DAFTAR PUSTAKA

Adinna, E., Christian, E. I., & Okolie, A. T. (2009). Assessment of urban heat island and possible adaptations in Enugu urban using landsat-ETM. *Journal of Geography and Regional Planning*, *2*(2), 30–036. http://www.academicjournals.org/JGRP

Akbar, T. A., Hassan, Q. K., Ishaq, S., Batool, M., Butt, H. J., & Jabbar, H. (2019). Investigative spatial distribution and modelling of existing and future urban land changes and its impact on urbanization and economy. *Remote Sensing*, *11*(2), 105.

Akbari, H., Pomerantz, M., & Taha, H. (2001). *Cool surfaces and shade trees to reduce energy use and improve air quality in urban areas* (Vol. 70, Issue 3). https://doi.org/10.1016/S0038-092X(00)00089-X

Almeida, C. R. de, Furst, L., Gonçalves, A., & Teodoro, A. C. (2022). Remote Sensing Image-Based Analysis of the Urban Heat Island Effect in Bragança, Portugal. *Environments - MDPI*, *9*(8). https://doi.org/10.3390/environments9080098

Al-Saadi, L. M., Jaber, S. H., & Al-Jiboori, M. H. (2020). Variation of urban vegetation cover and its impact on minimum and maximum heat islands. *Urban Climate*, *34*. https://doi.org/10.1016/j.uclim.2020.100707

Anselin, L. (1994). Exploratory spatial data analysis and geographic information systems. *New Tools for Spatial Analysis*, *17*, 45–54.

Asmiwyati, I. G. A. A. R., Sugianthara, A. A. G., & Wardi, I. N. W. (2020). Identifikasi suhu permukaan terhadap penutupan lahan dari Landsat 8: studi kasus Kota Denpasar. *Jurnal Arsitektur Lansekap*, *6*(2), 240–246. https://doi.org/10.24843/JAL.2020.v06.i02.p11

As-Syakur, A. R., Nuarsa, I. W., Arthana, I. W., Mahendra, M. S., Adnyana, I. W. S., Merit, I. N., Suyarto, R., & Lila, K. A. (2012). Remote Sensing Image-Based Analysis of The Urban Heat Island in Denpasar, Indonesia. *International Symposium on Lowland Technology*, 997–1004.

As-syakur, Abd. R. (2011). Perubahan Penggunaan Lahan di Provinsi Bali. *ECOTROPHIC*, *6*(1), 1–7.

Badan Pusat Statistik Provinsi Bali. (2021). *Jumlah Penduduk menurut kecamatan di Provinsi Bali Hasil Sensus Penduduk 2020*. Https://Bali.Bps.Go.Id/Statictable/2021/07/13/180/Jumlah-Penduduk-Menurut- Kecamatan-Di-Provinsi-Bali-Hasil-Sensus-Penduduk-2020.Html.

Benali, A., Carvalho, A. C., Nunes, J. P., Carvalhais, N., & Santos, A. (2012). Estimating air surface temperature in Portugal using MODIS LST data. *Remote Sensing of Environment*, *124*, 108–121. https://doi.org/10.1016/j.rse.2012.04.024

Carlson, T. N., & Ripley, D. A. (1997). On the relation between NDVI, fractional vegetation cover, and leaf area index. *Remote Sensing of Environment*, *62*(3), 241–252. https://doi.org/10.1016/S0034-4257(97)00104-1

Das, M., Das, A., & Momin, S. (2022). Quantifying the cooling effect of urban green space: A case from urban parks in a tropical mega metropolitan area (India). *Sustainable Cities and Society*, *87*. https://doi.org/10.1016/j.scs.2022.104062

Dewiyanti, D. (2009). Ruang Terbuka Hijau Kota Bandung. *Majalah Ilmiah UNIKOM*, *7*(1), 13–26.

Earth Observatory NASA. (2011). *Land Surface Tmperature*. Https://Earthobservatory.Nasa.Gov/Global-Maps/MOD_LSTD_M.

ESA. (2015). *Land Surface Temperature*. Https://Sentinels.Copernicus.Eu/Web/Sentinel/User-Guides/Sentinel-3-Slstr/Overview/Geophysical-Measurements/Land-Surface-Temperature.

ESRI. (2021). *World Imagery Map*. Https://Www.Arcgis.Com/Home/Item.Html?Id=10df2279f9684e4a9f6a7f08febac2 A9.

Esri. (2022). *Spatial Autocorrelation tool graphical output*.

Fawzi, N. I. (2014). Pemetaan emisivitas permukaan menggunakan indeks vegetasi. *Majalah Ilmiah Globe*, *16*(2), 133–139.

Fawzi, N. I. (2017). Mengukur urban heat island menggunakan penginderaan jauh, kasus di Kota Yogyakarta. *MAJALAH ILMIAH GLOBE*, *19*(2), 195. https://doi.org/10.24895/mig.2017.19-2.603

Fawzi, N. I., & Naharil, N. (2013). Kajian Urban Heat Island di Kota Yogyakarta-Hubungan antara Tutupan Lahan dan Suhu Permukaan. *Somposium Nasional Sains Geoinformasi*, 275–280. https://www.researchgate.net/publication/332317857

Gittleman, J. L., & Kot, M. (1990). Adaptation: statistics and a null model for estimating phylogenetic effects. *Systematic Zoology*, *39*(3), 227–241. https://doi.org/10.2307/2992183

Griffith, D. (2005). Spatial Autocorrelation. *Department of Geography. Syracuse University*.

Grimm, N. B., Foster, D., Groffman, P., Grove, J. M., Hopkinson, C. S., Nadelhoffer, K. J., Pataki, D. E., & Peters, D. P. C. (2008). The changing landscape: Ecosystem responses to urbanization and pollution across climatic and societal gradients. In *Frontiers in Ecology and the Environment* (Vol. 6, Issue 5, pp. 264–272). https://doi.org/10.1890/070147

Hafni, W., Pujiastuti, D., & Harjupa, W. (2015). Analisis variabilitas temperatur udara di daerah Kototabang periode 2003–2012. *Jurnal Fisika Unand*, *4*(2).

Handayani, N. M., Sasmito, B., & Putra, A. (2017). Analisis Hubungan Antara Perubahan Suhu Dengan Indeks Kawasan Terbangun Menggunakan Citra

Landsat (Studi Kasus : Kota Surakarta). *Jurnal Geodesi Undip Oktober*, *6*(4), 208.

Iswoyo, H., Dariati, T., & Junardi, D. (2020). An assessment on land typology and achievement of government target for green space area development according to spatial plan 2005-2015 of Makassar city. *IOP Conference Series: Earth and Environmental Science*, *575*(1). https://doi.org/10.1088/1755-1315/575/1/012152

Jaya, I. N. S., & Etyarsah, S. (2021). *Analisis Citra Digital Perspektif Penginderaan Jauh untuk Pengelolaan Sumber Daya Alam* (Vol. 1). PT Penerbit IPB Press.

Joga, N., & Ismaun, I. (2013). *RTH 30% Resolisi Kota Hijau*. Gramedia Pustaka Utama.

Johnson, J. M.-F., Franzluebbers, A. J., Weyers, S. L., & Reicosky, D. C. (2007). Agricultural opportunities to mitigate greenhouse gas emissions. *Environmental Pollution*, *150*(1), 107–124. https://doi.org/10.1016/j.envpol.2007.06.030

Karl, T. R., Diaz, H. F., & Kukla, G. (1988). Urbanization: Its Detection and Effect in the United States Climate Record. *Journal of Climate*, *1*, 1099–1123.

Kerr, Y. H., Lagouarde, J. P., Nerry, F., & Ottlé, C. (2004). Land surface temperature retrieval techniques and applications: Case of the AVHRR. In *Thermal remote sensing in land surface processes* (pp. 33–109). CRC Press.

Kurnianti, R., Hadi Rahmi, D., Perencanaan Wilayah dan Kota, M., & Gadjah Mada, U. (2020). Ketersediaan ruang terbuka hijau dan urban heat island di Kota Makassar. *Jurnal Litbang Sukowati*, *3*(2), 150–163. http://journal.sragenkab.go.id,

Kusumaningrum, K. W., Saraswati, R., & Wibowo, A. (2022). Green Open Space Development Based on Urban Heat Island Phenomenon in Malang City. *IOP Conference Series: Earth and Environmental Science*, *950*(1). https://doi.org/10.1088/1755-1315/950/1/012066

Lakitan, B. (2002). Dasar-dasar klimatologi. *PT. Raja Grafindo Persada. Jakarta*.

Landsat Science. (2013). *Landsat 8 (Landsat science)*. Https://Landsat.Gsfc.Nasa.Gov/Satellites/Landsat-8/.

Landsberg, H. E. (1981). *The urban climate*. Academic press.

Lee, J., & Wong, D. W. S. (2001). *Statistical analysis with ArcView GIS*. John Wiley & Sons.

Lembo, A. J. (2006). Spatial autocorrelation. *Cornell University*.

Li, J., Song, C., Cao, L., Zhu, F., Meng, X., & Wu, J. (2011). Impacts of landscape structure on surface urban heat islands: A case study of Shanghai, China. *Remote Sensing of Environment*, *115*(12), 3249–3263. https://doi.org/10.1016/j.rse.2011.07.008

Li, L.-G., Wang, H.-B., Zhao, Z.-Q., Cal, F., Zhao, X.-L., & Xu, S.-L. (2014). Characteristics of urban heat island (UHI) source and sink areas in urban

region of Shenyang. *2014 Third International Workshop on Earth Observation and Remote Sensing Applications (EORSA)*, 62–66.

Lillesand, T., Kiefer, R. W., & Chipman, J. (2015). *Remote sensing and image interpretation*. John Wiley & Sons.

Listyawati, R. N., & Prasetiyo, P. (2021). Analysis of Urban Heat Island Phenomenon as A Global Warming Control Based on Remote Sensing in Jember Urban, Indonesia. *IOP Conference Series: Earth and Environmental Science*, *887*(1). https://doi.org/10.1088/1755-1315/887/1/012002

Lo, C., & Quattrochi, D. A. (2003). *Land-Use and Land-Cover Change, Urban Heat Island Phenomenon, and Health Implications: A Remote Sensing Approach*. https://doi.org/10.14358/PERS.69.9.1053

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

Martin, P., Baudouin, Y., & Gachon, P. (2015). An alternative method to characterize the surface urban heat island. *International Journal of Biometeorology*, *59*(7), 849–861. https://doi.org/10.1007/s00484-014-0902-9

Meijide, A., García-Torres, L., Arce, A., & Vallejo, A. (2009). Nitrogen oxide emissions affected by organic fertilization in a non-irrigated Mediterranean barley field. *Agriculture, Ecosystems & Environment*, *132*(1–2), 106–115.

Memon, R. A., Leung, D. Y., & Chunho, L. (2008). A review on the generation, determination and mitigation of Urban Heat Island. In *Journal of Environmental Sciences* (Vol. 20). https://doi.org/10.1016/S1001-0742(08)60019-4

Moran, M. S., Scott, R. L., Keefer, T. O., Emmerich, W. E., Hernandez, M., Nearing, G. S., Paige, G. B., Cosh, M. H., & O'Neill, P. E. (2009). Partitioning evapotranspiration in semiarid grassland and shrubland ecosystems using time series of soil surface temperature. *Agricultural and Forest Meteorology*, *149*(1), 59–72.

Mutiibwa, D., Strachan, S., & Albright, T. (2015). Land Surface Temperature and Surface Air Temperature in Complex Terrain. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, *8*(10), 4762–4774. https://doi.org/10.1109/JSTARS.2015.2468594

Nguyen, T. T., Eslick, H., Barber, P., Harper, R., & Dell, B. (2022). Cooling Effects of Urban Vegetation: The Role of Golf Courses. *Remote Sensing*, *14*(17). https://doi.org/10.3390/rs14174351

UU No.26 Tahun 2007 Tentang Penataan Ruang, (2007).

Peraturan Daerah Kota Denpasar No. 8. (2021). *Rencana Tata Ruang Wilayah Kota Denpasar Tahun 2021-2024*.

Peraturan Menteri Pekerjaan Umum. (2008). *Tentang Pedoman Penyediaan dan Pemanfaatan Ruang Terbuka Hijau di Kawasan Perkotaan*.

Putrajaya, I., & Mas Martayana, I. P. (2021, January 7). *Analysis of Vegetation Density Using Landsat 8 Imagery for Mapping Characteristics of Green Open Space in Denpasar City*. https://doi.org/10.4108/eai.10-11-2020.2303425

Quattrochi, D. A., Luvall, J. C., Rlckman, D. L., Estes, M. G., Laymon, C. A., & Howell, B. F. (2000). A Decision Support Information System for Urban Landscape Management Using Thermal Infrared Data. *Photogrammetric Engineering & Remote Sensing*, *66*(10), 1195–1207. https://www.researchgate.net/publication/280014760

Riana, I. N., Widiastuti, & Primayatna, I. B. G. (2014). Kajian Alih Fungsi Ruang Terbuka Hijau di Kota Denpasar. *SPACE*, *1*(1), 85–98.

Ronald C. Estoque, Yuji Murayama, & Soe W. Myint. (2017). Effects of landscape composition and pattern on land surface temperature: An urban heat island study in the megacities of Southeast Asia. *Science of the Total Environment*, 349–359. https://doi.org/10.1016/j.scitotenv.2016.10.195

Rouse, J. W. Jr., Haas, R. H., & Schell, J. A. (1977). Monitoring vegetation systems in the Great Plains with ERTS. *NASA*. https://doi.org/10.1109/TGE.1973.294284

Saleh, A. M. (2017). Amal Muhammad Saleh. Land Surface Temperature Retrieval of Landsat-8 Data Using Split Window Algorithm-A Case Study of Mosul District. *Journal of American Science*, *13*(12), 62–75. https://doi.org/10.7537/marsjas131217.08

Saputro, D. R. S., Widyaningsih, P., Kurdi, N. A., & Susanti, A. (2018). *Proporsionalitas Autokorelasi Spasial dengan Indeks Global (Indeks Moran) dan Indeks Lokal (Local Indicator of Spatial Association (LISA))*.

Saputro, D. R. S., Widyaningsih, Y., Widyaningsih, P., Sutanto, & Widiastuti. (2021). Spatio-temporal patterns of dengue hemorrhagic fever (DHF) cases with local indicator of spatial association (LISA) and cluster map at areas risk in Java-Bali Indonesia. *AIP Conference Proceedings*, *2326*. https://doi.org/10.1063/5.0040334

Sass, R. L., & Cicerone, R. J. (2002). Photosynthate allocations in rice plants: Food production or atmospheric methane? *Proceedings of the National Academy of Sciences*, *99*(19), 11993–11995. https://doi.org/10.1073/pnas.20248359

Senanayake, I. P., Welivitiya, W. D. D. P., & Nadeeka, P. M. (2013). Remote sensing based analysis of urban heat islands with vegetation cover in Colombo city, Sri Lanka using Landsat-7 ETM+ data. *Urban Climate*, *5*, 19–35. https://doi.org/10.1016/j.uclim.2013.07.004

Setiawan, H., Mathieu, R., & Thompson-Fawcett, M. (2006). Assessing the applicability of the V-I-S model to map urban land use in the developing world: Case study of Yogyakarta, Indonesia. *Computers, Environment and*

Urban Systems, *30*(4), 503–522. https://doi.org/10.1016/j.compenvurbsys.2005.04.003

Sobirin, & Fatimah, R. N. (2015). Urban Heat Island Kota Surabaya. *Geoedukasi*, *4*(2), 46–69.

Stathopoulou, M., & Cartalis, C. (2007). Daytime urban heat islands from Landsat ETM+ and Corine land cover data: An application to major cities in Greece. *Solar Energy*, *81*(3), 358–368. https://doi.org/10.1016/j.solener.2006.06.014

Stewart, I. D., & Oke, T. R. (2012). Local climate zones for urban temperature studies. *Bulletin of the American Meteorological Society*, *93*(12), 1879–1900. https://doi.org/10.1175/BAMS-D-11-00019.1

Sun, D., & Pinker, R. T. (2004). Case study of soil moisture effect on land surface temperature retrieval. *IEEE Geoscience and Remote Sensing Letters*, *1*(2), 127–130.

United States Environmental Protection Agency. (2008). *Urban Heat Island basics. In Reducing Urban Heat Islands: Compendium of Strategies; Chapter 1; Draft Report.*

USGS. (2013). *Using the USGS Landsat Level-1 Data Product*.

Utomo, A. W., Suprayogi, A., & Sasmito, B. (2017). Análisis hubungan variasi land surface temperature dengan kelas tutupan lahan menggunakan data citra satelit landsat (Studi Kasus: Kabupaten Pati). *Jurnal Geodesi Undip*, *6*(2), 71–80.

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/10.1016/j.rse.2003.11.005

Whalen, S. C. (2005). Biogeochemistry of methane exchange between natural wetlands and the atmosphere. *Environmental Engineering Science*, *22*(1), 73–94.

Yamamoto, Y. (2006). Measures to Mitigate Urban Heat Islands. *NISTEP Science & Technology Foresight Center*, *18*, 67–83.

Zha, Y., Gao, J., & Ni, S. (2003). Use of normalized difference built-up index in automatically mapping urban areas from TM imagery. *International Journal of Remote Sensing*, *24*(3), 583–594. https://doi.org/10.1080/01431160304987

Zhang, X. X., Wu, P. F., & Chen, B. (2010). Relationship between vegetation greenness and urban heat island effect in Beijing City of China. *Procedia Environmental Sciences*, *2*, 1438–1450. https://doi.org/10.1016/j.proenv.2010.10.157