

REFERENSI

- Ananta, R. R., Casriyah, Rehardiyana, Moh. R. I., & Pasha, L. N. (2025). Analisis Dampak Fenomena Peningkatan Urban Heat Island Kota Semarang Tahun 2024. *Aliansi: Jurnal Hukum, Pendidikan Dan Sosial Humaniora*, 2(1), 144–157. <https://doi.org/10.62383/aliansi.v2i1.676>
- Arifah, N., & Susetyo, C. (2018). Penentuan Prioritas Ruang Terbuka Hijau berdasarkan Efek Urban Heat Island di Wilayah Surabaya Timur. *Jurnal Teknik ITS*, 7(2), 143–148.
- Athukorala, P., & Narayanan, S. (2018). Economic corridors and regional development: The Malaysian experience. *World Development*, 106, 1–14. <https://doi.org/https://doi.org/10.1016/j.worlddev.2018.01.009>
- Balany, F., Ng, A. W. M., Muttill, N., Muthukumaran, S., & Wong, M. S. (2020). Green Infrastructure as an Urban Heat Island Mitigation Strategy—A Review. *Water*, 12(12), 1–22. <https://doi.org/10.3390/w12123577>
- Baroroh, N., & Pangi. (2018). Perubahan Tutupan Lahan dan Kerapatan Vegetasi terhadap Urban Heat Island di Kota Surakarta. *Seminar Nasional Geomatika 2018: Penggunaan Dan Pengembangan Produk Informasi Geospasial Mendukung Daya Saing Nasional*, 641–652.
- Bhaskara, B. E., & Pratomo, R. A. (2023). Perkembangan Fenomena Urban Heat Island di Kota Samarinda. *Jurnal Wilayah Dan Lingkungan*, 11(1), 22–35. <https://doi.org/10.14710/jwl.11.1.22-35>
- Cahyono, B. E., Febriawan, E. B., & Nugroho, A. T. (2019). Analisis Tutupan Lahan Menggunakan Metode Klasifikasi Tidak Terbimbing Citra Landsat di Sawahlunto, Sumatera Barat. *Jurnal Teknotan*, 13(1), 8. <https://doi.org/10.24198/jt.vol13n1.2>
- Christy Novianti, T., Sofyan Samri, A., & Nisa, S. (2024). Analisis Urban Heat Island Menggunakan Citra Satelit Landsat 8 di Kota Tangerang. *JOURNAL OF PLANO STUDIES VOLUME*, 1(1), 12–20.
- Dash, P., Göttsche, F.-M., Olesen, F., & Fischer, H. (2002). Land Surface Temperature and Emissivity Estimation from Passive Sensor Data: Theory and Practice-Current Trends. *International Journal of Remote Sensing*, 23, 2563. <https://doi.org/10.1080/01431160110115041>
- 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.
- Deng, F., Yang, Y., Zhao, E., Xu, N., Li, Z., Zheng, P., Han, Y., & Gong, J. (2022). Urban Heat Island Intensity Changes in Guangdong-Hong Kong-Macao Greater Bay Area of China Revealed by Downscaling MODIS LST with Deep Learning. *International Journal of Environmental Research and Public Health*, 19(24). <https://doi.org/10.3390/ijerph192417001>
- Dewi, A. R., Taryana, D., & Astuti, I. S. (2023). Pengaruh Perubahan Kerapatan Bangunan dan Vegetasi terhadap Urban Heat Island di Kota Bekasi menggunakan Citra Penginderaan Jauh Multitemporal. *Jurnal Integrasi Dan Harmoni Inovatif Ilmu-Ilmu Sosial (JIHIS)*, 3(6), 604–625. <https://doi.org/10.17977/um063v3i62023p604-625>
- Effendy, S. (2009). Dampak Pengurangan Ruang Terbuka Hijau (RTH) Perkotaan terhadap Peningkatan Suhu Udara dengan Metode Penginderaan Jauh. *J. Agromet*, 23(2), 169–181.

- Fahreza, W., Slamet, B., & Delvian, D. (2022). Analysis of the Need for Green Open Space Based on Oxygen Requirement in Medan City. *JURNAL GEOGRAFI*, 14(2), 252–265. <https://doi.org/10.24114/jg.v14i2.33363>
- Fawzi, N. I. (2017). Mengukur Urban Heat Island menggunakan Penginderaan Jauh, Kasus di Kota Yogyakarta. *Majalah Ilmiah Globe*, 19(2), 195–206. <https://doi.org/10.24895/mig.2017.19-2.603>
- Fawzi, N. I., & Jatmiko, R. H. (2015, October). Heat Island Detection in Coal Mining Areas Using Multitemporal Remote Sensing. *Proceedings of the 36th Asian Conference on Remote Sensing*. <https://www.researchgate.net/publication/332342803>
- Handayani, W., & Waskitaningsih, N. (2019). *Kependudukan dalam Perencanaan Wilayah dan Kota*. Yogyakarta: Teknosain.
- Humaida, N. (2016). *Metode Penentuan Prioritas Ruang Terbuka Hijau di Kota Banjarbaru Kalimantan Selatan*. Institut Pertanian Bogor.
- Ismiyani, E., Winarno, B., & Ramadhani, M. (2023). Penataan Ruang Kota Berbasis Lingkungan di Kota Surakarta: Implementasi dan Dampaknya. *Jurnal Bengawan Solo : Pusat Kajian Riset Dan Inovasi Daerah Kota Surakarta*, 2(2), 116–129. <https://doi.org/10.58684/jbs.v2i2.59>
- Jabbar, H. K., Hamoodi, M. N., & Al-Hameedawi, A. N. (2023). Urban Heat Islands: A Review of Contributing Factors, Effects and Data. *IOP Conference Series: Earth and Environmental Science*, 1129(1). <https://doi.org/10.1088/1755-1315/1129/1/012038>
- Li, Y., Svenning, J. C., Zhou, W., Zhu, K., Abrams, J. F., Lenton, T. M., Ripple, W. J., Yu, Z., Teng, S. N., Dunn, R. R., & Xu, C. (2024). Green Spaces Provide Substantial but Unequal Urban Cooling Globally. *Nature Communications*, 15(1). <https://doi.org/10.1038/s41467-024-51355-0>
- Lillesand, T., Kiefer, R. W., & Chipman, J. (2015). Remote Sensing and Image Interpretation. In *Earth Surface Processes and Landforms* (7th ed.). John Wiley & Sons. <https://doi.org/10.1002/esp.267>
- Liong, A. S., Nasrullah, N., & Sulistyantara, B. (2021). Assessing the Impact of Land Cover Changes on Land Surface Temperature and the Relation to Urban Heat Island in Makassar City, South Sulawesi. *IOP Conference Series: Earth and Environmental Science*, 879(1). <https://doi.org/10.1088/1755-1315/879/1/012010>
- Liu, Y., Fan, C., & Xue, D. (2024). A Review of the Effects of Urban and Green Space Forms on the Carbon Budget Using a Landscape Sustainability Framework. *Sustainability (Switzerland)*, 16(5). <https://doi.org/10.3390/su16051870>
- Ma, Y., Kuang, Y., & Huang, N. (2010). Coupling urbanization analyses for studying urban thermal environment and its interplay with biophysical parameters based on TM/ETM+ imagery. *International Journal of Applied Earth Observation and Geoinformation*, 12(2), 110–118. <https://doi.org/10.1016/J.JAG.2009.12.002>
- Mardiansjah, F. H., Handayani, W., & Setyono, J. S. (2018). Pertumbuhan Penduduk Perkotaan dan Perkembangan Pola Distribusinya pada Kawasan Metropolitan Surakarta. *Jurnal Wilayah Dan Lingkungan*, 6(3), 215. <https://doi.org/10.14710/jwl.6.3.215-233>
- Mau, K. F., Subagiada, K., & Supriyanto. (2023). Analisis Pengaruh Perubahan Tutupan Lahan Terhadap Suhu Permukaan Tanah di Kota Samarinda. *Jurnal Geosains Kutai Basin*, 6(1), 1–9.
- McGraw-Hill. (2003). *Dictionary of Geology and Mineralogy*. McGraw Hill.

- Muchsin, F., Fibriawati, L., & Pradhono, K. A. (2017). Model Koreksi Atmosfer Citra Landsat-7. *Jurnal Penginderaan Jauh*, 14(2), 101–110. www.lapan.go.id
- Muliadi, Nugraha, I., & Dalilla, F. (2024). Analisis Urban Heat Island menggunakan Citra Landsat di Kota Pekanbaru. *Journal of Urban and Regional Planning for Sustainable Environment (JURPS)*, 3(1), 38–48.
- Najah, F. T., Abdullah, S. F. K., & Abdulkareem, T. A. (2022). Urban Land Use Changes: Effect of Green Urban Spaces Transformation on Urban Heat Islands in Baghdad. *Alexandria Engineering Journal*, 1–17. <https://doi.org/10.1016/j.aej.2022.11.005>
- Nguyen, P. Y., Astell-Burt, T., Rahimi-Ardabili, H., & Feng, X. (2021). Green Space Quality and Health: A Systematic Review. *International Journal of Environmental Research and Public Health*, 18(21). <https://doi.org/10.3390/ijerph182111028>
- Nomura, L. M. N., Bressane, A., Monteiro, V. V., de Oliveira, I. V. B., Ruas, G., Negri, R. G., & da Silva, A. M. (2025). Identifying Priority Areas for Planning Urban Green Infrastructure: A Fuzzy Artificial Intelligence-Based Framework. *Urban Science*, 9(4). <https://doi.org/10.3390/urbansci9040126>
- Norton, B. A., Coutts, A. M., Livesley, S. J., Harris, R. J., Hunter, A. M., & Williams, N. S. G. (2015). Planning for Cooler Cities: A Framework to Prioritise Green Infrastructure to Mitigate High Temperatures in Urban Landscapes. *Landscape and Urban Planning*, 134, 127–138. <https://doi.org/10.1016/J.LANDURBPLAN.2014.10.018>
- Noviani, R., Marfuah, I. N., & Saputra, A. E. (2024). Urbanization Analysis of Land Surface Temperature Modeling in the Peri-Urban of Surakarta. *JURNAL GEOGRAFI*, 16(2), 273–289. <https://doi.org/10.24114/jg.v16i2.53136>
- Noviyanti, E. (2016). *Konsep Manajemen UHI (Urban Heat Island) di Kawasan CBD Kota Surabaya (UP. Tunjangan)*. Institut Teknologi Sepuluh Nopember.
- Oke, T. R. (1982). The Energetic Basis of The Urban Heat Island. *Quart. J. R. Met. Soc.*, 108(455), 1–24.
- Onder, S., & Dursun, S. (2010). Global Climate Changes and Effects on Urban Climate of Urban Green Spaces. *International Journal of Thermal and Environmental Engineering*, 3(1), 37–41. <https://doi.org/10.5383/ijtee.03.01.006>
- Potapov, P., Hansen, M. C., Pickens, A., Hernandez-Serna, A., Tyukavina, A., Turubanova, S., Zalles, V., Li, X., Khan, A., Stolle, F., Harris, N., Song, X. P., Baggett, A., Kommareddy, I., & Kommareddy, A. (2022). The Global 2000-2020 Land Cover and Land Use Change Dataset Derived From the Landsat Archive: First Results. *Frontiers in Remote Sensing*, 3. <https://doi.org/10.3389/frsen.2022.856903>
- Pratiwi, A. Y. (2020). *Analisis Perubahan Distribusi Urban Heat Island (UHI) di Kota Surabaya menggunakan Citra Satelit Landsat Multitemporal*. Institut Teknologi Sepuluh Nopember.
- Prihandono, A. (2010). Penyediaan Ruang Terbuka Hijau (RTH) menurut UU No. 26/2007 tentang Penataan Ruang dan Fenomena Kebijakan Penyediaan RTH di Daerah. *Jurnal Permukiman*, 5(1), 13–23. <http://www.penataanruang.net/taru/nspm>,

- 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.
- QGIS Development Team. (2024). *QGIS User Manual — GDAL raster analysis: Fill NoData*. Retrieved from QGIS Association: <https://docs.qgis.org>
- Rahman, S., Azizah, Z. N., & Djati, N. (2024). Exploring the Relationship of Vegetation Density and Land Cover on the Urban Heat Island Phenomenon in Coblong. *The Indonesian Journal of Planning and Development*, 9(2), 24–32. <https://doi.org/10.14710/ijpd.9.2.24-32>
- Rajasekar, U., & Weng, Q. (2009). Spatio-Temporal Modelling and Analysis of Urban Heat Islands by Using Landsat TM and ETM+ Imagery. *International Journal of Remote Sensing*, 30(13), 3531–3548. <https://doi.org/10.1080/01431160802562289>
- Rakhmanita, E. (2024). *Analisis Urban Heat Island Berdasarkan Ketersediaan Ruang Terbuka Hijau dan Kaitannya dengan Kenyamanan Termal di Kota Surakarta Tahun 2013-2023*. Universitas Sebelas Maret.
- Ramadhan, A. G. S. (2022). Pemanfaatan Penginderaan Jauh Untuk Mengidentifikasi Penggunaan Lahan pada Pembangunan Bandara di Kabupaten Kediri. *Geografi*, 1–7. https://www.researchgate.net/profile/Ahmad-Gilang-Surya-Ramadhan/publication/359506769_PEMANFAATAN_PENGINDERAAN_JAUH_UNTUK_MENGENGIDENTIFIKASI_PENGGUNAAN_LAHAN_PADA_PEMBANGUNAN_BANDARA_DI_KABUPATEN_KEDIRI/links/6241534d8068956f3c539d16/PEMANFAATAN-PENGINDERA
- Rizki, A. R., Tumuyu, S. S., & Rushayati, S. B. (2024). The Impact of Urban Green Space on The Urban Heat Island Phenomenon – A Study Case in East Jakarta, Indonesia. *Geoplanning*, 11(1), 31–42. <https://doi.org/10.14710/geoplanning.11.1.31-42>
- Roy, D. P., Kovalsky, V., Zhang, H. K., Vermote, E. F., Yan, L., Kumar, S. S., & Egorov, A. (2016). Characterization of Landsat-7 to Landsat-8 Reflective Wavelength and Normalized Difference Vegetation Index Continuity. *Remote Sensing of Environment*, 185, 57–70. <https://doi.org/10.1016/j.rse.2015.12.024>
- Sampurno, R. M., & Thoriq, A. (2016). Klasifikasi Tutupan Lahan menggunakan Citra Landsat 8 Operational Land Imager (OLI) di Kabupaten Sumedang. *Jurnal Teknotan*, 10(2), 61–70.
- Saputra, D. F. (2021). *Evaluasi Kesesuaian Penggunaan Lahan Kota Surakarta Tahun 2011-2020 terhadap Rencana Tata Ruang Wilayah Kota Surakarta Tahun 2011-2030*. Universitas Muhammadiyah Surakarta.
- Saputra, M. A. A., Ghozali, A., Pramesti, G. P., & Purwanto, M. Q. (2022). Pola Distribusi Ruang Terbuka Hijau terhadap Temperatur Wilayah Kota Samarinda. *CITIZEN: Jurnal Ilmiah Multidisiplin Indonesia*, 2(3), 419–436. <https://doi.org/10.53866/jimi.v2i1.108>
- Satar, M., Yosliansyah, M. R., & Yuniar, N. (2023). Identification of Potential Land Locations for Green Open Space in Cirebon City Center (Case study: Pekalipan, Kesambi, and Kejaksan Districts). *Jurnal Teknik Sipil Dan Perencanaan*, 25(2), 209–210. <https://doi.org/10.15294/jtsp.v25i2.47047>
- Setiowati, R., Hasibuan, H. S., & Raldi, H. T. K. (2020). Studi Komparasi Perencanaan Ruang Terbuka Hijau Perkotaan antara Jakarta dan Singapura. *Jurnal Lanskap Indonesia*, 12(2). <https://doi.org/10.29244/jli.12.2.2020.54-62>

- Stache, E. (Eva), Schilperoort, B. (Bart), Ottelé, M. (Marc), & Jonkers, H. M. (Henk). (2022). Comparative Analysis in Thermal Behaviour of Common Urban Building Materials and Vegetation and Consequences for Urban Heat Island Effect. *Building and Environment*, 213. <https://doi.org/https://doi.org/10.1016/j.buildenv.2021.108489>
- Sugestiadi, M. I., & Basuki, Y. (2019). Dinamika Pertumbuhan Perkotaan di Kawasan Perkotaan Surakarta. *Seminar Nasional Geomatika*, 3(609), 609–618.
- Sukiyah, E. (2018). *Sistem Informasi Geografis : Konsep dan Aplikasinya dalam Analisis Geomorfologi Kuantitatif* (N. Sulaksana & E. Sunardi, Eds.; 1st ed.). Unpad Press.
- Sumaryana, H., Buchori, I., & Sejati, A. W. (2022). Dampak perubahan tutupan lahan terhadap suhu permukaan di Perkotaan Temanggung: Menuju realisasi program infrastruktur hijau. *Majalah Geografi Indonesia*, 36(1), 68. <https://doi.org/10.22146/mgi.70978>
- Sutanto. (1987). *Penginderaan Jauh* (Vol. 2, Issue v. 2). Gadjah Mada University Press. <https://books.google.co.id/books?id=cUAFHQAAAJ>
- Trida, R. F. (2016). *Pemanfaatan Citra Satelit dan Sistem Informasi Geografis untuk Pengembangan Ruang Terbuka Hijau berdasarkan Estimasi Suhu Permukaan Daratan di Kota Pekalongan* [Universitas Negeri Semarang]. <https://www.researchgate.net/publication/319525749>
- Tulandi, D. A. (2022). Perbandingan Suhu pada Ruang Terbuka Hijau (RTH) dan non RTH di Area Megamas Manado. *Charm Sains: Jurnal Pendidikan Fisika*, 3(1), 50–54. <https://doi.org/10.53682/charmsains.v3i1.152>
- Umar, R., Abidin, M. R., Nur, R., Atjo, A. A., Liani, A. M., Yanti, J., & Utama, I. M. (2022). Penentuan Prioritas Ruang Terbuka Hijau Menggunakan Metode Weighted Overlay. *Jurnal Geosains Dan Remote Sensing*, 3(2), 88–94. <https://doi.org/10.23960/jgrs.2022.v3i2.97>
- U.S. Environmental Protection Agency. (2008). *Reducing Urban Heat Islands: Compendium of Strategies: Trees and Vegetation*. U.S. Environmental Protection Agency. <https://www.epa.gov/heat-islands/heat-island-compendium>.
- U.S. Geological Survey (USGS). (2024). *Landsat 7 (L7) Data Users Handbook* (K. Sayler & K. Zanter, Eds.; 3rd ed.). U.S. Department of the Interior, U.S. Geological Survey (USGS). <https://www.usgs.gov/landsat->
- Wati, T., & Fatkhuroyan, F. (2017). Analisis Tingkat Kenyamanan Di DKI Jakarta Berdasarkan Indeks THI (Temperature Humidity Index). *Jurnal Ilmu Lingkungan*, 15(1), 57–63. <https://doi.org/10.14710/jil.15.1.57-63>
- 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. <https://doi.org/https://doi.org/10.1016/j.rse.2003.11.005>
- Wibisono, P., Miladan, N., & Pamardhi-Utomo, R. (2023). Hubungan Perubahan Kerapatan Vegetasi dan Bangunan terhadap Suhu Permukaan Lahan: Studi Kasus di Aglomerasi Perkotaan Surakarta. *Jurnal Desa-Kota*, 5(1), 148–162. <http://jurnal.uns.ac.id/jdk>
- Wicahyani, S., Sasongko, S. B., & Izzati, M. (2013). Pulang Bahang Kota (Urban Heat Island) di Yogyakarta Hasil Interpretasi Citra Landsat TM tanggal 28 Mei 2012. *Prosiding Seminar Nasional Pengelolaan Sumberdaya Alam Dan Lingkungan*.

Widyanti, R., Nasrullah, N., & Sulistyantara, B. (2025). Analisis Pengaruh Ruang Terbuka Hijau terhadap Fenomena Urban Heat Island di Kota Depok, Jawa Barat. *Jurnal Ilmu Lingkungan*, 23(2), 371–381.

Xu, H. Q., Ren, M. J., & Lin, M. (2024). Cross-Comparison of Landsat-8 and Landsat-9 Data: A Three-Level Approach Based on Underfly Images. *GIScience and Remote Sensing*, 61(1). <https://doi.org/10.1080/15481603.2024.2318071>