

DAFTAR PUSTAKA

- Abdurrahman, G., Oktavianto, H., & Sintawati, M. (2022). Optimasi Algoritma XGBoost Classifier Menggunakan Hyperparameter Gridsearch dan Random Search Pada Klasifikasi Penyakit Diabetes. *INFORMAL: Informatics Journal*, 7(3), 193. <https://doi.org/10.19184/isj.v7i3.35441>
- Abidin, N. H. Z., Remli, M. A., Ali, N. M., Phon, D. N. E., Yusoff, N., Adli, H. K., & Busalim, A. H. (2020). Improving Intelligent Personality Prediction using Myers-Briggs Type Indicator and Random Forest Classifier. *International Journal of Advanced Computer Science and Applications*, 11(11), 192–199. <https://doi.org/10.14569/IJACSA.2020.0111125>
- Adrian, dr. K. (2024). *Diabetes, Pemeriksaan HbA1c untuk Mendeteksi dan Mengontrol*. Alodokter. <http://alodokter.com/pemeriksaan-hba1c-untuk-mendeteksi-dan-mengontrol-diabetes>
- Ahmeti, I., Misevska, S. J., Mihajlovska, X., Stojkoska, I. M., & Ahmeti, S. (2020). Severe Hypertriglyceridemia and The Risk for Acute Pancreatitis Treated with Fluids and Rapid Insulin in Type 2 Diabetes and Non-Diabetic Patients. *Journal of Diabetes & Metabolism*, 11, 4–7. <https://doi.org/10.35248/2155-6156.20.11.855>. Copyright
- Banurea, M., Hutagao, D. B., & Sihombing, O. (2023). Klasifikasi Penyakit Stunting Dengan Menggunakan Algoritma Support Vector Machine Dan Random Forest. *Jurnal TEKINKOM*, 6(2), 540–549. <https://doi.org/10.37600/tekinkom.v6i2.927>
- Breiman, L. E. O. (2001). *Random Forests*. 5–32.
- Care, D., & Suppl, S. S. (2022). 2 . *Classification and Diagnosis of Diabetes : Standards of Medical Care in Diabetes — 2022*. 45(January), 17–38.
- Chen, T., & Guestrin, C. (2016). *XGBoost : A Scalable Tree Boosting System*. 785–794. <https://doi.org/10.1145/2939672.2939785>
- Davidson, M. H. (2025). *Hipolipidemia*. Merck & Co., Inc. <https://www.msdmanuals.com/professional/endocrine-and-metabolic-disorders/lipid-disorders/hypolipidemia>

- Elbehairy, H., Ebrahim, M. A., Eassa, M., Abdelhafeez, A., Omar, A., & Mahmoud, H. (2025). *Improving Heart Disease Prediction Accuracy through Machine Learning Algorithms*. 14, 736–755. <https://doi.org/10.19139/soic-2310-5070-2319>
- Fatima, S., Hussain, A., Amir, S. Bin, Ahmed, S. H., & Aslam, S. M. H. (2023). XGBoost and Random Forest Algorithms: An in Depth Analysis. *Pakistan Journal of Scientific Research*, 3(1), 26–31. <https://doi.org/10.57041/pjosr.v3i1.946>
- Grinsztajn, L., & Oyallon, E. (2022). *Why do tree-based models still outperform deep learning on tabular data ?*
- Gupta, H. S. P. R. M. (2024). *Klirens Kreatinin*. StatPearls Publishing LLC. <https://www.ncbi.nlm.nih.gov/books/NBK544228/>
- Halodoc, R. (2026a). *Berapa Nilai Normal LDL Kolesterol yang Ideal?* Halodoc. <https://chatgpt.com/c/6a58e19b-0a30-83ec-ab5a-76704f0cbe48>
- Halodoc, R. (2026b). *Kategori IMT Kemenkes: Cek Status Gizi Idealmu Yuk!* Halodoc. <https://www.halodoc.com/artikel/kategori-imt-kemenkes-cek-status-gizi-idealmu-yuk>
- Halodoc, R. (2026c). *Kolesterol Paling Tinggi Berapa? Ini Angka Berbahaya.* Halodoc. <https://chatgpt.com/c/6a58e19b-0a30-83ec-ab5a-76704f0cbe48>
- Halodoc, R. (2026d). *VLDL Kolesterol: Trigliserida, Fungsi, dan Penanganannya.* Halodoc. https://www.halodoc.com/artikel/vldl-kolesterol-trigliserida-fungsi-dan-penanganannya?srsId=AfmBOopk9E5GgznDmd9POeSKSEQDntHZ_jEWaqWZNKtX4IDPQuE-Nps3
- Health, P. (2022). 1 . *Improving Care and Promoting Health in Populations : Standards of Medical Care in Diabetes — 2022*. 45(January), 8–16.
- Hidayaturrohman, Q. A., & Hanada, E. (2025). A Comparative Analysis of Hyper-Parameter Optimization Methods for Predicting Heart Failure Outcomes. *Applied Sciences (Switzerland)*, 15(6), 1–17. <https://doi.org/10.3390/app15063393>

- Hong Sun, Pouya Saeedi, Suvi Karuranga, Moritz Pinkepank, Katherine Ogurtsova, Bruce B Duncan, C. S. (2021). *Atlas Diabetes IDF: Estimasi prevalensi diabetes global, regional, dan tingkat negara untuk tahun 2021 dan proyeksi untuk tahun 2045*. Elsevier.
<https://pubmed.ncbi.nlm.nih.gov/34879977/>
- Hospitals, A. (2025). *Tes VLDL*. Apollo Hospitals.
<https://www.apollohospitals.com/id/diagnostics-investigations/vldl-test>
- Id, I. D. (2021). Machine Learning Teori, Studi Kasus dan Implementasi Menggunakan Python. In *Jurnal Penelitian Pendidikan Guru Sekolah Dasar* (Vol. 6, Issue 1). <https://doi.org/10.5281/zenodo.5113507>
- Id, S. (2023). *Pemanfaatan Teknologi Digital dalam Pelayanan Kesehatan Publik*.
IDF Diabetes Atlas. (2025).
- Jarmakovica, A. (2025). *Machine learning-based strategies for improving healthcare data quality : an evaluation of accuracy , completeness , and reusability*. July, 1–14. <https://doi.org/10.3389/frai.2025.1621514>
- Jia, L., Li, Z., Huang, G., Jiang, H., Xu, H., Zhao, J., Li, J., & Lei, J. (2025). *Macrotrabecular-massive subtype in hepatocellular carcinoma based on contrast-enhanced CT : deep learning outperforms machine learning*.
<https://doi.org/10.1186/s13244-025-02063-w>
- Kamau, B., Malenje, B., Wamwea, C., & Onyango, L. (2025). Comparative Study of Extreme Gradient Boosting (XGBOOST), K-Nearest Neighbors (KNN), and Random Forest for Migraine Classification. *American Journal of Mathematical and Computer Modelling*, 10(1), 19–28.
<https://doi.org/10.11648/j.ajmcm.20251001.13>
- Magoulas, G. D., & Prentza, A. (2015). *Pembelajaran Mesin dalam Aplikasi Medis Pembelajaran Mesin dalam Aplikasi Medis*. September 2001.
<https://doi.org/10.1007/3-540-44673-7>
- Matin, I. M. M. (2023). Hyperparameter Tuning Menggunakan GridsearchCV pada Random Forest untuk Deteksi Malware. *Multinetics*, 9(1), 43–50.

<https://doi.org/10.32722/multinetics.v9i1.5578>

Maulana, M. D., Hadiana, A. I., & Umbara, F. R. (2023). Algoritma Xgboost Untuk Klasifikasi Kualitas Air Minum. *JATI (Jurnal Mahasiswa Teknik Informatika)*, 7(5), 3251–3256. <https://doi.org/10.36040/jati.v7i5.7308>

Nugraha, W., & Sasongko, A. (2022). Hyperparameter Tuning on Classification Algorithm with Grid Search. *Sistemasi*, 11(2), 391. <https://doi.org/10.32520/stmsi.v11i2.1750>

Of, S., & Carediabetes, M. (2022). *oc ss be te sA © A m e r i c a n STANDARDS OF MEDICAL CARE IN DIABETES — 2022 Di tio ic an Di be er m ss n*. 45(January).

Papageorgiou, S. N. (2022). *On correlation coefficients and their interpretation*. <https://doi.org/10.1177/14653125221076142>

Paredes-Gutierrez, G., Perea-Jacobo, R., Acosta-Mesa, H.-G., Reyes, J. L. M., & Zenteno-Cuevas, R. (2025). Predicting Drug Resistance in Mycobacterium tuberculosis: A Machine Learning Approach to Genomic Mutation Analysis. *Diagnostics*, 15(3), 1–16. <https://doi.org/10.3390/diagnostics15030279>

Pengobatan, D. A. N. (2021). *Telaah komprehensif diabetes melitus: klasifikasi, gejala, diagnosis, pencegahan, dan pengobatan*. 7(August 2020), 304–317.

Prima, J., Sistem, J., Komputer, I., No, V., Radhi, M., Ryan, D., Sitompul, H., Sinurat, S. H., & Indra, E. (2021). *ANALISIS BIG DATA DENGAN METODE EXPLORATORY DATA ANALYSIS (EDA) DAN METODE VISUALISASI MENGGUNAKAN JUPYTER NOTEBOOK*. 4(2), 2–6.

Primaya hospital. (2026). *Pemeriksaan Kadar Ureum, Deteksi Dini Gangguan Fungsi Ginjal*. Primaya Hospital. <https://primayahospital.com/urologi/ureum/>

Priyono, E. (2024). Prediction of Tuberculosis Patients With Machine Learning Algorithms. *JIPI (Jurnal Ilmiah Penelitian Dan Pembelajaran Informatika)*, 9(4), 2349–2356. <https://doi.org/10.29100/jipi.v9i4.5486>

Probst, P., Wright, M. N., & Boulesteix, A. L. (2019). Hyperparameters and tuning strategies for random forest. *Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery*, 9(3), 1–19.

<https://doi.org/10.1002/widm.1301>

Septiandri, A. A., Aditiawarman, Tjiong, R., Burhan, E., & Shankar, A. (2020). *Cost-Sensitive Machine Learning Classification for Mass Tuberculosis Verbal Screening*. 1–6. <http://arxiv.org/abs/2011.07396>

Shen, H., Zhao, H., & Jiang, Y. (2023). Machine Learning Algorithms for Predicting Stunting among Under-Five Children in Papua New Guinea. *Children*, 10(10). <https://doi.org/10.3390/children10101638>

Singh, S., Gill, R., Kumar, R., Shrivastava, A., Srivastava, A. P., & Thakur, G. (2024). A Comparative Analysis of Machine Learning Algorithms for Predictive Maintenance in Electrical Systems. *4th International Conference on Innovative Practices in Technology and Management 2024, ICIPTM 2024, March*. <https://doi.org/10.1109/ICIPTM59628.2024.10563826>

Siregar, R. H., Albina, M., Islam, U., Sumatera, N., Baru, K., & Serdang, K. D. (2025). *MENJELASKAN CARA MENGANALISIS DATA DALAM*. 3(6).

Staff, M. C. (2024). *HDL cholesterol: How to boost your “good” cholesterol*. Mayo Clinic. <https://www.mayoclinic.org/diseases-conditions/high-blood-cholesterol/in-depth/hdl-cholesterol/art-20046388>

Stefanus, K., & Leong, H. (2024). Comparison of Random Forest Algorithm Accuracy With Xgboost Using Hyperparameters. *Proxies : Jurnal Informatika*, 7(1), 15–23. <https://doi.org/10.24167/proxies.v7i1.12464>

Syahfitri, N. I., Juledi, A. P., & Muti'ah, R. (2024). Comparative Analysis of Machine Learning Algorithm Performance in Predicting Stunting in Toddlers. *Sinkron*, 8(3), 1452–1462. <https://doi.org/10.33395/sinkron.v8i3.13698>

Tukey, 1977.pdf. (n.d.).

Yagin, F. H., Cicek, İ. B., Alkhateeb, A., Yagin, B., Colak, C., Azzeh, M., & Akbulut, S. (2023). Explainable artificial intelligence model for identifying COVID-19 gene biomarkers. *Computers in Biology and Medicine*, 154(January). <https://doi.org/10.1016/j.compbiomed.2023.106619>

Yusuf, A., Wardiah, I., & Putri, N. L. (2025). *Predicting Respiratory Conditions*

Using Random Forest and XGBoost. 7(2), 1643–1657.

<https://doi.org/10.51519/journalisi.v7i2.1124>

Zamani, A., Assadian, K., Masoumi, S. J., Dashtaki, N. M., Ardekani, F. M., Mansouriyekta, E., & Mirahmadizadeh, A. (2024). *Investigating the Prevalence of Undiagnosed Diabetes and Its Associated Factors Among Healthcare Workers : A Cross-sectional Study in South of Iran*. 413–420.
<https://doi.org/10.4103/jod.jod>

