

Daftar Isi

- [1] M. Faraz, H. Khaloozadeh, and M. Abbasi, “Stock Market Prediction-by-Prediction Based on Autoencoder Long Short-Term Memory Networks,” in *2020 28th Iranian Conference on Electrical Engineering, ICEE 2020*, 2020.
- [2] P. H. Cootner, *The random character of stock market prices*. 1967.
- [3] G. Ji, J. Yu, K. Hu, J. Xie, and X. Ji, “An adaptive feature selection schema using improved technical indicators for predicting stock price movements,” *Expert Syst. Appl.*, vol. 200, no. May 2021, p. 116941, 2022.
- [4] B. G. Malkiel, “Critics,” vol. 17, no. 1, pp. 59–82, 2003.
- [5] T. Gao, Y. Chai, and Y. Liu, “Applying long short term memory neural networks for predicting stock closing price,” in *2017 8th IEEE International Conference on Software Engineering and Service Science (ICSESS)*, 2017.
- [6] X. Li, P. Wu, and W. Wang, “Incorporating stock prices and news sentiments for stock market prediction: A case of Hong Kong,” *Inf. Process. Manag.*, vol. 57, no. 5, Sep. 2020.
- [7] S. Kumar and D. Ningombam, “Short-Term Forecasting of Stock Prices Using Long Short Term Memory,” in *2018 International Conference on Information Technology (ICIT)*, 2018.
- [8] G. Attanasio, L. Cagliero, P. Garza, and E. Baralis, “Combining news sentiment and technical analysis to predict stock trend reversal,” in *Combining news sentiment and technical analysis to predict stock trend reversal*, 2019, vol. 2019-Novem, pp. 514–521.
- [9] G. Kumar, S. Jain, and U. P. Singh, *Stock Market Forecasting Using Computational Intelligence: A Survey*, vol. 28, no. 3. Springer Netherlands, 2021.
- [10] A. U. Haq, A. Zeb, Z. Lei, and D. Zhang, “Forecasting daily stock trend using

- multi-filter feature selection and deep learning,” *Expert Syst. Appl.*, vol. 168, no. May 2020, p. 114444, 2021.
- [11] G. Sismanoglu, M. A. Onde, F. Kocer, and O. K. Sahingoz, “Deep learning based forecasting in stock market with big data analytics,” *2019 Sci. Meet. Electr. Biomed. Eng. Comput. Sci. EBBT 2019*, pp. 31–34, 2019.
- [12] C. Y. Lai, R.-C. Chen, and R. E. Caraka, “PREDICTION STOCK PRICE BASED ON DIFFERENT INDEX FACTORS USING LSTM,” 2019.
- [13] G. Bathla, “Stock price prediction using LSTM and SVR,” *PDGC 2020 - 2020 6th Int. Conf. Parallel, Distrib. Grid Comput.*, pp. 211–214, 2020.
- [14] D. M. Q. Nelson, A. C. M. Pereira, and R. A. De Oliveira, “Stock market’s price movement prediction with LSTM neural networks,” in *Proceedings of the International Joint Conference on Neural Networks*, 2017, vol. 2017-May, pp. 1419–1426.
- [15] Y. Ji, A. W. C. Liew, and L. Yang, “A Novel Improved Particle Swarm Optimization with Long-Short Term Memory Hybrid Model for Stock Indices Forecast,” *IEEE Access*, vol. 9, pp. 23660–23671, 2021.
- [16] D. C. Yıldırım, I. H. Toroslu, and U. Fiore, “Forecasting directional movement of Forex data using LSTM with technical and macroeconomic indicators,” *Finance. Innov.*, vol. 7, no. 1, pp. 1–36, 2021.
- [17] T. Sanboon, K. Keatruangkamala, and S. Jaiyen, “A deep learning model for predicting buy and sell recommendations in stock exchange of Thailand using long short-term memory,” *2019 IEEE 4th Int. Conf. Comput. Commun. Syst. ICCCS 2019*, pp. 757–760, 2019.
- [18] Y. Liu, Z. Su, H. Li, and Y. Zhang, “An LSTM based classification method for time series trend forecasting,” *Proc. 14th IEEE Conf. Ind. Electron. Appl. ICIEA 2019*, no. 2, pp. 402–406, 2019.
- [19] S. Yao, L. Luo, and H. Peng, “High-frequency stock trend forecast using

- LSTM model,” *13th Int. Conf. Comput. Sci. Educ. ICCSE 2018*, no. Iccse, pp. 293–296, 2018.
- [20] S. Borovkova and I. Tsiamas, “An ensemble of LSTM neural networks for high-frequency stock market classification,” *J. Forecast.*, vol. 38, no. 6, pp. 600–619, 2019.
- [21] E. Studies, “Stock Market Prediction using Artificial Neural Networks. Case Study of TAL1T, Nasdaq OMX Baltic Stock,” *Database Syst. J.*, vol. VI, no. 2, pp. 14–23, 2015.
- [22] P. C. Chang and J. L. Wu, “A critical feature extraction by kernel PCA in stock trading model,” *Soft Comput.*, vol. 19, no. 5, pp. 1393–1408, 2015.
- [23] Y. Wen, P. Lin, and X. Nie, “Research of stock price prediction based on PCA-LSTM model,” *IOP Conf. Ser. Mater. Sci. Eng.*, vol. 790, no. 1, 2020.
- [24] M. Waqar, H. Dawood, M. B. Shahnawaz, M. A. Ghazanfar, and P. Guo, “Prediction of Stock Market by Principal Component Analysis,” *Proc. - 13th Int. Conf. Comput. Intell. Secur. CIS 2017*, vol. 2018-Janua, pp. 599–602, 2018.
- [25] H. Yu, R. Chen, and G. Zhang, “A SVM stock selection model within PCA,” *Procedia Comput. Sci.*, vol. 31, pp. 406–412, 2014.
- [26] Y. Wen, P. Lin, and X. Nie, “Research of stock price prediction based on PCA-LSTM model,” *IOP Conf. Ser. Mater. Sci. Eng.*, vol. 790, no. 1, pp. 4–10, 2020.
- [27] R. B. Wiranata and A. Djunaidy, “The Stock Exchange Prediction using Machine Learning Techniques: A Comprehensive and Systematic Literature Review,” *J. Ilmu Komput. dan Inf.*, vol. 14, no. 2, pp. 91–112, 2021.
- [28] S. Hasna, “Analysis of Blue-Chip Stock Price Movement Before and During the Pandemic Covid-19,” *Int. J. Soc. Manag. ...*, no. 01, pp. 144–157, 2022.
- [29] I. Lubis, S. Syamruddin, and I. Irwansyah, “Mispricing and Investor

- Preference with Six Indicators of Blue-Chip Stocks' Future Returns," *Int. J. Business, Econ. Soc. Dev.*, vol. 1, no. 3, pp. 138–152, 2020.
- [30] N. D. A. Made and B. A. Ida, "Studi Komparatif Kinerja Potofolio Optimal Pada Kelompok Saham Kapitalisasi Besar dan Kapitalisasi Kecil di BEI," *E-Jurnal Ekon. dan Bisnis Univ. Udayana*, vol. 11, no. 8, pp. 1315–1342, 2019.
- [31] L. N. Switzer, "The behaviour of small cap vs. large cap stocks in recessions and recoveries: Empirical evidence for the United States and Canada," *North Am. J. Econ. Financ.*, vol. 21, no. 3, pp. 332–346, 2010.
- [32] E. Stanhope and C. Meredith, "Inefficiency Breeds Opportunity in Small Cap Equities," no. July, pp. 1–7, 2015.
- [33] R. Schabacker, *Technical and Stock Market Analysis Profits "The real bible of technical analysis."* 2005.
- [34] S. Leigh, "Essential Technical Analysis: Tools and techniques to Spot Market Trends," 2002.
- [35] H. Prasetyo, "Penggunaan Technical Analysis dalam Memprediksi Pergerakan Saham untuk Pengambilan Keputusan Investasi Saham," pp. 160–180, 2017.
- [36] M. Michael, *Predict Market Swings with Technical Analysis.* 2002.
- [37] A. Herawati and A. S. Putra, "The influence of fundamental analysis on stock prices: The case of food and beverage industries," *Eur. Res. Stud. J.*, vol. 21, no. 3, pp. 316–326, 2018.
- [38] S. R. Bentes and R. Navas, "The Fundamental Analysis: An Overview," *Int. J Latest Trends Fin. Eco. Sc*, vol. 3, no. 1, pp. 389–393, 2013.
- [39] S. Muhammad, "The Relationship Between Fundamental Analysis and Stock Returns Based on the Panel Data Analysis; Evidence from Karachi Stock exchange (KSE)," *Res. J. Financ. Account. www.iiste.org ISSN*, vol. 9, no. 3, pp. 84–96, 2018.



- [40] B. A. Elbially, “The Effect of Using Technical and Fundamental Analysis on the Effectiveness of Investment Decisions of Traders on the Egyptian Stock Exchange,” *Int. J. Appl. Eng. Res.*, vol. 14, no. 24, pp. 4492–4501, 2019.
- [41] Erni Estika Sukmawati, M. D. AR, and Topowijono, “Analisis Fundamental Dengan Pendekatan Price Earning Ratio Untuk Menilai Kewajaran Harga Saham Dan Keputusan Investasi,” *J. Chem. Inf. Model.*, vol. 53, no. 9, pp. 1689–1699, 2019.
- [42] W. Medhat, A. Hassan, and H. Korashy, “Sentiment analysis algorithms and applications: A survey,” *Ain Shams Eng. J.*, vol. 5, no. 4, pp. 1093–1113, 2014.
- [43] R. Batra and S. M. Daudpota, “Integrating StockTwits with sentiment analysis for better prediction of stock price movement,” *2018 Int. Conf. Comput. Math. Eng. Technol. Inven. Innov. Integr. Socioecon. Dev. iCoMET 2018 - Proc.*, vol. 2018-Janua, pp. 1–5, 2018.
- [44] B. Saberi and S. Saad, “Sentiment analysis or opinion mining: A review,” *Int. J. Adv. Sci. Eng. Inf. Technol.*, vol. 7, no. 5, pp. 1660–1666, 2017.
- [45] D. Liu, A. Chen, and J. Wu, “Research on Stock Price Prediction Method Based on Deep Learning,” *Proc. - 2020 2nd Int. Conf. Inf. Technol. Comput. Appl. ITCA 2020*, pp. 69–72, 2020.
- [46] G. Van Houdt and C. Mosquera, “A Review on the Long Short-Term Memory Model A Review on the Long Short-Term Memory Model,” no. May, 2020.
- [47] E. Rokhsatyazdi, S. Rahnamayan, H. Amirinia, and S. Ahmed, “Optimizing LSTM Based Network for Forecasting Stock Market,” *2020 IEEE Congr. Evol. Comput. CEC 2020 - Conf. Proc.*, 2020.
- [48] D. Z. Haq *et al.*, “Long Short-Term Memory Algorithm for Rainfall Prediction Based on El-Nino and IOD Data,” *Procedia Comput. Sci.*, vol. 179, pp. 829–837, 2021.



- [49] Y. Peng, P. H. M. Albuquerque, H. Kimura, and C. A. P. B. Saavedra, “Feature selection and deep neural networks for stock price direction forecasting using technical analysis indicators,” *Mach. Learn. with Appl.*, vol. 5, p. 100060, Sep. 2021.
- [50] Demasya, “UNIVERSITAS SUMATERA UTARA Poliklinik UNIVERSITAS SUMATERA UTARA,” *J. Pembang. Wil. Kota*, vol. 1, no. 3, pp. 82–91, 2018.