

## DAFTAR PUSTAKA

- Aritonang, S. R., Mangkuto, R. A., Atthailah, & Prasetyo, I. (2025). Daylighting design optimization of complex fenestration systems with external shadings and horizontal slats in tropical elementary school classrooms. *Journal of Architectural Engineering*, 31(1), 04025001. <https://doi.org/10.1061/JAEIED.AEENG-1894>
- Abdollahi Rizi, R., Sangin, H., Haghghatnejad Chobari, K., Eltaweel, A., & Phipps, R. (2023). Optimising daylight and ventilation performance: A building envelope design methodology. *Buildings*, 13(11), 2840. <https://doi.org/10.3390/buildings13112840>
- Acosta, I., Campano, M. A., Molina, J. F., & Navarro, J. (2018). Impact of daylighting on indoor environmental quality and visual comfort. *Journal of Daylighting*, 5(1), 1–14.
- Atthailah, Wijayanti, S., & Hassan, S. M. (2018). *Simulasi desain fasad optimal terhadap pencahayaan alami pada Gedung Prodi Arsitektur Universitas Malikussaleh*. EMARA: Indonesian Journal of Architecture, 4(1), 21–29. <https://doi.org/10.29080/emara.v4i1.228>
- Athailah, A., Iqbal, M., & Situmeang, I. S. (2017a). SIMULASI PENCAHAYAAN ALAMI PADA GEDUNG PROGRAM STUDI ARSITEKTUR UNIVERSITAS MALIKUSSALEH. *NALARs*, 16(2), 113. <https://doi.org/10.24853/nalars.16.2.113-124>
- Bian, Y., & Ma, Y. (2018). Consumption Dynamic Daylighting Simulation and Lighting Energy Analysis Considering Visual Comfort. *Journal of Zhejiang University (Engineering Science)*, 52(9), 1638–1643.
- Carew, P. (2025). Terms and conditions Privacy policy Daylight design: Simulations driven luminaire and controls selection (2012) Proceedings-28th International PLEA Conference on Sustainable Architecture + Urban. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84886791036&partne rID=40&md5=7dad19d0939e610e8af602a0f8f1a784>

- Clifford, E. K. J., & Vineetha, K. (2025). Terms and conditions Privacy policy CLIMATE RESPONSIVE ARCHITECTURE: ENERGY REDUCTION IN HOT AND HUMID CLIMATE THROUGH PASSIVE STRATEGIES. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85184327602&partnerID=40&md5=932ef80dd93b5eed7e4381b38cb78fc>
- Graciella, J. C., Setyaningrum, N. N., & Hendri, Y. (n.d.). *EFEKTIVITAS PENCAHAYAAN ALAMI UNTUK PEMBELAJARAN VIRTUAL PADA LOKASI COLD 'N BREW DAN MELIPIR COFFEE DEMANGAN*.
- Grobman, Y. J., Austern, G., Hatiel, Y., & Capeluto, I. G. (2020). Evaluating the influence of varied external shading elements on internal daylight illuminances. *Buildings*, 10(2), 22. <https://doi.org/10.3390/buildings10020022>
- Htet, A., Liana, S. R., Rani, S. Y., & Bhaumik, A. (2023). The Effectiveness of Daylight Management in Building: A Review. *AIP Conference Proceedings*, 2854(1). <https://doi.org/10.1063/5.0162625>
- Haghani, M., & Place, W. (2023). Daylighting performance of an innovative Prismatic Vertical Louvers (PVLs) shading system incorporating Prismatic Materials (PMs). *Journal of Physics: Conference Series*, 2600(11), 112003. <https://doi.org/10.1088/1742-6596/2600/11/112003>
- Hidayatulloh, S., Kunci, K., Berkelanjutan, A., & Perkantoran, B. (2021). *KAJIAN PRINSIP ARSITEKTUR BERKELANJUTAN PADA BANGUNAN PERKANTORAN (STUDI KASUS: MENARA BCA JAKARTA)* (Vol. 18, Issue 1).
- Hong, Y., Mohamed, M. F., Yusoff, W. F. M., Yang, E., Li, J., Peng, F., & Yang, Q. (2026). Optimizing Thermal–Daylight Performance of South-Facing High-Rise Apartment Rooms Using Slat-Based Shading Devices in Tropical Regions. *Buildings*, 16(5). <https://doi.org/10.3390/buildings16051048>
- Jiang, C., Liang, X., Zhou, Y.C., Tian, Y., Xu, S., Lin, J.R., Ma, Z., Yang, S. dan Zhou, H., 2023. A Multilayer Perceptron-based Fast Sunlight Assessment for the Conceptual Design of Residential Neighborhoods under Chinese Policy.

Building and Environment, 244, p.110739.

<https://doi.org/10.1016/j.buildenv.2023.110739>

- Jung, S., & Kwon, C. (2018). Evaluation of visual comfort with daylighting levels using Daysim in different transparency and orientation in the UK. *International Journal of Sustainable Building Technology and Urban Development*, 9(4), 266–278. <https://doi.org/10.22712/susb.20180025>
- Kalaimathy, K., Gopalakrishnan, S., Shanthi Priya, R., Selvam, C., & Senthil, R. (2025). Daylighting Strategies for Low-Rise Residential Buildings Through Analysis of Architectural Design Parameters. *Architecture*, 5(4), 1–23. <https://doi.org/10.3390/architecture5040125>
- Kunwar, N., & Bhandari, M. (2020). A comprehensive analysis of energy and daylighting impact of window shading systems and control strategies on commercial buildings in the United States. *Energies*, 13(9), 2401. <https://doi.org/10.3390/en13092401>
- Kazanci, O. B., Reinhart, C. F., & Mardaljevic, J. (2018). Climate-based daylight modelling: Best practice and validation. *Solar Energy*, 173, 255–271. <https://doi.org/10.1016/j.solener.2018.08.082>
- Li, D. H. W., & Liu, R. (2020). Optimizing daylighting and energy performance in high-rise buildings: A review. *Energy and Buildings*, 210, 109776. <https://doi.org/10.1016/j.enbuild.2020.109776>
- Lin, B.-C., Kao, H.-J., & Tu, T.-W. (2026). Minimalist Housing as Environmental Intelligence: A Qualitative Cross-Case Study of Passive Environmental Potential. *Buildings*, 16(5), 1–20. <https://doi.org/10.3390/buildings16050890>
- Maurya, A. K., Kumar, R., & Kumar, A. (2024). Terms and conditions Privacy policy A Review on Passive Daylighting Systems in Buildings. In *Indian Journal of Environmental Protection* (Vol. 44, Issue 8). <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85207799174&partnerID=40&md5=9ab5465fc5b59a5229547d79be27bd4>
- Mohammed, A., Tariq, M. A. U. R., Ng, A. W. M., Zaheer, Z., Sadeq, S., Mohammed, M., & Mehdizadeh-Rad, H. (2022). Reducing the cooling loads

- of buildings using shading devices: A case study in Darwin. *Sustainability*, 14(7), 3775. <https://doi.org/10.3390/su14073775>
- Mardaljevic, J. (2018). Daylighting with climate-based data: Performance metrics and prediction methods. *Building and Environment*, 143, 191–202.
- Mousavi, S. M., Khan, T. H., & Lim, Y. W. (2018). Impact of Furniture Layout on Indoor Daylighting Performance in Existing Residential Buildings in Malaysia. *Journal of Daylighting*, 5, 1–13. <https://doi.org/10.15627/jd.2018.1>
- Ochoa, C. E., & Capeluto, I. G. (2009). Advice tool for early design stages of intelligent facades based on energy and visual comfort approach. *Energy and Buildings*, 41(5), 480–488. <https://doi.org/10.1016/j.enbuild.2008.11.015>
- Phuong, N. H., Nguyen, L. D. L., Nguyen, V. H. M., Cuong, V. V., Tuan, T. M., & Tuan, P. A. (2023). A New Approach in Daylighting Design for Buildings. *Engineering, Technology & Applied Science Research*, 13(4), 11344–11354. <https://doi.org/10.48084/etasr.5798>
- Ridwan, V. F., & Hasanuddin, H. A. (2024). The implementation of green building concepts using BIM and GIS: A case study of the department of chemical engineering building at campus 2 of Politeknik Negeri Ujung Pandang. *AIP Conference Proceedings*, 3140(1). <https://doi.org/10.1063/5.0221044>
- Standar Nasional Indonesia Konservasi energi pada sistem pencahayaan. (2020). [www.bsn.go.id](http://www.bsn.go.id)
- Sheikhi Nashalji, M., & Mehdizadeh Saradj, F. (2025). Measuring visual privacy: A systematic review of evaluation methods, conceptual definitions, and design strategies. *Buildings*, 15(10), 1606. <https://doi.org/10.3390/buildings15101606>
- Sultana, S., & Md, J. (2025). Optimising daylighting and energy performance in deep-plan tropical buildings: Uniform versus staggered lightwell configurations for multistory apartments. *Journal of Building Engineering*, 112. <https://doi.org/10.1016/j.jobe.2025.113753>

- Tabadkani, A., Roetzel, A., Li, H. X., & Tsangrassoulis, A. (2021). Daylight in buildings and visual comfort evaluation: The advantages and limitations. *Journal of Daylighting*, 8(2), 181–203. <https://doi.org/10.15627/jd.2021.16>
- Tregenza, P., & Mardaljevic, J. (2018). Daylighting buildings: Standards and the needs of the designer. *Lighting Research & Technology*, 50(1), 63–79.
- Tzempelikos, A., & Athienitis, A. K. (2018). Daylighting design and control strategies for energy efficient buildings. *Energy and Buildings*, 158, 1079–1091. <https://doi.org/10.1016/j.enbuild.2017.10.072>
- Wang, T. H., Huang, Y., & Park, J. (2022). Development of Daylight Glare Analysis Method Using an Integrated Parametric Modelling Approach: A 89 Comparative Study of Glare Evaluation Standards. *Buildings*, 12(11). <https://doi.org/10.3390/buildings12111810>
- Yan, H., Lu, L., Li, Y., & Cai, X. (2025). Multimodal generative adversarial networks for accelerated daylight prediction in residential buildings. *Journal of Building Engineering*, 112. <https://doi.org/10.1016/j.jobbe.2025.113946>
- Zheng, H., Wu, B., Wei, H., Yan, J., & Zhu, J. (2021). A quantitative method for evaluation of visual privacy in residential environments. *Buildings*, 11(7), 272. <https://doi.org/10.3390/buildings11070272>
- Zhao, M., Li, X., & Lin, B. (2021). Impact of daylighting on occupant comfort and building energy usage. *Journal of Building Performance Simulation*, 14(2), 200–214. <https://doi.org/10.1080/19401493.2020.1847963>