

DAFTAR PUSTAKA

- Ainiyah, L, & Bansori, M. (2021). *Prediksi Jumlah Kasus COVID-19 Menggunakan Metode Autoregressive Integrated Moving Average*. Jurnal Sains Dasar, 10(2), 62–68.
- Ahmad, Q. (2024, March 29). Perbedaan sistem informasi dan sistem informasi manajemen: mengupas teknologi dan bisnis dengan gaya santai. tambahpinter.com. Retrieved July 7, 2025, from <https://tambahpinter.com/perbedaan-sistem-informasi-dan-sistem-informasi-manajemen/>
- Arlot, S., & Celisse, A. (2010). A survey of cross-validation procedures for model selection. *Statistics Surveys*, 4, 40–79. <https://doi.org/10.1214/09-SS054>
- Atmaja, Hermina K., (2012). *Penggunaan Analisis ABC Indeks Kritis untuk Pengendalian Persediaan Obat Antibiotik di Rumah Sakit M. H. Thamrin Salemba*. Fakultas Kesehatan Masyarakat, Program Pascasarjana, Program Studi Kajian Administrasi Rumah Sakit. Universitas Indonesia.
- Box, G.E., Jenkins, G.M., Reinsel, G.C., & Ljung, G.M. (1978). Time Series Analysis: Forecasting and Control. *The Statistician*, 27, 265-265.
- Calster, B.V., Wynants, L., Timmerman, D., Steyerberg, E.W., & Collins, G.S. (2019). Predictive analytics in health care: how can we know it works? *Journal of the American Medical Informatics Association : JAMIA*, 26, 1651 - 1654. <https://doi.org/10.1093/jamia/ocz130>
- Campbell, S., Greenwood, M., Prior, S.J., Shearer, T., Walkem, K., Young, S., Bywaters, D., & Walker, K. (2020). Purposive sampling: complex or simple? Research case examples. *Journal of Research in Nursing*, 25, 652 - 661.
- Chase, C. W. (2013). Demand-Driven Forecasting: A Structured Approach to Forecasting. John Wiley & Sons. <https://doi.org/10.1002/9781118691861>

- Cormen, Thomas H.; Leiserson, Charles E.; Rivest, Ronald L.; Stein, Clifford (2009). *Introduction to Algorithms*. (third ed.). MIT Press. ISBN 978-0-262-03384-8.
- Dangeti, P. (2017). *Statistics for machine learning: Techniques for exploring supervised, unsupervised, and reinforcement learning models with Python and R*. Packt Publishing. <https://doi.org/10.5555/3164859>
- Dass, Yesu. (2019). Article Based on the Indexing Databases of the Web of Science, SCOPUS, DOAJ, Google Scholar, PubMed and Index Copernicus International: a study of Christ University Research Scholar.
- Dave, E., Leonardo, A., Jeanice, M., & Hanafiah, N. (2021). Forecasting Indonesia Exports using a Hybrid Model ARIMA-LSTM. *Procedia Computer Science*, 179, 480-487.
- Deng, Y., Fan, H., & Wu, S. (2023). A hybrid ARIMA–LSTM model optimized by BP in the forecast of outpatient visits. *Journal of Ambient Intelligence and Humanized Computing*, 14(1), 115–125. <https://doi.org/10.1007/s12652-020-02602-x>
- Delgado-Rodríguez, M. and Sillero-Arenas, M. (2018). Systematic Review and Meta-Analysis, *Medicina Intensiva*, 42(7), pp. 444–453. doi: 10.1016/j.medin.2017.10.003.
- Du, M., Luo, J., Wang, S., & Liu, S. (2019). Genetic algorithm combined with BP neural network in hospital drug inventory management system. *Neural Computing and Applications*, 32(7), 1981–1994. <https://doi.org/10.1007/s00521-019-04379-3>
- Douaioui, K., Oucheikh, R., Benmoussa, O., & Mabrouki, C. (2024). Machine learning and deep learning models for demand forecasting in supply chain management: A critical review. *Applied System Innovation*, 7(5), 93. <https://doi.org/10.3390/asi7050093>
- Fattah, Jamal & Ezzine, Latifa & Aman, Zineb & Moussami, Haj & Lachhab, Abdeslam. (2018). Forecasting of demand using ARIMA model.

- International Journal of Engineering Business Management. 10. 184797901880867. 10.1177/1847979018808673.
- Fourkiotis KP, Tsadiras A. (2024). Applying Machine Learning and Statistical Forecasting Methods for Enhancing Pharmaceutical Sales Predictions. *Forecasting*. 2024; 6(1):170-186. <https://doi.org/10.3390/forecast6010010>
- Ghozali, Imam. (2013). Aplikasi Analisis Multivariate dengan Program SPSS. Edisi Ketujuh. Semarang: Badan Penerbit Universitas Diponegoro.
- Goodfellow, I., Bengio, Y., & Courville, A. (2016). *Deep Learning*. MIT Press. <https://www.deeplearningbook.org/>
- Günther Schuh, Gunther Reinhart, Jan-Philipp Prote, Frederick Sauermann, Julia Horsthofer, Florian Oppolzer, Dino Knoll. (2019). Data Mining Definitions and Applications for the Management of Production Complexity, *Procedia CIRP*, Volume 81, 2019, <https://doi.org/10.1016/j.procir.2019.03.217>.
- Hadwan, M., Al-Maqaleh, B.M., Al-Badani, F.N., Khan, R.U. and Al-Hagery, M.A., (2022). A hybrid neural network and box-jenkins models for time series forecasting. *CMC-Comput. Mater. Contin*, 70, pp.4829-4845.
- Heizer, Jay., Render, Barry. (2009). *Operations Management (Manajemen Operasi)*. (Buku 1, Edisi 9). Jakarta: Salemba Empat.
- Herjanto, Eddy. (2008). *Manajemen Operasi*. (Edisi Ketiga). Jakarta: Grasindo.
- Hevner, A.R., S.T. March, J. Park & S. Ram (2004). Design science in information systems research, *MIS Quarterly*, 28(1), 75-105.
- HilalY. N., NainggolanG. D. A., SyahputriS. H., & KartiasihF. (2024). Comparison of ARIMA and LSTM Methods in Predicting Jakarta Sea Level. *Jurnal Ilmu Dan Teknologi Kelautan Tropis*, 16(2), 163-178. <https://doi.org/10.29244/jitkt.v16i2.52818>

- Hyndman, R. J., & Athanasopoulos, G. (2021). *Forecasting: Principles and Practice* (3rd ed.). OTexts. <https://otexts.com/fpp3/>
- Jaakkola, Elina. (2020). *Designing Conceptual Articles: Four Approaches*. AMS Review. 10. 10.1007/s13162-020-00161-0.
- Khasanah, Latifah Uswatun. (2022). *Machine Learning Data Science untuk Prediksi dan Klasifikasi*. Vol 10 Series. 06. <https://dqlab.id/machine-learning-data-science-untuk-prediksi-dan-klasifikasi>
- Kim, T. K. (2015). T test as a parametric statistic. *Korean Journal of Anesthesiology*, 68(6), 540–546. <https://doi.org/10.4097/kjae.2015.68.6.540>
- Kimberlin, C. L., & Winterstein, A. G. (2008). Validity and reliability of measurement instruments used in research. *American Journal of Health-System Pharmacy*, 65(23), 2276-2284. *American Journal of Health-System Pharmacy*
- Kristanto, A. (2018). *Perancangan Sistem Informasi dan Aplikasinya* (Cetakan I). Gava Media. ISBN 978-602-5568-28-2.
- Kulshreshtha, S. & A, V. (2020). An ARIMA-LSTM hybrid model for stock market prediction using live data. *Journal of Engineering Science and Technology Review*, 13(4):117–123. doi: 10.25103/jestr.134.11
- Lepenioti, Katerina & Bousdekis, Alexandros & Apostolou, Dimitris & Mentzas, Gregoris. (2020). Prescriptive analytics: Literature review and research challenges. *International Journal of Information Management*. 50. 57-70. 10.1016/j.ijinfomgt.2019.04.003.
- Lestari, Vivin & Ananta, Ahmad & Basudewa, Padang. (2023). Sistem Informasi Prediksi Persediaan Obat Di Apotek Naylun Farma Menggunakan Holt-Winters. *Jurnal Informatika Polinema*, 9(2), 229–236. <https://doi.org/10.33795/jip.v9i2.1289>.
- Li, C., Fang, X., Yan, Z., Huang, Y., & Liang, M. (2023). Research on Gas Concentration Prediction Based on the ARIMA-LSTM Combination Model. *Processes*.

- Ma, Qihang. (2020). Comparison of ARIMA, ANN and LSTM for Stock Price Prediction. E3S Web of Conferences; Les Ulis, Vol. 218, (2020). DOI:10.1051/e3sconf/202021801026
- Manaswi, N. K. (2018). Deep Learning with Applications Using Python. Apress.
- Mansyur, dan Rohadi, Erfan. (2015). Sistem Informasi Peramalan Stok Barang Di CV. Annora Asia Menggunakan Metode Double Exponential Smoothing. Jurnal Informatika Polinema, vol. 2, no. 1, 2015, doi:10.33795/jip.v2i1.54.
- Margana, M. S., Aziz Ramdhani, M. A., Gitsni, M. F., Haikal Kamil, M. R., Sandrina, N. G. ., & Wardiyah, M. L. (2024). Pengaruh Statistik Inferensial dalam Pengambilan Keputusan Investasi. JISMA: Jurnal Ilmu Sosial, Manajemen, Dan Akuntansi, 3(1), 1307–1314. Diambil dari <https://melatijournal.com/index.php/jisma/article/view/544>
- Margono. (2004). Metodologi Penelitian Pendidikan. Jakarta: Rineka Cipta.
- Maulidah, S. (2012). Peramalan (forecasting) permintaan. Malang: Lab of Agribusiness Analysis and Management Faculty of Agriculture, Universitas Brawijaya.
- Maulid, Reyvan (2022). Teknik Analisis Data CRISP-DM dalam Data Mining. Vol. 11 Series. 07. <https://dqlab.id/teknik-analisis-data-crisp-dm-dalam-data-mining>
- Montgomery, D.C., Jennings, C.L., dan Kulahci, M. (2015). Introduction to time series analysis and forecasting. 2th Edition. John Wiley & Sons, New Jersey.
- Musbikhin, Ahmad (2020). Prediksi Tinggi Permukaan Air Laut Menggunakan Model Arima Untuk Daerah Pesisir.
- Nelson, Daniel (2020). Apa itu RNN dan LSTM dalam Deep Learning?. 23 Agustus 2020. <https://www.unite.ai/id/apa-itu-rnns-dan-lstms-dalam-pembelajaran-mendalam/>

- Pamela, Dina S (2019). Pedoman Penyusunan Rancangan Kebutuhan Obat dan Pengendalian Persediaan Obat di Rumah Sakit. Jakarta: Kementerian Kesehatan RI Direktorat Jenderal Kefarmasian dan Alat Kesehatan
- Pricillia, T. & Zulfachmi (2021). Perbandingan Metode Pengembangan Perangkat Lunak (Waterfall, Prototype, RAD).
- Putri, Efrike & Sadikin, Mujiono. (2021). Prediksi Penjualan Produk Untuk Mengestimasi Kebutuhan Bahan Baku Menggunakan Perbandingan Algoritma LSTM dan ARIMA. *Format Jurnal Ilmiah Teknik Informatika*. 10. 162. 10.22441/format.2021.v10.i2.007.
- Ramadhani, S., Dhini, A., & Laoh, E. (2020, November 24–25). Airline passenger forecasting using ARIMA and artificial neural networks approaches. In 2020 International Conference on ICT for Smart Society (ICISS) (pp. 1–5). IEEE. <https://doi.org/10.1109/ICISS50791.2020.9307571>
- Rathipriya, R., Aziz, A., Rahman, A., Dhamodharavadhani, •S., Meero, A., Yoganandan, •G., & Yoganandan, G. (2022). Demand forecasting model for time-series pharmaceutical data using shallow and deep neural network model. *Neural Computing & Applications*, 35, 1945 - 1957.
- Razali, N. M., & Wah, Y. B. (2011). Power comparisons of Shapiro-Wilk, Kolmogorov-Smirnov, Lilliefors and Anderson-Darling tests. *Journal of Statistical Modeling and Analytics*, 2(1), 21–33.
- Ryan, T.J.J. (2020). LSTMs Explained: A Complete, Technically Accurate, Conceptual Guide with Keras. <https://medium.com/analytics-vidhya/lstms-explained-a-complete-technically-accurate-conceptual-guide-with-keras-2a650327e8f2>
- Safira, P.Amera. (2021). Apa itu Framework? Pengertian, Manfaat, & Jenisnya. 2 Juli 2021. <https://www.goldenfast.net/blog/apa-itu-framework/>
- Sanders, N. (2016). *Forecasting Fundamentals*. Business Expert Press. <https://books.google.co.id/books?id=4mx8DQAAQBAJ>

- Scharf, Davida & Dera, Joanne. (2021). Question formulation for information literacy: Theory and practice, *The Journal of Academic Librarianship*, Volume 47, Issue 4, 2021, <https://doi.org/10.1016/j.acalib.2021.102365>.
- Schröer, Christoph & Kruse, Felix & Marx Gómez, Jorge. (2021). A Systematic Literature Review on Applying CRISP-DM Process Model. *Procedia Computer Science*. 181. 526-534. [10.1016/j.procs.2021.01.199](https://doi.org/10.1016/j.procs.2021.01.199).
- Shapiro, S. S., & Wilk, M. B. (1965). An analysis of variance test for normality (complete samples). *Biometrika*, 52(3/4), 591–611. <https://doi.org/10.2307/2333709>
- Sharma, A., & Singh, K. (2024). ARIMA-Based forecasting of monthly rainfall in Mandi district, Himachal Pradesh. *Water Supply*.
- Sheskin, D.J. (2011). *Handbook of Parametric and Nonparametric Statistical Procedures*, Fifth Edition (5th ed.). Chapman and Hall/CRC. <https://doi.org/10.1201/9780429186196>
- S. Siامي-Namini, N.Tavakoli, and A.Siami-Namin. (2019). A Comparison of ARIMA and LSTM in Forecasting Time Series. *Proc.-17th IEEE Conf. Mach. Learn. Appl. ICMLA 2018*, pp. 1394-1401, 2019, doi: 10.1109/ICMLA.2018. 00227.
- Siddiqui, R., Azmat, M., Ahmed, S., & Kummer, S. (2021). A hybrid demand forecasting model for greater forecasting accuracy: the case of the pharmaceutical industry. *Supply Chain Forum: An International Journal*. <https://doi.org/10.1080/16258312.2021.1967081>.
- Sugiarto dan Harijono. (2000). *Peramalan Bisnis*. Jakarta: PT. Gramedia Pustaka Utama.
- Sugiyono (2018). *Metode Penelitian Kuantitatif, Kualitatif dan R & D*. Bandung: Alfabeta.
- Sunyoto, Danang (2012). *Dasar-dasar Manajemen Pemasaran Konsep, Strategi, dan Kasus*. Yogyakarta: CAPS.

- Sutton, J., & Austin, Z. (2015). Qualitative Research: Data Collection, Analysis, and Management. *The Canadian Journal of Hospital Pharmacy*, 68(3). <https://doi.org/10.4212/CJHP.V68I3.1456>.
- Temür AS, Akgün M, Temür G (2019). Predicting Housing Sales in Turkey Using Arima, Lstm and Hybrid Models. *Journal of Business Economics and Management*. 2019 Dec; 20(5):920–38.
- Utami, Y. (2023). Uji validitas dan uji reliabilitas instrumen penilaian kinerja dosen. *Jurnal Sains dan Teknologi*, 4(2), 21–24. <https://doi.org/10.55338/saintek.v4i2.730>
- Widiyanto, Wahyu. (2018). Analisa Metodologi Pengembangan Sistem Dengan Perbandingan Model Perangkat Lunak Sistem Informasi Kepegawaian Menggunakan Waterfall Development Model, Model Prototype, Dan Model Rapid Application Development (Rad). 4. 2442-7942.
- Wirth, R., & Hipp, J. (2000, April 11–13). CRISP-DM: Towards a standard process model for data mining. In *Proceedings of the 4th International Conference on the Practical Applications of Knowledge Discovery and Data Mining* (pp. 29–40). Manchester, UK.
- Xu, D., Zhang, Q., Ding, Y., & Zhang, D. (2022). Application of a hybrid ARIMA-LSTM model based on the SPEI for drought forecasting. *Environmental Science and Pollution Research*, 29, 4128-4144.
- Yashwanth, N. V. S. (2021). Evaluation metrics & Model Selection in Linear Regression. Medium. Yashwanth, N. V. S. (2021, January 1). Evaluation metrics & Model Selection in Linear Regression. <https://towardsdatascience.com/evaluationmetrics-model-selection-in-linear-regression-73c7573208be>
- Yurtsever, Mustafa & çiçekli, Ural. (2022). A Novel Hybrid Model Using Arima and Lstm for Sales Forecasting.

Zulhamidi, Z., & Hardianto, R. (2018). Peramalan Penjualan Teh Hijau Dengan Metode Arima (Studi Kasus Pada Pt. Mk). *Penelitian dan Aplikasi Sistem dan Teknik Industri*, vol. 11, no. 3.