

DAFTAR PUSTAKA

- [1] A. Ridwan, "Penerapan Algoritma *Naïve Bayes* Untuk Klasifikasi Penyakit Diabetes Mellitus," *J. SISKOM-KB (Sistem Komput. dan Kecerdasan Buatan)*, vol. 4, no. 1, pp. 15–21, 2020, doi: 10.47970/siskom-kb.v4i1.169.
- [2] Erlin, Yulvia Nora Marlim, Junadhi, Laili Suryati, and Nova Agustina, "Deteksi Dini Penyakit Diabetes Menggunakan Machine Learning dengan Algoritma Logistic Regression," *J. Nas. Tek. Elektro dan Teknol. Inf.*, vol. 11, no. 2, pp. 88–96, 2022, doi: 10.22146/jnteti.v11i2.3586.
- [3] E. Oktaviana, B. Nadrati, L. D. Supriyatna, and Z. Zuliardi, "Pemeriksaan Gula Darah Untuk Mencegah Peningkatan Kadar Gula Darah Pada Pasien Diabetes Mellitus," *J. LENTERA*, vol. 2, no. 2, pp. 232–237, 2023, doi: 10.57267/lentera.v2i2.201.
- [4] M. Di and D. Sumberwringin, "EFEKTIFITAS SENAM DIABETES MELLITUS DAN TERAPI TERTAWA TERHADAP PENURUNAN GLUKOSA DARAH PASIEN DIABETES MELITUS DI DESA SUMBERWRINGIN 1.," pp. 11–19, 2025.
- [5] M. Sholeh, D. Andayati, and R. Y. Rachmawati, "Data Mining Model Klasifikasi Menggunakan Algoritma K-Nearest Neighbor Dengan Normalisasi Untuk Prediksi Penyakit Diabetes," *TeIka*, vol. 12, no. 02, pp. 77–87, 2022, doi: 10.36342/teika.v12i02.2911.
- [6] S. S. Sivasankari, J. Surendiran, N. Yuvaraj, M. Ramkumar, C. N. Ravi, and R. G. Vidhya, "Classification of Diabetes using *Multi-layer Perceptron*," *IEEE Int. Conf. Distrib. Comput. Electr. Circuits Electron. ICDCECE 2022*, pp. 1–5, 2022, doi: 10.1109/ICDCECE53908.2022.9793085.
- [7] K. S. Gill, V. Anand, D. Upadhyay, and S. Dangi, "Diabetes Classification Using XG Boost Classification Techniques Through Machine Learning based SMOTE Analysis," *2024 3rd Int. Conf. Innov. Technol. INOCON 2024*, pp. 1–4, 2024, doi: 10.1109/INOCON60754.2024.10512046.
- [8] V. Vipin, K. Trivedi, and S. Koley, "Optimization of parameters of the OWC wave energy converter device using MLP and XGBoost models," *Results Phys.*, vol. 55, no. June, p. 107163, 2023, doi: 10.1016/j.rinp.2023.107163.
- [9] R. Yasmeen, L. Khan, and A. Choi, "Heart disease prediction using *hybrid* TabNet architecture with stacked *ensemble* learning," *Front. Physiol.*, vol. 16, no. November, pp. 1–20, 2025, doi: 10.3389/fphys.2025.1665128.
- [10] D. Nurhamsyah *et al.*, "Monitoring Glukosa Secara Berkelanjutan terhadap Ketidakstabilan Kadar Glukosa Darah pada Pasien Diabetes Mellitus Tipe-1 dan Tipe-2," *J. Ilm. Keperawatan Indones.*, vol. 6, no. 2, p. 124, 2023, doi: 10.31000/jiki.v6i2.7917.
- [11] S. E. Sinaga, "Deteksi Dini Hipertensi Dan Diabetes Melitus Dengan Melakukan Pemeriksaan Tekanan," *J. Pengabd. Kesehat.*, vol. 7, no. 1, pp. 385–393, 2024.
- [12] B. Y. -, "Literatur Review : Gula Darah Puasa Pada Penyakit Diabetes Melitus," *J. Farm. Medica/Pharmacy Med. J.*, vol. 6, no. 1, pp. 28–33, 2023, doi: 10.35799/pmj.v6i1.47617.
- [13] Widarti, Z. Armah, Herman, and S. Rahayu, "Faktor Pre-Analitik Pemeriksaan Glukosa 2 Jam PP pada Pasien Diabetes Mellitus di RSUD Haji

- Provinsi Jawa Timur Surabaya,” *J. Media Anal. Kesehat.*, vol. 12, no. 1, pp. 56–65, 2021, doi: 10.32382/jmak.v16i1.1101.
- [14] J. Alzubi, A. Nayyar, and A. Kumar, “Machine Learning from Theory to Algorithms: An Overview,” *J. Phys. Conf. Ser.*, vol. 1142, no. 1, 2018, doi: 10.1088/1742-6596/1142/1/012012.
 - [15] H. Yoon *et al.*, “Multicentre validation of a machine learning model for predicting respiratory failure after noncardiac surgery,” *Br. J. Anaesth.*, vol. 132, no. 6, pp. 1304–1314, 2024, doi: 10.1016/j.bja.2024.01.030.
 - [16] D. Gong and Y. Liu, “A Machine Learning Approach for Botnet Detection Using LightGBM,” *2022 3rd Int. Conf. Comput. Vision, Image Deep Learn. Int. Conf. Comput. Eng. Appl. CVIDL ICCEA 2022*, pp. 829–833, 2022, doi: 10.1109/CVIDLICCEA56201.2022.9824033.
 - [17] S. Badillo *et al.*, “An Introduction to Machine Learning,” *Clin. Pharmacol. Ther.*, vol. 107, no. 4, pp. 871–885, 2020, doi: 10.1002/cpt.1796.
 - [18] R. SAPUTRA, S. SUNARDIYO, A. NUGROHO, and S. SUBIYANTO, “Analisis Arsitektur Jaringan Syaraf Tiruan-Multilayer Perceptron untuk Efektivitas Estimasi Beban Energi Listrik PT. PLN (Persero) UP3 Salatiga,” *ELKOMIKA J. Tek. Energi Elektr. Tek. Telekomun. Tek. Elektron.*, vol. 11, no. 3, p. 664, 2023, doi: 10.26760/elkomika.v11i3.664.
 - [19] S. H. Gulo and A. H. Lubis, “Penerapan Multi-Layer Perceptron untuk Mengklasifikasi Penduduk Kurang Mampu,” *Explorer (Hayward).*, vol. 4, no. 2, pp. 51–59, 2024.
 - [20] S. Rancati *et al.*, “Exploration of Foundational Models for Blood Glucose Forecasting in Type-1 Diabetes Pediatric Patients,” *Diabetology*, vol. 5, no. 6, pp. 584–599, 2024, doi: 10.3390/diabetology5060042.
 - [21] C. Shi, A. K. Chiu, and H. Xu, “Evaluating Designs for Hyperparameter Tuning in Deep Neural Networks,” *New Engl. J. Stat. Data Sci.*, vol. 1, pp. 334–341, 2023, doi: 10.51387/23-nejsds26.
 - [22] A. Acevedo, A. Merino, L. Boldú, and S. Alf, “A new convolutional neural network predictive model for the automatic recognition of hypogranulated neutrophils in myelodysplastic syndromes,” vol. 134, no. April, 2021, doi: 10.1016/j.combiomed.2021.104479.
 - [23] J. Gütter, A. Kruspe, X. X. Zhu, and J. Niebling, “Impact of Training Set Size on the Ability of Deep Neural Networks to Deal with Omission Noise,” vol. 3, no. July, pp. 1–8, 2022, doi: 10.3389/frsen.2022.932431.
 - [24] M. Heitmeier, V. Schmidt, H. P. A. Lensch, and R. H. Baayen, “Is deeper always better? Replacing linear mappings with *deep learning* networks in the Discriminative Lexicon Model,” pp. 1–17, 2024.
 - [25] C. Haryawan and M. M. Sebatubun, “Implementation of Multilayer Perceptron for Student Failure Prediction,” *JUTI J. Ilm. Teknol. Inf.*, vol. 18, no. 2, p. 125, 2020, doi: 10.12962/j24068535.v18i2.a990.
 - [26] K. D. K. Wardhani and M. Akbar, “Diabetes Risk Prediction Using Extreme Gradient Boosting (XGBoost),” *J. Online Inform.*, vol. 7, no. 2, pp. 244–250, 2022, doi: 10.15575/join.v7i2.970.
 - [27] S. Laghmati, S. Hamida, K. Hicham, B. Cherradi, and A. Tmiri, *An improved breast cancer disease prediction system using ML and PCA*, vol. 83, no. 11. 2024. doi: 10.1007/s11042-023-16874-w.
 - [28] S. M. Ganie, P. K. D. Pramanik, M. Bashir Malik, S. Mallik, and H. Qin,

- “An *ensemble* learning approach for diabetes prediction using *boosting* techniques,” *Front. Genet.*, vol. 14, no. October, pp. 1–15, 2023, doi: 10.3389/fgene.2023.1252159.
- [29] L. Deng, S. Yang, L. Jia, and D. Geng, “An *Ensemble* Classification Method Based on a Stacking Strategy for Ship Type Classification with AIS Data,” pp. 1–26, 2025.
- [30] S. Maddury and K. Desai, “DeepAD : A *deep learning* application for predicting amyloid standardized uptake value ratio through PET for Alzheimer ’ s prognosis,” 2022.
- [31] J. Zabel and P. Gorzela, “Using Neural Networks to Predict the Frequency of Traffic Accidents by Province in Poland,” pp. 1–15, 2025.
- [32] T. Decker, M. Lebacher, V. Tresp, and L. M. Universit, “Explaining Deep Neural Networks for Bearing Fault Detection with Vibration Concepts,” 2023.
- [33] K. Budholiya, S. K. Shrivastava, and V. Sharma, “An optimized XGBoost based diagnostic system for effective prediction of heart disease,” *J. King Saud Univ. - Comput. Inf. Sci.*, vol. 34, no. 7, pp. 4514–4523, 2022, doi: 10.1016/j.jksuci.2020.10.013.
- [34] I. Nadheer, “Heart Disease Prediction System using *hybrid* model of Multi-layer perception and XGBoost algorithms,” *BIO Web Conf.*, vol. 97, pp. 1–9, 2024, doi: 10.1051/bioconf/20249700047.
- [35] R. G. Whendasromo and J. Joseph, “Analisis Penerapan Normalisasi Data Dengan Menggunakan Z-Score Pada Kinerja Algoritma K-NN,” *JURIKOM (Jurnal Ris. Komputer)*, vol. 9, no. 4, p. 872, 2022, doi: 10.30865/jurikom.v9i4.4526.
- [36] E. Sutoyo and M. A. Fadlurrahman, “Penerapan SMOTE untuk Mengatasi Imbalance Class dalam Klasifikasi Television Advertisement Performance Rating Menggunakan Artificial Neural Network,” vol. 6, no. 3, pp. 379–385, 2020.
- [37] R. Peranginangin, E. J. G. Harianja, I. K. Jaya, and B. Rumahorbo, “SMOTE: Synthetic Minority Over-sampling Technique Nitesh,” *METHOMIKA J. Manaj. Inform. dan Komputerisasi Akunt.*, vol. 4, no. 1, pp. 67–72, 2020, doi: 10.46880/jmika.vol4no1.pp67-72.
- [38] T. Musvuugwa, M. G. Dlomu, and A. Adebowale, “Big Data in Biodiversity Science: A Framework for Engagement,” *Technologies*, vol. 9, no. 3, pp. 1–20, 2021, doi: 10.3390/technologies9030060.
- [39] A. D. R. Wibisono, E. P. Mandyartha, and M. M. Al Haromainy, “Klasifikasi Penyakit Kulit Berbasis Support Vector Machine Dengan Ekstraksi Fitur Abcd Rule,” *JUPI (Jurnal Ilm. Penelit. dan Pembelajaran Inform.)*, vol. 10, no. 1, pp. 686–698, 2025, doi: 10.29100/jipi.v10i1.6039.