

DAFTAR PUSAKA

- [1] D. I. Trimono Trimono, Asih Maruddani and D. Ispriyanti, “Pemodelan Harga Saham Dengan Geometric Brownian Motion Dan Value At Risk PT Ciputra Development Tbk,” *J. Gaussian*, vol. 6, no. 2, pp. 261–270, 2017, [Online]. Available: <http://ejournal-s1.undip.ac.id/index.php/gaussian>
- [2] T. Hukumonline, “Seputar Saham: Jenis, Aturan Kepemilikan, dan Keuntungannya,” *16 nov 2021*, p. 1, 2021. [Online]. Available: <https://www.hukumonline.com/berita/a/saham-lt619361fc580ae/>
- [3] S. Mehtab and J. Sen, “A time series analysis-based stock price prediction using machine learning and deep learning models,” *Int. J. Bus. Forecast. Mark. Intell.*, vol. 6, no. 4, p. 272, 2020, doi: 10.1504/ijbfmi.2020.115691.
- [4] S. Kartodiwiryono, “Rontoknya Deretan Saham Rokok,” *09 Dec 2022*, p. 1, 2022. [Online]. Available: <https://ekonomi.bisnis.com/read/20221209/9/1606880/opini-rontoknya-deretan-saham-rokok>
- [5] Pierre pattijn, “How do macroeconomic indicators influence investor behaviour during periods of market volatility ?,” 2025.
- [6] C. S. Wong, “Modeling Hong Kong’s stock index with the Student t-Mixture Autoregressive model,” *Math. Comput. Simul.*, vol. 81, no. 7, pp. 1334–1343, 2011, doi: 10.1016/j.matcom.2010.05.014.
- [7] D. A. Rasyid, “Pemodelan Harga Saham Menggunakan Model Mixture Autoregressive,” 2018.
- [8] A. Solikhah, H. Kuswanto, N. Iriawan, and K. Fithriasari, “Fisher’s z distribution-based Mixture Autoregressive model,” *Econometrics*, vol. 9, no. 3, 2021, doi: 10.3390/econometrics9030027.
- [9] J. Polec, “Exploring Return: beyond normal with generalized error distribution.” [Online]. Available: <https://www.linkedin.com/pulse/exploring>Returns-beyond-normal-generalized-error-jakub-polec-yueof>
- [10] C. S. Wong and W. K. Li, “On a Mixture Autoregressive conditional heteroscedastic model,” *J. Am. Stat. Assoc.*, vol. 96, no. 455, pp. 982–995,

- 2001, doi: 10.1198/016214501753208645.
- [11] D. Indonesia, “Data Kinerja Laba Bersih Emiten Rokok Kuartal III 2023: HMSP Tertinggi,” *data indonesia*, 2023. [Online]. Available: <https://dataindonesia.id/pasar-saham/detail/data-kinerja-laba-bersih-emiten-rokok-kuartal-iii2023-hmsp-tertinggi>
 - [12] F. Y. Dipertimbangkan, I. Dalam, L. A. M. Lindaarianystaffukswedu, F. Ekonomika, U. Kristen, and S. Wacana, “Faktor-faktor yang dipertimbangkan investor dalam melakukan investasi,” no. 3, pp. 37–51, 2011.
 - [13] K. Basira, L. Dhliwayo, K. Chinghamu, R. Chifurira, and F. Matarise, “Estimation and Prediction of Commodity *Returns* Using Long Memory Volatility Models,” *Risks*, vol. 12, no. 5, 2024, doi: 10.3390/risks12050073.
 - [14] M. A. H. Dempster and V. Leemans, “An automated FX trading system using adaptive reinforcement learning,” *Expert Syst. Appl.*, vol. 30, no. 3, pp. 543–552, 2006, doi: 10.1016/j.eswa.2005.10.012.
 - [15] S. Widyastuti, Indriyana Rahayu, “Aktual : Jurnal Akuntansi Dan Keuangan ISSN : 2337-568x (cetak) Aktual : Jurnal Akuntansi Dan Keuangan,” vol. 6, no. 2, pp. 1–10, 2021.
 - [16] P. P. Indonesia, “Undang-undang (UU) Nomor 17 Tahun 2011 tentang Intelijen Negara,” *J. Control. Release*, vol. 156, pp. 315–322, 2011.
 - [17] B. A. B. Ii, “TINJAUAN PUSTAKA,” 2022.
 - [18] D. N. G. & D. C. Porter, *Basic Econometrics*. 2013.
 - [19] Rusdi, “Deteksi Stasioneritas Data Runtut Waktu Melalui Uji Akar - Akar Unit,” 2011.
 - [20] G. T. Wilson, “Time Series Analysis: Forecasting and Control, 5th Edition, by George E. P. Box, Gwilym M. Jenkins, Gregory C. Reinsel and Greta M. Ljung, 2015. Published by John Wiley and Sons Inc., Hoboken, New Jersey, pp. 712. ISBN: 978-1-118-67502-1,” *J. Time Ser. Anal.*, vol. 37, no. 5, pp. 709–711, 2016, doi: 10.1111/jtsa.12194.
 - [21] D. M. Historini, “DENGAN PENDEKATAN ALGORITMA EM (Studi Kasus Pada Indeks Harga Saham Nikkei 225) ON MIXTURE AUTOREGRESSIVE MODELLING USING EM ALGORITHMS (

APPLIED IN NIKKEI 225 STOCK EXCHANGE INDEX,” 2010.

- [22] C. LIU, *Maximum Likelihood Estimation From Incomplete Data Via Em-Type Algorithms*, vol. 39, no. 1. 2003. doi: 10.1142/9789812388759_0028.
- [23] D. B. Nugroho, B. A. Pamungkas, and H. A. Parhusip, “Volatility Fitting Performance of QGARCH(1,1) Model with Student-t, GED, and SGED Distributions,” *ComTech Comput. Math. Eng. Appl.*, vol. 11, no. 2, pp. 97–104, 2020, doi: 10.21512/comtech.v11i2.6391.
- [24] I. Sintia, M. D. Pasarella, and D. A. Nohe, “Perbandingan Tingkat Konsistensi Uji Distribusi Normalitas Pada Kasus Tingkat Pengangguran di Jawa,” *Pros. Semin. Nas. Mat. Stat. dan Apl.*, vol. 2, no. 2, pp. 322–333, 2022.
- [25] R. Mardiyah, W. Somayasa, H. Budiman, M. Kabil Djafar, and R. Sahupala, “Uji Goodness of Fit Distribusi Gamma Terboboti Dengan Statistik Kolmogorov-Smirnov Untuk Parameter Terestimasi,” *J. Mat. Komputasi dan Stat.*, vol. 2, no. 2, pp. 92–101, 2022, doi: 10.33772/jmks.v2i2.13.
- [26] T. Thadewald, H. Büning, T. Thadewald, and B. Herbert, “Diskussionsbeiträge des Fachbereichs Wirtschaftswissenschaft der Freien Universität Berlin Jarque-Bera Test and its Competitors for Testing Normality - A Power Comparison Jarque-Bera Test and its Competitors for Testing Normality - A Power Comparison,” pp. 0–23, 2004.
- [27] Muthahharah, “Peramalan Indeks Saham Syariah Indonesia Menggunakan Autoregressive Integrated Moving Average (ARIMA),” *J. MSA (Matematika dan Stat. serta Apl.*, vol. 7, no. 2, pp. 1–8, 2019, [Online]. Available: <http://103.55.216.56/index.php/msa/article/view/11149>
- [28] C. Rafal, “Using GED (*Generalized Error Distribution*) For Modelling Distribution Of The Rates Of *Return* Rafał Czyżycki 2 . Investigating normality of the rates of *Return*”.
- [29] P. Sebastiani and H. P. Wynn, “Maximum entropy sampling and optimal Bayesian experimental design,” *J. R. Stat. Soc. Ser. B Stat. Methodol.*, vol. 62, no. 1, pp. 145–157, 2000, doi: 10.1111/1467-9868.00225.
- [30] J. Sreevalsan-Nair, “Expectation-Maximization Algorithm,” *Encycl. Earth Sci. Ser.*, vol. 2020, no. July 2022, 2020, doi: 10.1007/978-3-030-26050-

7_103-1.

- [31] Anita Rahayu, "Expectation Maximization (EM) Algorithm," *Binus University*, 2021. [Online]. Available: <https://binus.ac.id/malang/2021/11/expectation-maximization-em-algorithm/>
- [32] L. R. Amalia, "Analisis Model Runtun Waktu dan Estimasi Parameter Data Produksi Gula Pada PTP.Nusantara IX (PERSERO) Jatibarang Kabupaten Brebes dengan Program Minitab," 2007.
- [33] J. Kasali and A. A. Adeyemi, "Model-Data Fit using Akaike Information Criterion (AIC), Bayesian Information Criterion (BIC), and The Sample-Size-Adjusted BIC," *Sq. J. Math. Math. Educ.*, vol. 4, no. 1, pp. 43–51, 2022, doi: 10.21580/square.2022.4.1.11297.
- [34] I. Nabillah and I. Ranggadara, "Mean Absolute Percentage Error untuk Evaluasi Hasil Prediksi Komoditas Laut," *JOINS (Journal Inf. Syst.*, vol. 5, no. 2, pp. 250–255, 2020, doi: 10.33633/joins.v5i2.3900.
- [35] N. A. Atussaliha, P. Purnawansyah, and H. Darwis, "Metode Double Exponential Smoothing pada Sistem Peramalan Tingkat Kemiskinan Kabupaten Pangkep," *Ilk. J. Ilm.*, vol. 12, no. 3, pp. 183–190, 2020, doi: 10.33096/ilkom.v12i3.607.183-190.
- [36] N. Hidayati, "Modul interaksi manusia komputer," *Bina Sarana Inform.*, no. 200309005, p. 122, 2017.
- [37] Y. Akkem, B. S. Kumar, and A. Varanasi, "Streamlit Application for Advanced Ensemble Learning Methods in Crop Recommendation Systems – A Review and Implementation," *Indian J. Sci. Technol.*, vol. 16, no. 48, pp. 4688–4702, 2023, doi: 10.17485/ijst/v16i48.2850.
- [38] Yahoo, "No Title." Accessed: Sep. 13, 2021. [Online]. Available: <https://finance.yahoo.com/>
- [39] Y. Jiang and Z. Zhuang, "A Mixture Autoregressive Model Based on an Asymmetric Exponential Power Distribution," *Axioms*, vol. 12, no. 2, 2023, doi: 10.3390/axioms12020196.