REFERENCES

[1]   O. Coupelon, "Neural network modeling for stock movement prediction A state of the art," *Network*, pp. 1–5, 2007, [Online]. Available: http://olivier.coupelon.free.fr/Neural_network_modeling_for_stock_movemen_prediction.pdf.

[2]   J. (New Y. I. of F. Murphy, *Technical Analysis of The Financial Markets*. 1999.

[3]   O. Hegazy, O. S. Soliman, and M. A. Salam, "A Machine Learning Model for Stock Market Prediction," no. May 2014, 2014, [Online]. Available: http://arxiv.org/abs/1402.7351.

[4]   S. Sukamulja, "Analisis Fundamental, Teknikal dan program Meta stock," 2005.

[5]   F. Nuraini, D. Jondri, M. Si, and T. A. B. W, "Prediksi Pergerakan Indeks Harga Saham Menggunakan Artificial Neural Network dan Support Vector Machine Prediction of Stock Price Index Movement Using Artificial Neural Network and Support Vector Machine," *eProceedings Eng.*, vol. 2, no. 3, 2015.

[6]   H. Ryou, H. H. Bae, H. S. Lee, and K. J. Oh, "Momentum investment strategy using a hidden Markov model," *Sustain.*, vol. 12, no. 17, 2020, doi: 10.3390/su12177031.

[7]   J. H. Chen and Y. C. Tsai, "Encoding candlesticks as images for pattern classification using convolutional neural networks," *Financ. Innov.*, vol. 6, no. 1, 2020, doi: 10.1186/s40854-020-00187-0.

[8]   R. M. I. Kusuma, T.-T. Ho, W.-C. Kao, Y.-Y. Ou, and K.-L. Hua, "Using Deep Learning Neural Networks and Candlestick Chart Representation to Predict Stock Market," pp. 1–13, 2019, [Online]. Available: http://arxiv.org/abs/1903.12258.

[9]   Y. Wan and Y.-W. Si, "A formal approach to chart patterns classification in financial time series," *Inf. Sci.*, vol. 411, pp. 151–175, 2017, doi: 10.1016/j.ins.2017.05.028.

[10]   I. Palupi, B. A. Wahyudi, and I. Indwiarti, "The clustering algorithms approach for decision efficiency in investment portfolio diversification," *2019 7th Int. Conf. Inf. Commun. Technol. ICoICT 2019*, pp. 1–6, 2019, doi: 10.1109/ICoICT.2019.8835314.

[11]   Y. Kara, M. Acar Boyacioglu, and Ö. K. Baykan, "Predicting direction of stock price index movement using artificial neural networks and support vector machines: The sample of the Istanbul Stock Exchange," *Expert Syst. Appl.*, vol. 38, no. 5, pp. 5311–5319, 2011, doi: 10.1016/j.eswa.2010.10.027.

[12]   M. F. Rahman, D. Alamsah, M. I. Darmawidjadja, and I. Nurma, "Klasifikasi Untuk Diagnosa Diabetes Menggunakan Metode Bayesian Regularization Neural Network (RBNN)," *J. Inform.*, vol. 11, no. 1, p. 36, 2017, doi: 10.26555/jifo.v11i1.a5452.

[13]   M. M. Goswami, C. K. Bhensdadia, and A. P. Ganatra, "Candlestick analysis based short term prediction of stock price fluctuation usingSOM-CBR," *2009 IEEE Int. Adv. Comput. Conf. IACC 2009*, no. March, pp. 1448–1452, 2009, doi: 10.1109/IADCC.2009.4809230.

[14]   H. A. Do Prado, E. Ferneda, L. C. R. Morais, A. J. B. Luiz, and E. Matsura, "On the effectiveness of candlestick chart analysis for the Brazilian stock market," *Procedia Comput. Sci.*, vol. 22, pp. 1136–1145, 2013, doi: 10.1016/j.procs.2013.09.200.

[15]   P. Tharavanij, V. Siraprapasiri, and K. Rajchamaha, "Profitability of candlestick charting patterns in the stock exchange of Thailand," *SAGE Open*, vol. 7, no. 4, 2017, doi: 10.1177/2158244017736799.

[16]   J. I. Larsen, "Predicting Stock Prices Using Technical Analysis and Machine Learning," *Urban Stud.*, vol. 5, no. 2, pp. 232–233, 1968, doi: 10.1080/00420986820080431.

[17]   A. G. Farizawani, M. Puteh, Y. Marina, and A. Rivaie, "A review of artificial neural network learning rule based on multiple variant of conjugate gradient approaches," *J. Phys. Conf. Ser.*, vol. 1529, no. 2, 2020, doi: 10.1088/1742-6596/1529/2/022040.

[18]   S. Agatonovic-Kustrin and R. Beresford, "Basic concepts of artificial neural network (ANN) modeling and its application in pharmaceutical research," *J. Pharm. Biomed. Anal.*, vol. 22, no. 5, pp. 717–727, 2000, doi: 10.1016/S0731-7085(99)00272-1.

[19]   J. Singh and R. Banerjee, "A study on single and multi-layer perceptron neural network," *Proc. 3rd Int. Conf. Comput. Methodol. Commun. ICCMC 2019*, no. Iccmc, pp. 35–40, 2019, doi: 10.1109/ICCMC.2019.8819775.

[20]   J. D. H. Simanjuntak, I. Indwiarti, and A. A. Rohmawati, "Comparison Of Stock Price Prediction With Generalized Autoregressive Conditional Heteroscedasticity Model And Artificial Neural Network," *eProceedings Eng.*, 2019.

[21]   D. Berrar, "Cross-validation," *Encycl. Bioinforma. Comput. Biol. ABC Bioinforma.*, vol. 1–3, no. January 2018, pp. 542–545, 2018, doi: 10.1016/B978-0-12-809633-8.20349-X.