

DAFTAR PUSTAKA

- [1] D. Knorr, C. S. H. Khoo, dan M. A. Augustin, “Food for an Urban Planet: Challenges and Research Opportunities,” *Front. Nutr.*, vol. 4, hlm. 73, Jan 2018, doi: 10.3389/fnut.2017.00073.
- [2] A. I. Moreno-Monroy, M. Schiavina, dan P. Veneri, “Metropolitan areas in the world. Delineation and population trends,” *J. Urban Econ.*, vol. 125, hlm. 103242, Sep 2021, doi: 10.1016/j.jue.2020.103242.
- [3] T. R. Oke, G. Mills, A. Christen, dan J. A. Voogt, *Urban Climates*, 1 ed. Cambridge University Press, 2017. doi: 10.1017/9781139016476.
- [4] C. He, Z. Liu, S. Gou, Q. Zhang, J. Zhang, dan L. Xu, “Detecting global urban expansion over the last three decades using a fully convolutional network,” *Environ. Res. Lett.*, vol. 14, no. 3, hlm. 034008, Mar 2019, doi: 10.1088/1748-9326/aaf936.
- [5] K. Huang, X. Li, X. Liu, dan K. C. Seto, “Projecting global urban land expansion and heat island intensification through 2050,” *Environ. Res. Lett.*, vol. 14, no. 11, hlm. 114037, Nov 2019, doi: 10.1088/1748-9326/ab4b71.
- [6] S. Olivia, G. Boe-Gibson, G. Stitchbury, L. Brabyn, dan J. Gibson, “Urban land expansion in Indonesia 1992–2012: evidence from satellite-detected luminosity*,” *Aust. J. Agric. Resour. Econ.*, vol. 62, no. 3, hlm. 438–456, Apr 2018, doi: 10.1111/1467-8489.12258.
- [7] Ridayati, “Pengaruh Jumlah Penduduk terhadap Penggunaan Lahan Ruang Terbuka Hijau Publik Kota Yogyakarta Menggunakan Regresi Linear,” *KURVATEK*, vol. 2, no. 1, hlm. 7–13, Apr 2017.
- [8] M. E. E. Hassan dan A. J. Pitoyo, “Urbanization and Economic Development in Indonesia: Demographic Perspectives Analysis,” *Populasi*, vol. 25, no. 2, hlm. 54, Jun 2018, doi: 10.22146/jp.36205.
- [9] B. Rozano dan W. Yan, “Monitoring the transformation of Yogyakarta’s urban form using remote sensing and Geographic Information System,” *IOP Conf. Ser. Earth Environ. Sci.*, vol. 148, hlm. 012010, Apr 2018, doi: 10.1088/1755-1315/148/1/012010.
- [10] R. B. Aditya dan M. U. L. Ningam, “Assessing City Greenness using Tree Canopy Cover: The Case of Yogyakarta, Indonesia,” *Geogr. Environ. Sustain.*, vol. 14, no. 1, hlm. 71–80, Apr 2021, doi: 10.24057/2071-9388-2020-196.
- [11] R. Agus Pratiwi, “Analisis Perubahan Penggunaan Lahan Dan Penutup Lahan Di Daerah Istimewa Yogyakarta Dari Tahun 2002 Hingga 2015,” Skripsi, Universitas Gadjah Mada, Teknik Geodesi, 2016.



- [12] *Undang-Undang Republik Indonesia No. 26 Tahun 2007, Tentang Penataan Ruang*, vol. 26. 2007.
- [13] S. M. Papalexiou, A. AghaKouchak, K. E. Trenberth, dan E. Foufoula-Georgiou, “Global, Regional, and Megacity Trends in the Highest Temperature of the Year: Diagnostics and Evidence for Accelerating Trends,” *Earths Future*, vol. 6, no. 1, hlm. 71–79, Jan 2018, doi: 10.1002/2017EF000709.
- [14] A. N. Khasanah dan D. Setyo Aji, “Distribution of diurnal land surface temperature in Yogyakarta urban area,” dalam *Sixth Geoinformation Science Symposium*, S. B. Wibowo, A. B. Rimba, A. A. Aziz, S. Phinn, J. T. Sri Sumantyo, H. Widyasamratri, dan S. Arjasakusuma, Ed., Yogyakarta, Indonesia: SPIE, Nov 2019, hlm. 34. doi: 10.1117/12.2548980.
- [15] V. N. Husna, N. I. Fawzi, dan I. A. Nur, “Measuring And Mitigating Urban Heat Island In Yogyakarta City Using Remote Sensing,” vol. 7, no. 7, 2018.
- [16] S. Tong, J. Prior, G. McGregor, X. Shi, dan P. Kinney, “Urban heat: an increasing threat to global health,” *BMJ*, hlm. n2467, Okt 2021, doi: 10.1136/bmj.n2467.
- [17] A. Hsu, G. Sheriff, T. Chakraborty, dan D. Manya, “Disproportionate exposure to urban heat island intensity across major US cities,” *Nat. Commun.*, vol. 12, no. 1, hlm. 2721, Mei 2021, doi: 10.1038/s41467-021-22799-5.
- [18] H. Huang *dkk.*, “Influencing Mechanisms of Urban Heat Island on Respiratory Diseases,” *Iran. J. Public Health*, Jun 2020, doi: 10.18502/ijph.v48i9.3023.
- [19] M. Ghribi dan S. Dahech, “The Impact of the Urban Heat Island on the Sensation of Thermal Comfort and Electricity Consumption in Sfax in Central-Eastern Tunisia during the Hot Season,” *Energies*, vol. 16, no. 2, hlm. 911, Jan 2023, doi: 10.3390/en16020911.
- [20] C. H. D. Souza, “Quantitative Analysis of the Impact of Urban Heat Island Intensity on Air Conditioning Energy Consumption in São Paulo,” *J. Prog. Eng. Phys. Sci.*, vol. 3, no. 4, hlm. 53–55, Des 2024, doi: 10.56397/JPEPS.2024.12.08.
- [21] M. Kanda, T. Kawai, M. Kanega, R. Moriwaki, K. Narita, dan A. Hagishima, “A Simple Energy Balance Model for Regular Building Arrays,” *Bound.-Layer Meteorol.*, vol. 116, no. 3, hlm. 423–443, Sep 2005, doi: 10.1007/s10546-004-7956-x.
- [22] H. C. Ward, S. Kotthaus, L. Järvi, dan C. S. B. Grimmond, “Surface Urban Energy and Water Balance Scheme (SUEWS): Development and evaluation at two UK sites,” *Urban Clim.*, vol. 18, hlm. 1–32, Des 2016, doi: 10.1016/j.uclim.2016.05.001.



- [23] M. K. Ridwan, T. Kawai, M. Kanda, dan R. Moriwaki, "EVALUATION OF SIMPLE URBAN ENERGY BALANCE FOR MESO-SCALE SIMULATION (SUMM) TO REAL URBAN FIELDS," *Proc. Hydraul. Eng.*, vol. 51, hlm. 259–264, 2007, doi: 10.2208/prohe.51.259.
- [24] J. Hang, L. Zeng, X. Li, dan D. Wang, "Evaluation of a single-layer urban energy balance model using measured energy fluxes by scaled outdoor experiments in humid subtropical climate," *Build. Environ.*, vol. 254, hlm. 111364, Apr 2024, doi: 10.1016/j.buildenv.2024.111364.
- [25] M. Gupta, R. Murtugudde, dan S. Ghosh, "Simulating urban surface energy balance of an academic campus and surroundings in Mumbai, India," *Urban Clim.*, vol. 56, hlm. 102044, Jul 2024, doi: 10.1016/j.uclim.2024.102044.
- [26] T. Vesala *dkk.*, "Surface–atmosphere interactions over complex urban terrain in Helsinki, Finland," *Tellus B Chem. Phys. Meteorol.*, vol. 60, no. 2, hlm. 188, Jan 2008, doi: 10.1111/j.1600-0889.2007.00312.x.
- [27] A. Goldbach dan W. Kuttler, "Quantification of turbulent heat fluxes for adaptation strategies within urban planning," *Int. J. Climatol.*, vol. 33, no. 1, hlm. 143–159, Jan 2013, doi: 10.1002/joc.3437.
- [28] J. Hang, Y. Shi, dan L. Zeng, "Seasonal and diurnal urban energy balance and carbon exchanges over a residential neighborhood in a humid subtropical city," *Urban Clim.*, vol. 53, hlm. 101774, Jan 2024, doi: 10.1016/j.uclim.2023.101774.
- [29] L. Wang *dkk.*, "Contrasting characteristics of the surface energy balance between the urban and rural areas of Beijing," *Adv. Atmospheric Sci.*, vol. 32, no. 4, hlm. 505–514, Apr 2015, doi: 10.1007/s00376-014-3222-4.
- [30] S. Miao, J. Dou, F. Chen, J. Li, dan A. Li, "Analysis of observations on the urban surface energy balance in Beijing," *Sci. China Earth Sci.*, vol. 55, no. 11, hlm. 1881–1890, Nov 2012, doi: 10.1007/s11430-012-4411-6.
- [31] A. M. Coutts, J. Beringer, dan N. J. Tapper, "Impact of Increasing Urban Density on Local Climate: Spatial and Temporal Variations in the Surface Energy Balance in Melbourne, Australia," *J. Appl. Meteorol. Climatol.*, vol. 46, no. 4, hlm. 477–493, Apr 2007, doi: 10.1175/JAM2462.1.
- [32] A. A. Balogun, J. O. Adegoke, S. Vezhapparambu, M. Mauder, J. P. McFadden, dan K. Gallo, "Surface Energy Balance Measurements Above an Exurban Residential Neighbourhood of Kansas City, Missouri," *Bound.-Layer Meteorol.*, vol. 133, no. 3, hlm. 299–321, Des 2009, doi: 10.1007/s10546-009-9421-3.



- [33] M. E. Fernández, N. Picone, J. O. Gentili, dan A. M. Campo, “Analysis of the Urban Energy Balance in Bahía Blanca (Argentina),” *Urban Clim.*, vol. 37, hlm. 100856, Mei 2021, doi: 10.1016/j.uclim.2021.100856.
- [34] Y. Dong, A. C. G. Varquez, dan M. Kanda, “Global anthropogenic heat flux database with high spatial resolution,” *Atmos. Environ.*, vol. 150, hlm. 276–294, Feb 2017, doi: 10.1016/j.atmosenv.2016.11.040.
- [35] T. R. Oke, *Boundary layer climates*, Second edition. London: Methuen & Co, 1987. doi: 10.4324/9780203407219.
- [36] Andreas Christen, “Atmospheric turbulence and surface energy exchange in urban environments : results from the Basel Urban Boundary Layer Experiment (BUBBLE),” Doctoral thesis, University of Basel, 2005. [Daring]. Tersedia pada: <https://edoc.unibas.ch/entities/publication/10086fa2-a029-4f4a-ac0b-372c122c7831>
- [37] N. V. Dudorova dan B. D. Belan, “The Energy Model of Urban Heat Island,” *Atmosphere*, vol. 13, no. 3, hlm. 457, Mar 2022, doi: 10.3390/atmos13030457.
- [38] T. Wang, G. Yan, dan L. Chen, “Consistent retrieval methods to estimate land surface shortwave and longwave radiative flux components under clear-sky conditions,” *Remote Sens. Environ.*, vol. 124, hlm. 61–71, Sep 2012, doi: 10.1016/j.rse.2012.04.026.
- [39] G. B. Bonan, *Ecological climatology: concepts and applications*, Third edition. New York, NY, USA: Cambridge University Press, 2016.
- [40] O. E. Obisesan, O. A. Babatunde, O. R. Omokungbe, dan A. P. Olufemi, “Eddy Covariance Measurements of Turbulent Heat Fluxes over a Grass-covered Surface in a Tropical Location,” *Int. J. Environ. Clim. Change*, vol. 13, no. 8, hlm. 604–616, Jun 2023, doi: 10.9734/ijecc/2023/v13i81989.
- [41] P. Ramamurthy *dkk.*, “Influence of Subfacet Heterogeneity and Material Properties on the Urban Surface Energy Budget,” *J. Appl. Meteorol. Climatol.*, vol. 53, no. 9, hlm. 2114–2129, Sep 2014, doi: 10.1175/JAMC-D-13-0286.1.
- [42] H. Sahu *dkk.*, “Estimating latent heat flux of subtropical forests using machine learning algorithms,” *Meteorol. Appl.*, vol. 32, no. 1, hlm. e70023, Jan 2025, doi: 10.1002/met.70023.
- [43] P. Maskulrath *dkk.*, “Urban Green Space in a Tropical Area—Quantification of Surface Energy Balance and Carbon Dioxide Flux Dynamics,” *Urban Sci.*, vol. 9, no. 5, hlm. 153, Mei 2025, doi: 10.3390/urbansci9050153.
- [44] F. Lindberg, K. F. G. Olofson, T. Sun, C. S. B. Grimmond, dan C. Feigenwinter, “Urban storage heat flux variability explored using satellite,



meteorological and geodata,” *Theor. Appl. Climatol.*, vol. 141, no. 1–2, hlm. 271–284, Jul 2020, doi: 10.1007/s00704-020-03189-1.

[45] N. Gaitani, I. Burud, T. Thiis, dan M. Santamouris, “High-resolution spectral mapping of urban thermal properties with Unmanned Aerial Vehicles,” *Build. Environ.*, vol. 121, hlm. 215–224, Agu 2017, doi: 10.1016/j.buildenv.2017.05.027.

[46] F. Cheruy, J. L. Dufresne, S. Aït Mesbah, J. Y. Grandpeix, dan F. Wang, “Role of Soil Thermal Inertia in Surface Temperature and Soil Moisture-Temperature Feedback,” *J. Adv. Model. Earth Syst.*, vol. 9, no. 8, hlm. 2906–2919, Des 2017, doi: 10.1002/2017MS001036.

[47] S. M. Roberts, T. R. Oke, C. S. B. Grimmond, dan J. A. Voogt, “Comparison of Four Methods to Estimate Urban Heat Storage,” *J. Appl. Meteorol. Climatol.*, vol. 45, no. 12, hlm. 1766–1781, Des 2006, doi: 10.1175/JAM2432.1.

[48] C. S. B. Grimmond dan T. R. Oke, “Heat Storage in Urban Areas: Local-Scale Observations and Evaluation of a Simple Model,” *J. Appl. Meteorol.*, vol. 38, no. 7, hlm. 922–940, Jul 1999, doi: 10.1175/1520-0450(1999)038%3C0922:HSIUAL%3E2.0.CO;2.

[49] E. Parlow, “Regarding Some Pitfalls in Urban Heat Island Studies Using Remote Sensing Technology,” *Remote Sens.*, vol. 13, no. 18, hlm. 3598, Sep 2021, doi: 10.3390/rs13183598.

[50] Y. Kim, H. Yeo, dan Y. Kim, “Estimating urban spatial temperatures considering anthropogenic heat release factors focusing on the mobility characteristics,” *Sustain. Cities Soc.*, vol. 85, hlm. 104073, Okt 2022, doi: 10.1016/j.scs.2022.104073.

[51] F. Salamanca, M. Georgescu, A. Mahalov, M. Moustou, dan M. Wang, “Anthropogenic heating of the urban environment due to air conditioning,” *J. Geophys. Res. Atmospheres*, vol. 119, no. 10, hlm. 5949–5965, Mei 2014, doi: 10.1002/2013JD021225.

[52] I. Capel-Timms, S. T. Smith, T. Sun, dan S. Grimmond, *Dynamic Anthropogenic activities impacting Heat emissions (DASH v1.0): Development and evaluation*. (8 Juli 2020). Zenodo. doi: 10.5281/ZENODO.3745523.

[53] M. Deng dkk., “Observed surface heat fluxes partitioning during the local growing season over the Tibetan Plateau,” *Agric. For. Meteorol.*, vol. 356, hlm. 110186, Sep 2024, doi: 10.1016/j.agrformet.2024.110186.

[54] W. W. Grabowski, “Daytime convective development over land: The role of surface forcing,” *Q. J. R. Meteorol. Soc.*, vol. 149, no. 756, hlm. 2800–2819, Okt 2023, doi: 10.1002/qj.4532.



[55] W. Kuang *dkk.*, “Quantifying the heat flux regulation of metropolitan land use/land cover components by coupling remote sensing modeling with in situ measurement,” *J. Geophys. Res. Atmospheres*, vol. 120, no. 1, hlm. 113–130, Jan 2015, doi: 10.1002/2014JD022249.

[56] M. H. H. Abdelhafez, F. Altaf, M. Alshenaifi, O. Hamdy, dan A. Ragab, “Achieving Effective Thermal Performance of Street Canyons in Various Climatic Zones,” *Sustainability*, vol. 14, no. 17, hlm. 10780, Agu 2022, doi: 10.3390/su141710780.

[57] N. Mohajeri *dkk.*, “A solar-based sustainable urban design: The effects of city-scale street-canyon geometry on solar access in Geneva, Switzerland,” *Appl. Energy*, vol. 240, hlm. 173–190, Apr 2019, doi: 10.1016/j.apenergy.2019.02.014.

[58] D. G. Ferreira, C. B. Diniz, dan E. S. D. Assis, “Methods to calculate urban surface parameters and their relation to the LCZ classification,” *Urban Clim.*, vol. 36, hlm. 100788, Mar 2021, doi: 10.1016/j.uclim.2021.100788.

[59] F. Xu dan Z. Gao, “Frontal area index: A review of calculation methods and application in the urban environment,” *Build. Environ.*, vol. 224, hlm. 109588, Okt 2022, doi: 10.1016/j.buildenv.2022.109588.

[60] M. Demuzere *dkk.*, “Impact of urban canopy models and external parameters on the modelled urban energy balance in a tropical city,” *Q. J. R. Meteorol. Soc.*, vol. 143, no. 704, hlm. 1581–1596, Apr 2017, doi: 10.1002/qj.3028.

[61] “The ERA5 global reanalysis - Hersbach - 2020 - Quarterly Journal of the Royal Meteorological Society - Wiley Online Library.” Diakses: 1 Juli 2025. [Daring]. Tersedia pada: <https://rmets.onlinelibrary.wiley.com/doi/10.1002/qj.3803>

[62] “The Modern-Era Retrospective Analysis for Research and Applications, Version 2 (MERRA-2) in: Journal of Climate Volume 30 Issue 14 (2017).” Diakses: 1 Juli 2025. [Daring]. Tersedia pada: <https://journals.ametsoc.org/view/journals/clim/30/14/jcli-d-16-0758.1.xml>

[63] “ESSD - ERA5-Land: a state-of-the-art global reanalysis dataset for land applications.” Diakses: 1 Juli 2025. [Daring]. Tersedia pada: <https://essd.copernicus.org/articles/13/4349/2021/>

[64] Food and Agriculture Organization of the United Nations, “Global Administrative Unit Layers (GAUL) dataset.” 2015. Diakses: 1 Mei 2025. [Daring]. Tersedia pada: https://developers.google.com/earth-engine/datasets/catalog/FAO_GAUL_2015_level1

[65] Food and Agriculture Organization of the United Nations, “Global Administrative Unit Layers (GAUL) dataset.” 2015. Diakses: 1 Mei 2025. [Daring].



Tersedia pada: https://developers.google.com/earth-engine/datasets/catalog/FAO_GAUL_SIMPLIFIED_500m_2015_level2

[66] M. Pesaresi, “GHS-BUILT-S R2023A - GHS built-up surface grid, derived from Sentinel2 composite and Landsat, multitemporal (1975-2030).” European Commission, Joint Research Centre (JRC), 25 April 2023. doi: 10.2905/9F06F36F-4B11-47EC-ABB0-4F8B7B1D72EA.

[67] M. Pesaresi *dkk.*, “Advances on the Global Human Settlement Layer by joint assessment of Earth Observation and population survey data,” *Int. J. Digit. Earth*, vol. 17, no. 1, hlm. 2390454, Des 2024, doi: 10.1080/17538947.2024.2390454.

[68] VIDA, Google, dan Microsoft, “Google-Microsoft Open Buildings – combined by VIDA.” Diakses: 1 Mei 2025. [Daring]. Tersedia pada: <https://beta.source.coop/repositories/vida/google-microsoft-open-buildings>

[69] European Union, European Space Agency, dan Copernicus Programme, “Harmonized Sentinel-2 MSI: MultiSpectral Instrument, Level-2A (SR).” 28 Maret 2017. Diakses: 1 Mei 2025. [Daring]. Tersedia pada: https://developers.google.com/earth-engine/datasets/catalog/COPERNICUS_S2_SR_HARMONIZED

[70] O. M. Almethen dan Z. S. Aldaithan, “The State of Atmosphere Stability and Instability Effects on Air Quality,” *Int. J. Eng. Sci.*, vol. 06, no. 04, hlm. 74–79, Apr 2017, doi: 10.9790/1813-0604017479.

[71] O. Miyawaki, T. A. Shaw, dan M. F. Jansen, “Quantifying Energy Balance Regimes in the Modern Climate, Their Link to Lapse Rate Regimes, and Their Response to Warming,” *J. Clim.*, vol. 35, no. 3, hlm. 1045–1061, Feb 2022, doi: 10.1175/JCLI-D-21-0440.1.

[72] J. Sun, M. Cai, X. Hu, J. Feng, dan F. Ding, “Energy Gain Kernel for Climate Feedbacks. Part III: Reconciliation of the Apparent ‘Negative’ Nature of Lapse-Rate Feedback,” *J. Atmospheric Sci.*, vol. 82, no. 5, hlm. 917–931, Mei 2025, doi: 10.1175/JAS-D-24-0168.1.

[73] Y. He dan K. Wang, “Contrast patterns and trends of lapse rates calculated from near-surface air and land surface temperatures in China from 1961 to 2014,” *Sci. Bull.*, vol. 65, no. 14, hlm. 1217–1224, Jul 2020, doi: 10.1016/j.scib.2020.04.001.

[74] S. Vujovic, B. Haddad, H. Karaky, N. Sebaibi, dan M. Boutouil, “Urban Heat Island: Causes, Consequences, and Mitigation Measures with Emphasis on Reflective and Permeable Pavements,” *CivilEng*, vol. 2, no. 2, hlm. 459–484, Jun 2021, doi: 10.3390/civileng2020026.



- [75] S. Kato dan Y. Yamaguchi, “Estimation of storage heat flux in an urban area using ASTER data,” *Remote Sens. Environ.*, vol. 110, no. 1, hlm. 1–17, Sep 2007, doi: 10.1016/j.rse.2007.02.011.
- [76] E. Bonamente *dkk.*, “An energy-balanced analytic model for urban heat canyons: comparison with experimental data,” *Adv. Build. Energy Res.*, vol. 7, no. 2, hlm. 222–234, Okt 2013, doi: 10.1080/17512549.2013.865561.
- [77] M. Singh dan R. Sharston, “Quantifying the dualistic nature of urban heat Island effect (UHI) on building energy consumption,” *Energy Build.*, vol. 255, hlm. 111649, Jan 2022, doi: 10.1016/j.enbuild.2021.111649.
- [78] T. Kawai, M. K. Ridwan, dan M. Kanda, “Evaluation of the Simple Urban Energy Balance Model Using Selected Data from 1-yr Flux Observations at Two Cities,” *J. Appl. Meteorol. Climatol.*, vol. 48, no. 4, hlm. 693–715, Apr 2009, doi: 10.1175/2008JAMC1891.1.
- [79] J. Hang *dkk.*, “Evaluation of surface urban energy and water balance scheme (SUEWS) using scaled 2D model experiments under various seasons and sky conditions,” *Urban Clim.*, vol. 54, hlm. 101851, Mar 2024, doi: 10.1016/j.uclim.2024.101851.
- [80] X. Ao *dkk.*, “Evaluation of the Surface Urban Energy and Water Balance Scheme (SUEWS) at a Dense Urban Site in Shanghai: Sensitivity to Anthropogenic Heat and Irrigation,” *J. Hydrometeorol.*, vol. 19, no. 12, hlm. 1983–2005, Des 2018, doi: 10.1175/JHM-D-18-0057.1.
- [81] K. Fujiwara *dkk.*, “VoxCity: A Seamless Framework for Open Geospatial Data Integration, Grid-Based Semantic 3D City Model Generation, and Urban Environment Simulation,” 2025, *arXiv*. doi: 10.48550/ARXIV.2504.13934.
- [82] NASA Langley Research Center, “Prediction Of Worldwide Energy Resources (POWER) Project.” NASA Langley Research Center. Diakses: 1 Mei 2025. [Daring]. Tersedia pada: <https://power.larc.nasa.gov>
- [83] NASA Langley Research Center, “POWER Project’s Hourly 2.4.14 dataset.” NASA Langley Research Center. Diakses: 1 Mei 2025. [Daring]. Tersedia pada: <https://power.larc.nasa.gov>
- [84] NASA Langley Research Center, “POWER Project’s Native Resolution Monthly & Annual dataset.” NASA Langley Research Center. Diakses: 1 Mei 2025. [Daring]. Tersedia pada: <https://power.larc.nasa.gov>
- [85] Global Modeling and Assimilation Office (GMAO), “MERRA-2 tavg1_2d_slv_Nx: Single-Level Diagnostics (QV10M, T10M, WS10M).” Goddard Space Flight Center Distributed Active Archive Center (GSFC DAAC), Greenbelt, MD, USA, 2015. doi: <https://doi.org/10.5067/VJAFPLI1CSIV>.



[86] NASA Langley Atmospheric Science Data Center (LaRC ASDC), “Clouds and the Earth’s Radiant Energy System (CERES) Synoptic 1° (SYN1deg) 1-hour product, Edition 4A.” NASA Langley Atmospheric Science Data Center (LaRC ASDC), Hampton, VA, USA, 2017. doi: https://doi.org/10.5067/TERRA+AQUA/CERES/SYN1DEG-1HOUR_L3.004A.

[87] C3S, “ERA5 hourly data on single levels from 1940 to present.” Copernicus Climate Change Service (C3S) Climate Data Store (CDS), 2018. doi: 10.24381/CDS.ADBB2D47.

[88] Copernicus Climate Change Service, “ERA5 monthly averaged data on pressure levels from 1940 to present.” Copernicus Climate Change Service (C3S) Climate Data Store (CDS), 2019. doi: 10.24381/CDS.6860A573.

[89] M. Pesaresi, “GHS-BUILT-H R2023A - GHS building height, derived from AW3D30, SRTM30, and Sentinel2 composite (2018).” European Commission, Joint Research Centre (JRC), 25 April 2023. doi: 10.2905/85005901-3A49-48DD-9D19-6261354F56FE.

[90] J. Takaku, T. Tadono, dan K. Tsutsui, “Generation of High Resolution Global DSM from ALOS PRISM,” *Int. Arch. Photogramm. Remote Sens. Spat. Inf. Sci.*, vol. XL-4, hlm. 243–248, Apr 2014, doi: 10.5194/isprsarchives-XL-4-243-2014.

[91] J. J. Danielson dan D. B. Gesch, “Global Multi-resolution Terrain Elevation Data 2010 (GMTED2010)”.

[92] OpenStreetMap, “Overpass Turbo – Web-based data query tool for OpenStreetMap.” 2025.

[93] Center for International Earth Science Information Network (CIESIN), Columbia University, “Gridded Population of the World, Version 4 (GPWv4): Population Density, Revision 11.” NASA Socioeconomic Data and Applications Center (SEDAC), Palisades, NY, 2018. doi: <https://doi.org/10.7927/H49C6VHW>.

[94] American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) & Illuminating Engineering Society (IES), *ANSI/ASHRAE/IES Standard 90.2-2018: Energy-Efficient Design of Low-Rise Residential Buildings*, 90.2-2018, Atlanta, GA., 2018. [Daring]. Tersedia pada: https://webstore.ansi.org/preview-pages/ASHRAE/preview_ANSI%2BASHRAE%2B90.2-2018.pdf?srsId=AfmBOoq_CIBjH9I943z3rEFVnOjtgFHa2yLrXzcHZKGxqW-YN9Kdp-2r

[95] American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE), *ASHRAE Handbook—Fundamentals (SI Edition)*. Atlanta, GA: ASHRAE, 2021.



[96] American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE), *ANSI/ASHRAE Standard 62.2-2016: Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings*, 62.2-2016, Atlanta, GA., 2016.

