

## DAFTAR PUSTAKA

- Ardiansyah. 2015. Pengolahan Citra Penginderaan Jauh Menggunakan ENVI 5.1 dan ENVI LiDAR. Jakarta Selatan.
- Badan Pusat Statistik. 2015. Kota Medan dalam Angka.
- Badan Pusat Statistik. 2022. Kota Medan dalam Angka.
- Badan Pusat Statistik. 2023. Kota Medan dalam Angka.
- Chen, Q., Ren, J., Li, Z., & Ni, C. (2009). *Urban Heat Island Effect Research in Chengdu City Based on MODIS Data. Beijing, China, Proceedings of 3rd International Conference on Bioinformatics and Biomedical Engineering, ICBBE 2009, Beijing, China, 11–13 June 2009.*
- Chipman, J. W., Lillesand, T. M., Schmaltz, J. E., Leale, J. E., & Nordheim, M. J. (2004). Mapping lake water clarity with Landsat images in Wisconsin, USA. *Canadian journal of remote sensing*, 30(1), 1-7.
- Coll, C, dkk. 1994. *Estimation of Land Surface Emissivity Differences in the Split-Window Channels of AVHRR. Remote Sensing of Environmenr*, 47, 1 – 25.
- Congalton, R. G., & Green, K. (2019). *Assessing the accuracy of remotely sensed data: principles and practices*. CRC press.
- Coutts, A. M., Harris, R. J., Phan, T., Livesley, S. J., Williams, N. S., & Tapper, N. J. (2016). *Thermal infrared remote sensing of urban heat: Hotspots, vegetation, and an assessment of techniques for use in urban planning. Remote sensing of environment*, 186, 637-651.
- Darlina, S. P., Sasmito, B., & Yuwono, B. D. (2018). Analisis Fenomena Urban Heat Island Serta Mitigasinya (Studi Kasus: Kota Semarang). *Jurnal Geodesi Undip*, 7(3), 77-87.
- Danoedoro. (2012). Pengantar Penginderaan Jauh Digital. Yogyakarta: ANDI.

- Dousset, B. and Gourmelon, F. (2003) *Satellite Multi-Sensor Data Analysis of Urban Surface Temperatures and Landcover*. ISPRS Journal of Photogrammetry and Remote Sensing, 58, 43-54.
- Fawzi, N. I. (2017). Mengukur urban heat island menggunakan penginderaan jauh, kasus di Kota Yogyakarta. *Majalah Ilmiah Globe*, 19(2), 195-206.
- Fawzi, N. I., & Jatmiko, R. H. (2015). *Heat island detection in coal mining areas using multitemporal remote sensing*. In *ACRS 2015-36th Asian Conference on Remote Sensing: Fostering Resilient Growth in Asia, Proceedings.sensing. Proceedings of the 36th Asian Conference on Remote Sensing*
- Ghasempour, F., Sekertekin, A., & Kutoglu, S. H. (2023). How Landsat 9 IS Superior to Landsat 8: Comparative Assessment of Land Use Land Cover Classification and Land Surface Temperature. *ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences*, 10, 221-227.
- Ibrahim, F., Atriani, F., Wulan, R., Putra, M. D., & Maulana, E. (2016). Perbandingan Ekstraksi Brightness Temperatur Landsat 8 Tirs Tanpa *Atmosphere Correction*. Prosiding Seminar Nasional Geografi UMS
- Indradjati, P. N., & Aisha, I. N. (2019). *Adapting Urban Heat Island Mitigation Strategy on Bandung Downtown Area. DIMENSI (Journal of Architecture and Built Environment)*, 46(2), 129-140.
- Jensen, J.R., 2005, *Introductory Digital Image Processing : A Remote Sensing Perspective*, Third Edition, Pearson Education, Inc., United States of America
- Handayani, M. N., Sasmito, B., & Wijaya, A. P. (2017). Analisis hubungan antara perubahan suhu dengan indeks kawasan terbangun menggunakan citra Landsat studi kasus: kota Surakarta). *Jurnal Geodesi Undip*, 6(4), 208-2018.
- Harmay, N. S. M., & Choi, M. (2023). *The urban heat island and thermal heat stress correlate with climate dynamics and energy budget variations in multiple urban environments. Sustainable Cities and Society*, 91, 104422.

- Hayati, A. R. N. (2019). Pemanfaatan Citra Landsat 8 untuk Mengetahui Perubahan Suhu Permukaan Tanah (*Land Surface Temperature*) di Kabupaten Ngawi Tahun 2015, 2017 dan 2019. ITN Malang.
- Iswanto, P., A., 2008. “*Urban Heat Island* di Kota Pangkalpinang Tahun 2000 dan 2006”. Tesis. Departemen Geografi FMIPA, Universitas Indonesia. Depok.
- Kafy, A.A., Rahman, M.S., Faisal, A.-A.-, Hasan, M.M., Islam, M., 2020. *Modelling future land use land cover changes and their impacts on land surface temperatures in Rajshahi, Bangladesh. Remote Sens. Appl. Soc. Environ.* 18, 100314.
- Kanata, B., Iqbal, M. S., & Ramdayanti, R. (2021). Penerapan Metode Supervised Classification Maximum Likelihood pada Citra Satelit Landsat Untuk Memetakan Perubahan Tutupan Lahan di Taman Nasional Bukit Barisan Selatan (TBBBS). *Dielektrika*, 8(1), 44-53.
- Kusumawardani, K. P., & Hidayati, I. N. (2022, November). *Analysis of urban heat island and urban ecological quality based on remote sensing imagery transformation in Semarang city*. In *IOP Conference Series: Earth and Environmental Science* (Vol. 1089, No. 1, p. 012037). IOP Publishing.
- Kontryana, A., Hasyim, A. W., & Leksono, A. S. (2021). Identifikasi Pertumbuhan Urban Heat Island secara Spasial-Temporal di Kota Palangka Raya Menggunakan Penginderaan Jauh dan Sistem Informasi Geografis. *Jurnal Serambi Engineering*, 6(1).
- Liu, J. D. (2005). *China's environment in a globalizing world*. *Nature*, 435(June), 1179–1186
- Lillesand, T.M. & Kiefer, R.W. 1997. Penginderaan Jauh dan Interpretasi Citra. Yogyakarta: Gadjah Mada University Press
- Lillesand, T. M., Kiefer, R. W., & Chipman, J. W. (2015). *Remote Sensing and Image*.

- Lindgren, D.T. 1985. *Penginderaan Jauh Untuk Perencanaan Penggunaan Lahan*. Yogyakarta: Gadjah Mada University Press.
- Liou, Y.-A., Nguyen, K.-A., & Li, M.-H. (2017). *Assessing spatiotemporal ecoenvironmental vulnerability by Landsat data*. *Ecological Indicators*, 80, 52-65
- Masek, J. G., M. A. Wulder, B. Markham, J. McCorkel, C. J. Crawford, J. Storey, and D. T. Jenstrom. 2020. "Landsat 9: Empowering Open Science and Applications Through Continuity." *Remote Sensing of Environment* 248: 111968.
- Miller, H. M. (2016). *Users and Uses of Landsat 8 Satellite Imagery: 2014 Survey Results*. US Department of the Interior, US Geological Survey.
- Nurgaraha. 2019. *Permanfaatan Metode Spit-Windows Algorithm (SWA) pada Landsat 8 Menggunakan Data Uap Air Modis Terra*.
- Noviar, H., Carolita, I., & Santo Cahyono, J. (2012). Uji Akurasi Training Sampel Berbasis Objek Citra Landsat Di Kawasan Hutan Provinsi Kalimantan Tengah. *GEOMATIKA*, 18(2).
- Pacheco, A. D. P., da Silva Junior, J. A., Ruiz-Armenteros, A. M., Henriques, R. F. F., & de Oliveira Santos, I. (2023). *Analysis of Spectral Separability for Detecting Burned Areas Using Landsat-8 OLI/TIRS Images under Different Biomes in Brazil and Portugal*. *Forests*, 14(4), 663.
- Patra, S., Sahoo, S., Mishra, P., & Mahapatra, S. C. (2018). *Impacts of urbanization on land use /cover changes and its probable implications on local climate and groundwater level*. *Journal of Urban Management*, 7(2), 70–84.
- Putra, A. K., Sukmono, A., & Sasmito, B. (2018). Analisis hubungan perubahan tutupan lahan terhadap suhu permukaan terkait fenomena Urban Heat Island menggunakan citra landsat (Studi Kasus: Kota Surakarta). *Jurnal Geodesi Undip*, 7(3), 22-31.

Purwadhi, S. H. 2001. Interpretasi Citra Digital. Gramedia Widiasarana Indonesia. Jakarta

Purwadhi, F. S. H., & Sanjoto, T. B. (2008). Pengantar Interpretasi Citra Penginderaan Jauh.

Purwanto, A., & Sudiro, A. (2015). Pemanfaatan Saluran Thermal Infrared Sensor (TIRS) Landsat 8 untuk Estimasi Temperatur Permukaan Lahan. *Edukasi: Jurnal Pendidikan*, 13(2), 123-132.

Rahiem, M. M. A., & Fakhlevi, M. R. (2019). Analisis Fenomena Pulau Panas Perkotaan Kota Bandung Menggunakan Google Earth Engine

Rajeshwari, A., & Mani, N. D. (2014). *Estimation of Land Surface Temperature of Dindigul District Using Landsat 8 Data. International Journal of Research in Engineering and Technology (IJRET)*, Vol. 3, Issue 5, 122-126.

Reddy, S. N., & Manikiam, B. (2017). *Land surface temperature retrieval from LANDSAT data using emissivity estimation. International Journal of Applied Engineering Research*, 12(20), 9679-9687.

Rushayati, 2012. Model Kota Hijau di Kabupaten Bandung Jawa Barat, Institut Pertanian Bogor, Bogor, Jawa Barat.

Sandholt, I., Rasmussen, K., & Andersen, J. (2002). *A simple interpretation of the surface temperature/vegetation index space for assessment of surface moisture status. Remote Sensing of environment*, 79(2-3), 213-224.

Soltani, A., & Sharifi, E. (2017). *Daily variation of urban heat island effect and its correlations to urban greenery: A case study of Adelaide. Frontiers of Architectural Research*, 6(4), 529-538.

Simamora, FB, Sasmito, B & Haniah, H 2015 'Kajian metode segmentasi untuk identifikasi tutupan lahan dan luas bidang tanah menggunakan citra pada google

- earth (studi kasus: kecamatan tembalang, Semarang'. *Jurnal Geodesi Undip*, 4(4), 43-51.
- Sim J & Wright CC 2005, 'The Kappa Statistic in Reliability Studies: Use, Interpretation, and Sample Size Requirement', *Physical Therapy & Rehabilitation Journal*, Vol. 85, No. 3, hal 257-268.
- Sugiyono. 2008. *Statistika untuk Penelitian*. Bandung: Alfabeta
- Sobrino, J. A. dan Irakulis, I. 2020. *A Methodology for Comparing the Surface Urban Heat Island in Selected Urban Agglomerations Around the World from Sentinel-3 SLSTR Data*. *MDPI Remote Sensing Journal Volume 12, Issues 12*.
- Tampubolon, T., & Yanti, J. (2015). Aplikasi Pemanfaatan Citra Satelit Landsat untuk Mengidentifikasi Perubahan Lahan Kritis di Kota Medan dan sekitarnya. *Jurnal Spektra*, 16(02), 15-19.
- Tjasyono, Bayong. 2004. *Klimatologi*. ITB.
- Tso B, Mather PM. 2009. *Classification Methods for Remotely Sensed Data. Second Edition*. Taylor & Francis Group, LLC. Francis (FR): CRC Press. <https://doi.org/10.1201/9781420090741>
- Walpole, R.E., 1995. *Pengantar Statistika*. Jakarta. Penerbit: Gramedia Pustaka Utama.
- Wulansari, H. (2017). Uji akurasi klasifikasi penggunaan lahan dengan menggunakan metode defuzzifikasi maximum likelihood berbasis Citra Alos Avnir-2. *BHUMI: Jurnal Agraria dan Pertanahan*, 3(1), 98-110.
- Zhang, X., Chen, L., Jiang, W., & Jin, X. (2022). *Urban heat island of Yangtze River Delta urban agglomeration in China: Multi-time scale characteristics and influencing factors*. *Urban Climate*, 43, 101180.