

DAFTAR PUSTAKA

- Achmadi, P. N., Dimyati, M., Manesa, M. D. M., & Rakuasa, H. (2023). Model Perubahan Tutupan Lahan Berbasis Ca-Markov: Studi Kasus Kecamatan Ternate Utara, Kota Ternate. *JTSL (Jurnal Tanah Dan Sumberdaya Lahan)*, 10(2), 451–460.
- Achugbu, I. C., Olufayo, A. A., Balogun, I. A., Dudhia, J., McAllister, M., Adefisan, E. A., & Naabil, E. (2022). Potential effects of Land Use Land Cover Change on streamflow over the Sokoto Rima River Basin. *Heliyon*, 8(7), e09779. <https://doi.org/https://doi.org/10.1016/j.heliyon.2022.e09779>
- Aken Andha, R. (2024). *Evaluasi dan Strategi Sinkronisasi Program Pemanfaatan Ruang Pada Rencana Tata Ruang Wilayah Terhadap Rencana Pembangunan di Kabupaten Lampung Utara*. UNIVERSITAS LAMPUNG.
- Alademomi, A. S., Okolie, C. J., Daramola, O. E., Akinnusi, S. A., Adediran, E., Olanrewaju, H. O., Alabi, A. O., Salami, T. J., & Odumosu, J. (2022). The interrelationship between LST, NDVI, NDBI, and land cover change in a section of Lagos metropolis, Nigeria. *Applied Geomatics*, 14(2), 299–314.
- Aliyah, A., Hartono, N., & Muin, A. A. (2025). Penggunaan User Acceptance Testing (UAT) Pada Pengujian Sistem Informasi Pengelolaan Keuangan dan Inventaris Barang. *Switch: Jurnal Sains Dan Teknologi Informasi*, 3(2), 42–58.
- Anderson, K. S., Hansen, C. W., Holmgren, W. F., Jensen, A. R., Mikofski, M. A., & Driesse, A. (2023). pvlb python: 2023 project update. *Journal of Open Source Software*, 8(92), 5994.
- Aziz, S., Rahayu, P., & Istanabi, T. (2023). Potensi Wilayah Perkotaan Polisentris Pada Surakarta Raya Ditinjau Dari Perspektif Pusat Aktivitas. *Jurnal Pengembangan Kota*, 11(2), 140–154.
- Benzaghta, M. A., Elwalda, A., Mousa, M. M., Erkan, I., & Rahman, M. (2021). SWOT analysis applications: An integrative literature review. *Journal of Global Business Insights*, 6(1), 55–73.
- Bhatt, B., & Nandu, M. (2021). An overview of structural uml diagrams. *International Research Journal of Engineering and Technology*, 8(8), 1577–1583.
- Dimyati, M. (2022). *Memahami Penginderaan Jauh Mandiri*. Universitas Indonesia Publishing.
- Gallatin, K., & Albon, C. (2023). *Machine learning with Python cookbook*. “O’Reilly Media, Inc.”
- Grant, K. J. (2024). *CSS in Depth*. Simon and Schuster.
- Gür, I., Nachum, O., Miao, Y., Safdari, M., Huang, A., Chowdhery, A., Narang, S.,

- Fiedel, N., & Faust, A. (2023). Understanding html with large language models. *Findings of the Association for Computational Linguistics: EMNLP 2023*, 2803–2821.
- Harmoko, J., Munibah, K., & Ardiansyah, M. (2025). *Klasifikasi Penutupan / Penggunaan Lahan Dari Citra Landsat 8 Dengan Pendekatan Random Forest dan Support Vector Machine di Kabupaten Sumedang, Jawa Barat*. 27(April), 24–31.
- Hayati, S. H., Rahayu, P., & Rini, E. F. (2022). Fenomena Urban Heat Island dan kaitannya dengan urbanisasi wilayah di Subosukawonosraten. *Region: Jurnal Pembangunan Wilayah Dan Perencanaan Partisipatif*, 21(1), 228–246.
- Helmud, E., Helmud, E., Fitriyani, F., & Romadiana, P. (2024). Classification Comparison Performance of Supervised Machine Learning Random Forest and Decision Tree Algorithms Using Confusion Matrix. *Jurnal Sisfokom (Sistem Informasi Dan Komputer)*, 13(1), 92–97. <https://doi.org/10.32736/sisfokom.v13i1.1985>
- Hidayat, N., & Hati, K. (2021). Penerapan metode Rapid Application Development (RAD) dalam rancang bangun sistem informasi rapor online (SIRALINE). *Jurnal Sistem Informasi*, 10(1), 8–17.
- Huang, S., Tang, L., Hupy, J. P., Wang, Y., & Shao, G. (2021). A commentary review on the use of normalized difference vegetation index (NDVI) in the era of popular remote sensing. *Journal of Forestry Research*, 32(1), 1–6. <https://doi.org/10.1007/s11676-020-01155-1>
- Intern, D. (2021). *Apa itu Activity Diagram? Beserta Pengertian, Tujuan, Komponen*. <https://www.dicoding.com/blog/apa-itu-activity-diagram/>
- Jacobson, L., & Booch, J. R. G. (2021). *The unified modeling language reference manual*.
- Juliarto, R. (2021). *Contoh Use Case Diagram Lengkap dengan Penjelasannya*. <https://www.dicoding.com/blog/contoh-use-case-diagram/>
- Kharchenko, O. Y., & Semerikov, S. O. (2025). A systematic review of research on teaching web design to secondary school students through HTML and CSS. *Discover Education*, 5(1), 59.
- Kulkarni, D. R. N., & Srinivasa, C. K. (2021). Novel approach to transform UML Sequence diagram to Activity diagram. *Journal of University of Shanghai for Science and Technology*, 23(07), 1247–1255.
- Kurniawan, H., Apriliah, W., Kurniawan, I., & Firmansyah, D. (2021). Penerapan metode waterfall dalam perancangan sistem informasi penggajian pada SMK Bina Karya Karawang. *Jurnal Interkom*, 14(4), 13–23.
- Laonamsai, J., Julphunthong, P., Sapraphet, T., Kimmany, B., Ganchanasuragit, T., Chomcheawchan, P., & Tomun, N. (2023). Utilizing NDWI, MNDWI, SAVI,

- WRI, and AWEI for estimating erosion and deposition in Ping River in Thailand. *Hydrology*, 10(3), 70.
- Lathkar, M. (2023). Getting started with FastAPI. In *High-Performance Web Apps with FastAPI: The Asynchronous Web Framework Based on Modern Python* (pp. 29–64). Springer.
- Latue, P. C. (2023). Analisis Spasial Temporal Perubahan Tutupan Lahan di Pulau Ternate Provinsi Maluku Utara Citra Satelit Resolusi Tinggi. *Buana Jurnal Geografi, Ekologi Dan Kebencanaan*, 1(1), 31–38.
- Li, L., Zhu, A., Huang, L., Wang, Q., Chen, Y., Ooi, M. C. G., Wang, M., Wang, Y., & Chan, A. (2022). Modeling the impacts of land use/land cover change on meteorology and air quality during 2000–2018 in the Yangtze River Delta region, China. *Science of the Total Environment*, 829, 154669.
- Lubanovic, B. (2023). *FastAPI*. “O’Reilly Media, Inc.”
- Lubis, A. S., & Ginting, M. P. A. (2024). Pengujian aplikasi berbasis web data SKA menggunakan metode Black Box Testing. *Cosmic Jurnal Teknik*, 1(1), 41–48.
- Maspupah, A. (2024). Literature review: Advantages and disadvantages of black box and white box testing methods. *Jurnal Techno Nusa Mandiri*, 21(2), 151–162.
- McAllister, E., Payo, A., Novellino, A., Dolphin, T., & Medina-Lopez, E. (2022). Multispectral satellite imagery and machine learning for the extraction of shoreline indicators. *Coastal Engineering*, 174, 104102.
- Meyer, E., & Weyl, E. (2023). *CSS: The Definitive Guide*. “O’Reilly Media, Inc.”
- Montero, D., Aybar, C., Mahecha, M. D., Martinuzzi, F., Söchting, M., & Wieneke, S. (2023). A standardized catalogue of spectral indices to advance the use of remote sensing in Earth system research. *Scientific Data*, 10(1), 197.
- Musyaffa, I. (2024). *Metode Pengembangan RAD (Rapid Application Development)*. <https://agus-hermanto.com/blog/detail/metode-pengembangan-rad-rapid-application-development>
- Narulita, S., Nugroho, A., & Abdillah, M. Z. (2024). Diagram Unified Modelling Language (UML) untuk Perancangan Sistem Informasi Manajemen Penelitian dan Pengabdian Masyarakat (SIMLITABMAS). *Bridge: Jurnal Publikasi Sistem Informasi Dan Telekomunikasi*, 2(3), 244–256.
- Novando, G., & Arif, D. A. (2021). Comparison of soil adjusted vegetation index (SAVI) and modified soil adjusted vegetation index (MSAVI) methods to view vegetation density in padang city using landsat 8 image. *International Remote Sensing Applied Journal*, 2(1), 31–36.
- Nurfauziah, H., & Jamaliyah, I. (2022). Perbandingan metode testing antara blackbox dengan whitebox pada sebuah sistem informasi. *Jurnal Visualika*, 8(2), 105–113.

- Osmani, A. (2023). *Learning JavaScript Design Patterns: A JavaScript and React Developer's Guide*. "O'Reilly Media, Inc."
- Prayesy, P. A. (2025). Studi perbandingan metode Support Vector Machine, Random Forest, dan Convolutional Neural Network untuk klasifikasi penyakit kulit. *Jurnal Kecerdasan Buatan Dan Teknologi Informasi*, 4(1), 70–76.
- Prayogi, H., & Setiadi, H. (2023). *Land cover change analysis in Majalengka Regency using the pan-sharpening method and random forest machine learning algorithm*. 28(2), 178–192. <https://doi.org/10.17977/um017v28i22023p178-192>
- Primananda, C. R., Gani, A. Y. A., & Said, M. S. (2026). Aplikasi Pengolahan Data Rekam Medis Pada Puskesmas Nambo Berbasis Web. *Simtek: Jurnal Sistem Informasi Dan Teknik Komputer*, 11(1), 117–124.
- Putra, A. K., Sukmono, A., & Sasmito, B. (2018). Analisis Hubungan Tutupan Lahan Terhadap Suhu Permukaan Terkait Fenomena Urban Heat Island Menggunakan Citra Landsat (Studi Kasus: Kota Surakarta). *Jurnal Geodesi Undip*, 7(3), 22–31. <https://doi.org/https://doi.org/10.14710/jgundip.2018.21212>
- Puyt, R. W., Lie, F. B., & Wilderom, C. P. M. (2023). The origins of SWOT analysis. *Long Range Planning*, 56(3), 102304.
- Riehl, K., Neunteufel, M., & Hemberg, M. (2023). Hierarchical confusion matrix for classification performance evaluation. *Journal of the Royal Statistical Society Series C: Applied Statistics*, 72(5), 1394–1412. <https://doi.org/10.1093/jrssc/qlad057>
- Salas, E. A. L., & Kumaran, S. S. (2023). Hyperspectral Bare Soil Index (HBSI): Mapping soil using an ensemble of spectral indices in machine learning environment. *Land*, 12(7), 1375.
- 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>
- Santoso, L., & Amanullah, J. (2022). Pengembangan Sistem Informasi Akademik Berbasis Website Menggunakan Metode Rapid Application Development (Rad). *Elkom: Jurnal Elektronika Dan Komputer*, 15(2), 250–259.
- Sasoko, D. M., & Mahrudi, I. (2022). Teknik analisis SWOT dalam sebuah perencanaan kegiatan. *Jurnal Studi Interdisipliner Perspektif*, 22(1), 8–19.
- Setiawan, R. (2021). *Apa Itu Sequence Diagram dan Contohnya*. <https://www.dicoding.com/blog/apa-itu-sequence-diagram/>
- Shiffman, D. (2024). *The nature of code: simulating natural systems with JavaScript*. No Starch Press.
- Shree, N. G., & Meiaraj, C. (2025). Land use and land cover change detection by

- machine learning classifiers (SVM and RF) using satellite remote sensing observations for Cuddalore Taluk, Tamil Nadu, India. *Journal of Earth System Science*, 134(1), 22.
- Somanathan, S. P., Kesavan, M., Parambath, S. K., Muraleedharan, B. V., Krishnan, S., & Damodharan, P. (2024). A novel bare soil index for enhancing the mapping of bare soil Area—An indicator of urban expansion. *Ecological Engineering & Environmental Technology*, 25.
- Sukamto, R. A. (2022). *Analisis dan Desain Perangkat Lunak*.
- Sun, Z., Wang, G., Li, P., Wang, H., Zhang, M., & Liang, X. (2024). An improved random forest based on the classification accuracy and correlation measurement of decision trees. *Expert Systems with Applications*, 237, 121549.
- Tong, R. T. Y., Yuan, Y. K., Dong, N. W., & Ramasamy, R. K. (2022). A Review: Methods of Acceptance Testing. *Proceedings of the International Conference on Technology and Innovation Management (ICTIM 2022)*, 76–86.
- Trivusi. (2022). *Algoritma Random Forest: Pengertian dan Kegunaannya*. <https://www.trivusi.web.id/2022/08/algoritma-random-forest.html>
- Vinueza-Martinez, J., Correa-Peralta, M., Ramirez-Anormaliza, R., Franco Arias, O., & Vera Paredes, D. (2024). Geographic information systems (giss) based on webgis architecture: Bibliometric analysis of the current status and research trends. *Sustainability*, 16(15), 6439.
- Waladi, A. (2025). Peningkatan Akurasi Klasifikasi Tutupan Lahan Menggunakan Random Forest pada Data Sentinel-2 di Jambi. *Jurnal Fasikom*, 15(1), 17–24.
- Wardhana, W., Rizki, A., & Kusumastuti, R. (2026). *Land cover change detection using random forest algorithm on multitemporal satellite imagery*. 1(2), 34–48.
- Zhao, Q., Yu, L., Li, X., Peng, D., Zhang, Y., & Gong, P. (2021). Progress and trends in the application of Google Earth and Google Earth Engine. *Remote Sensing*, 13(18), 3778.
- Zheng, Y., Tang, L., & Wang, H. (2021). An improved approach for monitoring urban built-up areas by combining NPP-VIIRS nighttime light, NDVI, NDWI, and NDBI. *Journal of Cleaner Production*, 328, 129488.
- Zhou, Z.-H. (2021). *Machine learning*. Springer nature.
- Zulfajri, Danoedoro, P., & Murti, S. H. (2021). Klasifikasi Tutupan Lahan Data Landsat-8 OLI Menggunakan Metode Random Forest. *Jurnal Penginderaan Jauh Indonesia*, 03(01), 1–7.