

DAFTAR PUSTAKA

- A Ilemobayo, J., Durodola, O., Alade, O., J Awotunde, O., T Olanrewaju, A., Falana, O., Ogungbire, A., Osinuga, A., Ogunbiyi, D., Ifeanyi, A., E Odezuligbo, I., & E Edu, O. (2024). Hyperparameter Tuning in Machine Learning: A Comprehensive Review. *Journal of Engineering Research and Reports*, 26(6), 388–395. <https://doi.org/10.9734/jerr/2024/v26i61188>
- Abbas, A. W., Khan, W. U., & Ahmed, S. (2024). Image Compression Exploration using Discrete Wavelets Transform Families and Level. *International Journal of Innovations in Science & Technology*, 6(2), 366–379. <https://www.researchgate.net/publication/380533174>
- Adhitya, R. R., Wina Witanti, & Rezki Yuniarti. (2023). PERBANDINGAN METODE CART DAN NAÏVE BAYES UNTUK KLASIFIKASI CUSTOMER CHURN. *INFOTECH Journal*, 9(2), 307–318. <https://doi.org/10.31949/infotech.v9i2.5641>
- Ahmad Bamanga, M., Kamalu Babando, A., & Ahmed Shehu, M. (2024). Recent Advances in Steganography. In *Steganography - The Art of Hiding Information* (pp. 1–22). IntechOpen. <https://doi.org/10.5772/intechopen.1004521>
- Ahmed, I. T., Jamil, N., & Hammad, B. T. (2022). Low feature dimension in image steganographic recognition. *Indonesian Journal of Electrical Engineering and Computer Science*, 27(2), 885–891. <https://doi.org/10.11591/ijeecs.v27.i2.pp885-891>
- Akujuobi, C. M. (2022). Wavelets and Wavelet Transform Systems and Their Applications: A Digital Signal Processing Approach. In *Wavelets and Wavelet Transform Systems and Their Applications: A Digital Signal Processing Approach*. Springer International Publishing. <https://doi.org/10.1007/978-3-030-87528-2>
- Alaoui, N. (2023). DWT-based digital watermarking for various attacks. *Acadlore Trans. Mach. Learn*, 2(4), 226–234.
- Alnuaimi, A. F. A. H., & Albaldawi, T. H. K. (2024). An overview of machine learning classification techniques. *BIO Web of Conferences*, 97, 1–24.
- Aslam, M. A., Rashid, M., Azam, F., Abbas, M., Rasheed, Y., Alotaibi, S. S., & Anwar, M. W. (2022). Image Steganography using Least Significant Bit (LSB)-A Systematic Literature Review. *Proceedings of 2022 2nd International Conference on Computing and Information Technology, ICCIT 2022*, 32–38. <https://doi.org/10.1109/ICCIT52419.2022.9711628>
- Christen, P., Hand, D. J., & Kirielle, N. (2023). A Review of the F-Measure: Its History, Properties, Criticism, and Alternatives. *ACM Computing Surveys*, 56(3), 1–24. <https://doi.org/10.1145/3606367>
- Dehdar, A., Keshavarz, A., & Parhizgar, N. (2023). Image steganalysis using modified graph clustering based ant colony optimization and Random Forest. *Multimedia Tools and Applications*, 82(5), 7401–7418. <https://doi.org/10.1007/s11042-022-13599-0>

- Dommeti, D., Nallapati, S. R., Padyala, V. V. P., & Mandhala, V. N. (2022). Comparative Stratification of Steganalysis Techniques to Interpret & Target Anomalies. *2022 International Conference on Automation, Computing and Renewable Systems (ICACRS)*, 433–438.
- DQLab. (2022, November 16). *Hyper Parameter Tuning dalam Proses Pemodelan Data*. DQLab. <https://dqlab.id/hyper-parameter-tuning-dalam-proses-pemodelan-data>
- Eid, W. M., Alotaibi, S. S., Alqahtani, H. M., & Saleh, S. Q. (2022). Digital Image Steganalysis: Current Methodologies and Future Challenges. *IEEE Access*, *10*, 92321–92336. <https://doi.org/10.1109/ACCESS.2022.3202905>
- Febrisa Sidabutar, A., Habibi, R., Istri, W., & Vokasi, R. (2023). PERBANDINGAN METODE KLASIFIKASI UNTUK PENGELOMPOKAN RISIKO MAGANG MAHASISWA. *Jurnal Mahasiswa Teknik Informatika*, *7*(3), 2071–2076.
- Ghanad, A. (2023). INTERNATIONAL JOURNAL OF MULTIDISCIPLINARY RESEARCH AND ANALYSIS An Overview of Quantitative Research Methods. *International Journal of Multidisciplinary Research and Analysis*, *6*(8), 3794–3803. <https://doi.org/10.47191/ijmra/v6-i8-52>
- Guo, T., Zhang, T., Lim, E., Lopez-Benitez, M., Ma, F., & Yu, L. (2022). A review of wavelet analysis and its applications: Challenges and opportunities. *IEEE Access*, *10*, 58869–58903.
- Hammad, B. T., Ahmed, I. T., & Jamil, N. (2022). A steganalysis classification algorithm based on distinctive texture features. *Symmetry*, *14*(2), 236.
- Hijriani, N., & Ermatita, E. (2024). Perbandingan Naive Bayes Classifier dan Support Vector Machine untuk Analisis Sentimen terhadap Penyebaran Nyamuk Wolbachia di Indonesia. *Jurnal Pendidikan Dan Teknologi Indonesia*, *4*(11), 391–403. <https://doi.org/10.52436/1.jpti.499>
- Joseph, V. R. (2022). Optimal ratio for data splitting. *Statistical Analysis and Data Mining*, *15*(4), 531–538. <https://doi.org/10.1002/sam.11583>
- Khamis, H. (2021). *Studies on Image Steganography* [Master's thesis]. University of Eastern Finland.
- Kumar, S., & Chakraborty, S. (2023). Digital Image Steganography and Steganalysis: A Comprehensive Review of Evolution of Advanced Techniques. In *International Journal of Engineering Trends and Technology* (Vol. 71, Issue 11, pp. 276–285). Seventh Sense Research Group. <https://doi.org/10.14445/22315381/IJETT-V71I11P229>
- Latif, I. H., Abdulredha, S. H., & Hassan, S. K. A. (2024). Discrete Wavelet Transform-Based Image Processing: A Review. *Al-Nahrain Journal of Science*, *27*(3), 109–125.

- Mahdi Abdulkareem, N., & Mohsin Abdulazeez, A. (2021). Machine Learning Classification Based on Radom Forest Algorithm: A Review. *International Journal of Science and Business*, 5(2), 128–142. <https://doi.org/10.5281/zenodo.4471118>
- Mangaras, Y. F., Bambang Yuwono, B. Y., & Dessyanto, B. P. (2022). *Dasar Pengolahan Citra Digital*. LPPM UPN Veteran Yogyakarta.
- MathWorks. (n.d.). *Introduction to Wavelet Families*. MathWorks Documentation. Retrieved July 24, 2025, from <https://www.mathworks.com/help/wavelet/gs/introduction-to-the-wavelet-families.html>
- Mechee, M. S., Hussain, Z. M., & Salman, Z. I. (2021). Wavelet Theory: Applications of the Wavelet. In *Wavelet Theory* (pp. 1–22). IntechOpen. www.intechopen.com
- Mienye, I. D., & Jere, N. (2024). A Survey of Decision Trees: Concepts, Algorithms, and Applications. *IEEE Access*, 12, 86716–86727. <https://doi.org/10.1109/ACCESS.2024.3416838>
- Minh, N. T. T., & Mahmood, R. Q. (2024). Experimental research. In *Applied Linguistics and Language Education Research Methods: Fundamentals and Innovations* (pp. 206–227). IGI Global. <https://doi.org/10.4018/979-8-3693-2603-9.ch013>
- Moerdyanto, O. P., Kadek, I., & Nuryana, D. (2023). Prediksi Kelulusan Tepat Waktu Menggunakan Pendekatan Pohon Keputusan Algoritma Decision Tree. *Journal of Informatics and Computer Science*, 05(1), 90–96.
- Narasimharao, J., Kalra, A., Noori, A., & Bhatia, V. (2022). Representation. In *Digital Image Processing* (pp. 1–34). AGPH Books (Academic Guru Publishing House).
- Priscilla, C. V., & HemaMalini, V. (2023). Steganalysis Techniques: A Systematic Review. *Journal of Survey in Fisheries Sciences*, 10(2S), 244–263.
- Rainio, O., Teuho, J., & Klén, R. (2024). Evaluation metrics and statistical tests for machine learning. *Scientific Reports*, 14(1), 6086.
- Şahin, F., Çevik, T., & Takaoğlu, M. (2021). Review of the Literature on the Steganography Concept. *International Journal of Computer Applications*, 975, 8887.
- Sahoo, P. K., Reddy, S. M., Chinthala, K. S., Srinivas, B., & Lingala, K. (2022). Implementing Steganalysis using Machine Learning. *International Journal of Computer Applications*, 975, 8887.
- Salman, H. A., Kalakech, A., & Steiti, A. (2024). Random Forest Algorithm Overview. *Babylonian Journal of Machine Learning*, 2024, 69–79. <https://doi.org/10.58496/bjml/2024/007>
- Sarker, I. (2021). Machine Learning: Algorithms, Real-World Applications and Research Directions. *SN Computer Science*, 2. <https://doi.org/10.1007/s42979-021-00592-x>

- Sathyanarayanan, S. (2024). Confusion Matrix-Based Performance Evaluation Metrics. *African Journal of Biomedical Research*, 27(4s), 4023–4031. <https://doi.org/10.53555/AJBR.v27i4S.4345>
- Sedeeq, I. (2023). Image Splicing Detection Based on Discrete Wavelet Transform and co-occurrence Matrix. *Iraqi Journal of Science*, 5940–5951.
- Shehab, D. A., & Alhaddad, M. J. (2022). Comprehensive survey of multimedia steganalysis: Techniques, evaluations, and trends in future research. *Symmetry*, 14(1), 117.
- Simanungkalit, G. A., Syahputra Tarigan, D., & Simangunsong, D. R. (2023). Discrete Wavelet Transform (DWT) Based Steganography Implementation. *Jurnal Teknik Indonesia*, 2(01), 13–17. <https://jurnal.seaninstitute.or.id/index.php/jutip13>
- Sivakumar, M., Parthasarathy, S., & Padmapriya, T. (2024). Trade-off between training and testing ratio in machine learning for medical image processing. *PeerJ Computer Science*, 10, 1–17. <https://doi.org/10.7717/peerj-cs.2245>
- Srihith, D., Lakshmi, P. V., Donald, A. D., Srinivas, T. A. S., & Thippanna, G. (2023). A Forest of Possibilities Decision Trees and Beyond. *Journal of Advancement in Parallel Computing*, 6(3), 29–37.
- Subramanian, N., Elharrouss, O., Al-Maadeed, S., & Bouridane, A. (2021). Image steganography: A review of the recent advances. *IEEE Access*, 9, 23409–23423.
- Sugiarto, E., & Budiman, F. (2021). Optimasi Metode Support Vector Machine dengan Discrete Wavelet Transform Untuk Pengenalan Karakter Plat Nomor Kendaraan. *Jurnal Transformatika*, 18(2), 133–142.
- Tan, H. (2021). Machine Learning Algorithm for Classification. *Journal of Physics: Conference Series*, 1994(1), 1–5. <https://doi.org/10.1088/1742-6596/1994/1/012016>
- Wong, J. J. (2022). *Exploring the potential of wavelets In the field of image processing* [Delft University of Technology]. <http://repository.tudelft.nl/>.