

## DAFTAR PUSTAKA

- Alfata, M. N. F., Nugroho, A. M., & Ekasiwi, S. N. (2014). Kenyamanan Termal pada Ruang Iklim di Dua Daerah dengan Karakteristik Iklim yang Berbeda (Studi Kasus Malang dan Surabaya). *Jurnal Permukiman*, 9(1), 28–40.
- Atianta, L. (2017). *Pengaruh Intensitas Pemanfaatan Ruang terhadap SUHI (Surface Urban Heat Island) di Perkotaan Yogyakarta*. Universitas Gadjah Mada.
- Badan Pusat Statistik. (2018). *Provinsi Daerah Istimewa Yogyakarta dalam Angka*. D.I. Yogyakarta: Badan Pusat Statistik.
- Barry, R. G., & Chorley, R. J. (1971). *Atmosphere, Weather, and Climate* (2nd ed.). Great Britain: Butler & Tanner Ltd.
- Bhatta, B. (2010). *Analysis of Urban Growth and Sprawl from Remote Sensing Data* (S. Balram & S. Dragicevic, Eds.). <https://doi.org/10.1007/978-3-642-05299-6>
- Binarti, F., Kusuma, H. E., Wonorahardjo, S., & Triyadi, S. (2018). Peranan Unsur-Unsur Ruang Terbuka Pada Tingkat Kenyamanan Termal Outdoor: Antara Persepsi dan Pengetahuan. *Jurnal Arsitektur Komposisi*, 12(1), 41. <https://doi.org/10.24002/jars.v12i1.1645>
- Cornwall, C., Horiuchi, A., & Lehman, C. (2020). Solar Position Calculator. Retrieved June 10, 2020, from <https://www.esrl.noaa.gov/gmd/grad/solcalc/azel.html>
- DPPL UGM. (2018). *Penyajian Informasi Lingkungan untuk Usaha dan/atau Kegiatan Wajib AMDAL*. Yogyakarta.
- DPP UGM. (2019). UGM Dalam Angka 2019. Retrieved from <https://ugm.ac.id/id/tentang-ugm/3679-ugm.dalam.angka>
- Ghaffarianhoseini, A., Berardi, U., Ghaffarianhoseini, A., & Al-Obaidi, K. (2019). Analyzing the Thermal Comfort Conditions of Outdoor Spaces in a University Campus in Kuala Lumpur, Malaysia. *Science of the Total Environment*, 666, 1327–1345. <https://doi.org/10.1016/j.scitotenv.2019.01.284>
- Givoni, B. (1976). *Man, Climate and Architecture* (2nd ed.). London: Applied Science Publishers.
- Handoko. (1995). *Klimatologi Dasar: Landasan Pemahaman Fisika Atmosfer dan*

- Unsur- Unsur Iklim* (2nd ed.). Jakarta: Pustaka Jaya.
- Honjo, T. (2009). Thermal Comfort in Outdoor Environment. *Global Environmental Research*, 13(June), 43–47.
- Hove, L. W. A. Van, Jacobs, C. M. J., Heusinkveld, B. G., Elbers, J. A., Driel, B. L. Van, & Holtslag, A. A. M. (2015). Temporal and Spatial Variability of Urban Heat Island and Thermal Comfort within the Rotterdam Agglomeration. *Building and Environment*, 83, 91–103. <https://doi.org/10.1016/j.buildenv.2014.08.029>
- ISO7730(2005). (2005). *Ergonomics of the Thermal Environment - Analytical Determination and Interpretation of Thermal COMfort Using Calculation of the PMV and PPD Indices and Local Thermal Comfort Criteria* (ISO 7730:). Switzerland: International Standard Organization.
- Jumaila, S. I., & Maulida, S. (2018). Pemantauan Suhu dan Kelembaban di Laboratorium Kalibrasi Tekanan dan Volume Berbasis Web Secara Real Time. *Jurnal Otomasi Kontrol dan Instrumentasi*, 9(1), 9. <https://doi.org/10.5614/joki.2017.9.1.2>
- Karyono, T. H. (2015). Predicting Comfort Temperature in Indonesia, an Initial Step to Reduce Cooling Energy Consumption. *Buildings*, 5(3), 802–813. <https://doi.org/10.3390/buildings5030802>
- Monteiro, L. M., & Alucci, M. P. (2009). An Outdoor Thermal Comfort Index for Subtropic. *PLEA2009 - 26th Conference on Passive and Low Energy Architecture*, 1–6. Retrieved from <http://www.plea2009.arc.ulaval.ca/Papers/1.CHALLENGE/1.2 City/ORAL/1-2-09-PLEA2009Quebec.pdf>
- Nieuwolt. S. (1975). *Tropical Climatology, An Introduction on the Low Latitudes*. New York: John Wiley & Sons.
- Nikolopoulou, M., Lykoudis, S., & Kikira, M. (2008). Thermal Comfort in Urban Spaces: Field Studies in Greece. *Proceedings of the Fifth International Conference on Urban Climate*. Lodz, Poland.
- Oke, T. R. (2004). Initial guidance to obtain representative meteorological observations at urban sites. *World Meteorological Organization*, (81), 51. <https://doi.org/Reporte>
- Oke, T R, Mills, G., Christen, A., & Voogt, J. A. (2017). *Urban Climates*. Cambridge, United Kingdom: Cambridge University Press.

- Pemerintah Daerah Istimewa Yogyakarta. *Rencana Tata Ruang Wilayah Provinsi Daerah Istimewa Yogyakarta Tahun 2009 - 2029*. , Pub. L. No. 2, 1 (2010).
- Pradhesta, Y. F., Nurjani, E., & Arijuddin, B. I. (2019). Local Climate Zone Classification for Climate-based Urban Planning using Landsat 8 Imagery (A Case Study in Yogyakarta Urban Area). *IOP Conference Series: Earth and Environmental Science*, 303(1). <https://doi.org/10.1088/1755-1315/303/1/012022>
- Pramudi, U. (2009). Dinamika Pelajar dan Mahasiswa di Sekitar Kampus Yogyakarta ( Telaah Pengelolaan Rumah Kontrak dan Rumah Sewa ). *International Symposium on Management of Student Dormitory*, (April), 1–16.
- Putra, R. R. (2017). *Kajian Beban Emisi Karbondioksida (CO2) pada Kawasan Kampus Universitas Gadjah Mada*. Universitas Gadjah Mada.
- Rahayu, H. P. (2016). *Kondisi Ruang Terbuka Hijau dan Kenyamanan Termal di Kawasan Universitas Gadjah Mada dan Universitas Negeri Yogyakarta*. Universitas Gadjah Mada.
- Sakti, W. . (2005). *Analisis Indeks Kenyamanan Hutan Kota (Studi Kasus KRKB Gembira Loka dan Kampus UGM)*. Universitas Gadjah Mada.
- Salata, F., Golasi, I., Lieta, R. De, & Lieta, A. De. (2016). Outdoor Thermal Comfort in the Mediterranean Area: A Transversal Study in Rome , Italy. *Building and Environment*, 96, 46–61. <https://doi.org/10.1016/j.buildenv.2015.11.023>
- Sanger, Y. Y. J., Rogi, R. . ., & Rombang, J. A. (2016). Pengaruh Tipe Tutupan Lahan Terhadap Iklim Mikro Di Kota Bitung. *Agri-Sosioekonomi*, 12(3A), 105. <https://doi.org/10.35791/agrsosek.12.3a.2016.14355>
- Sangkertadi, S. (2012). Pengaruh Kecepatan Angin terhadap Tingkat Kenyamanan Termal di Ruang Luar Iklim Tropis. *Jurnal Lingkungan Binaan Indonesia*, 1(2), 1–9.
- Sangkertadi, & Syafriny, R. (2012). Proposition of Regression Equations to Determine Outdoor Thermal Comfort in Tropical and Humid Environment. *IPTEK, The Journal for Technology and Science*, 23(2), 59–67.
- Schuttenhelm, R. (2011). *Both Urban Heat Island Effect and Rooftop Albedo Geoengineering Negligible*. Retrieved from <http://www.bitsofscience.org/urban-heat-island-rooftop-albedo->

geoengineering-3966/

- Shahidan, M. F., K.M.Sharif, M., Jones, P., Salleh, E., & Abdullah, A. M. (2010). A Comparison of Mesua ferrea L. and Hura crepitans L. for Shade Creation and Radiation Modification in Improving Thermal Comfort. *Landscape and Urban Planning*, 97(3), 168–181. <https://doi.org/https://doi.org/10.1016/j.landurbplan.2010.05.008>
- Shahrestani, M., Yao, R., Luo, Z., Turkbeyler, E., & Davies, H. (2015). A Field Study of Urban Microclimates in London. *Renewable Energy*, 73, 3–9. <https://doi.org/10.1016/j.renene.2014.05.061>
- Silalahi, J., & Harianja, A. H. (2014). Analisis Kebutuhan Ruang Terbuka Hijau di Kota Medan. *Prosiding Ekspose Hasil Penelitian Tahun 2014*, (Nopember), 218–228. Medan: Balai Penelitian Kehutanan Aek Nauli.
- Srivanit, M., & Hokao, K. (2012). Effects of Urban Development and Spatial Characteristics on Urban Thermal Environment in Chiang Mai Metropolitan, Thailand. *Lowland Technology International*, 14(2), 9–22.
- Srivanit, Manat, Hokao, K., & Iamtrakul, P. (2014). Classifying Thermal Climate Zones to Support Urban Environmental Planning and Management in the Bangkok Metropolitan Area. *Journal of Architectural Research and Design Studies*, 11(1), 73–92.
- Steenefeld, G. J., Koopmans, S., Heusinkveld, B. G., & Hove, L. W. A. Van. (2011). Quantifying Urban Heat Island Effects and Human Comfort for Cities of Variable Size and Urban Morphology in the Netherlands. *Journal of Geophysical Research Atmosphere*, 116, 1–14. <https://doi.org/10.1029/2011JD015988>
- Su, Y. F., Foody, G. M., & Cheng, K. S. (2012). Spatial Non-Stationarity in the Relationships between Land Cover and Surface Temperature in an Urban Heat Island and its Impacts on Thermally Sensitive Populations. *Landscape and Urban Planning*, 107(2), 172–180. <https://doi.org/10.1016/j.landurbplan.2012.05.016>
- Suarma, U., Nurjani, E., Hadi, M. P., Cahyono, K. A., Permatasari, W. H., & Amalia, R. D. (2019). Air Quality and Comfort Level Assessment: A Case of Faculty of Geography, Universitas Gadjah Mada, Indonesia. *IOP Conference Series: Earth and Environmental Science*, 256(1). <https://doi.org/10.1088/1755-1315/256/1/012040>
- Sugiasih. (2013). Rumus Indeks Ketidaknyamanan Suatu Wilayah. *Jurnal*

*Fourier*, 2(1), 19. <https://doi.org/10.14421/fourier.2013.21.19-25>

Suyono, B., & Prianto, E. (2017). Kajian Sensasi Kenyamanan Termal dan Konsumsi Energi di Taman Srigunting Kota Lama Semarang. *MODUL*, 17(2), 17–25.

Thomson, R. D., & Perry, A. (1997). *Applied Climatology*. London: Routledge.

Tjasyono, B. (2004). *Klimatologi*. Bandung: Penerbit ITB.

Trewartha, G. T., & Horn, L. H. (1995). *Pengantar Iklim* (5th ed.). Yogyakarta: Universitas Gadjah Mada Press.

Turner, S. C., Paliaga, G., Lynch, B. M., Arens, E. A., Aynsley, R. M., Brager, G. S., Peterson, J. C. (2010). *ASHRAE Standard: Thermal Environmental Conditions for Human Occupancy* (55th ed.). Tullie Circle NE, Atlanta: ASHRAE.

Wicahyani, S., Sasongko, S. B., & Izzati, M. (2014). Pulau Bahang Kota (Urban Heat Island) Di Kota Yogyakarta Dan Daerah Sekitarnya Hasil Interpretasi Citra Landsat Olitirs Tahun 2013. *Jurnal Geografi*, 11(2), 196–204. <https://doi.org/10.15294/jg.v11i2.8027>

Wiwin, A., Kadir, A., Hasanudin, L., Galugu, I., Jurusan, M., Mesin, T., ... Oleo, U. H. (2018). Studi Potensi Radiasi Matahari Untuk Pemanfaatan Energi Surya Di Kota Kendari. *ENTHALPY-Jurnal Ilmiah Mahasiswa Teknik Mesin*, 3(3), 1–8. Retrieved from <http://ojs.uho.ac.id/index.php/ENTHALPY/article/view/4532/3483>

Xue, S., & Xiao, Y. (2016). Study on the Outdoor Thermal Comfort Threshold of Lingnan Garden in Summer. *Procedia Engineering*, 169, 422–430. <https://doi.org/10.1016/j.proeng.2016.10.052>

Yang, W., Wong, N. H., & Jusuf, S. K. (2013). Thermal Comfort in Outdoor Urban Spaces in Singapore. *Building and Environment*, 59, 426–435. <https://doi.org/10.1016/j.buildenv.2012.09.008>