–669.
- Gao Y, Wang R, Zhou E. 2021. Stock prediction based on optimized LSTM and GRU models. *Scientific Programming*. 2021:1–8.
- Gers FA, Schmidhuber J, Cummins F. 2000. Learning to forget: Continual prediction with LSTM. *Neural Computation*. 12(10):2451–2471.
- GuruFocus. 2025. Buffett indicator: Indonesia stock market valuations and forecasts. Diakses dari <https://www.gurufocus.com/global-market-valuation.php?country=IDN>
- Hermawan A. 2021. Penerapan metode Gated Recurrent Unit (GRU) untuk prediksi harga saham PT Telekom Indonesia Tbk. [Skripsi]. Jakarta: Universitas Pembangunan Nasional Veteran Jakarta.
- Hochreiter S, Schmidhuber J. 1997. *Long Short-Term Memory*. *Neural Computation*. 9(8):1735–1780.

- Hu Z, Zhao Y, Khushi M. 2021. A survey of forex and stock price prediction using *deep learning*. *Applied System Innovation*. 4(1):9.
- Hussain A, Rahman M, Memon JA. 2021. Forecasting electricity consumption in Pakistan: The way forward. *Energy Policy*. 90:73–80
- Indonesia Stock Exchange. 2023. Statistical Report: Mining Sector Performance Analysis. *IDX Statistics*. Jakarta: PT Bursa Efek Indonesia.
- Jaya MK, Sari DP. 2020. Perbandingan algoritma *machine learning* untuk prediksi pergerakan harga saham sektor pertambangan. *JATISI (Jurnal Teknik Informatika dan Sistem Informasi)*. 7(3):445–456.
- Julian, R., Pribadi, M.R. (2021) Peramalan Harga Saham Pertambangan Pada Bursa Efek Indonesia (BEI) Menggunakan Long Short Term Memory (LSTM). *JATISI (Jurnal Teknik Informatika dan Sistem Informasi)*. Retrieved from <https://jurnal.mdp.ac.id/index.php/jatisi/article/view/1159/405>
- Karpathy A, Johnson J, Fei-Fei L. 2016. Visualizing and understanding recurrent networks. *arXiv preprint*. arXiv:1506.02078.
- Kisman Z, Restiyanita SM. 2015. The predictability of stock market *returns* in Indonesia: an empirical study. *Journal of Indonesian Economy and Business*. 30(3):272–282.
- Nurmawati, E., Abyasa, R., Putra, R.A. (2025) Optimalisasi Portofolio Saham Syariah Berbasis Prediksi Menggunakan Long Short-Term Memory (LSTM). *Electronic Journal Politeknik Harapan Bersama Tegal*. Retrieved from <http://ejournal.poltekharber.ac.id/index.php/informatika/article/view/8421>
- Lu W, Li J, Li Y, Sun A, Wang J. 2020. Short-term stock market price trend prediction using a comprehensive *deep learning* system. *Journal of Big Data*. 7(1):99.
- Malik MB, Ghani MU, Ahmad M. 2021. Stock market prediction using *machine learning* techniques: A decade survey on methodologies, recent developments, and future directions. *Electronics*. 10(21):2717.
- Nabipour M, Nayyeri P, Jabani H, Mosavi A, Salwana E. 2020. *deep learning* for stock market prediction. *Entropy*. 22(8):840.
- Nelson DMQ, Pereira ACM, de Oliveira RA. 2017. Stock market's price movement prediction with LSTM neural networks. *International Joint Conference on Neural Networks (IJCNN)*. 2017:1419–1426.
- Nugroho AS. 2022. Implementasi metode LSTM dan GRU dalam prediksi harga saham sektor energi di Indonesia. [Skripsi]. Jakarta: Universitas Pembangunan Nasional Veteran Jakarta.

Patel, J., Shah, S., Thakkar, P., & Kotecha, K. (2022). Predicting stock market index using LSTM. *International Journal of Business Forecasting*, 11(1), 45–63.

Persio LD, Honchar O. 2016. Artificial neural networks architectures for stock price prediction: comparisons and applications. *International Journal of Circuits, Systems and Signal Processing*. 10:403–413.

Pratama, N.I. (2023) Prediksi Harga Saham Pada Indeks Kompas100 Menggunakan Bidirectional Long Short-Term Memory Dengan Faktor Foreign Flow. *Repository Universitas Kristen Duta Wacana*. Retrieved from <https://repository.ukdw.ac.id/8055/>

Pratama R, Wijaya A. 2023. *feature engineering* optimization for cryptocurrency price prediction using *deep learning* approach. *Indonesian Journal of Computing and Cybernetics Systems*. 17(2):189–200.

Proceedings of the 2024 International Conference on Cloud Computing and Big Data. 2024. Hybrid LSTM-GRU model performance in stock price forecasting. *IEEE Conference Proceedings*. 2024:234–241.

Puteri, D.I. (2023) Implementasi Long Short Term Memory (LSTM) dan Bidirectional Long Short Term Memory (BiLSTM) Dalam Prediksi Harga Saham Syariah. *Semantic scholar*.

Putra DA, Rosmawarni N. 2023. Analisis sentimen media sosial untuk prediksi harga saham menggunakan kombinasi LSTM dan CNN. [Skripsi]. Jakarta: Universitas Pembangunan Nasional Veteran Jakarta.

Radfar E. 2025. Stock market trend prediction using deep neural network via chart analysis: a practical method or a myth? *Humanities and Social Sciences Communications*. 12:992.

Rahman MM, Islam MN, Ahmed K. 2019. *machine learning* approaches for stock price prediction in emerging markets. *Emerging Markets Finance and Trade*. 55(8):1787–1799.

Ripto, J.A. (2022) Penerapan Gated Recurrent Unit untuk Prediksi Pergerakan Harga Saham pada Bursa Efek Indonesia. *Repository ithb*. Retrieved from <https://repository.ithb.ac.id/id/eprint/38/>

Saberironaghi A, Ren J, El-Gindy N. 2025. Stock market prediction using *machine learning* and *deep learning* techniques: A review. *AppliedMath*. 5(3):79.

Santoso B, Cholil W. 2022. Optimasi hyperparameter neural network untuk prediksi *return* saham menggunakan Bayesian optimization. *Jurnal Informatika*. 16(1):67–78.

Sezer OB, Gudelek MU, Ozbayoglu AM. 2021. Applications of *deep learning* in stock market prediction: Recent progress. *Expert Systems with Applications*. 173:114932.

Shah D, Isah H, Zulkernine F. 2019. Stock market analysis: A review and taxonomy of prediction techniques. *International Journal of Financial Studies*. 7(2):26.

Shen J, Shafiq MO. 2020. Short-term stock market price trend prediction using a comprehensive *deep learning* system. *Journal of Big Data*. 7(1):99.

Siarni-Namini S, Tavakoli N, Namin AS. 2018. A comparison of ARIMA and LSTM in forecasting *time series*. *17th IEEE International Conference on machine learning and Applications (ICMLA)*. 2018:1394–1401.

Simatupang, C.G.K., Swastika,W., Suganda, T. R., (2022) Perancangan Aplikasi Berbasis Web Untuk Prediksi Harga Saham Dengan Metode Lstm. *Sainsbertek Jurnal Ilmiah Sains & Teknologi*. Retrieved from <https://sainsbertek.machung.ac.id/index.php/sbtek/article/view/212>

Statista. 2025. Artificial Intelligence - Indonesia Market Forecast. Diakses dari <https://www.statista.com/outlook/tmo/artificial-intelligence/indonesia>

Sutskever I, Vinyals O, Le QV. 2014. Sequence to sequence learning with neural networks. *Advances in Neural Information Processing Systems*. 27:3104–3112.

Tanudy, C., Handhayani, T., Hendryl,J. (2023) Prediksi Harga Emas di Indonesia Menggunakan Gated Recurrent Unit. *Jurnal FASILKOM (teknologi inFormASi dan Ilmu KOMputer) Universitas Muhammadiyah Riau*. Retrieved from <https://ejurnal.umri.ac.id/index.php/JIK/article/view/6185>

Teixeira DM, Barbosa RS. 2025. Stock price prediction in the financial market using *machine learning* models. *Computation*. 13(1):3.

Thakkar A, Chaudhari K. 2021. Fusion in stock market prediction: A decade survey on the necessity, recent developments, and potential future directions. *Information Fusion*. 65:95–107.

Valiant, K. ., Lukito, Y. ., & Santosa, R. G. . (2021). Sistem Prediksi Harga Saham LQ45 Dengan Random Forest Classifier. *Jurnal Terapan Teknologi Informasi*, 3(2), 127–136. Retrieved from <https://jutei.ukdw.ac.id/index.php/jurnal/article/view/187>

Wibowo A, Hadi NT. 2021. Prediksi harga saham menggunakan metode Recurrent Neural Network dengan optimasi Adam. [Skripsi]. Jakarta: Universitas Pembangunan Nasional Veteran Jakarta.

Widodo A, Budi I, Fanany MI. 2019. *machine learning* in finance: A comprehensive review of algorithmic trading and risk management. *International Journal of Advanced Computer Science and Applications*. 10(8):234–245.

Yijing Huang & Vakharia, V. (2024). Deep Learning-Based Stock Market Prediction and Investment Model for Financial Management. *Journal of Organizational and End User Computing*, 36(1), 1–22. <https://doi.org/10.4018/JOEUC.340383>

Yongchareon S. 2025. AI-driven intelligent financial forecasting: A comparative study of advanced *deep learning* models for long-term stock market prediction. *machine learning and Knowledge Extraction*. 7(3):91.

Yudhawan, D.H. (2020) IMPLEMENTASI SUPPORT VECTOR REGRESSION UNTUK PERAMALAN HARGA SAHAM PERUSAHAAN PERTAMBANGAN DI INDONESIA. *DSpace Universitas Islam Indonesia*. Retrieved from <https://dspace.uui.ac.id/handle/123456789/28082>

Zhang J, Cui S, Xu Y, Li Q, Li T. 2018. A novel data-driven stock price trend prediction system. *Expert Systems with Applications*. 97:60–69.