

DAFTAR PUSTAKA

- Adiyaksa, F., & Djojomartono, P. N. (2020). Evaluasi alih fungsi lahan pertanian menjadi lahan industri di Kabupaten Kendal Tahun 2014 - 2018. *JGISE*, 3(1). <https://doi.org/10.22146/jgise>
- Affan, F. M. (2014). Analisis perubahan penggunaan lahan untuk permukiman dan industri dengan menggunakan Sistem Informasi Geografis (SIG). *Jurnal Ilmiah Pendidikan Geografi*, 2(1).
- Anderson, J. R., Hardy, E. E., Roach, J. T., & Witmer, R. E. (1976). A land use and land cover classification system for use with remote sensor data. In *U S Geol Surv, Prof Pap* (Number 964). <https://doi.org/10.3133/pp964>
- Badan Standardisasi Nasional (BSN). (2014). *SNI 7645-1:2014: Klasifikasi Penutup Lahan – Bagian 1: Skala Kecil dan Menengah*.
- Baig, M. F., Mustafa, M. R. U., Baig, I., Takaijudin, H. B., & Zeshan, M. T. (2022). Assessment of Land Use Land Cover Changes and Future Predictions Using CA-ANN Simulation for Selangor, Malaysia. *Water (Switzerland)*, 14(3). <https://doi.org/10.3390/w14030402>
- Bakker, W. H., Janssen, L. L. F., Reeves, C. V, Gorte, B. G. H., Pohl, C., Weir, M. J. C., Horn, J. A., Prakash, A., & Woldai, T. (2001). Principles of Remote Remote Sensing - An introductory text book. In *ITC , Enschede, The Netherlands*.
- Ball, G. H., & Hall, D. J. (1965). ISODATA, a novel method of data analysis and pattern classification. *Analysis*, (AD699616).
- Batty, M. (2010). Modelling urban development with Geographical Information Systems and Cellular Automata. *The Photogrammetric Record*, 25(131). <https://doi.org/10.1111/j.1477-9730.2010.00593.x>
- BIG. (2024). *Keputusan Kepala Badan Informasi Geospasial Nomor 121.4 Tahun 2024 tentang Klasifikasi Unsur Penutup Lahan untuk Peta Rupabumi Indonesia Skala 1:1.000 sampai 1:1.000.000*.
- Bintarto. (1989). *Interaksi Desa Kota dan Permasalahanya*. Ghalia Indonesia.
- BPS. (2024). *Kabupaten Kendal dalam Angka 2024*.
- BPS. (2025, January 10). *Luas Kawasan Hutan dan Kawasan Konservasi Perairan Indonesia Berdasarkan Surat Keputusan Menteri Lingkungan Hidup dan*

- Kehutanan, 2017-2023. Pertanian, Kehutanan, Perikanan Badan Pusat Statistik.
- Burrough, P. A. (1986). Principles of geographical information systems for land resources assessment. *Principles of Geographical Information Systems for Land Resources Assessment*. <https://doi.org/10.1097/00010694-198710000-00012>
- Chapin, F. S., & Kaiser, E. J. (1979). *Urban Land Use Planning* (3rd ed.). University of Illinois Press.
- Congalton, R. G. (2015). Remote Sensing and Image Interpretation. 7th Edition. *Photogrammetric Engineering & Remote Sensing*, 81(8). <https://doi.org/10.14358/pers.81.8.615>
- Congalton, R. G., & Green, K. (2008). Assessing the accuracy of remotely sensed data: Principles and practices, second edition. In *Assessing the Accuracy of Remotely Sensed Data: Principles and Practices, Second Edition*.
- Cullingworth, B. (2002). *Planning in the USA*. Routledge. <https://doi.org/10.4324/9780203441718>
- Danoedoro, & Projo. (1996). *Pengolahan Citra digital Teori dan Aplikasinya dalam Bidang Penginderaan Jauh*. Fakultas Geografi Universitas Gadjah Mada.
- De Winter, J. (2025). Multicollinearity in Statistical Modeling: A Review. *Researchgate*, (December).
- Di Gregorio, A., and Jansen, L. J. M. (2005). Land Cover Classification System (LCCS): Classification Concepts and User Manual. In *Fao* (Vol. 53).
- DISKOMINFO Kendal. (2019). *Profile Kabupaten Kendal*.
- ESRI. (1990). *Understanding GIS: The ARC/INFO method*. ESRI PRESS.
- Fitriyanto, R., & Susetyo, C. (2023). Prediksi perubahan penggunaan lahan terbangun berbasis cellular automata di Perkotaan Ngawi. *Jurnal Teknik ITS*, 12(1).
- Foody, G. M. (2002). Status of land cover classification accuracy assessment. In *Remote Sensing of Environment* (Vol. 80, Number 1). [https://doi.org/10.1016/S0034-4257\(01\)00295-4](https://doi.org/10.1016/S0034-4257(01)00295-4)

- García-Álvarez, D., Olmedo, M. T. C., Paegelow, M., & Mas, J. F. (2022). Land Use Cover Datasets and Validation Tools: Validation Practices with QGIS. In *Land Use Cover Datasets and Validation Tools: Validation Practices with QGIS*. <https://doi.org/10.1007/978-3-030-90998-7>
- Gharaibeh, A., Shaamala, A., Obeidat, R., & Al-Kofahi, S. (2020). Improving land-use change modeling by integrating ANN with Cellular Automata-Markov Chain model. *Heliyon*, 6(9), e05092. <https://doi.org/10.1016/j.heliyon.2020.e05092>
- Hanafi, F., Setiawan, F., & Putro, S. T. (2024). Identification of Urban Expansion Driving Factors using CA-Markov model: a Case Study Demak and Jepara Regency, Indonesia. *JURNAL GEOGRAFI*, 16(2). <https://doi.org/10.24114/jg.v16i2.56045>
- Han, S.-H., Kim, K. W., Kim, S., & Youn, Y. C. (2018). Artificial Neural Network: Understanding the basic concepts without mathematics. *Dementia and Neurocognitive Disorders*, 17(3), 83. <https://doi.org/10.12779/dnd.2018.17.3.83>
- Hidayah, N., & Gunanto, E. Y. A. (2023). Analisis interaksi spasial ekonomi di kawasan kedungsepur. *Bisecer (Business Economic Entrepreneurship)*, 6(2). <https://doi.org/10.61689/bisecer.v6i2.395>
- Indri Astuty, Y., & Anggrahita, H. (2024). Pemodelan Kesesuaian Lahan Pertanian Pangan Berkelanjutan di Kabupaten Tangerang 2031.
- Irwansyah, E. (2013). Sistem Informasi Geografis; Prinsip Dasar dan Pengembangan Aplikasi. *Digibooks*, (June 2013).
- Jensen, J. R. (1996). Introductory digital image processing: a remote sensing perspective. Second edition. In *Introductory digital image processing: a remote sensing perspective. Second edition*.
- Jensen, J. R. (2005). Introductory digital image processing: a remote sensing perspective: Pearson Prentice Hall. In *Upper Saddle River, NJ* (Number Ed.2).
- Jensen, J. R. (2014). Remote sensing of the environment: an earth resource perspective second edition. In *Pearson Education Limited, Harlow, England* (Vol. 1).

- Karimi, H., Jafarnejhad, J., Khaledi, J., & Ahmadi, P. (2018). Monitoring and prediction of land use/land cover changes using CA-Markov model: a case study of Ravansar County in Iran. *Arabian Journal of Geosciences*, 11(19). <https://doi.org/10.1007/s12517-018-3940-5>
- Kawasan Ekonomi Khusus. (2024). *KEK Kendal: Lokasi strategis dan potensi industri 4.0*. <https://kek.go.id/id/investment/distribution/kek-kendal>.
- Keputusan Presiden (Keppres) Nomor 41 Tahun 1996 Tentang Kawasan Industri, Pub. L. 41, Pemerintah Republik Indonesia (1996).
- KLHK. (2024). Pengendalian Deforestasi dan Karhutla di Indonesia. In *Plt. Kepala Biro Hubungan Masyarakat*.
- Lambin, E. F., Turner, B. L., Geist, H. J., Agbola, S. B., Angelsen, A., Bruce, J. W., & Coomes, O. T. (2001). The causes of land-use and land-cover change: moving beyond the myths. Global environmental change-human and policy dimensions. *Global Environmental Change*, 11(4).
- Lillesand, T. M., & Kiefer, R. W. (1994). Remote sensing and image interpretation. 3rd edition. *Remote Sensing and Image Interpretation*. 3rd Edition.
- Liping, C., Yujun, S., & Saeed, S. (2018). Monitoring and predicting land use and land cover changes using remote sensing and GIS techniques—A case study of a hilly area, Jiangle, China. *PLoS ONE*, 13(7). <https://doi.org/10.1371/journal.pone.0200493>
- Mac Parthaláin, N., & Jensen, R. (2013). Unsupervised fuzzy-rough set-based dimensionality reduction. *Information Sciences*, 229. <https://doi.org/10.1016/j.ins.2012.12.001>
- Martínez-Valderrama, J., Guirado, E., & Maestre, F. T. (2020). Desertifying deserts. In *Nature Sustainability* (Vol. 3, Number 8). <https://doi.org/10.1038/s41893-020-0561-2>
- McCluney, K. E., Belnap, J., Collins, S. L., González, A. L., Hagen, E. M., Nathaniel Holland, J., Kotler, B. P., Maestre, F. T., Smith, S. D., & Wolf, B. O. (2012). Shifting species interactions in terrestrial dryland ecosystems under altered water availability and climate change. In *Biological Reviews* (Vol. 87, Number 3). <https://doi.org/10.1111/j.1469-185X.2011.00209.x>

- Missah, R. E., Sela, R. L. E., & Takumansang, E. D. (2019). Analisis kesesuaian lahan permukiman berdasarkan Rencana Tata Ruang Wilayah (RTRW) di Kabupaten Minahasa Tenggara (Studi Kasus: Kecamatan Ratahan). *Jurnal Spasial*, 6(2).
- Monavia Ayu Rizaty. (2021, August 18). *Sebanyak 56,7% Penduduk Indonesia Tinggal di Perkotaan pada 2020*. Databoks.
- Morisette, J. T., Nickeson, J. E., Davis, P., Wang, Y., Tian, Y., Woodcock, C. E., Shabanov, N., Hansen, M., Cohen, W. B., Oetter, D. R., & Kennedy, R. E. (2003). High spatial resolution satellite observations for validation of MODIS land products: IKONOS observations acquired under the NASA Scientific Data Purchase. *Remote Sensing of Environment*, 88(1–2). <https://doi.org/10.1016/j.rse.2003.04.003>
- Mukhlis, I. R., Erkamim. Mohammad, Putra, Adiwarman, M., Rassarandi, F. D., Rumata, N. A., & Arrofiqoh, E. N. (2023). *Sistem Informasi Geografis (SIG)* (E. Rianty, Ed.). Green Pustaka Indonesia. <https://www.researchgate.net/publication/376582770>
- Mutanga, O., & Kumar, L. (2019). Google Earth Engine Applications. *Remote Sensing*, 11(5), 591. <https://doi.org/10.3390/rs11050591>
- National Industrial Zoning Committee. (1967). *Wilayah Industri Dan Konsep Kawasan Industri. Industrial Development Handbook dari ULI (The Urban Land Institute)*.
- Nugroho, A. S., Witarto, A. B., & Handoko, D. (2003). Support Vector Machine – Teori dan Aplikasinya dalam Bioinformatika. In *Kuliah Umum IlmuKomputer.Com*.
- Perpres. (2022). *Peraturan Presiden Republik Indonesia Nomor 60 Tahun 2022 tentang Rencana Tata Ruang Kawasan Strategis Nasional Kawasan Perkotaan Kendal, Demak, Ungaran, Salatiga, Semarang, dan Purwodadi*.
- Prihatin, R. B. (2016). Alih fungsi lahan di perkotaan (Studi kasus Kota Bandung dan Yogyakarta). *Jurnal Aspirasi*, 6(2). <https://doi.org/10.22212/aspirasi.v6i2.507>
- Prunier, J. G., Colyn, M., Legendre, X., Nimon, K. F., & Flamand, M. C. (2015). Multicollinearity in spatial genetics: Separating the wheat from the chaff using

- commonality analyses. In *Molecular Ecology* (Vol. 24, Number 2).
<https://doi.org/10.1111/mec.13029>
- Rachmah, Z. F. N. (2022). "*Pemodelan Spasial Perkembangan Lahan Terbangun Menggunakan Cellular Automata di Kawasan Metropolitan Banjarkabula Tahun 2007-2035*."
- Richards J. A. (1986). Supervised Classification Techniques. In: Remote Sensing Digital Image Analysis. Springer, Berlin, Heidelberg, 1937(1992).
- Richards, J. A., & Jia, X. (2006). *Remote Sensing Digital Image Analysis*. Springer Berlin Heidelberg. <https://doi.org/10.1007/3-540-29711-1>
- Sadewo, M. N., & Buchori, I. (2018). Simulasi perubahan penggunaan lahan akibat pembangunan Kawasan Industri Kendal (KIK) berbasis Cellular Automata. *Majalah Geografi Indonesia*, 32(2), 115. <https://doi.org/10.22146/mgi.33755>
- Salem, M., Tsurusaki, N., & Divigalpitiya, P. (2020). Land use/land cover change detection and urban sprawl in the peri-urban area of greater Cairo since the Egyptian revolution of 2011. *Journal of Land Use Science*, 15(5). <https://doi.org/10.1080/1747423X.2020.1765425>
- Sarfiah, S. N., Septiani, Y., & Sugiharti, Rr. R. (2023). Peran Kendal sebagai kawasan ekonomi khusus dalam transformasi ekonomi: analisis strategis dan implementasi melalui matriks SWOT. *Journal of Economics Research and Policy Studies*, 3(1), 47–65. <https://doi.org/10.53088/jerps.v3i1.601>
- Setiadi, Y. (2007). Kajian perubahan penggunaan lahan dan faktor-faktor yang mempengaruhinya di Kecamatan Umbulharjo, Kota Yogyakarta. In *Universitas Diponegoro*.
- Sewa, R., Pokhrel, B., Subedi, B., Karki, R. R., Poudel, B., & Kalra, A. (2026). Assessing Historical and Simulating Future Land-Use and Land-Cover Change Through an Integrated Cellular Automata and Machine-Learning Framework in Urbanizing Areas. *Forecasting*, 8(2), 25. <https://doi.org/10.3390/forecast8020025>
- Sugiyono. (2018). Metode Penelitian Kuantitatif, Kualitatif, dan R&D. Alfabeta. In *Alfabeta* (3rd ed.).
- Supendi, P., Priyobudi, P., Jatnika, J., Sianipar, D., Ali, Y. H., Heryandoko, N., Daryono, D., Adi, S. P., Karnawati, D., Anugerah, S. D., Fatchurochman, I.,

- & Sudrajat, A. (2022). Analisis Gempa Bumi Cianjur (Jawa Barat) Mw 5.6 tanggal 21 November 2022. *Badan Meteorologi, Klimatologi, Dan Geofisika (BMKG)*, (November).
- Sydow, A. (1977). Tou, J. T. / Gonzalez, R. C. , Pattern Recognition Principles, London-Amsterdam-Dom Mills, Ontario-Sydney-Tokyo. Addison-Wesley Publishing Company. 1974. 378 S., \$ 19,50 . . *ZAMM - Journal of Applied Mathematics and Mechanics / Zeitschrift Für Angewandte Mathematik Und Mechanik*, 57(6). <https://doi.org/10.1002/zamm.19770570626>
- Trisnaputra, A., Barus, B., & Trisasongko, B. H. (2023). Modeling land use/land cover change in Berau Pantai Forests, Berau Regency, East Kalimantan Province. *Jurnal Pengelolaan Sumberdaya Alam Dan Lingkungan*, 13(3). <https://doi.org/10.29244/jpsl.13.3.386-397>
- Turner, B. L., Lambin, E. F., & Reenberg, A. (2007). The emergence of land change science for global environmental change and sustainability. *Proceedings of the National Academy of Sciences of the United States of America*, 104(52). <https://doi.org/10.1073/pnas.0704119104>
- Undang-Undang (UU) Nomor 4 Tahun 2011 Tentang Informasi Geospasial, Pub. L. 4, Pemerintah Pusat (2011).
- USGS. (2015). Landsat 8 (L8) Data Users Handbook. In *Earth Resources Observation and Science (EROS) Center* (Vol. 8, Number June).
- USGS. (2019). *Landsat 8 Data Users Handbook*.
- USGS. (2022). *Landsat 9 Data Users Handbook*.
- van der Velde, F. (1997). On the use of computation in modelling behaviour. In *Network: Computation in Neural Systems* (Vol. 8, Number 1). <https://doi.org/10.1088/0954-898X/8/1/002>
- Verburg, P. H., van de Steeg, J., Veldkamp, A., & Willemen, L. (2009). From land cover change to land function dynamics: A major challenge to improve land characterization. *Journal of Environmental Management*, 90(3). <https://doi.org/10.1016/j.jenvman.2008.08.005>
- Widodo, W. H. S., & Imaduddina, A. H. (2018). Pemodelan perubahan penggunaan lahan – Cellular Automata di Kecamatan Asemrowo, Kota Surabaya. *Jurnal Planoeearth*, 3(1), 12–16. <https://doi.org/https://doi.org/10.31764/jpe.v3i1.214>

- Wilson, M. D. (2008). Support Vector Machines. In *Encyclopedia of Ecology, Five-Volume Set* (Vols 1–5). Academic Press. <https://doi.org/10.1016/B978-008045405-4.00168-3>
- Wolfram, S. (1983). Statistical mechanics of cellular automata. *Reviews of Modern Physics*, 55(3). <https://doi.org/10.1103/RevModPhys.55.601>
- Yusuf, D., & Rijal, S. A. (2017). *Penginderaan Jauh* (4th ed.). Universitas Negeri Gorontalo.

