

DAFTAR PUSTAKA

- [1] I. K. Sukhna, B. Miftahurrohman, C. Wulandari, and P. Amelia, "Imputasi Data Temperatur Maksimum Menggunakan Metode Support Vector Regression," *JISKA (Jurnal Inform. Sunan Kalijaga)*, vol. 10, no. 2, pp. 171–185, 2025, doi: 10.14421/jiska.2025.10.2.171-185.
- [2] D. Rosa, D. R. Anamisa, B. K. Khotimah, and M. Y. Hariyawan, "Forecasting of Rice Harvest Results Using SVR Modeling Techniques Forecasting of Rice Harvest Results Using SVR Modeling Techniques," *JAMBURA J. Math.*, vol. 7, no. 1, pp. 84–91, 2025, doi: 10.37905/jjom.v7i1.30592.
- [3] B. P. S. P. Aceh, "(2026, Februari 2). Pada 2025, luas panen padi mencapai 283,18 ribu hektare dengan produksi padi sebanyak 1,62 juta ton gabah kering giling (GKG)." [Online]. Available: <https://aceh.bps.go.id/id/pressrelease/2026/02/02/1191/pada-2025--luas-panen-padi-mencapai-283-18-ribu-hektare-dengan-produksi-padi-sebanyak-1-62-juta-ton-gabah-kering-giling--gkg--.html>
- [4] A. S. Budi, P. H. Susilo, and C. Author, "SVM ALGORITHM FOR PREDICTING RICE YIELDS," *J. Teknol. Inf. dan Pendidik.*, vol. 13, no. 341, 2020, doi: 10.24036/tip.v13i2.
- [5] H. Putra and N. Ulfa, "Penerapan Prediksi Produksi Padi Menggunakan Artificial Neural Network Algoritma Backpropagation," *J. Nas. Teknol. dan Sist. Inf.*, vol. 02, pp. 100–107, 2020, doi: 10.25077/TEKNOSI.v6i2.2020.100-107.
- [6] E. A. Jiya, U. Illiyasu, and A. Mudashiru, "Rice Yield Forecasting : A Comparative Analysis of Multiple Machine Learning Algorithms," vol. 5, no. 2, pp. 785–799, 2023, doi: 10.51519/journalisi.v5i2.506.
- [7] A. Widiarni, "Penerapan Algoritma Support Vector Regression dalam Memprediksi Produksi dan Produktivitas Kelapa Sawit," *J. MEDIA Inform. BUDIDARMA*, vol. 7, no. April, pp. 864–872, 2023, doi: 10.30865/mib.v7i2.6089.
- [8] R. Yunis and I. A. Pardosi, "ENHANCING RICE PRODUCTION PREDICTION : A COMPARATIVE MACHINE LEARNING ANALYSIS OF CLIMATE VARIABLES Jurnal Nasional Pendidikan Teknik Informatika : JANAPATI | 92," *J. Nas. Pendidik. Tek. Inform. JANAPATI*, vol. 13, no. 1, pp. 91–104, 2024, doi: 10.23887/janapati.v13i1.71527.
- [9] V. No, A. Syahreza, N. K. Ningrum, and M. A. Syahrazy, "Perbandingan Kinerja Model Prediksi Cuaca : Random Forest , Support Vector Regression , dan XGBoost," *Edumatic J. Pendidik. Inform.*, vol. 8, no. 2, pp. 526–534, 2024, doi: 10.29408/edumatic.v8i2.27640.
- [10] A. C. Adi Nugroho, Aditya Pramada Wicaksono, "Analysis and Prediction of Relative Humidity Level using Generalized Linear Model," *JITE (J. Informatics Telecommun. Eng.)*, vol. 7, no. July, pp. 221–232, 2023, doi:

10.31289/jite.v7i1.9896.

- [11] B. P. S. P. Aceh., “(2022, Februari 25). Provinsi Aceh Dalam Angka 2022,” 2025. [Online]. Available: <https://aceh.bps.go.id/id/publication/2022/02/25/da6a9c25fb21c5c215819e68/provinsi-aceh-dalam-angka-2022.html>
- [12] B. P. S. P. Aceh., “(2025, Februari 28). Provinsi Aceh Dalam Angka 2025,” 2025. [Online]. Available: <https://aceh.bps.go.id/id/publication/2025/02/28/7f5ac7bf4db9fde8b4644778/provinsi-aceh-dalam-angka-2025.html>
- [13] N. Aditya, I. R. Munthe, and V. Sihombing, “A Comparative Analysis of Machine Learning Algorithms for Predicting Paddy Production,” vol. 8, no. 2, pp. 1200–1207, 2024.
- [14] H. D. Wijaya and S. Dwiasnati, “Implementasi Data Mining dengan Algoritma Naïve Bayes pada Penjualan Obat,” vol. 7, no. 1, pp. 1–7, 2020.
- [15] C. Armayani, A. Fauzi, and H. Sembiring, “IMPLEMENTASI DATA MINING PENGELOMPOKAN JUMLAH DATA PRODUKTIVITAS UBINAN TANAMAN PANGAN CLUSTERING DIKAB LANGKAT (STUDI KASUS : BADAN PUSAT STATISTIK LANGKAT),” vol. 5, no. 1, 2021.
- [16] C. S. Medium, “(2023, September 22). KDD Process in Data Science: A Beginner’s Guide.” [Online]. Available: <https://medium.com/@shawn.chumbar/kdd-process-in-data-science-a-beginners-guide-426d1f0fc062>
- [17] F. Alghifari and D. Juardi, “Penerapan Data Mining Pada Penjualan Makanan Dan Minuman Menggunakan Metode Algoritma Naïve Bayes,” 2021.
- [18] B. G. Sudarsono and M. I. Leo, “ANALISIS DATA MINING DATA NETFLIX MENGGUNAKAN APLIKASI RAPID MINER ANALYSIS DATA MINING NETFLIX DATA USING THE RAPID MINER,” vol. 4, no. 1, pp. 13–21, 2021.
- [19] Kompasiana, “(2022, Oktober 19). Peran Utama dan Metode Data Mini”, [Online]. Available: https://www.kompasiana.com/kuliahmarsita1293/634fcb094addee44de5e90c2/peran-utama-dan-metode-data-mining?page=1&page_images=1
- [20] A. Roihan, P. A. Sunarya, and A. S. Rafika, “Pemanfaatan Machine Learning dalam Berbagai Bidang : Review paper,” vol. 5, no. April, pp. 75–82, 2020.
- [21] N. Nuris, “Analisis Prediksi Harga Rumah Pada Machine Learning Menggunakan Metode Regresi Linear,” *Explor. J. Inform. Komput.*, vol. 14, no. 2, pp. 108–112, 2024, doi: 10.35200/ex.v14i2.123.
- [22] S. Shafiee, L. Martin, I. Burud, J. Arne, M. Alsheikh, and M. Lillemo, “Sequential forward selection and support vector regression in comparison to LASSO regression for spring wheat yield prediction based on UAV imagery,” *Comput.*

- Electron. Agric.*, vol. 183, no. 1432, p. 106036, 2021, doi: 10.1016/j.compag.2021.106036.
- [23] A. M. Soleh and D. D. Domiri, "Support vector regression (svr) method for paddy growth phase modeling using sentinel-1 image data," vol. 16, no. 1, pp. 25–36, 2023, doi: 10.14710/medstat.16.1.25-36.
 - [24] D. Intern, "(2020, Agustus 19). Apa itu Machine Learning? Beserta Pengertian dan Cara Kerjanya," 2020, [Online]. Available: <https://www.dicoding.com/blog/machine-learning-adalah/>
 - [25] J. Surya, S. No, K. Sukajadi, K. Bandung, and J. Barat, "Perbandingan Algoritma Machine Learning dalam Menilai Sebuah Lokasi Toko Ritel," *JATI (Jurnal Mhs. Tek. Inform.)*, vol. 7, no. April, pp. 35–46, 2021.
 - [26] C. A. Rahayu, R. Hartono, and A. Sudiarjo, "PREDIKSI PENDERITA DIABETES MENGGUNAKAN METODE NAIVE BAYES," *JITET (Jurnal Inform. daan Tek. Elektro Ter.)*, vol. 11, no. 3, 2023, doi: 10.23960/jitet.v11i3.3055.
 - [27] M. Kafil and F. T. Industri, "PENERAPAN METODE K-NEAREST NEIGHBORS," vol. 3, no. 2, pp. 59–66, 2019.
 - [28] M. K. Neighbor, "Prediksi penjualan produk unilever menggunakan metode k-nearest neighbor," vol. 06, pp. 155–160, 2021.
 - [29] A. A. Suyono and R. Arief, "Prediksi Indeks Harga Konsumen Komoditas Makanan di Kota Surabaya menggunakan Support Vector Regression," *METIK J.*, vol. 6, no. 1, 2022, doi: 10.47002/metik.v6i1.339.
 - [30] I. F. Riziq, A. R. Dzikrillah, and T. Informatika, "Impelementasi Algoritma LSTM Dan SVR Untuk Prediksi Harga Bitcoin Menggunakan Data Yahoo Finance," *METIK J.*, vol. 9, pp. 284–291, 2025, doi: 10.47002/metik.v9i2.1077.
 - [31] E. Suryani, I. Septiawati, E. Budianita, F. Insani, and L. Oktavia, "Prediksi Jumlah Perceraian Menggunakan Metode Support Vector Regression (SVR)," *J. Comput. Syst. Informatics*, vol. 5, no. 1, pp. 208–217, 2023, doi: 10.47065/josyc.v5i1.4613.
 - [32] P. Menggunakan, "W idy a T ek ni k," vol. 24, no. 2, 2025.
 - [33] B. F. Yusuf, "IMPLEMENTASI ALGORITMA SUPPORT VECTOR REGRESSION DALAM MEMPREDIKSI HARGA SAYURAN KOMODITAS (STUDI KASUS : DESA HEGARMANAH)," *JATI (Jurnal Mhs. Tek. Inform.)*, vol. 8, no. 5, pp. 10608–10614, 2024, doi: 10.36040/jati.v8i5.11034.
 - [34] D. Haryadi *et al.*, "PREDICTION OF BIODIESEL FUEL PRICES USING MULTIPLE LINEAR," vol. 9, no. 2, pp. 180–187, 2024, doi: 10.33480/jitk.v9i2.4381.INTRODUCTION.
 - [35] A. Muis and F. Muhammad, "Pelatihan Text Mining Menggunakan Bahasa Pemrograman Python," pp. 36–46.

- [36] D. A. Manalu, G. Gunadi, and T. Informatika, “Infotech: journal of technology information,” vol. 8, no. 1, pp. 45–54, 2022.
- [37] D. Abdulrachman, V. Yasin, and A. B. Yulianto, “Dashboard sebaran kartu kmiln/diaspora dengan menggunakan python library pandas, numpy, matplotlib dan gradio 1),” *RABIT J. Teknol. dan Sist. Inf. Univrab*, vol. 11, no. 1, pp. 837–846, 2026, doi: 10.36341/rabit.v11i1.7140.
- [38] B. D. S. di R. Dqlab, “(2021, Agustus 24). Library dan Jenis Visualisasi Data dengan Python yang Harus Diketahui.” [Online]. Available: <https://dqlab.id/library-dan-jenis-visualisasi-data-dengan-python-yang-harus-diketahui>
- [39] G. Srihidayati, “Analisis Pengaruh Sektor Pertanian terhadap Pertumbuhan Ekonomi,” vol. 2, no. 1, pp. 21–26, 2022.
- [40] G. H. Sandi, Y. Fatma, and F. I. Kompuer, “PEMANFAATAN TEKNOLOGI INTERNET OF THINGS (IOT) PADA BIDANG PERTANIAN,” vol. 7, no. 1, pp. 1–5, 2023.
- [41] N. Ananda Faridhatul Ulva, Desvina Yulisda, Baidhawi, “Performance Evaluation of Augmented Reality-Based Smart Farming for Rice and Corn Pest Detection,” vol. 9, no. January, pp. 564–572, 2026.
- [42] U. Salamah, R. E. Saputra, and W. A. Saputro, “Kontribusi Generasi Muda Dalam Pertanian Indonesia,” vol. 1, pp. 23–31, 2021.
- [43] M. Batubara and M. M. Pane, “Pengaruh Pertanian terhadap Pendapatan Nasional,” vol. 7, no. 2013, pp. 74–81, 2023.
- [44] ensiklopedia bebas Wikipedia bahasa Indonesia, “Padi.” [Online]. Available: <https://id.wikipedia.org/wiki/Padi>
- [45] A. Hasibuan, S. P. Nasution, F. A. Yani, and H. A. Hasibuan, “Strategi Peningkatan Usaha Tani Padi Sawah Untuk Meningkatkan Perekonomian Masyarakat Desa,” vol. 1, no. 4, pp. 477–490, 2022, doi: 10.55123/abdikan.v1i4.1095.
- [46] WIKIFARMER, “Informasi tentang tanaman padi.” [Online]. Available: <https://wikifarmer.com/library/id/article/informasi-tentang-tanaman-padi>
- [47] J. Publikasi and M. Informatika, “Efektivitas peran balai penyuluh pertanian terhadap produksi padi kecamatan siabu kabupaten mandailing natal,” vol. 1, no. 3, 2022.
- [48] D. P. D. P. A. T. 2025, “(2024). KOMPILASI DATA TANAMAN PANGAN DAN HORTIKULTURA ACEH TAHUN 2024.” [Online]. Available: https://distanbun.acehprov.go.id/media/2025.12/kompilasi_atap_tph_202411.pdf
- [49] E. Lianita, A. Pratama, and A. F. Ulva, “Penerapan Metode K-Means Clustering Untuk Pemetaan Produktivitas Sayur-Sayuran Berbasis Sistem Informasi Geografis Application Of The K-Means Clustering Method For Mapping

- Vegetable Productivity Based On Geographic Information Systems In North Sumatra Pro,” *Justin J. Sist. dan Teknol. Inf.*, vol. 12, no. 2, 2024, doi: 10.26418/justin.v12i2.72934.
- [50] A. Herdiyanti, A. Pratama, and I. Sahputra, “Prediksi Hasil Produksi Minyak Kelapa Sawit dengan Metode Fuzzy Time Series (Studi Kasus : PT . Langkat Nusantara Kepong PKS Kebun Tanjung Keliling),” *Justin J. Sist. dan Teknol. Inf.*, vol. 12, no. 1, pp. 169–174, 2024, doi: 10.26418/justin.v12i1.72373.
- [51] BMKG and S. M. Aceh, “Karakteristik Iklim Aceh.” [Online]. Available: <https://www.bmkgaceh.org/pages/iklim.html>