

## DAFTAR PUSTAKA

- Agatonovic-Kustrin, S., & Beresford, R. (2000). Basic concepts of artificial neural network (ANN) modeling and its application in pharmaceutical research. *Journal of pharmaceutical and biomedical analysis*, 22(5), 717-727.
- Alavipanah, S., Wegmann, M., Qureshi, S., Weng, Q., & Koellner, T. (2015). The role of vegetation in mitigating urban land surface temperatures: A case study of Munich, Germany during the warm season. *Sustainability*, 7(4), 4689-4706.
- Avdan, U., & Jovanovska, G. (2016). Algorithm for automated mapping of land surface temperature using LANDSAT 8 satellite data. *Journal of sensors*, 2016(1), 1480307.
- Bakka, H., Rue, H., Fuglstad, G.-A., Riebler, A., Bolin, D., Krainski, E., Simpson, D., & Lindgren, F. (2018). Spatial modelling with R-INLA: A review. *Wiley Interdisciplinary Reviews: Computational Statistics*, 10(6)
- Campbell, J. B., & Wynne, R. H. (2011). *Introduction to remote sensing*. Guilford Press.
- Danoedoro, P. 2012, *Pengantar Penginderaan Jauh Digital*, Penerbit Andi, Yogyakarta.
- De By, R. A. (2001). Principles of geographic information systems. *ITC Educational textbook series*, 1, 234.
- Delarizka, A., & Sasmito, B. (2016). Analisis fenomena Pulau Bahang (urban heat island) di Kota Semarang berdasarkan hubungan antara perubahan tutupan lahan dengan suhu permukaan menggunakan citra multi temporal landsat. *Jurnal Geodesi Undip*, 5(4), 165-177.
- Farr, T. G., Rosen, P. A., Caro, E., Crippen, R., Duren, R., Hensley, S., Kobrick, M., Paller, M., Rodriguez, E., Roth, L., Seal, D., Shaffer, S., Shimada, J., Umland, J., Werner, M., Oskin, M., Bubank, D., & Alsdorf, D. (2007). The shuttle radar topography mission. *Reviews of geophysics*, 45(2).
- García, A. M., Santé, I., Crecente, R., & Miranda, D. (2011). An analysis of the effect of the stochastic component of urban cellular automata models. *Computers, Environment and Urban Systems*, 35(4), 289-296.

- Giri, C. P. (Ed.). (2012). *Remote sensing of land use and land cover: principles and applications*. CRC press.
- Gorelick, N., Hancher, M., Dixon, M., Ilyushchenko, S., Thau, D., & Moore, R. (2017). Google Earth Engine: Planetary-scale geospatial analysis for everyone. *Remote sensing of Environment*, 202, 18-27.
- Guha, S., Govil, H., Dey, A., & Gill, N. (2018). Analytical study of land surface temperature with NDVI and NDBI using Landsat 8 OLI and TIRS data in Florence and Naples city, Italy. *European Journal of Remote Sensing*, 51(1), 667-678.
- Hadeler, K. P., & Müller, J. (2017). *Cellular automata: analysis and applications*. Cham: Springer.
- Kamila, Y., Sa'idah, A., Akbar, A. S., Azzen, F. A. N., Rohim, A. Y. B., & Chamidah, N. (2023). Analisis Hubungan Antara Jalur Masuk Universitas dengan Predikat Kelulusan Mahasiswa. *Zeta-Math Journal*, 8(1), 23-29.
- Kim, K. E. (1996). Adaptive majority filtering for contextual classification of remote sensing data. *International Journal of Remote Sensing*, 17(5), 1083-1087.
- Kumar, P. J., Huan, T. L., Li, X., & Yuan, Y. (2018). Panchromatic and multispectral remote sensing image fusion using machine learning for classifying bucolic and farming region. *Int. J. Computational Science and Engineering*, 15(5/6), 340-370.
- Kusumasindy, R., & Rahayu, S. (2022). Implikasi Perubahan Kerapatan Bangunan Dan Kerapatan Vegetasi Terhadap Ruang Terbuka Hijau (RTH) Di Kota Tangerang. *Teknik PWK (Perencanaan Wilayah Kota)*, 11(1), 53-63.
- Insan, A. F. N., & Prasetya, F. A. S. (2021). Sebaran Land Surface Temperature Dan Indeks Vegetasi Di Wilayah Kota Semarang Pada Bulan Oktober 2019. *Buletin Poltanesa*, 22(1), 45-52.
- Jensen J. R. (2000). *Remote Sensing of the Environment: An Earth Resource Perspective*. 2nd Ed. Upper Saddle River, NJ: Prentice-Hall, Inc.
- Jensen, J. R. (2005). *Introductory Digital Image Processing: A Remote Sensing Perspective, Third Edition*, Pearson Education, Inc., United States of America

- Li, J., Zhang, Y., Qin, Q., & Yan, Y. (2017). Investigating the impact of human activity on land use/cover change in China's Lijiang River Basin from the perspective of flow and type of population. *Sustainability*, 9(3), 383.
- Li, X., & Yeh, A. G. O. (2002). Neural-network-based cellular automata for simulating multiple land use changes using GIS. *International Journal of Geographical Information Science*, 16(4), 323-343.
- Li, Z. L., Tang, B. H., Wu, H., Ren, H., Yan, G., Wan, Z., Trigo, I. F., & Sobrino, J. A. (2013). Satellite-derived land surface temperature: Current status and perspectives. *Remote sensing of environment*, 131, 14-37.
- Lillesand, T., Kiefer, R. W., & Chipman, J. (2015). *Remote Sensing and Image Interpretation (7th ed.)*. John Wiley & Sons.
- Macarof, P., & Statescu, F. (2017). Comparasion of NDBI and NDVI as indicators of surface urban heat island effect in landsat 8 imagery: a case study of Iasi. *Present Environment and Sustainable Development*, (2), 141-150.
- Malik, M. S., Shukla, J. P., & Mishra, S. (2019). Relationship of LST, NDBI and NDVI using landsat-8 data in Kandaihimmat watershed, Hoshangabad, India. *Indian Journal of Geo Marine Sciences*, 48(1).
- Musa, S. I., Hashim, M., & Reba, M. N. M. (2017). A review of geospatial-based urban growth models and modelling initiatives. *Geocarto International*, 32(8), 813-833.
- Nasr, M. S., Moustafa, M. A., Seif, H. A., & El Kobrosy, G. (2012). Application of Artificial Neural Network (ANN) for the prediction of EL-AGAMY wastewater treatment plant performance-EGYPT. *Alexandria engineering journal*, 51(1), 37-43.
- Peraturan Menteri Kehutanan Republik Indonesia Nomor: P.12/Menhut-II/2012 Tentang Perubahan Kedua Atas Peraturan Menteri Kehutanan Nomor P.32/Menhut-II/2009 Tentang Tata Cara Penyusunan Rencana Teknik Rehabilitas Hutan Dan Lahan Daerah Aliran Sungai (RTk RHL-DAS) (2012).

- Putra, P. T. K., & Wirdiani, N. K. A. (2014). Pengolahan Citra Digital Deteksi Tepi Untuk Membandingkan Metode Sobel, Robert dan Canny. *Jurnal Ilmiah Merpati (Menara Penelitian Akademika Teknologi Informasi)*, 2(2).
- Putri, N., & Solihin, M. A. (2023). Pengaruh Kondisi Topografi Terhadap Sebaran Suhu Permukaan Lahan: Studi Kasus di Hulu Sub DAS Cikapundung, Jawa Barat. *Majalah Ilmiah Globe*, 25(1), 41-52.
- Retnoningsih, E., & Pramudita, R. (2020). Mengenal machine learning dengan teknik supervised dan unsupervised learning menggunakan python. *Bina Insani Ict Journal*, 7(2), 156-165.
- Rodriguez, E., Morris, C. S., & Belz, J. E. (2006). A global assessment of the SRTM performance. *Photogrammetric Engineering & Remote Sensing*, 72(3), 249-260.
- Rosdania, R., Agus, F., & Kridalaksana, A. H. (2016). Sistem Informasi Geografi Batas Wilayah Kampus Universitas Mulawarman Menggunakan Google Maps API. *Informatika Mulawarman: Jurnal Ilmiah Ilmu Komputer*, 10(1), 38-46.
- Sagita, A. R., Margaliu, A. S. C., Rizal, F., & Mazzaluna, H. P. (2022). Analisis Korelasi Suhu Permukaan, NDVI, Elevasi dan Pola Perubahan Suhu Daerah Panas Bumi Rendingan-Ulubelu-Waypanas, Tanggamus Menggunakan Citra Landsat 8 OLI/TIRS. *Jurnal Geosains dan Remote Sensing*, 3(1), 43-51.
- Sejati, A. W., Buchori, I., & Rudiarto, I. (2019). The spatio-temporal trends of urban growth and surface urban heat islands over two decades in the Semarang Metropolitan Region. *Sustainable Cities and Society*, 46, 101432.
- Srivanit, M., & Hokao, K. (2013). Evaluating the cooling effects of greening for improving the outdoor thermal environment at an institutional campus in the summer. *Building and environment*, 66, 158-172.
- Tariq, A., & Shu, H. (2020). CA-Markov chain analysis of seasonal land surface temperature and land use land cover change using optical multi-temporal satellite data of Faisalabad, Pakistan. *Remote Sensing*, 12(20), 3402.
- Trigo, I. F., Monteiro, I. T., Olesen, F., & Kabsch, E. (2008). An assessment of remotely sensed land surface temperature. *Journal of Geophysical Research: Atmospheres*, 113(D17).

- U.S. Geological Survey. (2019). Landsat 8 (L8) data users handbook (LSDS-1574 v5.0).
- U.S. Geological Survey. (2018). Shuttle Radar Topography Mission (SRTM) 1 Arc-Second Global.
- Viera, A. J., & Garrett, J. M. (2005). Understanding interobserver agreement: the kappa statistic. *Fam med*, 37(5), 360-363.
- Wang, S. Q., Zheng, X. Q., & Zang, X. B. (2012). Accuracy assessments of land use change simulation based on Markov-cellular automata model. *Procedia Environmental Sciences*, 13, 1238-1245.
- Weng, Q., Lu, D., & Schubring, J. (2004). Estimation of land surface temperature–vegetation abundance relationship for urban heat island studies. *Remote sensing of Environment*, 89(4), 467-483.
- Yincan, Y. E., Jiang, X., Pan, G., & Jiang, W. (Eds.). (2018). *Submarine Optical Cable Engineering*. Academic Press.
- Yeh, A. G., Li, X., & Xia, C. (2021). Cellular automata modeling for urban and regional planning. In *Urban informatics* (pp. 865-883). Singapore: Springer Singapore.
- Yuniasih, B., Adji, A. R. P., & Budi, B. (2022). Evaluation of Pre-Replanting Oil Palm Plant Health using the NDVI Index from Landsat 8 Satellite Imagery. *Jurnal Teknik Pertanian Lampung (Journal of Agricultural Engineering)*, 11(2), 304–313.
- Zhang, Y., Odeh, I. O., & Han, C. (2009). Bi-temporal characterization of land surface temperature in relation to impervious surface area, NDVI and NDBI, using a sub-pixel image analysis. *International Journal of Applied Earth Observation and Geoinformation*, 11(4), 256-264.
- Zhao, L., Lee, X., Smith, R. B., & Oleson, K. (2014). Strong contributions of local background climate to urban heat islands. *Nature*, 511(7508), 216-219.