

## DAFTAR PUSTAKA

- Agus Supriyanto. (2013, Maret 13). *57 Persen Bakau di Pantai Selatan Malang Rusak*. Tempo. <https://nasional.tempo.co/read/466700/57-persen-bakau-di-pantai-selatan-malang-rusak>
- Ainurrohma. (2021). Akurasi Algoritma Klasifikasi pada Software Rapidminer dan Weka. *PRISMA, Prosiding Seminar Nasional Matematika*, 4.
- Alamri, M., & Ykhlef, M. (2024). Hybrid Feature Engineering Based on Customer Spending Behavior for Credit Card Anomaly and Fraud Detection. *Electronics (Switzerland)*, 13(20). <https://doi.org/10.3390/electronics13203978>
- Aliani, H., Malmir, M., Sourodi, M., & Kafaky, S. B. (2019). Change detection and prediction of urban land use changes by CA–Markov model (case study: Talesh County). *Environmental Earth Sciences*, 78(17). <https://doi.org/10.1007/s12665-019-8557-9>
- Alita, D., & Isnain, A. R. (2020). Pendeteksian Sarkasme pada Proses Analisis Sentimen Menggunakan Random Forest Classifier. *jurnal komputasi*, 8(2). <https://doi.org/10.23960/komputasi.v8i2.2615>
- Amini, S., Saber, M., Rabiei-Dastjerdi, H., & Homayouni, S. (2022). Urban Land Use and Land Cover Change Analysis Using Random Forest Classification of Landsat Time Series. *Remote Sensing*, 14(11). <https://doi.org/10.3390/rs14112654>
- Amoakoh, A. O., Aplin, P., Rodríguez-Veiga, P., Moses, C., Alonso, C. P., Cortés, J. A., Delgado-Fernandez, I., Kankam, S., Mensah, J. C., & Nortey, D. D. N. (2024). Predictive Modelling of Land Cover Changes in the Greater Amanzule Peatlands Using Multi-Source Remote Sensing and Machine Learning Techniques. *Remote Sensing*, 16(21). <https://doi.org/10.3390/rs16214013>
- Aonpong, P., Kasetkasem, T., Rakwatin, P., Kumazawa, I., & Chanwimaluang, T. (2016). The Random forest approach for land cover mapping. *7th International*

*Conference on Information Communication Technology for Embedded Systems 2016, IC-ICTES 2016*. <https://doi.org/10.1109/ICTEmSys.2016.7467112>

Asif, M., Kazmi, J. H., Tariq, A., Zhao, N., Guluzade, R., Soufan, W., Almutairi, K. F., Sabagh, A. El, & Aslam, M. (2023). Modelling of land use and land cover changes and prediction using CA-Markov and Random Forest. *Geocarto International*, 38(1). <https://doi.org/10.1080/10106049.2023.2210532>

Bui, D. H., & Mucsi, L. (2021). From land cover map to land use map: A combined pixel-based and object-based approach using multi-temporal landsat data, a random forest classifier, and decision rules. *Remote Sensing*, 13(9). <https://doi.org/10.3390/rs13091700>

Cheng, K., & Wang, J. (2019). Forest type classification based on integrated spectral-spatial-temporal features and random forest algorithm-A case study in the Qinling Mountains. *Forests*, 10(7). <https://doi.org/10.3390/f10070559>

Chowdhury, M. S. (2024). Comparison of accuracy and reliability of random forest, support vector machine, artificial neural network and maximum likelihood method in land use/cover classification of urban setting. *Environmental Challenges*, 14. <https://doi.org/10.1016/j.envc.2023.100800>

Derhab, A., Aldweesh, A., Emam, A. Z., & Khan, F. A. (2020). Intrusion Detection System for Internet of Things Based on Temporal Convolution Neural Network and Efficient Feature Engineering. *Wireless Communications and Mobile Computing*, 2020. <https://doi.org/10.1155/2020/6689134>

Douzas, G., Bacao, F., Fonseca, J., & Khudinyan, M. (2019). Imbalanced learning in land cover classification: Improving minority classes' prediction accuracy using the geometric SMOTE algorithm. *Remote Sensing*, 11(24). <https://doi.org/10.3390/rs11243040>

Dzulfigar, A., Asy'ari, R., Rahmawati, A. D., Ulfa, A., Marfi, K. P., Puspitasari, R. F., Puspita, S., Adila, S., Firmansyah, J. C., Zamani, L. P., Pramulya, N. P., &

- Setiawan, R. (2024). Spatiotemporal Analysis of Mangrove in Subang Regency using Sentinel-2 Timeseries Data. Dalam *ojs SSRS Journal A: Agro-Environmental Research* (Vol. 2).
- Ebrahimi, H., Mirbagheri, B., Matkan, A. A., & Azadbakht, M. (2021). Per-pixel land cover accuracy prediction: A random forest-based method with limited reference sample data. *ISPRS Journal of Photogrammetry and Remote Sensing*, 172. <https://doi.org/10.1016/j.isprsjprs.2020.11.024>
- Faheem, Z., Kazmi, J. H., Shaikh, S., Arshad, S., Noreena, & Mohammed, S. (2024). Random forest-based analysis of land cover/land use LCLU dynamics associated with meteorological droughts in the desert ecosystem of Pakistan. *Ecological Indicators*, 159. <https://doi.org/10.1016/j.ecolind.2024.111670>
- Farzanmanesh, R., Khoshelham, K., Volkova, L., Thomas, S., Ravelonjatovo, J., & Weston, C. J. (2024). Temporal Analysis of Mangrove Forest Extent in Restoration Initiatives: A Remote Sensing Approach Using Sentinel-2 Imagery. *Forests*, 15(3). <https://doi.org/10.3390/f15030399>
- Fayyad, U., Piatetsky-Shapiro, G., & Smyth, P. (1996). From data mining to knowledge discovery in databases. *AI Magazine*, 17(3).
- Ginanjari, C., Harfinda, E. M., & Saputra, R. (2023). Analisis Perubahan Garis Pantai dengan Pendekatan Penginderaan Jauh di Kecamatan Mempawah Hilir. *Jurnal Laut Khatulistiwa*, 6(3). <https://doi.org/10.26418/lkuntan.v6i3.68186>
- Han, S., Williamson, B. D., & Fong, Y. (2021). Improving random forest predictions in small datasets from two-phase sampling designs. *BMC Medical Informatics and Decision Making*, 21(1). <https://doi.org/10.1186/s12911-021-01688-3>
- Hartono, & Ongko, E. (2022). *Avoiding Overfitting dan Overlapping in Handling Class Imbalanced Using Hybrid Approach with Smoothed Bootstrap Resampling and Feature Selection*. [www.joiv.org/index.php/joiv](http://www.joiv.org/index.php/joiv)

- Hasanah, U., Soleh, A. M., & Sadik, K. (2024). Effect of Random Under sampling, Oversampling, and SMOTE on the Performance of Cardiovascular Disease Prediction Models. *Jurnal Matematika, Statistika dan Komputasi*, 21(1), 88–102. <https://doi.org/10.20956/j.v21i1.35552>
- Imaduddien, M. R., & Krisnadi, I. G. (2020). Konservasi Mangrove oleh Masyarakat Pesisir Malang Selatan 2012-2016. *Jurnal Penelitian Pendidikan Guru Sekolah Dasar*, 2(2).
- Indrawati, A., Subagyo, H., Sihombing, A., Wagiyah, W., & Afandi, S. (2020). Analyzing The Impact Of Resampling Method For Imbalanced Data Text In Indonesian Scientific Articles Categorization. *Baca: Jurnal Dokumentasi Dan Informasi*, 41(2). <https://doi.org/10.14203/j.baca.v41i2.702>
- Jhonnerie, R., Siregar, V. P., Nababan, B., Prasetyo, L. B., & Wouthuyzen, S. (2015). Random Forest Classification for Mangrove Land Cover Mapping Using Landsat 5 TM and Alos Palsar Imageries. *Procedia Environmental Sciences*, 24. <https://doi.org/10.1016/j.proenv.2015.03.028>
- Jui, S. J. J., Ahmed, A. A. M., Bose, A., Raj, N., Sharma, E., Soar, J., & Chowdhury, M. W. I. (2022). Spatiotemporal Hybrid Random Forest Model for Tea Yield Prediction Using Satellite-Derived Variables. *Remote Sensing*, 14(3). <https://doi.org/10.3390/rs14030805>
- Katya, E. (2023). Exploring Feature Engineering Strategies for Improving Predictive Models in Data Science. *Research Journal of Computer Systems and Engineering*, 4(2). <https://doi.org/10.52710/rjcse.88>
- Khan, F., Ibrahim Channa, M., Ali Soomro, M., Professor, A., Zaman Nizamani, S., & Aamir Bhutto, M. (2024). Advancing Machine Learning: Development, Evaluation, and Feature Engineering in Domain-Specific Applications. *International Journal on Recent and Innovation Trends in Computing and Communication*, 12. <http://www.ijritcc.org>

- Khan, M. Y., Qayoom, A., Nizami, M. S., Siddiqui, M. S., Wasi, S., & Raazi, S. M. K. U. R. (2021). Automated Prediction of Good Dictionary EXamples (GDEx): A Comprehensive Experiment with Distant Supervision, Machine Learning, and Word Embedding-Based Deep Learning Techniques. *Complexity*, 2021. <https://doi.org/10.1155/2021/2553199>
- Leal, M., Spalding Cartography by Kate Longley-Wood with, M. D., An, T., Andradi-Brown, D., Arquiza, Y., Barnes, E., Beeston, M., Benbow, S., Berzina-Rodrigo, A., Bood, N., Brown, C., Bunting, P., Cameron, C., Canty, S., Cummings-Krueger, E., Dahdouh-Guebas, F., de Hoog, A., Debney, A., Claudia Díazgranados, M., ... zu Ermgassen, P. (2022). *Ecosystems of Hope Map credits The Global Mangrove Alliance*. [www.mangrovealliance.org](http://www.mangrovealliance.org) and [www.globalmangrovewatch.org](http://www.globalmangrovewatch.org)
- Letsoin, S. M. A., Herak, D., Rahmawan, F., & Purwestri, R. C. (2020). Land cover changes from 1990 to 2019 in Papua, Indonesia: Results of the remote sensing imagery. *Sustainability (Switzerland)*, 12(16). <https://doi.org/10.3390/su12166623>
- Lubis, R. E. L. (2023, Agustus 15). *Hutan mangrove terancam hilang di Kalimantan - Dilema masyarakat Kubu Raya antara lingkungan dan minimnya lapangan kerja*. BBC News Indonesia. <https://www.bbc.com/indonesia/indonesia-66269380>
- Maimon, O., & Rokach, L. (2006). Introduction to Knowledge Discovery in Databases. Dalam *Data Mining and Knowledge Discovery Handbook*. [https://doi.org/10.1007/0-387-25465-x\\_1](https://doi.org/10.1007/0-387-25465-x_1)
- Maurya, K., Mahajan, S., & Chaube, N. (2021). Remote sensing techniques: mapping and monitoring of mangrove ecosystem—a review. Dalam *Complex and Intelligent Systems* (Vol. 7, Nomor 6). <https://doi.org/10.1007/s40747-021-00457-z>
- Nurhopipah, A., Ceasar, Y., & Priadana, A. (2021). Improving Machine Learning Accuracy using Data Augmentation in Recruitment Recommendation Process.

*3rd 2021 East Indonesia Conference on Computer and Information Technology, EIConCIT 2021*. <https://doi.org/10.1109/EIConCIT50028.2021.9431908>

Nurhopipah, A., & Magnolia, C. (2023). Perbandingan Metode Resampling Pada Imbalanced Dataset Untuk Klasifikasi Komentar Program MBKM. *Jurnal Publikasi Ilmu Komputer dan Multimedia*, 2(1). <https://doi.org/10.55606/jupikom.v2i1.862>

Putri, M. R., & Aini, N. (2018, Januari 10). *Kementerian LHK Sebut 1,81 Juta Hektare Mangrove Rusak*. REPUBLIKA.

Ramírez, J. L. S., Jiménez-Cruz, R., Villuendas-Rey, Y., & Yáñez-Márquez, C. (2023). Random forest Algorithm for the Classification of Spectral Data of Astronomical Objects. *Algorithms*, 16(6). <https://doi.org/10.3390/a16060293>

Riyanto, U. (2019). Analisis Perbandingan Algoritma Naive Bayes Dan Support Vector Machine Dalam Mengklasifikasikan Jumlah Pembaca Artikel Online. *JIKA (Jurnal Informatika)*, 2(2). <https://doi.org/10.31000/.v2i2.1521>

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>

Suci Amaliah, Nusrang, M., & Aswi, A. (2022). Penerapan Metode Random Forest Untuk Klasifikasi Varian Minuman Kopi di Kedai Kopi Konijiwa Bantaeng. *VARIANSI: Journal of Statistics and Its application on Teaching and Research*, 4(3). <https://doi.org/10.35580/variansiunm31>

Tran, T. V., Reef, R., & Zhu, X. (2022). A Review of Spectral Indices for Mangrove Remote Sensing. Dalam *Remote Sensing* (Vol. 14, Nomor 19). <https://doi.org/10.3390/rs14194868>

Vilma, M. A., Fernando, A., Cravo, M., Massingue, M., Lima, H., Macamo, C., Bandeira, S., & Paula, J. (2022). A Comparison of Mangrove Forest Structure and

Ecosystem Services in Maputo Bay (Eastern Africa) and Príncipe Island (Western Africa). *Forests*, 13(9). <https://doi.org/10.3390/f13091466>

Win, K. S., & Sasaki, J. (2024). The Change Detection of Mangrove Forests Using Deep Learning with Medium-Resolution Satellite Imagery: A Case Study of Wunbaik Mangrove Forest in Myanmar. *Remote Sensing*, 16(21). <https://doi.org/10.3390/rs16214077>

Xiao, X., Zou, Y., Huang, J., Luo, X., Yang, L., Li, M., Yang, P., Ji, X., & Li, Y. (2024). An Interpretable Model for Landslide Susceptibility Assessment based on Optuna Hyperparameter Optimization and Random Forest. *Geomatics, Natural Hazards and Risk*, 15(1). <https://doi.org/10.1080/19475705.2024.2347421>

Yi, X., Xu, Y., Hu, Q., Krishnamoorthy, S., Li, W., & Tang, Z. (2022). ASN-SMOTE: a synthetic minority oversampling method with adaptive qualified synthesizer selection. *Complex and Intelligent Systems*, 8(3). <https://doi.org/10.1007/s40747-021-00638-w>

Zhai, Y., Qu, Z., & Hao, L. (2018). Land cover classification using integrated spectral, temporal, and spatial features derived from remotely sensed images. *Remote Sensing*, 10(3). <https://doi.org/10.3390/rs10030383>