

DAFTAR PUSTAKA

- Adam, A. (2022). Aplikasi Pendaftaran Mahasiswa Baru Menggunakan Metode Forecasting. *Jekin - Jurnal Teknik Informatika*, 2(1), 9–15. <Https://Doi.Org/10.58794/Jekin.V2i1.92>
- Akid, H., Frey, G., Ayed, M. B., & Lachiche, N. (2022). Performance Of Nosql Graph Implementations Of Star Vs. Snowflake schemas. *Ieee Access*, 10, 48603–48614. <Https://Doi.Org/10.1109/Access.2022.3171256>
- Akkem, Y., Kumar, B. S., & Varanasi, A. (2023). Streamlit Application for Advanced Ensemble Learning Methods in Crop Recommendation Systems – A Review and Implementation. *Indian Journal of Science and Technology*, 16(48), 4688–4702. <https://doi.org/10.17485/ijst/v16i48.2850>
- Aktorina, W., Fitria, W., & Ghalib, K. (2023). Analisa Karakteristik Kecelakaan Dan Faktor Penyebab Kecelakaan Akibat Jalan Di Provinsi Jambi. *Jurnal Ilmiah Telsinas Elektro Sipil Dan Teknik Informasi*, 6(1), 11–19. <Https://Doi.Org/10.38043/Telsinas.V6i1.4221>
- Alharbi, F. R., & Csala, D. (2022). A Seasonal Autoregressive Integrated Moving Average with Exogenous Factors (SARIMAX) Forecasting Model-Based Time Series Approach. *Inventions*, 7(4), 94. <https://doi.org/10.3390/inventions7040094>
- Al-Okaily, A., Ping, T., & Al-Okaily, M. (2021). Towards Business Intelligence Success Measurement in an Organization: A Conceptual study. *Journal of System and Management Sciences*. <https://doi.org/10.33168/jsms.2021.0210>
- Al-Rahman, S. Q. A., Hasan, E. H., & Sagheer, A. M. (2022). Design And Implementation Of The Web (Extract, Transform, Load) Process In *Data warehouse* Application. *Iaes International Journal Of Artificial Intelligence*, 12(2), 765. <Https://Doi.Org/10.11591/Ijai.V12.I2.Pp765-775>
- Bany Mohammad, A., Al-Okaily, M., Al-Majali, M., & Masa'deh, R. (2022). Business Intelligence and Analytics (BIA) usage in the banking industry sector: An application of the toe framework. *Journal of Open Innovation: Technology, Market, and Complexity*, 8(4), 189. <https://doi.org/10.3390/joitmc8040189>

- Batko, K., & Ślęzak, A. (2022). The Use Of Big Data Analytics In Healthcare. *Journal Of Big Data*, 9(1). <Https://Doi.Org/10.1186/S40537-021-00553-4>
- Bharadiya, J. P. (2023). A Comparative Study Of *Business intelligence* And Artificial Intelligence With Big Data Analytics. *American Journal Of Artificial Intelligence*. <Https://Doi.Org/10.11648/J.Ajai.20230701.14>
- Buananta, S. E. A., Chowanda, A., & Little Lion Scientific. (2021). Bi *Dashboard To Support Decision Making On Product Promotion For Payment/Purchase Transactions On E-Banking*. *Journal Of Theoretical And Applied Information Technology*, Vol.99(No 15). <Https://Www.Jatit.Org/Volumes/Vol99no15/5vol99no15.Pdf>
- Card, S., Mackinlay, J., & Shneiderman, B. (Eds.). (1999). *Readings in information visualization: Using vision to think* (pp. 295-305). Morgan Kaufmann Publishers.
- Cubukcu, U., Erdogan, O., Pathak, S., Sannakkayala, S., & Slot, M. (2021). Citus. *Proceedings of the 2022 International Conference on Management of Data*, 2490–2502. <https://doi.org/10.1145/3448016.3457551>
- Dani, H. (2022). Review on Frameworks Used for Deployment of Machine Learning Model. *International Journal for Research in Applied Science and Engineering Technology*, 10(2), 211–215. <https://doi.org/10.22214/ijraset.2022.40222>
- Davis, J. F., Piovoso, M. J., Hoo, K. A., & Bakshi, B. R. (1999). Process data analysis and interpretation. In *Advances in chemical Engineering* (Vol. 25, pp. 1-103). Academic Press.
- Eboigbe, N. E. O., Farayola, N. O. A., Olatoye, N. F. O., Nnabugwu, N. O. C., & Daraojimba, N. C. (2023). *Business intelligence Transformation Through Ai And Data Analytics*. *Engineering Science & Technology Journal*, 4(5), 285–307. <Https://Doi.Org/10.51594/Estj.V4i5.616>
- Elda, Y., Defit, S., Yunus, Y., & Syaljumairi, R. (2021). Klasterisasi Penempatan Siswa Yang Optimal Untuk Meningkatkan Nilai Rata-Rata Kelas Menggunakan K-Means. *Jurnal Informasi Dan Teknologi*, 103–108. <Https://Doi.Org/10.37034/Jidt.V3i3.130>

- Fan, C., Chen, M., Wang, X., Wang, J., & Huang, B. (2021). *A Review on Data Preprocessing Techniques Toward Efficient and Reliable Knowledge Discovery From Building Operational Data*. 9(March), 1–17. <https://doi.org/10.3389/fenrg.2021.652801>
- Few, S. (2006). *Information dashboard design: The effective visual communication of data* (pp. 31–34). O'Reilly Media.
- Gaol, F. L., Abdillah, L., & Matsuo, T. (2020). Adoption Of Business intelligence To Support Cost Accounting Based Financial Systems — Case Study Of Xyz Company. *Open Engineering*, 11(1), 14–28. <Https://Doi.Org/10.1515/Eng-2021-0002>
- Gaspersz, V. (2005). PPIC Berdasarkan Pendekatan Sistem Terintegrasi MRP II dan JIT Menuju Manufaktur 21 (Fifth Edit). Jakarta: Gramedia Pustaka Utama.
- Ghani, R. A., & Kurniawan, R. (2024). Implementasi Extract, Transform, Load Process Pada Perancangan Data Warehouse Terkait Kualitas Pendidikan Di Kabupaten Serang. *Jati (Jurnal Mahasiswa Teknik Informatika)*, 8(2), 2083–2090. <https://doi.org/10.36040/jati.v8i2.9081>
- Ghiffary, G. G., Yanuari, E. D. D., Notodiputro, K. A., Angraini, Y., & Mualifah, L. N. A. (2025). Comparative Performance Of Sarimax And Lstm Model In Predicting Import Quantities Of Milk, Butter, And Eggs. *Barekeng Jurnal Ilmu Matematika Dan Terapan*, 19(1), 407–418. <https://doi.org/10.30598/barekengvol19iss1pp407-418>
- Hadri, S., Najib, M., Bakhuya, M., Fakhri, Y., & El Arroussi, M. (2021). Performance evaluation of forecasting strategies for electricity consumption in buildings. *Energies*, 14(18). <https://doi.org/10.3390/en14185831>
- Herlawati, H. (2024). Learning Tools for Artificial Intelligence Implementation. *PIKSEL : Penelitian Ilmu Komputer Sistem Embedded and Logic*, 12(1), 79–88. <https://doi.org/10.33558/piksel.v12i1.9476>
- Hu, H., Yin, M., & Li, J. (2022). Evolution Of Business intelligence: An Analysis From The Perspective Of Social Network. *Tehnicki Vjesnik - Technical Gazette*, 29(2). <Https://Doi.Org/10.17559/Tv-20210819071232>

- Inmon, W. H. (2005). *Building the data warehouse* (4th ed., pp. 31–33).
- Ishak, 2010. Pemasaran Jasa, Malang: Bayumedia Publishing
- Kimball, R., & Caserta, J. (2004). *The data warehouse ETL toolkit: Practical techniques for extracting, cleaning, conforming, and delivering data* (pp. xxi, 23).
- Khan, B., Jan, S., Khan, W., & Chughtai, M. I. (2024). An Overview of ETL Techniques, Tools, Processes and Evaluations in Data Warehousing. *Journal on Big Data*, 6(1), 1–20. <https://doi.org/10.32604/jbd.2023.046223>
- Knaflic, C. N. (2015). *Storytelling with data: A data visualization guide for business professionals* (pp. 133–135). John Wiley & Sons.
- Kuang, S. (2023). A Comparison of Linear Regression, LSTM model and ARIMA model in Predicting Stock Price A Case Study: HSBC's Stock Price. *BCP Business & Management*, 44, 478–488. <https://doi.org/10.54691/bcpbm.v44i.4858>
- Lamer, A., Saint-Dizier, C., Paris, N., & Chazard, E. (2024). Data Lake, *Data warehouse*, Datamart, And Feature Store: Their Contributions To The Complete Data Reuse Pipeline. *Jmir Medical Informatics*, 12, E54590. <Https://Doi.Org/10.2196/54590>
- Lind, D. A., Marchal, W. G., & Wathen, S. A. (2008). *Statistical techniques in business & economics* (15th ed., pp. 465–466). McGraw-Hill/Irwin.
- Lv, C., An, S., Qiao, B., & Wu, W. (2021). Time series analysis of hemorrhagic fever with renal syndrome in mainland China by using an XGBoost forecasting model. *BMC Infectious Diseases*, 21(1). <https://doi.org/10.1186/s12879-021-06503-y>
- Maharana, K., Mondal, S., & Nemade, B. (2022). A review: Data pre-processing and data augmentation techniques. *Global Transitions Proceedings*, 3(1), 91–99. <https://doi.org/10.1016/j.gltlp.2022.04.020>
- Malik, S. (2005). *Enterprise dashboards: Design and best practices for IT* (pp. 79–85). John Wiley & Sons.
- McCormick, B. H. (1988). Visualization in scientific computing. *ACM SIGBIO Newsletter*, 10(1), 15–21. <https://doi.org/10.1145/43965.43966>

- Niggemann, O., Beyerer, J., Krantz, M., & Kühnert, C. (2024). Machine Learning For Cyber-Physical Systems: Selected Papers From The International Conference MI4cps 2023. Springer Nature.
- Noorunnahar, M., Chowdhury, A. H., & Mila, F. A. (2023). A Tree Based Extreme Gradient Boosting (Xgboost) Machine Learning Model To Forecast The Annual Rice Production In Bangladesh. Plos One, 18(3), E0283452. <Https://Doi.Org/10.1371/Journal.Pone.0283452>
- Noviantoro, A., Silviana, A. B., Fitriani, R. R., & Permatasari, H. P. (2022). Rancangan Dan Implementasi Aplikasi Sewa Lapangan Badminton Wilayah Depok Berbasis Web. Jurnal Teknik Dan Science, 1(2), 88–103. <Https://Doi.Org/10.56127/Jts.V1i2.108>
- Nurfarisi, R. (2022). Visualisasi Data Covid-19 Klinik Marisehat Menggunakan Microsoft Power Bi. Prosiding Seminar Nasional Teknologi Informasi Dan ..., 146–149. <Http://Ojs.Udb.Ac.Id/Index.Php/Senatib/Article/Download/1794/1412>
- Ogunsola, K. O., Balogun, E. D., & Ogunmokun, A. S. (2022). *Developing an Automated ETL Pipeline Model for Enhanced Data Quality and Governance in Analytics* Developing an Automated ETL Pipeline Model for Enhanced Data Quality and Governance in Analytics. January. <https://doi.org/10.54660/.IJMRGE.2022.3.1.791-796>
- Panyahuti, P., & Yadi, Y. (2022). Pengembangan Aplikasi E-Assessment Skill Programming Berbasis Web. Edumatic Jurnal Pendidikan Informatika, 6(1), 78–87. <Https://Doi.Org/10.29408/Edumatic.V6i1.5393>
- Pluto-Kossakowska, J., Fijałkowska, A., Denis, M., Jaroszewicz, J., & Krzysztofowicz, S. (2022). Dashboard as a Platform for Community Engagement in a City Development—A Review of Techniques, Tools and Methods. *Sustainability*, 14(17), 10809. <https://doi.org/10.3390/su141710809>
- Putranto, A., Azizah, N. L., & Ratna Ika, A. I. (2023). Sistem Prediksi Penyakit Jantung Berbasis Web Menggunakan Metode Svm Dan Framework Streamlit. Jurnal Penerapan Sistem Informasi (Komputer & Manajemen), 4(2), 442–452. <Https://Archive.Ics.Uci.Edu/Ml/Datasets/Heart+Disease>

- Qu, W. (2020). *On-Demand ETL for Real-Time Analytics* (By Technische Universität Kaiserslautern, Department of Computer Science, & J. Schmitt).
- Radhi, M., Amalia, A., Sitompul, D. R. H., Sinurat, S. H., & Indra, E. (2022). Analisis Big Data Dengan Metode Exploratory Data Analysis (Eda) Dan Metode Visualisasi Menggunakan Jupyter Notebook. *Jurnal Sistem Informasi Dan Ilmu Komputer Prima(Jusikom Prima)*, 4(2), 23–27. <Https://Doi.Org/10.34012/Jurnalsisteminformasidanilmukomputer.V4i2.2475>
- Ravshanovich, A. R. (2024, September 15). *View of DATABASE STRUCTURE: POSTGRESQL DATABASE. PSIXOLOGIYA VA SOTSILOGIYA ILMYI JURNALI.* Retrieved December 26, 2024, from <https://bestpublication.net/index.php/psixsot/article/view/104/93>
- Render, B., & Heizer, J. (2005). *Operations management* (8th ed., p. 138). Pearson Education.
- Ritonga, N. A., & Yahfizham, N. Y. (2023). Studi Literatur Perbandingan Bahasa Pemrograman C++ Dan Bahasa Pemrograman Python Pada Algoritma Pemrograman. *Jurnal Teknik Informatika Dan Teknologi Informasi*, 3(3), 56–63. <Https://Doi.Org/10.55606/Jutiti.V3i3.2863>
- Rohith, K. S., Vamshi, S., Bharathi, M., & Srinivas, T. A. S. (2024). *From chaos to clarity: Building a Python data ETL pipeline*. *Recent Trends in Information Technology and its Application*, 7(2), 127–130.
- Romero, C. a. T., Ortiz, J. H., Khalaf, O. I., & Prado, A. R. (2021). Business Intelligence: Business Evolution after Industry 4.0. *Sustainability*, 13(18), 10026. <Https://doi.org/10.3390/su131810026>
- Saputra, M. A. R., Febriawan, D., & Hasan, F. N. (2023). Penerapan *Business intelligence* Untuk Menganalisis Data Kasus Covid-19 Di Provinsi Jawa Barat Menggunakan Platform Google Data Studio. *Jurnal Ilmiah Komputasi*, 22(2). <Https://Doi.Org/10.32409/Jikstik.22.2.3362>
- Seenivasan, D. (2023). Real-Time Data Processing with Streaming ETL. *International Journal of Science and Research (IJSR)*, 12(11), 2185–2192. <Https://doi.org/10.21275/sr24619000026>

- Sirisha, U. M., Belavagi, M. C., & Attigeri, G. (2022). Profit Prediction Using ARIMA, SARIMA and LSTM Models in Time Series Forecasting: A Comparison. *IEEE Access*, 10, 124715–124727. <https://doi.org/10.1109/ACCESS.2022.3224938>
- Subagyo, Pangestu. (2002). *Forecasting: Konsep dan Aplikasi*. BPFE, Yogyakarta
- Sugiyono. (2017). Metode Penelitian Kuantitatif, Kualitatif, Dan R&D. Alfabeta.
- Sulistijanti, W., & Khotimah, N. (2024). Comparing time series predictions of COVID-19 deaths using SARIMAX, Neural Network, and XGBoost. *Asian Journal of Engineering Social and Health*, 3(12), 2751–2758. <https://doi.org/10.46799/ajesh.v3i12.481>
- Syafarina, G. A., & Zaenuddin, Z. (2023). Implementasi Framework Streamlit Sebagai Prediksi Harga Jual Rumah Dengan Linear Regresi. *Metik Jurnal*, 7(2), 121–125. <Https://Doi.Org/10.47002/Metik.V7i2.608>
- Ta'a, A., Ishak, N., Elias, E. M., & Mahidin, N. (2022). An Impact Analysis Of Extract Transform Load Process For Maintaining The System Of Data warehouse. *Journal Of Information System And Technology Management*, 7(27), 168–186. <Https://Doi.Org/10.35631/Jistm.727014>
- Tufte, E. R. (2001). *The visual display of quantitative information* (2nd ed., pp. 51, 53, 93). Graphics Press.
- Wu, H., Chen, S., & Ding, Y. (2023). Comparison of ARIMA and LSTM for Stock Price Prediction. *Financial Engineering and Risk Management*, 6(1), 1–7. <https://doi.org/10.23977/ferm.2023.060101>
- Yumni, S. Z., & Widowati, W. (2021). Implementasi Microsoft Power BI Dalam Memantau Kehadiran dan Transportasi Pegawai. *Jurnal Sains Dan Edukasi Sains*, 4(1), 1–8. <https://doi.org/10.24246/juses.v4i1p1-8>
- Zein, A., & Eriana, E. S. (2023). *Perencanaan Dashboard Untuk Monitoring Kinerja Dosen Menggunakan Metode Noetix dan Rasmussen Pada Fakultas Ilmu Komputer Universitas Pamulang*. 33(2), 9–15.
- Zhao, Y. (2023). Comparison of Stock Price Prediction in Context of ARIMA and Random Forest Models. *BCP Business & Management*, 38, 1880–1885. <https://doi.org/10.54691/bcpbm.v38i.3996>

Zulfialda, D. H., Nugroho, C. A., Malasan, H. L., Komputasi, S., & Alam, P. (2025).
Journal la multiapp. 06(01), 1–11.
<https://doi.org/10.37899/journallamultiapp.v6i1.1841>

