

DAFTAR PUSTAKA

- Aldiansyah, S., & Wardani, F. (2023). *ANALISIS SPASIO-TEMPORAL FENOMENA URBAN HEAT ISLAND DAN HUBUNGANNYA TERHADAP ASPEK FISIK DI KOTA MAKASSAR (1993-2021)*.
- Ardi, I. R. (2014). ANALISIS URBAN HEAT ISLAND DALAM KAITANNYA TERHADAP PERUBAHAN PENUTUPAN LAHAN DI KOTA PONTIANAK. *Jurnal Teknologi Lingkungan Lahan Basah*, 2(1).
<https://doi.org/10.26418/jtllb.v2i1.7765>
- Beven, K. J., & Binley, A. (1992). The future of distributed models: Model calibration and uncertainty prediction. *Hydrological Processes*, 6, 279–298.
- BMKG. (2024). *ENSO / Informasi Iklim BMKG*. <https://iklim.bmkg.go.id/id/enso/>
- Christie Nainggolan, Y., Bandi Sasmito, B., & Abdi Sukmono, A. (2020). *Jurnal Geodesi Undip*. 9.
- Delarizka, A., & Sasmito, B. (2016). *Jurnal Geodesi Undip*. 5.
- Ferdiansyah, E., & Penggalih, W. R. (2022). *Identifikasi Urban Heat Island dan Faktor yang Mempengaruhinya Menggunakan Google Earth Engine*. 1(1).
- Fitriani, Y., Hadibasyir, H. Z., Fikriyah, V. N., & Ibrahim, M. H. (2023). Assessment of the Comfort Level of Cilegon City Communities Based on Surface Temperature, Vegetation Density, and Built-Up Land. In H. Z. Hadibasyir & V. N. Fikriyah (Eds.), *Proceedings of the International Conference of Geography and Disaster Management (ICGDM 2022)* (Vol. 755, pp. 34–54). Atlantis Press SARL. https://doi.org/10.2991/978-2-38476-066-4_4
- Frumkin, H. (2002). Urban Sprawl and Public Health. *Public Health Reports*, 117.

- Gadekar, K., Pande, C. B., Rajesh, J., Gorantiwar, S. D., & Atre, A. A. (2023). Estimation of Land Surface Temperature and Urban Heat Island by Using Google Earth Engine and Remote Sensing Data. In C. B. Pande, K. N. Moharir, S. K. Singh, Q. B. Pham, & A. Elbeltagi (Eds.), *Climate Change Impacts on Natural Resources, Ecosystems and Agricultural Systems* (pp. 367–389). Springer International Publishing. https://doi.org/10.1007/978-3-031-19059-9_14
- 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. <https://doi.org/10.1016/j.rse.2017.06.031>
- Hadibasyir, H. Z., Rijal, S. S., & Sari, D. R. (2020). Comparison of Land Surface Temperature During and Before the Emergence of Covid-19 using Modis Imagery in Wuhan City, China. *Forum Geografi*, 34(1). <https://doi.org/10.23917/forgeo.v34i1.10862>
- Hanif, M., & Yandra Nofrizal, A. (2019). HUBUNGAN PERKEMBANGAN LAHAN TERBANGUN PERKOTAAN DENGAN FENOMENA IKLIM MIKRO URBAN HEAT ISLAND. *Jurnal Spasial*, 4(3), 97–103. <https://doi.org/10.22202/js.v4i3.2507>
- Hibbard, K. A., Hoffman, F. M., Huntzinger, D., West, T. O., Wuebbles, D. J., Fahey, D. W., Hibbard, K. A., Dokken, D. J., Stewart, B. C., & Maycock, T. K. (2017). *Ch. 10: Changes in Land Cover and Terrestrial Biogeochemistry. Climate Science Special Report: Fourth National Climate Assessment, Volume I*. U.S. Global Change Research Program. <https://doi.org/10.7930/J0416V6X>

- Julianto, F. D., Putri, D. P. D., & Safi'i, H. H. (2020). *Analisis Perubahan Vegetasi dengan Data Sentinel-2 menggunakan Google Earth Engine (Studi Kasus Provinsi Daerah Istimewa Yogyakarta)*. 02(02).
- Jumadi, Novita Sari, D., Fikriyah, V. N., Aditya Pratama, B., Wardah, H., Triasa Madani, D., Dwi Priyono, K., Zaky Hadibasyir, H., Danardono, & Saputra, A. (2024). Influence of urban growth on urban heat island phenomenon around Jakarta, Indonesia: Insight from Depok and South Tangerang city. *IOP Conference Series: Earth and Environmental Science*, 1291(1), 012001. <https://doi.org/10.1088/1755-1315/1291/1/012001>
- Kebede, T. A., Hailu, B. T., & Suryabhadgavan, K. V. (2022). Evaluation of spectral built-up indices for impervious surface extraction using Sentinel-2A MSI imageries: A case of Addis Ababa city, Ethiopia. *Environmental Challenges*, 8, 100568. <https://doi.org/10.1016/j.envc.2022.100568>
- Liu, Z., Chen, Y., & Chen, C. (2023). Analysis of the Spatiotemporal Characteristics and Influencing Factors of the NDVI Based on the GEE Cloud Platform and Landsat Images. *Remote Sensing*, 15(20), 4980. <https://doi.org/10.3390/rs15204980>
- NOAA. (2024). *Historical El Nino / La Nina episodes (1950-present)*. https://origin.cpc.ncep.noaa.gov/products/analysis_monitoring/ensostuff/ONI_v5.php
- Nugroho, G., Rarasati, A., & Kushardono, D. (2019). *PENYEDIAAN INFORMASI GEOSPASIAL BERBASIS CLOUD COMPUTING DATA PENGINDERAAN JAUH*. 12.
- ROTH, M., OKE, T. R., & EMERY, W. J. (1989). Satellite-derived urban heat islands from three coastal cities and the utilization of such data in urban

climatology. *International Journal of Remote Sensing*, 10(11), 1699–1720.

<https://doi.org/10.1080/01431168908904002>

Said Ahmad, M. R. S. A., Massuanna, W., Cahyadi, S. A., & Rahmi, S. (2022).

Dampak Perkembangan Urbanisasi Terhadap Tingkat Pertumbuhan Penduduk Di Perkotaan. *Syntax Idea, Vol 4 No 6 (2022): Syntax Idea*, 1026–1034.

Wang, J., Zhou, W., Pickett, S. T. A., Yu, W., & Li, W. (2019). A multiscale

analysis of urbanization effects on ecosystem services supply in an urban megaregion. *Science of The Total Environment*, 662, 824–833.

<https://doi.org/10.1016/j.scitotenv.2019.01.260>

Zhou, L., Wang, R., Cui, C., & Xie, C. (2012). GIS Application Model Based on

Cloud Computing. In J. Lei, F. L. Wang, M. Li, & Y. Luo (Eds.), *Network Computing and Information Security* (pp. 130–136). Springer Berlin Heidelberg.

DAFTAR SINGKATAN

LST	: Land Surface Temperature
GIS	: Geographic Information System
API	: Application Programming Interface
UHI	: Urban Heat Island
EVI	: Enhanced Vegetation Index
EBBI	: Enhanced Built-Up and Bareness Index
MNDWI	: Modified Normalized Difference Water Index
IBM	: International Business Machines
ESRI	: Environmental Systems Research Institute
SPSS	: Statistical Package for the Social Science
KITB	: Kawasan Industri Terpadu Batang
NOAA	: National Oceanic and Atmospheric Administration