



REFERENCE

- Ackert, L. F., & Deaves, R. (2010). *Behavioral Finance: Psychology, Decision-Making and Markets*. Mason: South-Western Cengage Learning.
- Agustin, I. N. (2019). Testing Weak Form of Stock Market Efficiency at the Indonesia Sharia Stock Index. *Muqtasid: Jurnal Ekonomi dan Perbankan Syariah*, 10(1), 17-29.
- Al Arif, N. R. M. (2012). *Dasar-Dasar Pemasaran Bank Syariah*. Alfabeta.
- Almazan, A., Brown, K. C., Carlson, M., & Chapman, D. A. (2004). Why Constrain Your Mutual Fund Manager? *Journal of Financial Economics*, 73(2), 289-321.
- Babbie, E. (2007). Tile Practice of Social Research. *Istanbul Bilgi University Library*.
- Baker, S. R., Bloom, N., Davis, S. J., Kost, K. J., Sammon, M. C., & Viratyosin, T. (2021). The Unprecedented Stock Market Reaction to COVID-19. *The Review of Asset Pricing Studies*, 11(4), 742-758.
- Barber, B. M., & Odean, T. (2008). All that Glitters: The Effect of Attention and News on the Buying Behavior of Individual and Institutional Investors. *The Review of Financial Studies*, 21(2), 758-818.
- Barber, B. M., Lee, Y. T., Liu, Y. J., & Odean, T. (2009). Just How Much Do Individual Investors Lose by Trading? *The Review of Financial Studies*, 22(2), 609-632.
- Bareksa. (2023, July 18). Capped Adjusted Free Float Market Capitalization Weighted Average. Retrieved from Bareksa.com: <https://www.bareksa.com/berita/tag/capped-adjusted-free-float-market-capitalization-weighted-average>
- Baresa, S., Bogdan, S., & Ivanovic, Z. (2013). Strategy of Stock Valuation by Fundamental Analysis. *UTMS Journal of Economics*, 4(1), 45-51.
- Box, G. E. P., & Jenkins, G. M. (1970). *Time Series Analysis, Forecasting, and Control*. San Francisco: Holden Bay.
- Box, G. E. P., Jenkins, G. W., Reinsel, G. C., & Ljung, G. M. (1976). *Time Series Analysis: Forecasting and Control*. San Francisco: Holden Bay.
- Box, G. E., Jenkins, G. M., Reinsel, G. C., & Ljung, G. M. (2015). *Time Series Analysis: Forecasting and Control*. John Wiley & Sons.
- Brooks, C. (2014). Modeling Long-run Relationships in Finance. *Introductory Econometrics for Finance (3rd Edition)*. Cambridge University Press.
- Brown, R. G. (1963). Smoothing, *Forecasting and Prediction of Discrete Time Series*, 127.



Byrne, B. M., & Van de Vijver, F. J. (2010). Testing for Measurement and Structural Equivalence in Large-Scale Cross-Cultural Studies: Addressing the Issue of Nonequivalence. *International Journal of Testing*, 10(2), 107-132.

Central Bureau of Statistics of Indonesia, (2022, December 11). Transaksi dan Indeks Saham di Bursa Efek 2019-2022. Retrieved from Bps.go.id: <https://www.bps.go.id/indicator/13/125/2/transaksi-dan-indeks-saham-di-bursa-efek.html>.

Chai, T., & Draxler, R. R. (2014). Root Mean Square Error (RMSE) or Mean Absolute Error (MAE)? Arguments Against Avoiding RMSE in the Literature. *Geoscientific model development*, 7(3), 1247-1250.

Chang, C. L., Sriboonchitta, S., & Wiboonpongse, A. (2009). Modeling and Forecasting Tourism from East Asia to Thailand under Temporal and Spatial Aggregation. *Mathematics and Computers in Simulation*, 79(5), 1730-1744.

Chatfield, C., & Prothero, D. L. (1973). Box-Jenkins Seasonal Forecasting: Problems in a Case-Study. *Journal of the Royal Statistical Society: Series A (General)*, 136(3), 293-315.

Chen, Y. J., Chen, Y. M., Tsao, S. T., & Hsieh, S. F. (2018). A Novel Technical Analysis-based Method for Stock Market Forecasting. *Soft Computing*, 22, 1295-1312.

Cryer, J. D., & Chan, K. S. (2008). Model for Stationary Time Series. *Time Series Analysis: With Applications in R*, 66-77.

Dadhich, M., Pahwa, M. S., Jain, V., & Doshi, R. (2021). Predictive Models for Stock Market Index using Stochastic Time Series ARIMA Modeling in Emerging Economy. In *Advances in Mechanical Engineering: Select Proceedings of CAMSE 2020*, 281-290. Springer Singapore.

Dickey, D. A., & Fuller, W. A. (1979). Distribution of the Estimators for Autoregressive Time Series with a Unit Root. *Journal of the American Statistical Association*, 427-431.

Eke, C. N. (2019). Time Series Analysis on Monthly Stock Market Returns of the Nigerian Stock Exchange. An ARIMA Modeling Approach. *Asian Journal of Economics, Business and Accounting*, 11(4), 1-9.

Etuk, H. E., Uchendu, B., & Udo, E. O. (2012). Box-Jenkins Modeling of Nigerian Stock Prices Data. *Greener Journal of Science Engineering and Technological Research*, 2(2), 32-38.

Fama, E. F. (1970). Efficient Capital Markets: A Review of Theory and Empirical Work. *The Journal of Finance*, 25(2), 383-417.

Febriaty, H. (2019). The Effect of Economic Indicators on Movement of Composite Stock Price Index in Indonesia Stock Exchange. *Journal of International Conference Proceedings*, 2(1), 43.

Forbes, W. (2009). Behavioral Finance. John Wiley & Sons.



UNIVERSITAS
GADJAH MADA

George, D., & Mallery, P. (2010). SPSS for Windows Step by Step. *A Simple Guide and Reference 17.0 Update 10th Edition*. Pearson.

Gujarati, D. N., & Porter, D. (2009). *Basic Econometrics Fifth Edition*. McGraw-Hill.

Gunarso, A., Siregar, H., & Irawan, T. (2017). The Stock Market of Infrastructure Sector: A Weak-Form EMH Test. *International Journal of Science and Research*, 6(2), 2015-2018.

Grestandhi, J., Susanto, B., & Mahatma, T. (2011). Analisis Perbandingan Metode Peramalan Indeks Harga Saham Gabungan (IHSG) dengan Metode OLS-ARCH/GARCH dan ARIMA.

Haerani, S. L. S., & Nugraha, E. S. (2022). ARIMA Model in Predicting Jakarta Composite Index. *Jouurnal of Actuarial, Finance, and Risk Management*, 1(1), 27-35.

Hanitha, V., Yoyo, T., & Silaswara, D. (2023). Analysis Effect of BI Rates, Inflation and Exchange Rates on the Composite Stock Price Index on the Indonesia Stock Exchange 2016-2021.

Harvey, A. C. (1990). *The Econometric Analysis of Time Series*. MIT Press.

Harrison, P. J. (1965). Short-Term Sales Forecasting. *Appl. Statist.*, 14, 102-139.

Hunt, S. D. (2007). Economic Growth: Should Policy Focus on Investment or Dynamic Competition? *European Business Review*, 19(4), 274-291.

Hurst, B., Ooi, Y. H., & Pedersen, L. H. (2017). A Century of Evidence on Trend-Following Investing. *The Journal of Portfolio Management*, 44(1), 15-29.

Hyndman, R. J., & Athanasopoulos, G. (2018). *Forecasting: Principles and Practice*. OTexts.

IDX. (2022, July 18). Data Pasar: Daftar Saham. Retrieved from Idx.co.id: <https://www.idx.co.id/id/data-pasar/data-saham/daftar-saham>.

IDX. (2023, July 18). Indeks Saham: Daftar Indeks-Indeks di BEI beserta Tanggal Peluncuran, Tanggal Dasar, dan Nilai Awal; Daftar Indeks berdasarkan Metode Perhitungannya. Retrieved from Idx.co.id: <https://www.idx.co.id/id/produk/indeks>.

Indonesia Central Securities Depository. (2022, December 11). Statistik Pasar Modal Indonesia: Oktober 2022. Kustodian Sentral Efek Indonesia. Retrieved from Ksei.co.id: https://www.ksei.co.id/files/Statistik_Publik_-_Oktober_2022_v2.pdf

Indonesia Central Securities Depository. (2022, December 11). Statistik Pasar Modal Indonesia: Desember 2021. Kustodian Sentral Efek Indonesia. Retrieved from Ksei.co.id: https://www.ksei.co.id/files/Statistik_Publik_Desember_2021.pdf

Indonesia Central Securities Depository. (2022, December 11). Statistik Pasar Modal Indonesia: Desember 2020. Kustodian Sentral Efek Indonesia. Retrieved from Ksei.co.id: https://www.ksei.co.id/files/Statistik_Web_-_Desember_2020.pdf

International Monetary Fund. (2019). Indonesia: 2019 Article IV Consultation. International Monetary Fund, Country Report No. 19/285.



UNIVERSITAS
GADJAH MADA

- Jamal, A., Salim, J., Seftarita, C., Mahmud, M. S., Daud, W. M. N. W., Ghazali, P. L., & Rashid, N. (2018). Does Monetary Policy and ASEAN Stock Market Affect Jakarta Composite Index (IHSG)? *International Journal of Academic Research in Business and Social Sciences*, 8(12), 1236-1248.
- Jansson, P., & Larsson, H. (2020). ARIMA Modeling: Forecasting Indices on the Stockholm Stock Exchange.
- Karanikola, A., Liapis, C. M., & Kotsiantis, S. (2021). A Comparison of Contemporary Methods on Univariate Time Series Forecasting. *Learning and Analytics in Intelligent Systems*, 143-168.
- Kim, J. H., & Shamsuddin, A. (2007). Are Asian Stock Markets Efficient? Evidence from New Multiple Variance Ratio Tests. *Journal of Empirical Finance*, 15, 528-523.
- Kim, W., & Wei, S. J. (2002). Foreign Portfolio Investors before and during a Crisis. *Journal of international economics*, 56(1), 77-96.
- Krugman, P. (1995). Dutch Tulips and Emerging Markets. *Foreign Aff.*, 74, 28.
- Krugman, P. (2009). How Did Economists Get It So Wrong?. *New York Times*, 2(9).
- Laeven, M. L., & Valencia, M. F. (2012). Systemic Banking Crises Database; An update. International Monetary Fund.
- Li, C., Yang, B., & Li, M. (2017). Forecasting Analysis of Shanghai Stock Index based on ARIMA model. In *MATEC Web of Conferences*, 100, 02029. EDP Sciences.
- Li, Y., Wu, K., & Liu, J. (2023). Self-paced ARIMA for Robust Time Series Prediction. *Knowledge-Based Systems*, 269, 110489.
- Lucas Jr, R. E. (1976). Econometric Policy Evaluation: A Critique, in K Brunner and A Meltzer (eds), *The Phillips Curve and Labour Markets, Carnegie-Rochester Conference Series on Public Policy*, 1.
- Maddala, G. (1992). *Introduction to Econometrics, Second Edition*. Macmillan Publishing Company.
- Makridakis, S., Wheelwright, S. C., & Hyndman, R. J. (2008). *Forecasting Methods and Applications*. John Wiley & Sons.
- Malkiel, B. G. (1973). *A Random Walk Down Wall Street [by] Burton G. Malkiel*. Norton.
- Malkiel, B. G. (2019). A Random Walk down Wall Street: The Time-Tested Strategy for Successful Investing. WW Norton & Company.
- Mashadihasanli, T. (2022). Stock Market Price Forecasting using the ARIMA Model: An Application to Istanbul, Turkiye. *Iktisat Politikasi Arastirmalar Dergisi - Journal of Economic Policy Researches*, 9(2), 439-454.



- Merh, N., Saxena, V. P., & Pardasani, K. R. (2010). A Comparison between Hybrid Approaches of ANN and ARIMA for Indian Stock Trend Forecasting. *Business Intelligence Journal*, 3(2), 23-43.
- Meyler, A., Kenny, G., & Quinn, T. (1998). Forecasting Irish Inflation using ARIMA Models. *Research Technical Papers 3/RT/98, Central Bank of Ireland*.
- Miswan, N. H., Ngatiman, N. A., Hamzah, K., & Zamzamin, Z. Z. (2014). Comparative Performance of ARIMA and GARCH Models in Modelling and Forecasting Volatility of Malaysia Market Properties and Shares. *Applied Mathematical Sciences*, 8(140), 7001-7012.
- Montgomery, D. C., Jennings, C. L., & Kulahci, M. (2015). *Introduction to Time Series Analysis and Forecasting*. John Wiley & Sons.
- Mulyono, S. (2000). Peramalan Harga Saham dan Nilai Tukar: Teknik Box-Jenkins. *Ekonomi dan Keuangan Indonesia*, 48(2), 125-141.
- Murwaningsari, E. (2008). Pengaruh Volume Perdagangan Saham, Deposito, dan Kurs terhadap IHSG beserta Prediksi IHSG (Model GARCH dan ARIMA). *Journal of Indonesian Economy and Business (JIEB)*, 23(2), 178-195.
- Muschilati, E., & Irsalinda, N. (2020). Forecasting Tourist Visit using the Vector Autoregressive Exogenous Method (VARX). *Jurnal Ilmiah Matematika*, 7(2), 81.
- Novita, M., & Nachrowi, N. D. (2005). Dynamic Analysis of the Stock Price Index and the Exchange Rate using Vector Auto Regression (VAR): An Empirical Study in Jakarta Stock Exchange 2001-2004. *Journal of Economics and Finance in Indonesia*, 53(3), 263-278.
- Nachrowi, N. D., & Usman, H. (2007). Prediksi IHSG dengan Model GARCH dan Model ARIMA. *Jurnal Ekonomi dan Pembangunan Indonesia*, 7(2), 199-217.
- NGX Group. (2022, July 28). NGX Market Data Price List. Retrieved from Ngxgroup.com: <https://ngxgroup.com/exchange/data/historical-data/>
- Pai, P. F., & Lin, C. S. (2005). A Hybrid ARIMA and Support Vector Machines Model in Stock Price Forecasting. *Omega*, 33(6), 497-505.
- Pankratz, A. (2012). Forecasting with Dynamic Regression Models. John Wiley & Sons.
- Pavlov, O., & Yang, J. (2010). Stock Market Efficiency of Ukraine, China and Russia in Comparison to USA.
- Pardede, P. (2019). Penerapan Model ARIMA dalam Memprediksi Indeks Harga Saham Gabungan Bursa Efek Indonesia-Jakarta. *MPU Procuratio*, 1(1 April), 92-103.
- Parvin, S., & Khanam, M. (2018). Comparison between ARIMA and VAR Model regarding the Forecasting of the Price of Jute Goods in Bangladesh. *Dhaka University Journal of Science*, 66(2), 91-94.



UNIVERSITAS
GADJAH MADA

Pianda, D. (2018). Optimasi Perencanaan Produksi pada Kombinasi Produk dengan Metode Linear Programming. CV Jejak.

Pillay, S. (2020). Determining the Optimal ARIMA Model for Forecasting the Share Price Index of the Johannesburg Stock Exchange. *Journal of Management Information and Decision Sciences*, 23(5), 527-528.

Pohan, F. A. (2022). Forecasting Harga Saham pada PT Astra International Tbk. Menggunakan Metode ARIMA.

Pokorný, M. (1987). *An Introduction to Econometrics*. B. Blackwell, 343.

Putri, R., & Manurung, A. H. P. (2021). Determinants of Investors Behavior in Indonesian Capital Market. *Journal of Economics, Business, and Accountancy Ventura*, 24(3), 497-512.

Reddy, C. V. (2019). Predicting the Stock Market Index using Stochastic Time Series ARIMA Modeling. The Sample of BSE and NSE. *Indian Journal of Finance*, 13(8), 7-25.

Reid, D. J. (1971). A Comparison of Forecasting Techniques on Economic Time-Series. *Paper of the Operational Research Society*.

Reinhart, C. M., & Rogoff, K. S. (2011). From Financial Crash to Debt Crisis. *American Economic Review*, 101(5), 1676-1706.

Nau, R. (2014). The Mathematical Structure of Arima Models. *Duke University Online Article*. 1(1), 1-8.

Robert, S. P., & Daniel, L. R. (1998). Econometric Models and Economic Forecasts. *Irwin and McGraw-Hill*.

Roberts, W. D., & Stone, P. W. (2003). How to Choose and Evaluate a Research Instrument. *Applied Nursing Research*, 16(1), 70-72.

Rode, D., Parikh, S., Friedman, Y., & Kane, J. (1995). An Evolutionary Approach to Technical Trading and Capital Market Efficiency. *The Wharton School University of Pennsylvania*, 1.

Rounaghi, M. M., & Zadeh, F. N. (2016). Investigation of Market Efficiency and Financial Stability between S&P 500 and London Stock Exchange: Monthly and Yearly Forecasting of Time Series Stock Returns using ARMA Model. *Physica A: Statistical Mechanics and its Applications*, 456, 10-21.

Sadeq, A. (2008). Analisis Prediksi Indeks Harga Saham Gabungan dengan Metode ARIMA (Studi pada IHSG di Bursa Efek Jakarta). University of Stuttgart.

Sartono, B. (2006). Pelatihan Time Series Analysis. Institut Pertanian Bogor.

Sims, C. A. (1980). Macroeconomics and Reality. *Econometrica: Journal of The Econometric Society*, 1-48.



UNIVERSITAS
GADJAH MADA

Soemantri, Y., & Setiawan, K. (2017). The Presence of Structural Breaks in the Indonesian Capital Market as a result of the Second Cabinet Reshuffle Announcement. Gadjah Mada University.

Solow, R. M. (1956). A Contribution to the Theory of Economic Growth. *The Quarterly Journal of Economics*, 70(1), 65-94.

Solow, R. M. (1957). Technical Change and the Aggregate Production Function. *The Review of Economics and Statistics*, 39(3), 312-320.

Statista. (2021, July 1). Leading Stock Exchanges in the Asia Pacific Region 2021, by Domestic Market Capitalization. Retrieved from Statista.com: <https://www.statista.com/statistics/265236/domestic-market-capitalization-in-the-asia-pacific-region/>.

Stiglitz, J. E., Orszag, J. M. & Orszag, P. R. (2002). Implications of the New Fannie Mae and Freddie Mac Risk-Based Capital Standard. *Fannie Mae Papers*.

Taneja, A. (2019). To Predict Accurate Silver MCX Trend in Indian Stock Market using Box-Jenkins Method (Doctoral Dissertation).

Tekindal, M. A. (2008). Modeling the Stock Indexes of the European Union Countries and Turkey and Evaluating Forecasts for the Future. Proceedings of 17th Statistics Research Symposium of Turk Stat, 135-153.

Tofallis, C. (2015). A Better Measure of Relative Prediction Accuracy for Model Selection and Model Estimation. *Journal of the Operational Research Society*, 66, 1352-1362.

Trading Economics. (2023, July 1). Malaysia Stock Market (FBM KLCI). Retrieved from Tradingeconomics.com: <https://tradingeconomics.com/malaysia/stock-market>.

Trading Economics. (2023, July 1). Philippines Stock Market (PSEi). Retrieved from Tradingeconomics.com: <https://tradingeconomics.com/philippines/stock-market>.

Trading Economics. (2023, July 1). Singapore Stock Market (STI). Retrieved from Tradingeconomics.com: <https://tradingeconomics.com/singapore/stock-market>.

Trading Economics. (2023, July 1). Thailand Stock Market (SET). Retrieved from Tradingeconomics.com: <https://tradingeconomics.com/thailand/stock-market>.

Tsay, R. S. (2005). *Analysis of Financial Time Series*. John Wiley & Sons.

Utami, A. T. (2018). Efisiensi Pasar Bentuk Lemah Pada Pasar Modal Indonesia, Malaysia, dan Korea Selatan Periode Krisis Ekonomi Global 2008. *Jurnal Inspirasi Bisnis dan Manajemen*, 2(2), 101-116.

Voss, M. S., & Feng, X. (2002). ARMA Model Selection Using Particle Swarm Optimization and AIC Criteria. *IFAC Proceedings Volumes*, 35(1), 349-354.

Wahyudi, S. T. (2017). The ARIMA Model for the Indonesia Stock Price. *International Journal of Economics & Management*, 11.



UNIVERSITAS
GADJAH MADA

Time Series Forecasting using the Box-Jenkins Methodology for the Projection of the Jakarta Stock Exchange Composite Index
STEVAN HARRIS BUDIMAN, Poppy Ismalina, M.Ec.Dev., Ph.D.
Universitas Gadjah Mada, 2024 | Diunduh dari <http://etd.repository.ugm.ac.id/>

Wei, W. W. S. (2006). *Time Series Analysis: Univariate and Multivariate Methods*. Pearson Addison Wesley.

Wei, W. W. S. (2018). *Multivariate Time Series Analysis and Applications*. John Wiley & Sons.

Winters, P. R. (1960). Forecasting Sales by Exponentially Weighted Moving Averages. *Man. Sci.* 6, 324-342.

World Bank. (2010). Indonesia: Managing the Transition from Recovery to Sustainable Growth. World Bank Report.

World Bank. (2021). Indonesia Economic Prospects: January 2021. World Bank Report.

World Bank. (2023, July 1). GDP (Constant LCU) - Indonesia. Retrieved from Data.worldbank.org:
<https://data.worldbank.org/indicator/NY.GDP.MKTP.KN?locations=ID>.

Yahoo Finance. (2022, October 10). Jakarta Composite Index. Retrieved from Finance.yahoo.com:
<https://finance.yahoo.com/quote/%5EJKSE/history?period1=639446400&period2=1667174400&interval=1mo&filter=history&frequency=1mo&includeAdjustedClose=true>.

Yenice, S. & Tekindal, M. A. (2015). Forecasting the Stock Indexes of Fragile Five Countries through Box-Jenkins Methods. *International Journal of Business and Social Science*, 6(8), 180-191.