

## DAFTAR PUSTAKA

- Agrawal, M., Khan, A. U., & Shukla, P. K. (2019). Stock Price Prediction using Technical Indicators: A Predictive Model using Optimal Deep Learning. *International Journal of Recent Technology and Engineering (IJRTE)*, 8(2), 2297–2305. DOI: 10.35940/ijrteB3048.078219
- Al-Selwi, S. M., Hassan, M. F., Abdulkadir, S. J., Muneer, A., Sumiea, E. H., Alqushaibi, A., & Ragab, M. G. (2024). RNN-LSTM: From applications to modeling techniques and beyond—Systematic review. *Journal of King Saud University - Computer and Information Sciences*, 36(5). DOI: 10.1016/j.jksuci.2024.102068
- Alshinwan, M., Abualigah, L., Shehab, M., Elaziz, M. A., Khasawneh, A. M., Alabool, H., & Hamad, H. A. (2021). Dragonfly algorithm: a comprehensive survey of its results, variants, and applications. *Multimedia Tools and Applications*, 80(10), 14979–15016. DOI: 10.1007/s11042-020-10255-3
- Anton, H., & Rorres, C. (2014). *Elementary linear algebra: Applications version (11th ed.)*. Wiley. Tautan Buku
- Aziz, R. M., & Saepudin, D. (2023). Optimasi portofolio saham IDX30 menggunakan metode mean-variance dengan shrinkage dan L1-regularization. *e-Proceeding of Engineering*, 10(5), 4953–4959. Tautan Artikel
- Bain, L. J., & Engelhardt, M. (1992). *Introduction to probability and mathematical statistics (2nd ed.)*. Duxbury. Tautan Buku
- Bodie, Z., Kane, A., & Marcus, A. J. (2018). *Investments (11th ed.)*. McGraw-Hill Education. Tautan Buku
- Chechkin, A. V., Metzler, R., Klafter, J., Gonchar, V. Y. (2008). Introduction to the Theory of Lévy Flights. *Anomalous Transport: Foundations and Applications*. DOI: 10.1002/9783527622979.ch5

- Colah. (2015, 27 Agustus). Understanding LSTM networks. *Colah's Blog*. Tautan
- Cuoco, A., Waterman, K., Kerins, B., Kaczorowski, E., & Manes, M. (2019). *Linear Algebra and Geometry AMS / MAA TEXTBOOKS VOL 46*. Education Development Center, Inc. Tautan Buku
- Desiyanti, R. (2017). *Teori Investasi dan Portofolio*. Bung Hatta University Press. Tautan Buku
- Dridi, S. (2021). *SUPERVISED LEARNING - A SYSTEMATIC LITERATURE REVIEW A PREPRINT*. DOI: 10.31219/osf.io/tysr4
- Eling, M., Schuhmacher, F. (2007). Does the choice of performance measure influence the evaluation of hedge funds?. *Journal of Banking Finance*, 31(9), 2632–2647. DOI: 10.1016/j.jbankfin.2006.09.015
- Fister, I., Jr, I. F., Yang, X.-S., & Brest, J. (2013). A comprehensive review of firefly algorithms. *Swarm and Evolutionary Computation*, 13, 34–46. DOI: 10.1016/j.swevo.2013.06.001
- Gandomi, A. H., Yang, X.-S., & Alavi, A. H. (2011). Mixed variable structural optimization using Firefly Algorithm. *Computers & Structures*, 89(23-24), 2325–2336. DOI: 10.1016/j.compstruc.2011.08.002
- Graves, A. (2012). *Supervised Sequence Labelling with Recurrent Neural Networks*. Springer. Tautan Buku
- Hammouri, A. I., Mafarja, M., Al-Betar, M. A., Awadallah, M. A., & Abu-Doush, I. (2020). An improved Dragonfly Algorithm for feature selection. *Knowledge-Based Systems*, 203. DOI: 10.1016/j.knosys.2020.106131
- Hastie, T., Tibshirani, R., & Friedman, J. (2009). *The elements of statistical learning: Data mining, inference, and prediction (2nd ed.)*. Springer. Tautan Buku
- Imran, M., Hashim, R., & Khalid, N. E. A. (2013). An Overview of Particle Swarm Optimization Variants. *Procedia Engineering*, 53, 491–496. DOI: 10.1016/j.proeng.2013.02.063

- Irahadi, D. R., Sianturi, M. S., & Kim, S. S. (2022). *PENGGUNAAN INDIKATOR ANALISA TEKNIKAL PADA PASAR SAHAM DI INDONESIA*. Tautan Artikel
- James, G., Witten, D., Hastie, T., & Tibshirani, R. (2013). *An introduction to statistical learning: With applications in R*. Springer. Tautan Buku
- Johari, N. F., Zain, A. M., Noorfa, M. H., & Udin, A. (2013). Firefly Algorithm for Optimization Problem. *Applied Mechanics and Materials*, 421, 512–517. DOI: 10.4028/www.scientific.net/AMM.421.512
- Johnson, R., & Wichern, D. (2014). *Applied multivariate statistical analysis (6th ed.)*. Pearson. Tautan Buku
- Kirkpatrick, C. D. (2020). *A Fidelity Investments Webinar Series: Understanding Indicators in Technical Analysis*. Tautan Materi
- Kurniawan, E., Alia, D., Nurdiansari, H., & Wijaya, S. (2024). Literature Review of Particle Swarm Optimization. *METEOR*, 17(2), 60.
- Lipton, Z., Berkowitz, J., & Elkan, C. (2015). *A Critical Review of Recurrent Neural Networks for Sequence Learning*. DOI: 10.48550/arXiv.1506.00019
- Liu, H., Chen, D., Lin, F., & Wan, Z. (2021). Wind Power Short-Term Forecasting Based on LSTM Neural Network With Dragonfly Algorithm. *Journal of Physics: Conference Series*, 1748. DOI: 10.1088/1742-6596/1748/3/032015
- Lo, A. W. (2002). The statistics of Sharpe ratios. *Financial Analysts Journal*, 58(4), 36-52. Tautan Artikel
- Manurung, H. (2019). Analisis kinerja portofolio saham dengan menggunakan metode Sharpe, Jensen dan Treyno. *Journal of Business Studies*, 4(1). Tautan Artikel
- Mappadang, A. (2021). *Buku ajar manajemen investasi & portofolio*. CV Pena Persada. Tautan Buku
- Meyer, C. D. (2000). *Matrix Analysis and Applied Linear Algebra*. SIAM. Tautan Buku

- Mienye, I. D., Swart, T. G., & Obaido, G. (2024). Recurrent Neural Networks: A Comprehensive Review of Architectures, Variants, and Applications. *Information*, 15(9), 517. DOI: 10.3390/info15090517
- Mirjalili, S. (2015). Dragonfly algorithm: a new meta-heuristic optimization technique for solving single-objective, discrete, and multi-objective problems. *Neural Computing and Applications*, 27(4), 1053–1073. DOI: 10.1007/s00521-015-1920-1
- Naeem, S., Ali, A., Anam, S., & Ahmed, M. M. (2023). An unsupervised machine learning algorithms: Comprehensive review. *International Journal of Computing and Digital Systems*, 13(1). DOI: 10.12785/ijcds/130172
- Nayak, J., Priyadarshani, P. P., & Dash, P. B. (2025). Improved perturbation based hybrid firefly algorithm and long short-term memory based intelligent security model for IoT network intrusion detection. *Computers and Electrical Engineering*, 121. DOI: 10.1016/j.compeleceng.2024.109926
- Poli, R., Kennedy, J., & Blackwell, T. (2007). Particle swarm optimization. *Swarm Intelligence*, 1(1), 33–57. DOI: 10.1007/s11721-007-0002-0
- Prinson, P. T., & Geetha, A. (2023). Dragonfly Algorithm and Variants for Feature Selection: A Review. *2023 International Conference on Quantum Technologies, Communications, Computing, Hardware and Embedded Systems Security (IQ-CCHES)*, 1–5. DOI: 10.1109/iQ-CCHES56596.2023.10391693
- Rahman, C. M., & Rashid, T. A. (2019). Dragonfly Algorithm and Its Applications in Applied Science Survey. *Computational Intelligence and Neuroscience*, 2019, 1–21. DOI: 10.1155/2019/9293617
- Rivalno, F., Murni, D., & Sriningsih, R. (2019). *Portofolio Mean Variance Efficient Dua Konstrain Pada 15 Saham Indeks LQ45*. Tautan Artikel
- Robiyanto, R. (2018). Performance evaluation of stock price indexes in the Indonesia Stock Exchange. *International Research Journal of Business Studies*, 10(3), 173–182. DOI: 10.21632/irjbs.10.3.173-182

- Rosadi, D. (2012). *Diktat Kuliah Manajemen resiko kuantitatif*. Jurusan Matematika FMIPA Universitas Gadjah Mada.
- Sahoo, P. (2013). *Probability and mathematical statistics*. University of Louisville.  
Tautan Buku
- Salehinejad, H., Sankar, S., Barfett, J., Colak, E., & Valaee, S. (2018). *Recent Advances in Recurrent Neural Networks*. DOI: 10.48550/arXiv.1801.01078
- Sanggup, I. P., Satyahadewi, N., & Sulistianingsih, E. (2014). PERHITUNGAN NILAI EKSPEKTASI RETURN DAN RISIKO DARI PORTOFOLIO DENGAN MENGGUNAKAN MEAN-VARIANCE EFFICIENT PORTFOLIO. *Buletin Ilmiah Math. Stat. Dan Terapannya (Bimaster)*, 03(1), 51–56. Tautan Artikel
- Sanjana, N. E. (2005). *Lecture 22: Lévy Distributions*. Department of Brain and Cognitive Sciences, Massachusetts Institute of Technology (MIT). Tautan Materi
- Santoso, A. A., & Sukamulja, S. (2020). Penggunaan kombinasi indikator SMA, EMA, MACD, RSI, dan MFI untuk menentukan keputusan beli dan jual pada saham-saham di sektor LQ45 BEI tahun 2018. *Modus*, 32(2). DOI: 10.24002/modus.v32i2.3519
- Sapiri, M., Suaib, F., Faridah, & Rahmawati. (2023). *Teori portofolio & analisis investasi: Disertai contoh soal & penyelesaian*. Nas Media Pustaka. Tautan Buku
- Shakawi, A. M. H. A., & Shabri, A. (2025). Enhancing stock index forecasting with LSTM using volatility-weighted input features. *MATEMATIKA, MJIAM*, 41(1), 77–92. DOI: 10.11113/matematika.v41.n1.1615
- Sharpe, W. F. (1994). The Sharpe Ratio. *The Journal of Portfolio Management*, 21(1), 49–58. DOI: 10.3905/JPM.1994.409501
- Solihatun, A., Gubu, L., Aswani, Cahyono, E., & Saidi, L. O. (2023). Perhitungan Value at Risk (VaR) pada portofolio saham IDX Sektor Keuangan (IDXFINANCE) menggunakan metode simulasi historis (Historical Simulation Method). *Jurnal Matematika, Komputasi, dan Statistika*, 3(1), 245–254. Tautan Artikel

- Tandelilin, E. (2010). *Manajemen Investasi*. Tautan Buku
- Vanitha, S., & Jayashree, R. (2023). Towards finding the impact of deep learning in educational time series datasets – A systematic literature review. *International Journal of Advanced Computer Science and Applications*, 14(3), 804–815. DOI: 10.14569/IJACSA.2023.0140392
- Verma, H. (2020). A systematic review on firefly algorithm: Past, present, and future. *ResearchGate*. DOI: 10.36227/techrxiv.12122748.v1
- Wang, D., Tan, D., & Liu, L. (2017). *Particle swarm optimization algorithm: an overview*. DOI: 10.1007/s00500-016-2474-6
- Wei, X., Zhang, L., Yang, H.-Q., Zhang, L., & Yao, Y.-P. (2021). Machine learning for pore-water pressure time-series prediction: Application of recurrent neural networks. *Geoscience Frontiers*, 12(1), 453–467. DOI: 10.1016/j.gsf.2020.04.011
- Wijayanti, R. I. (2023, 3 Oktober). Mengenal LQ45, indeks saham incaran para investor. *IDX Channel*. Tautan Berita
- Yang, X.-S. (2009). Firefly algorithms for multimodal optimization. O. Watanabe & T. Zeugmann (Eds.), *Stochastic Algorithms: Foundations and Applications*, hlm. 169–178. Tautan Artikel
- Yang, X.-S. (2010). *Firefly Algorithm, Lévy Flights and Global Optimization*. DOI: 10.48550/arXiv.1003.1464
- Zhu, H., Wang, Y., Wang, K., & Chen, Y. (2011). Particle Swarm Optimization (PSO) for the constrained portfolio optimization problem. *Expert Systems with Applications*, 38(8), 10161–10169. DOI: 10.1016/j.eswa.2011.02.075