

DAFTAR PUSTAKA

- Adityo, A. (2017). Peningkatan Kenyamanan Termal Koridor Jalan Melalui Desain Tata Vegetasi Berbasis Simulasi, Studi kasus : jalan Supadi, Kotabaru, Yogyakarta. *Jurnal Arsitektur KOMPOSISI*, 10(1), 159. <https://doi.org/10.24002/jars.v11i3.1189>
- Anand, V., Kadiri, V. L., & Putcha, C. (2023). Passive buildings: a state-of-the-art review. *Journal of Infrastructure Preservation and Resilience*, 4(1). <https://doi.org/10.1186/s43065-022-00068-z>
- ANSI/ASHRAE Standard 55. (2017). Thermal environmental conditions for human occupancy. *ANSI/ASHRAE Standard 55*, 7, 60.
- Anwar, D., Karyono, T. H., & R. Tobing, R. (2021). Kenyamanan Fisik Ruang Pada Permukiman Tradisional Kampung Naga. *AGORA:Jurnal Penelitian Dan Karya Ilmiah Arsitektur Usakti*, 18(2), 39–45. <https://doi.org/10.25105/agora.v18i02.4071>
- Arens, E. A., Aynsley, R. M., Bean, R., Hartman, T. B., Humphreys, M. A., Int-hout, D., Khalil, E. E., Mora, R., Rourke, M. P. O., Rice, D. J., Rose, D. M., Smith, A. R., Turner, S. C., Williams, J. G., Barnaby, C. S., Burkhead, R. B., & Hanson, S. S. (2021). *Thermal Environmental Conditions for Human Occupancy*. 2020.
- Arifin, I. N., & Hidayat, M. S. (2018). Pengaruh Bukaannya Terhadap Kinerja Termal pada Masjid Jendral Sudirman. *Vitruvian Jurnal Arsitektur, Bangunan, & Lingkungan*, 7(2), 67–76. <https://publikasi.mercubuana.ac.id/index.php/vitruvian/article/view/3339/1808>
- Atmaca, A. B., Gedik, G. Z., & Wagner, A. (2021). Determination of optimum envelope of religious buildings in terms of thermal comfort and energy consumption: Mosque cases. *Energies*, 14(20). <https://doi.org/10.3390/en14206597>
- Author, C. (2024). *Thermal Comfort Analyses Of The Old Mosque In A Humid Climate A Case Study On Old Mosque Gunong Kleng , Aceh Barat , Indonesia*. 11(1), 89–108. <https://doi.org/10.24191/myse.v11i1.989>
- Azmi, U., Hadi, Z. N., & Soraya, S. (2020). ARDL METHOD: Forecasting Data Curah Hujan Harian NTB. *Jurnal Varian*, 3(2), 73–82. <https://doi.org/10.30812/varian.v3i2.627>
- Cengel, Y. (2002). Heat Transfer: HEAT TRANSFER. *John Wiley & Sons*, 160–189. <https://www.taylorfrancis.com/books/9781439814680>
- Cheng, S., & Chong, A. (2024). *Simulation and validation of indoor temperature and*

relative humidity in a mixed-mode ventilated building in a tropical climate.

- Chi, F., Wang, Y., Wang, R., Li, G., & Peng, C. (2020). An investigation of optimal window-to-wall ratio based on changes in building orientations for traditional dwellings. *Solar Energy*, 195(November 2019), 64–81. <https://doi.org/10.1016/j.solener.2019.11.033>
- Concrete Thermal Mass Calculator - GEGCalculators. (n.d.). Retrieved June 21, 2025, from https://gegcalculators.com/concrete-thermal-mass-calculator/?utm_source=chatgpt.com
- de Dear, R. J., & Brager, G. S. (1998). Developing an adaptive model of thermal comfort and preference. *ASHRAE Transactions*, 104(Pt 1A), 145–167.
- De Dear, R. J., & Brager, G. S. (2002). Thermal comfort in naturally ventilated buildings: Revisions to ASHRAE Standard 55. *Energy and Buildings*, 34(6), 549–561. [https://doi.org/10.1016/S0378-7788\(02\)00005-1](https://doi.org/10.1016/S0378-7788(02)00005-1)
- Delyuzir, R. D., & Murni, A. (2019). Kenyaman Termal Bangunan Sekolah Dasar Negeri (Studi Kasus : Sekolah Dasar Negeri 02 Ulujami Pagi, Jakarta). *Vitruvian*, 8(2), 75. <https://doi.org/10.22441/vitruvian.2018.v8i2.003>
- Dien, M., Kindangen, J., & Wuisang, C. (2021). Penggunaan Material Atap Terhadap Beban Panas Pada Hunian Di Perumahan Sederhana Di Kota Manado. *Jurnal Spasial*, 8(3), 303–310. <https://ejournal.unsrat.ac.id/index.php/spasial/article/download/35840/33459>
- Diler, Y., Turhan, C., Durmus, Z., & Gökçen, G. (2021). *Energy & Buildings Thermal comfort analysis of historical mosques . Case study: The Ulu*. 252. <https://doi.org/10.1016/j.enbuild.2021.111441>
- Hakim, F. N., Muhamadinah, Y., Atthaillah, Mangkuto, R. A., & Sudarsono, A. S. (2021). Building Envelope Design Optimization of a Hypothetical Classroom Considering Energy Consumption, Daylight, and Thermal Comfort: Case Study in Lhokseumawe, Indonesia. *International Journal of Technology*, 12(6), 1217–1227. <https://doi.org/10.14716/IJTECH.V12I6.5203>
- Hanggara, A. B., Purnomo, A. B., & Walaretina, R. (2021). Penerapan Ventilasi Silang Pada Ruang Unit Kegiatan Mahasiswa Di Gedung Pusgiwa, Universitas Indonesia. *Prosiding Seminar Intelektual Muda*, 3(1), 153–159. <https://doi.org/10.25105/psia.v3i1.13035>
- Heidari, A., Taghipour, M., & Yarmahmoodi, Z. (2021). The effect of fixed external shading devices on daylighting and thermal comfort in residential building. *Journal*

- of Daylighting*, 8(2), 165–180. <https://doi.org/10.15627/JD.2021.15>
- Hidayat, M. S., Rinaldi, I., & Anggraeni, D. (2022). *The Analysis Of Thermal Comfort In The Old Mosque : Case Study Luar Batang Mosque , North Jakarta , Indonesia*. 03, 1724–1735.
- Humphreys, M. A., & Nicol, J. F. (1998). Understanding the adaptive approach to thermal comfort. *ASHRAE Transactions*, 104(Pt 1B), 991–1004.
- Ini Sejarah Masjid Agung Sultan Jeumpa Bireuen, Kini Jadi Tujuan Wisata Religi - Acehinfo*. (n.d.). Retrieved July 9, 2025, from <https://www.acehinfo.id/ini-sejarah-masjid-agung-sultan-jeumpa-bireuen-kini-jadi-tujuan-wisata-religi/>
- Iqbal, M. (2019). Studi Orientasi Bangunan Dan Adaptasi Nya Terhadap Kenyamanan Manusia Dalam Bangunan. *Jurnal Arsitekno*, 1(1), 39. <https://doi.org/10.29103/arj.v1i1.1231>
- Itera, M. A., Selatan, L., Yazid, S., Devitama, F. F., Iwako, G. Y., Chaeriyah, S., & Studio-bandung, R. L. A. (2020). *Analisis Komparatif Respons Desain Melalui Simulasi Pencahayaan dan*.
- Izati Rasli, N. B., Ramli, N. A., & Ismail, M. R. (2021). The Determination of Indoor Air Quality and Thermal Comfort with Different Space and Ventilation in the Teracce and Bungalow Houses. *Current World Environment*, 16(3), 774–793. <https://doi.org/10.12944/cwe.16.3.11>
- Jual Enerlife Insulation Super Series 25 mm Insulasi Peredam Panas A*. (n.d.). Retrieved May 10, 2025, from <https://www.fobuma.com/id/mp/enerlife-enerlife-insulation-super-series-25-mm-double-side-aluminium-foil-insulasi-peredam-panas-atap>
- Kamilia, M., & Yeni, F. (2023). Validasi Data Pelanggan Menggunakan Customer Data Management dan Geographic Information System Melalui Website MyCX dan Starclick. *Journal of Network and Computer Applications ...*, 37–43. <http://jurnal.netplg.com/index.php/jnca/article/view/6>
- Kurniawan, E., Safyan, A., Arsitektur, P., Sipil, J. T., Teknik, F., Malikussaleh, U., Garam, L., Sakti, B., & Lhokseumawe, K. (2023). *Analisis Kenyamanan Termal pada Ruang Salat Masjid Agung Islamic Centre Kota Lhokseumawe*. 1, 1–13.
- Luo, X., Xu, D., Bing, Y., He, Y., & Chen, Q. (2024). Thermal Performance and Building Energy Simulation of Precast Insulation Walls in Two Climate Zones. *Buildings*, 14(9), 2612. <https://doi.org/10.3390/buildings14092612>
- Markus, B. (2023). *et al., 2016*.
- Miftahuddin. (2016). Analisis Unsur-unsur Cuaca dan Iklim Melalui Uji Mann-Kendall

- Multivariat. *Jurnal Matematika, Statistika, & Komputasi*, 13(1), 26–38.
<https://journal.unhas.ac.id/index.php/jmsk/article/download/3476/2004>
- Mohammad Yusoff, W. F. (2021). Indoor Thermal Comfort in Modern Mosque of Tropical Climate. *Iconarp International J. of Architecture and Planning*, 9(2), 720–741. <https://doi.org/10.15320/iconarp.2021.178>
- Nicol, J. F., & Humphreys, M. A. (2002). Adaptive thermal comfort and sustainable thermal standards for buildings. *Energy and Buildings*, 34(6), 563–572. [https://doi.org/10.1016/S0378-7788\(02\)00006-3](https://doi.org/10.1016/S0378-7788(02)00006-3)
- P. N. Zatibayani, A. M. Nugroho, & H. Santosa. (2015). Pengaruh Shading Devices terhadap Penerimaan Radiasi Matahari Langsung pada Fasad Gedung Fakultas Peternakan Universitas Brawijaya. *Jurnal Mahasiswa Arsitektur Universitas Brawijaya*. http://id.wikipedia.org/wiki/Pemanasan_global
- Palomo Amores, T., Ruda Sarria, F., Medina, D. C., Valera, T. C., Sánchez Ramos, J., & Álvarez Domínguez, S. (2025). Experimental Validation of the Potential of Cross-Ventilation Strategy as a Natural Cooling Technique Integrated in a Real Historic Building. *Applied Sciences (Switzerland)*, 15(4). <https://doi.org/10.3390/app15042174>
- Ponechal, R., Barňák, P., & Ďurica, P. (2022). Comparison of Simulation and Measurement in a Short-Term Evaluation of the Thermal Comfort Parameters of an Office in a Low-Carbon Building. *Buildings*, 12(3). <https://doi.org/10.3390/buildings12030349>
- Purnama, S. (2020). Analisis Bentuk Peneduh Terhadap Perolehan Radiasi Sinar Matahari Pada Bangunan Tinggi. *Lakar: Jurnal Arsitektur*, 3(01), 45–49. <https://doi.org/10.30998/lja.v3i01.5914>
- Rahmadyani, H., & Kusuma, H. E. (2021). Hubungan Perilaku Boros Energi dengan Alasan Berperilaku Boros Energi pada Hunian. *Jurnal Lingkungan Binaan Indonesia*, 10(1), 27–37. <https://doi.org/10.32315/jlbi.v10i01.9>
- Risdana, F., Munir, A., & Ariatsyah, A. (2023). Kinerja Termal Green Roof dengan Penggunaan Tanaman Hidroponik. *Jurnal Ilmiah Mahasiswa Arsitektur Dan Perencanaan*, 6(4), 38–43. <https://doi.org/10.24815/jimap.v6i4.21761>
- Rodriguez, C. M., & D'Alessandro, M. (2019). Indoor thermal comfort review: The tropics as the next frontier. *Urban Climate*, 29(June), 100488. <https://doi.org/10.1016/j.uclim.2019.100488>
- Sari, K. P. (2021). Analisis Perbedaan Suhu Dan Kelembaban Ruangan Pada Kamar

- Berdinding Keramik. *Jurnal Inkofar*, 1(2), 5–11.
<https://doi.org/10.46846/jurnalinkofar.v1i2.156>
- Specification 36 Material properties | WaterMark*. (n.d.). Retrieved June 21, 2025, from
https://watermark.abcb.gov.au/editions/ncc-2022/adopted/volume-one/j-energy-efficiency/36-material-properties?utm_source=chatgpt.com
- Standard, I. (2005). *ISO 7730:2005 Third edition. 2005*.
- Stasi, R., Ruggiero, F., & Berardi, U. (2024). Influence of cross-ventilation cooling potential on thermal comfort in high-rise buildings in a hot and humid climate. *Building and Environment*, 248(August 2023).
<https://doi.org/10.1016/j.buildenv.2023.111096>
- Sulthan Jeumpa Great Mosque - Google Maps*. (n.d.). Retrieved April 28, 2025, from
https://www.google.com/maps/place/Sulthan+Jeumpa+Great+Mosque/@5.1977362,96.7025102,347m/data=!3m1!1e3!4m6!3m5!1s0x30474322df3bdf4b:0x7ab9955a14df3dc0!8m2!3d5.1979015!4d96.7020424!16s%2Fg%2F1pztfyb7s?authuser=0&entry=tту&g_ep=EgoyMDI1MDQyMy4wIKXMDSoJLDEwMjExNDUzSAFQAaw%3D%3D
- Szokolay, S. (2012). Introduction to Architectural Science. In *Introduction to Architectural Science*. <https://doi.org/10.4324/9780080473130>
- Talarosha, B. (2017). Jendela dan Dampaknya terhadap Konsentrasi CO2 di dalam Ruang Kelas, Kajian Literatur. *Jurnal Lingkungan Binaan Indonesia*, 6(4), 188–195.
<https://doi.org/10.32315/jlbi.7.1.46>
- Taqwim S, M. A., Hardiman, G., & Budi, W. S. (2020). Kondisi Thermal Masjid Al-Fairus Pekalongan. *Arsitektura*, 18(1), 27. <https://doi.org/10.20961/arst.v18i1.31418>
- Tatachar, A. V. (2021). Comparative assessment of regression models based On model evaluation metrics. *International Research Journal of Engineering and Technology*, 8(9), 853–860. https://d1wqtxts1xzle7.cloudfront.net/73250877/IRJET_V8I9127-libre.pdf
- Turhan, C., Carpino, C., Chen Austin, M., Özbey, M. F., & Akkurt, G. G. (2025). Impact of Green Wall and Roof Applications on Energy Consumption and Thermal Comfort for Climate Resilient Buildings. *Urban Science*, 9(4).
<https://doi.org/10.3390/urbansci9040105>
- Widiyantoro, H., Muladi, E., & Vidiyanti, C. (2017). Analisis Pencahayaan Terhadap Kenyamanan Visual Pada Pengguna Kantor. *Jurnal Arsitektur, Bangunan, & Lingkungan*, 6(2), 65–70.

- Widyakusuma, A., & Zainoeddin, A. M. (2022). Ruang ibadah pada bangunan Masjid Darul Ulum Pamulang ditinjau dari sisi kenyamanan termal. *Jurnal KaLIBRASI*, 5(1), 22–44.
- Winandari, M. I. S. D. P. D. B. P. K. R., Baharessa, V. K., & Tundono, S. (2023). Penerapan Strategi Desain Pasif Di Bangunan Pusat Kreatif. *Pawon: Jurnal Arsitektur*, 7(2), 173–188. <https://doi.org/10.36040/pawon.v7i2.5329>
- Zahran, N. L., Salsabila, K., Ramadhan, T., & Maknun, J. (2023). Analisis Kenyamanan Termal Bangunan Masjid Sma Di Kota Bandung. *Tesa Arsitektur*, 21(1), 60–71. <https://doi.org/10.24167/tesa.v21i1.10343>