

DAFTAR PUSTAKA

- Abellera, R., & Bulusu, L. (2018). *Oracle Business Intelligence with Machine Learning*. Apress. <https://doi.org/10.1007/978-1-4842-3255-2>
- Abuzairi, T., Nurdina Widanti, Arie Kusumaningrum, & Yeni Rustina. (2021). Implementasi Convolutional Neural Network Untuk Deteksi Nyeri Bayi Melalui Citra Wajah Dengan YOLO. *Jurnal RESTI (Rekayasa Sistem dan Teknologi Informasi)*, 5(4), 624–630. <https://doi.org/10.29207/resti.v5i4.3184>
- Akande, Y. F., Idowu, J., Misra, A., Misra, S., Akande, O. N., & Ahuja, R. (2022). Application of XGBoost Algorithm for Sales Forecasting Using Walmart Dataset. Dalam T. Sengodan, M. Murugappan, & S. Misra (Ed.), *Advances in Electrical and Computer Technologies* (Vol. 881, hlm. 147–159). Springer Nature Singapore. https://doi.org/10.1007/978-981-19-1111-8_13
- Akbar, M. (2025). *Bitcoin Price Forecasting using Seasonal Log-Differenced XGBoost with 2014–2025 Data*. 14.
- Amalia, L. F., & S, A. M. (2022). *Analisis Pengendalian Persediaan Bahan Baku dengan Menggunakan Metode Economic Order Quantity (EOQ) di PT. XYZ*. 8. <https://doi.org/10.5281/zenodo.6413470>
- Amosu, O. R., Kumar, P., Ogunsuji, Y. M., Oni, S., & Faworaja, O. (2024). AI-driven demand forecasting: Enhancing inventory management and customer satisfaction. *World Journal of Advanced Research and Reviews*, 23(2), 708–719. <https://doi.org/10.30574/wjarr.2024.23.2.2394>
- Anbar, L. A., & Wahyudin, W. (2022). Peramalan permintaan tas laptop menggunakan model time series. *Journal Industrial Servicess*, 7(2), 285. <https://doi.org/10.36055/jiss.v7i2.14326>
- Arifin, M., & Adiyono, S. (2024). *Hyperparameter Tuning in Machine Learning to Predicting Student Academic Achievement*. 8(1).
- Astarani, I. G. A. R., & Rahayuda, I. G. S. (2025). *Analisis Perbandingan XGBoost dan LightGBM dalam Prediksi Penjualan Ritel Walmart Store Sales*. 3. <https://doi.org/doi.org/10.24843/JNATIA.2025.v03.i04.p01>
- Bergstra, J., Bergstra, J., Bengio, Y., & Bengio, Y. (2012). *Random Search for Hyper-Parameter Optimization*.
- Bichri, H., Chergui, A., & Hain, M. (2024). Investigating the Impact of Train / Test Split Ratio on the Performance of Pre-Trained Models with Custom Datasets. *International Journal of Advanced Computer Science and Applications*, 15(2). <https://doi.org/10.14569/IJACSA.2024.0150235>
- Champahom, T., Banyong, C., Janhuaton, T., Se, C., Watcharamaisakul, F., Ratanavaraha, V., & Jomnonkwao, S. (2025). Deep Learning vs. Gradient

- Boosting: Optimizing Transport Energy Forecasts in Thailand Through LSTM and XGBoost. *Energies*, 18(7), 1685. <https://doi.org/10.3390/en18071685>
- Chen, T., & Guestrin, C. (2016). *XGBoost: A Scalable Tree Boosting System*. <https://doi.org/10.48550/ARXIV.1603.02754>
- Cordeiro, A., Hussain, M., Ramachandran, T., Beemkumar, N., Kumar, R., Karthikeyan, A., Bupesh Raja, V. K., Thatoi, D. N., Mahapatro, A., Nanda, J., Prakash, C., & Patil, A. Y. (2025). Advancements in Packaging Materials: Trends, Sustainability, and Future Prospects. *Circular Economy and Sustainability*, 5(4), 2959–2990. <https://doi.org/10.1007/s43615-025-00586-4>
- Dankorpo, P. (2024). Sales Forecasting for Retail Business using XGBoost Algorithm. *Journal of Computer Science and Technology Studies*, 6(2), 136–141. <https://doi.org/10.32996/jcsts.2024.6.2.15>
- Desiani, A., Nurhaliza, S., Putri, T. F., & Suprihatin, B. (2025). *Algoritma Extreme Gradient Boosting (XGBoost) dan Adaptive Boosting (AdaBoost) Untuk Klasifikasi Penyakit Tiroid*. 6(2).
- Dhika Malita Puspita Arum, Kartika Imam Santoso, Andri Triyono, Eko Supriyadi, Agus Susilo Nugroho, & Widodo, E. (2025). ALGORITMA RANDOM FOREST, DECISION TREE, DAN XGBOOST UNTUK KLASIFIKASI STUNTING PADA BALITA. *Jurnal Transformatika*, 23(1), 67–76. <https://doi.org/10.26623/transformatika.v23i1.12202>
- Duan, Y., Zhang, J., Wang, X., Feng, M., & Ma, L. (2024). Forecasting carbon price using signal processing technology and extreme gradient boosting optimized by the whale optimization algorithm. *Energy Science & Engineering*, 12(3), 810–834. <https://doi.org/10.1002/ese3.1655>
- Elwirehardja, G. N., Suparyanto, T., & Pardamean, B. (2023). *Pengenalan Konsep Machine Learning Untuk Pemula*.
- Emblem, A., & Hardwidge, M. (2012). Adhesives for packaging. Dalam *Packaging Technology* (hlm. 381–394). Elsevier. <https://doi.org/10.1533/9780857095701.2.381>
- Friedman, J. H. (2001). Greedy function approximation: A gradient boosting machine. *The Annals of Statistics*, 29(5). <https://doi.org/10.1214/aos/1013203451>
- Ghozali, I. (2018). *Aplikasi Analisis Multivariat Dengan Program IBM SPSS 25*. Badan Penerbit Universitas Diponegoro.
- Goltsos, T. E., Syntetos, A. A., Glock, C. H., & Ioannou, G. (2022). Inventory – forecasting: Mind the gap. *European Journal of Operational Research*, 299(2), 397–419. <https://doi.org/10.1016/j.ejor.2021.07.040>

- Hajiar Yuliana. (2024). Hyperparameter Optimization of Random Forest for 5G Coverage Prediction. *Buletin Pos Dan Telekomunikasi*, 22(1). <https://doi.org/10.17933/bpostel.v22i1.390>
- Handayani, A., Jamal, A., & Septiandri, A. A. (2017). Evaluasi Tiga Jenis Algoritme Berbasis Pembelajaran Mesin untuk Klasifikasi Jenis Tumor Payudara. *Jurnal Nasional Teknik Elektro dan Teknologi Informasi (JNTETI)*, 6(4). <https://doi.org/10.22146/jnteti.v6i4.350>
- Handika. (2024). Pemanfaatan Python dan Google Colab Dalam Pembelajaran Statistik Deskriptif. *STKIP Muhammadiyah Pagaram*.
- Hudori, M. (2018). *Formulasi Model Safety Stock dan Reorder Point untuk Berbagai Kondisi Persediaan Material*. (3).
- Indartini, M. & Mutmainah. (2024). *Analisis Data Kuantitatif: Uji Instrumen, Uji Asumsi Klasik, Uji Korelasi, dan Regresi Linier Berganda*. CV. Penerbit Lakeisha.
- Janiesch, C., Zschech, P., & Heinrich, K. (2021). Machine learning and deep learning. *Electronic Markets*, 31(3), 685–695. <https://doi.org/10.1007/s12525-021-00475-2>
- KemenkoPMK. (2026). *Hari Libur Nasional dan Cuti Bersama*. Kementerian Koordinator Bidang Pembangunan Manusia dan Kebudayaan Republik Indonesia. <https://www.kemenkopmk.go.id/>
- Lewis, C. D. (1982). *Industrial and business forecasting methods: A practical guide to exponential smoothing and curve fitting*. Butterworth Scientific.
- Malakouti, S. M., Menhaj, M. B., & Suratgar, A. A. (2023). The usage of 10-fold cross-validation and grid search to enhance ML methods performance in solar farm power generation prediction. *Cleaner Engineering and Technology*, 15, 100664. <https://doi.org/10.1016/j.clet.2023.100664>
- Mardiah, R. S., & Fitrianiingsih, F. (2025). A Comparative Study of Machine Learning Models for Fashion Product Demand Prediction: Exploring Algorithms, Data Splitting, and Feature Engineering. *Applied Information System and Management (AISM)*, 8(1), 141–150. <https://doi.org/10.15408/aism.v8i1.45600>
- Mestika, J. C., Selan, M. O., & Qadafi, M. I. (2022). *Menjelajahi Teknik-Teknik Supervised Learning untuk Pemodelan Prediktif Menggunakan Python*. 99(99).
- Mordor Intelligence. (2025). *Indonesia Industrial Packaging Market – Growth, Trends, and Forecasts (2025–2030)*. <https://www.mordorintelligence.com/industry-reports/indonesia-industrial-packaging-market>

- Murthy, A., R. P. B., M. H. G., Parveen, N., N. B., & Shetty, K. (2022). Model for Predicting Prospective Big-Mart Sales Based on Grid Search Optimization (GSO). *2022 International Conference on Artificial Intelligence and Data Engineering (AIDE)*, 236–241. <https://doi.org/10.1109/AIDE57180.2022.10059929>
- Nasution, A. H., & Monika, W. (2025). *Ilmu Data*. UIR Press.
- Natekin, A., & Knoll, A. (2013). Gradient boosting machines, a tutorial. *Frontiers in Neurorobotics*, 7. <https://doi.org/10.3389/fnbot.2013.00021>
- Neu, Z., Hicks, B., & Gopsill, J. (2024). Operating minimally intelligent agent-based manufacturing systems across the Average demand Interval – coefficient of variation (ADI-CV) demand state space. *Production & Manufacturing Research*, 12(1), 2323479. <https://doi.org/10.1080/21693277.2024.2323479>
- Nugraha, A. C., & Irawan, M. I. (2023). Komparasi Deteksi Kecurangan pada Data Klaim Asuransi Pelayanan Kesehatan Menggunakan Metode Support Vector Machine (SVM) dan Extreme Gradient Boosting (XGBoost). *Jurnal Sains dan Seni ITS*, 12(1), A40–A46. <https://doi.org/10.12962/j23373520.v12i1.107032>
- Nurchayawati, V., Riyondha Aprilian Brahmantyo, & Januar Wibowo. (2023). Manajemen Persediaan Menggunakan Metode Safety Stock dan Reorder Point. *Jurnal Sains dan Informatika*, 89–99. <https://doi.org/10.34128/jsi.v9i1.431>
- Nurchayyo, J. A., & Sasongko, T. B. (2023). Hyperparameter Tuning Algoritma Supervised Learning untuk Klasifikasi Keluarga Penerima Bantuan Pangan Beras. *The Indonesian Journal of Computer Science*, 12(3). <https://doi.org/10.33022/ijcs.v12i3.3254>
- Parmezan, A. R. S., Souza, V. M. A., & Batista, G. E. A. P. A. (2019). Evaluation of statistical and machine learning models for time series prediction: Identifying the state-of-the-art and the best conditions for the use of each model. *Information Sciences*, 484, 302–337. <https://doi.org/10.1016/j.ins.2019.01.076>
- Perkasa, S. A., Nugraha, A. E., & Sa'adah, N. (2026). Analisis Pengendalian Persediaan Bahan Baku Pasir dan Split Menggunakan Metode Statistical Inventory Control pada Industri Beton Ready-Mix. *Factory Jurnal Industri, Manajemen dan Rekayasa Sistem Industri*, 4(3), 361–369. <https://doi.org/10.56211/factory.v4i3.1524>
- Pratama, F., Ali, E., Rahmaddeni, & Agustin, W. (2025). Perbandingan Kinerja Xgboost Dan Lightgbm Dalam Klasifikasi Depresi Pada Mahasiswa Berdasarkan Faktor Demografi Dan Akademik. *Jurnal Algoritma*, 22(2), 53–64. <https://doi.org/10.33364/algoritma/v.22-2.2439>

- R, S. K., M.S., B., & Pachava, V. (2025). Machine Learning-Driven Export Forecasting: A Comparative Analysis for MSME Growth. *Journal of Economics, Innovative Management and Entrepreneurship*, 3(1). <https://doi.org/10.59652/jeime.v3i1.401>
- Rachim, F., Tarno, T., & Sugito, S. (2020). PERBANDINGAN FUZZY TIME SERIES DENGAN METODE CHEN DAN METODE S. R. SINGH (Studi Kasus: Nilai Impor di Jawa Tengah Periode Januari 2014 – Desember 2019). *Jurnal Gaussian*, 9(3), 306–315. <https://doi.org/10.14710/j.gauss.v9i3.28912>
- Rama Samudra, M. S., Marcelina, D., Terttiaavini, Yulianti, E., Coyanda, J. R., & Putri, I. P. (2024). Penerapan Metode Forecasting Dalam Menentukan Prediksi Jumlah Mahasiswa Baru Dengan Menggunakan Single Exponential Smoothing. *Jurnal Ilmiah Informatika Global*, 15(2), 45–51. <https://doi.org/10.36982/jiig.v15i2.3916>
- Sangadji, F. G., Istiningrum, A. A., & Ardiansah, N. (2025). *PENGELOLAAN PERSEDIAAN MATERIAL VITAL OPERASI BERDASARKAN PENDEKATAN AVERAGE DEMAND INTERVAL– COEFFICIENT OF VARIATION*. 5.
- Sari, N. L., & Hasanuddin, T. (2020). *Analisis Performa Metode Moving Average Model untuk Prediksi Jumlah Penderita Covid-19*.
- Sijabat, E. E. (2025). Support Vector Regression-Based Prediction of Rice Production Across Provinces in Sumatra Island. *Brilliance: Research of Artificial Intelligence*, 5(2), 1199–1206. <https://doi.org/10.47709/brilliance.v5i2.7429>
- Silva, N., & Nilsson, F. (2025). Enabling competitiveness in home-delivery through sustainable packaging logistics. *International Journal of Retail & Distribution Management*, 53(13), 75–89. <https://doi.org/10.1108/IJRDM-09-2024-0441>
- Sinaga, H. H., & Agustian, S. (2022). Pebandingan Metode Decision Tree dan XGBoost untuk Klasifikasi Sentimen Vaksin Covid-19 di Twitter. *Jurnal Nasional Teknologi dan Sistem Informasi*, 8(3), 107–114. <https://doi.org/10.25077/TEKNOSI.v8i3.2022.107-114>
- Sugiarto, S. (2025). Optimizing The XGBoost Model with Grid Search Hyperparameter Tuning for Maximum Temperature Forecasting. *Journal of Applied Data Sciences*, 6(4), 2517–2529. <https://doi.org/10.47738/jads.v6i4.885>
- Tantyoko, H., Sari, D. K., & Wijaya, A. R. (2023). PREDIKSI POTENSIAL GEMPA BUMI INDONESIA MENGGUNAKAN METODE RANDOM FOREST DAN FEATURE SELECTION. *IDEALIS: InDonEsiA journal Information System*, 6(2), 83–89. <https://doi.org/10.36080/idealism.v6i2.3036>

- Tarunokusumo, H. I., & Sukania, I. W. (2021). *PERHITUNGAN SAFETY STOCK DAN REORDER POINT BAHAN BAKU UNTUK PRODUKSI ROLLER PADA PT. XYZ*.
- Tarwidi, D., Pudjaprasetya, S. R., Adytia, D., & Apri, M. (2023). An optimized XGBoost-based machine learning method for predicting wave run-up on a sloping beach. *MethodsX*, 10, 102119. <https://doi.org/10.1016/j.mex.2023.102119>
- Taufik, M. I., Darmawan, I., & Pratiwi, O. N. (2025). *ANALISIS PREDIKSI PENENTUAN WAKTU DAN JUMLAH STOK PRODUK DALAM PENJUALAN MENGGUNAKAN ALGORITMA XGBOOST REGRESSION*.
- Tiastama, S. A., & Budi, I. (2024). Perbandingan Random Search dan Algoritma Genetika dalam Penyetelan Hyperparameter XGBoost pada Retail Sales Forecasting. *The Indonesian Journal of Computer Science*, 13(4). <https://doi.org/10.33022/ijcs.v13i4.4285> .
- Wiguna, S., & Alkadri, S. P. A. (2025). *PREDIKSI HARGA SMARTPHONE BERDASARKAN FITUR SMARTPHONE DENGAN RANDOMFORESTREGRESSION*.
- Wijaya, H., Hostiadi, D. P., & Triandini, E. (2024a). *Meningkatkan Prediksi Penjualan Retail Xyz Dengan Teknik Optimasi Random Search Pada Model Xgboost*. 1(2).
- Wijaya, H., Hostiadi, D. P., & Triandini, E. (2024b). Optimization XGBoost Algorithm Using Parameter Tunning in Retail Sales Prediction. *Jurnal Nasional Pendidikan Teknik Informatika (JANAPATI)*, 13(3). <https://doi.org/10.23887/janapati.v13i3.82214>
- Wijoyo, A., Saputra, A. Y., Ristanti, S., Sya'Ban, S. R., Amalia, M., & Febriansyah, R. (2024). *Pembelajaran Machine Learning*. 3(2).