

DAFTAR PUSTAKA

- [1] M. A. Mauliyda, N. Nurhasanah, U. Umar, M. Erfan, and I. Oktaviyanti, "WORKSHOP IMPLEMENTASI SOFTWARE PUBLISH OR PERISH (POP) UNTUK MENINGKATKAN KUALITAS RUJUKAN TUGAS AKHIR MAHASISWA PGSD," *J. Pendidik. dan Pengabd. Masy.*, vol. 5, no. 4, pp. 423–430, Nov. 2022, doi: 10.29303/jppm.v5i4.4314.
- [2] P. S. Dewi, "E-Learning : Penerapan Project Based Learning pada Mata Kuliah Media Pembelajaran," *PRISMA*, vol. 10, no. 1, p. 97, Jun. 2021, doi: 10.35194/jp.v10i1.1012.
- [3] C.-M. Chi, P. Vossler, Y. Fan, and J. Lv, "Asymptotic properties of high-dimensional random forests," *Ann. Stat.*, vol. 50, no. 6, Dec. 2022, doi: 10.1214/22-AOS2234.
- [4] A. Windia, R. Ar, A. Suryana, H. Munah, and R. Rahim, "Basic concept Pythagoras tree for construct data visualization on decision tree learning," *J. Appl. Eng. Sci.*, vol. 17, no. 4, pp. 468–472, 2019, doi: 10.5937/jaes17-21960.
- [5] H. Munir, B. Vogel, and A. Jacobsson, "Artificial Intelligence and Machine Learning Approaches in Digital Education: A Systematic Revision," *Information*, vol. 13, no. 4, p. 203, Apr. 2022, doi: 10.3390/info13040203.
- [6] Tom Mitchell and McGraw Hill, "MACHINE LEARNING," p. 414, 1997, doi: 10.5555/541177.
- [7] L. Breiman, "Random Forest," *Random For.*, vol. 45, no. Machine Learning, pp. 5–32, 2001, doi: 10.1023/A:1010950718922.
- [8] C.-H. Chen, K. Tanaka, M. Kotera, and K. Funatsu, "Comparison and improvement of the predictability and interpretability with ensemble learning models in QSPR applications," *J. Cheminform.*, vol. 12, no. 1, p. 19, Dec. 2020, doi: 10.1186/s13321-

020-0417-9.

- [9] siti Khomsah and A. sasmito Ariwibowo, "Model Semi - supervised Learning Menggunakan Logistic Regression Untuk Anotasi Sentimen," *LEDGER J. Inform. Inf. Technol.*, vol. 1, 2022.
- [10] H. ŞEVGİN, "A comparative study of ensemble methods in the field of education: Bagging and Boosting algorithms," *Int. J. Assess. Tools Educ.*, vol. 10, no. 3, pp. 544–562, Sep. 2023, doi: 10.21449/ijate.1167705.
- [11] T. Hastie, Jerome Friedman, and Robert Tibshirani, *The Elements of Statistical Learning*. Springer New York, NY, 2001. doi: 10.1007/978-0-387-21606-5.
- [12] Z.-H. Zhou, *Ensemble Methods*. Chapman and Hall/CRC, 2012. doi: 10.1201/b12207.
- [13] L. K. Shrivastav and R. Kumar, "An Ensemble of Random Forest Gradient Boosting Machine and Deep Learning Methods for Stock Price Prediction," *J. Inf. Technol. Res.*, vol. 15, no. 1, pp. 1–19, Nov. 2021, doi: 10.4018/JITR.2022010102.
- [14] A. Mohammed and R. Kora, "A comprehensive review on ensemble deep learning: Opportunities and challenges," *J. King Saud Univ. - Comput. Inf. Sci.*, vol. 35, no. 2, pp. 757–774, Feb. 2023, doi: 10.1016/j.jksuci.2023.01.014.
- [15] C. Zhang and Y. Ma, Eds., *Ensemble Machine Learning*. New York, NY: Springer New York, 2012. doi: 10.1007/978-1-4419-9326-7.
- [16] P. C. Jena, D. Mishra, and S. K. Pani, "A novel ensemble learning method for classification and regression based on weighted stacking of estimators," *Indian J. Public Heal. Res. Dev.*, vol. 9, no. 11, p. 2249, 2018, doi: 10.5958/0976-5506.2018.01782.5.
- [17] A. Liaw and Matthew Wiener, "Classification and Regression by randomForest," *R J.*, vol. 2, 2002.
- [18] R. M. P. N. Magesh, Dr. P. Thangaraj, S. Sivagobika, S. Praba, "Evaluating The Performance Of An Employee Using Decision Tree Algorithm," *Int. J. Eng. Res.*

- Technol.*, vol. 2, no. 04, 2013.
- [19] U. Indahyanti, N. L. Azizah, and H. Setiawan, “Pendekatan Ensemble Learning Untuk Meningkatkan Akurasi Prediksi Kinerja Akademik Mahasiswa,” *J. Sains dan Inform.*, vol. 8, no. 2, Dec. 2022, doi: 10.34128/jsi.v8i2.459.
- [20] A. Fatunnisa and H. Marcos, “Prediksi Kelulusan Tepat Waktu Siswa SMK Teknik Komputer Menggunakan Algoritma Random Forest,” *J. Manaj. Inform.*, vol. 14, no. 1, pp. 101–111, Apr. 2024, doi: 10.34010/jamika.v14i1.12114.
- [21] Jan Melvin Ayu Soraya Dachi and Pardomuan Sitompul, “Analisis Perbandingan Algoritma XGBoost dan Algoritma Random Forest Ensemble Learning pada Klasifikasi Keputusan Kredit,” *J. Ris. RUMPUN Mat. DAN ILMU Pengetah. ALAM*, vol. 2, no. 2, pp. 87–103, Jul. 2023, doi: 10.55606/jurrimipa.v2i2.1470.
- [22] S. Lestari and M. M. Ramdhani, “SISTEM REKOMENDASI FILM MENGGUNAKAN METODE CONTENT-BASED FILTERING STUDI KASUS MATERI DATA MINING DI SMK IDN BOARDING SCHOOL,” *J. Indones. Manaj. Inform. dan Komun.*, vol. 4, no. 3, pp. 1581–1587, Sep. 2023, doi: 10.35870/jimik.v4i3.381.
- [23] A. Pramudyantoro, E. Utami, and D. Ariatmanto, “PENGGABUNGAN K-NEAREST NEIGHBORS DAN LIGHTGBM UNTUK PREDIKSI DIABETES PADA DATASET PIMA INDIANS: MENGGUNAKAN PENDEKATAN EXPLORATORY DATA ANALYSIS,” *JUPI (Jurnal Ilm. Penelit. dan Pembelajaran Inform.)*, vol. 9, no. 3, pp. 1133–1144, Aug. 2024, doi: 10.29100/jupi.v9i3.4966.
- [24] A. S. Sitio and F. A. Sianturi, “Penerapan Algoritma Machine Learning dalam Analisis Pola Perilaku Penggunaan Internet,” *DIKE J. Ilmu Multidisiplin*, vol. 2, no. 2, pp. 46–51, Aug. 2024, doi: 10.69688/dike.v2i2.102.
- [25] A. A. Bakri, Y. Yusni, and N. Botutihe, “Analisis Efektivitas Penggunaan Teknologi Big Data dalam Proses Audit: Studi Kasus pada Kantor Akuntan Publik

- di Indonesia,” *J. Akunt. Dan Keuang. West Sci.*, vol. 2, no. 03, pp. 179–186, Sep. 2023, doi: 10.58812/jakws.v2i03.641.
- [26] A. Nurhidayat, A. Asmunin, and D. F. Suyatno, “Prediksi Kinerja Akademik Mahasiswa Menggunakan Machine Learning dengan Sequential Minimal Optimization untuk Pengelola Program Studi,” *J. Inf. Eng. Educ. Technol.*, vol. 5, no. 2, pp. 84–91, Dec. 2021, doi: 10.26740/jieet.v5n2.p84-91.
- [27] P. Dutta, S. Paul, and A. Kumar, “Comparative analysis of various supervised machine learning techniques for diagnosis of COVID-19,” in *Electronic Devices, Circuits, and Systems for Biomedical Applications*, Elsevier, 2021, pp. 521–540. doi: 10.1016/B978-0-323-85172-5.00020-4.
- [28] A. Ananta Firdaus, A. Id Hadiana, and A. Kania Ningsih, “Klasifikasi Sentimen pada Aplikasi Shopee Menggunakan Fitur Bag of Word dan Algoritma Random Forest,” *Ranah Res. J. Multidiscip. Res. Dev.*, vol. 6, no. 5, pp. 1678–1683, Jul. 2024, doi: 10.38035/rrj.v6i5.994.
- [29] E. A. Winanto, Y. Novianto, S. Sharipuddin, I. S. Wijaya, and P. A. Jusia, “PENINGKATAN PERFORMA DETEKSI SERANGAN MENGGUNAKAN METODE PCA DAN RANDOM FOREST,” *J. Teknol. Inf. dan Ilmu Komput.*, vol. 11, no. 2, pp. 285–290, Apr. 2024, doi: 10.25126/jtiik.20241127678.
- [30] R. Wulandari, K. D. Purnomo, and A. Kamsyakawuni, “Pembangkitan Pohon Fraktal Bercabang Menggunakan Metode Iterated Function System,” *J. EurekaMatika*, vol. 10, no. 2, pp. 99–110, Dec. 2022, doi: 10.17509/jem.v10i2.51210.
- [31] R. R. Pratama, “Analisis Model Machine Learning Terhadap Pengenalan Aktifitas Manusia,” *MATRIK J. Manajemen, Tek. Inform. dan Rekayasa Komput.*, vol. 19, no. 2, pp. 302–311, May 2020, doi: 10.30812/matrik.v19i2.688.
- [32] K. Ciptady, M. Harahap, J. Jonvin, Y. Ndruru, and I. Ibadurrahman, “Prediksi Kualitas Kopi Dengan Algoritma Random Forest Melalui Pendekatan Data

- Science,” *Data Sci. Indones.*, vol. 2, no. 1, Sep. 2022, doi: 10.47709/dsi.v2i1.1708.
- [33] A. Primajaya and B. N. Sari, “Random Forest Algorithm for Prediction of Precipitation,” *Indones. J. Artif. Intell. Data Min.*, vol. 1, no. 1, p. 27, Mar. 2018, doi: 10.24014/ijaidm.v1i1.4903.
- [34] E. Novianto, A. Hermawan, and D. Avianto, “KLASIFIKASI ALGORITMA K-NEAREST NEIGHBOR, NAIVE BAYES, DECISION TREE UNTUK PREDIKSI STATUS KELULUSAN MAHASISWA S1,” *Rabit J. Teknol. dan Sist. Inf. Univrab*, vol. 8, no. 2, pp. 146–154, Jul. 2023, doi: 10.36341/rabit.v8i2.3434.
- [35] F. Febri, Hasbi Yallah, Muhammad Darwis, and Retno Henrowati, “PENERAPAN ALGORITMA ID3 MELALUI APLIKASI ORANGE UNTUK PREDIKSI AKURASI AKREDITASI SEKOLAH DASAR DI DEPOK,” *J. Manaj. Inform. dan Sist. Inf.*, vol. 7, no. 2, pp. 131–141, Jun. 2024, doi: 10.36595/misi.v7i2.1199.
- [36] C. Romero and S. Ventura, “Data mining in education,” *WIREs Data Min. Knowl. Discov.*, vol. 3, no. 1, pp. 12–27, Jan. 2013, doi: 10.1002/widm.1075.
- [37] M. Yağcı, “Educational data mining: prediction of students’ academic performance using machine learning algorithms,” *Smart Learn. Environ.*, vol. 9, no. 1, p. 11, Dec. 2022, doi: 10.1186/s40561-022-00192-z.
- [38] B. Daniel, “Big data and analytics in higher education: Opportunities and challenges,” *Br. J. Educ. Technol.*, vol. 46, no. 5, pp. 904–920, Sep. 2015, doi: 10.1111/bjet.12230.
- [39] R. Novrian, T. Agustiani, M. Fikri, M. F. Hikmatulloh, M. E. Gunawan, and U. Firdaus, “Penerapan Algoritma Random Forest dalam Prediksi Status Penerima PIP pada Siswa: Studi Kasus pada SMK Amaliah 1,” *Karimah Tauhid*, vol. 3, no. 2, pp. 1791–1799, Feb. 2024, doi: 10.30997/karimahtauhid.v3i2.11937.
- [40] A. Nugroho and D. Harini, “Teknik Random Forest untuk Meningkatkan Akurasi Data Tidak Seimbang,” *JSITIK J. Sist. Inf. dan Teknol. Inf. Komput.*, vol. 2, no. 2, pp. 128–140, Jun. 2024, doi: 10.53624/jsitik.v2i2.379.