

- Adi, A. R., Suryabrata, J. A., & Pradipto, E. (2020). OPTIMIZING SHADING DEVICES THROUGH THE SHADING EFFECT OF SURROUNDING BUILDINGS. *DIMENSI (Journal of Architecture and Built Environment)*, 46(2), 79–86. <https://doi.org/10.9744/dimensi.46.2.79-86>
- Alfonso, D. (2012). *PERHITUNGAN INDEKS KONSUMSI ENERGI PADA SEBUAH GEDUNG PERKANTORAN DI JAKARTA SELATAN*.
- Al-Sanea, S. A., & Zedan, M. F. (2011). Improving thermal performance of building walls by optimizing insulation layer distribution and thickness for same thermal mass. *Applied Energy*, 88(9), 3113–3124. <https://doi.org/10.1016/j.apenergy.2011.02.036>
- Arief, Y. Z., Anak Sa-Or, S. S., Mubarakah, N., Izzwan Saad, M. H., & Eteruddin, H. (2020). Model of Grid-Connected PV System in Sarawak, Malaysia Rural Area. *2020 4rd International Conference on Electrical, Telecommunication and Computer Engineering (ELTICOM)*, 250–259. <https://doi.org/10.1109/ELTICOM50775.2020.9230485>
- ASHRAE, F. (2009). ASHRAE handbook. *ASHRAE, Atlanta*, 644.
- ASHRAE standard 90a-1980: Energy conservation in new building design—An updated version of ASHRAE 90-75. (1982). *Spec. Eng.; (United States)*, 47:2. <https://www.osti.gov/biblio/7032818>
- Becerik-Gerber, B., Siddiqui, M. K., Brilakis, I., El-Anwar, O., El-Gohary, N., Mahfouz, T., Jog, G. M., Li, S., & Kandil, A. A. (2014). Civil Engineering Grand Challenges: Opportunities for Data Sensing, Information Analysis, and Knowledge Discovery. *Journal of Computing in Civil Engineering*, 28(4), 04014013. [https://doi.org/10.1061/\(ASCE\)CP.1943-5487.0000290](https://doi.org/10.1061/(ASCE)CP.1943-5487.0000290)
- Bhatia, A. (n.d.). *Cooling Load Calculations and Principles*.
- Catalina, T., Virgone, J., & Iordache, V. (n.d.). *STUDY ON THE IMPACT OF THE BUILDING FORM ON THE ENERGY CONSUMPTION*.
- Chand, I., Bhargava, P. K., & Krishak, N. L. V. (1998). Effect of balconies on ventilation inducing aeromotive force on low-rise buildings. *Building and Environment*, 33(6), 385–396. [https://doi.org/10.1016/S0360-1323\(97\)00054-1](https://doi.org/10.1016/S0360-1323(97)00054-1)
- Chandra, M. S., Nandapala, K., Priyadarshana, G., & Halwatura, R. U. (2019). Developing a durable thermally insulated roof slab system using bamboo insulation panels. *International Journal of Energy and Environmental Engineering*, 10(4), 511–522. <https://doi.org/10.1007/s40095-019-0308-x>
- Cipta, H. (n.d.). *Dipublikasikan dan didistribusikan oleh Jurusan Teknik Mesin – Universitas Udayana, Kampus Bukit Jimbaran, Bali 80362, Indonesia*.

Emekci, Ş. (2021). Balcony: A remembered architectural element amid pandemic: Evidences from digital media. *IDEALKENT*. <https://doi.org/10.31198/idealkent.870385>

Eteruddin, H., Rahman, A., Halilintar, M. P., & Tanjung, A. (2021). Evaluasi Indeks Konsumsi Energi Listrik Di Rumah Sakit Islam Ibnu Sina Pekanbaru. *Jurnal Elektro dan Mesin Terapan*, Vol. 7 No. 2 (2021), 32–40. <https://doi.org/10.35143/elementer.v7i2.5173>

Evins, R., Dorer, V., & Carmeliet, J. (2014). Simulating external longwave radiation exchange for buildings. *Energy and Buildings*, 75, 472–482. <https://doi.org/10.1016/j.enbuild.2014.02.030>

Frontczak, M., & Wargocki, P. (2011). Literature survey on how different factors influence human comfort in indoor environments. *Building and Environment*, 46(4), 922–937. <https://doi.org/10.1016/j.buildenv.2010.10.021>

Gil-Lopez, T., & Gimenez-Molina, C. (2013). Environmental, economic and energy analysis of double glazing with a circulating water chamber in residential buildings. *Applied Energy*, 101, 572–581. <https://doi.org/10.1016/j.apenergy.2012.06.055>

Gulati, N. (2012). Cost effectiveness in hvac by building envelope optimization. *AUS*, 2012, 14–17. <https://doi.org/10.4206/aus.2012.n11-04>

Halwatura, R. U., & Jayasinghe, M. T. R. (2008). Thermal performance of insulated roof slabs in tropical climates. *Energy and Buildings*, 40(7), 1153–1160. <https://doi.org/10.1016/j.enbuild.2007.10.006>

Hamdani, M., Bekkouche, S. M. A., Cherier, M. K., Benamrane, N., & Benouaz, T. (2015). Orientation of Buildings: Predictive Control Based on the Calculation of Temperature and Solar Direct Contribution. *International Letters of Chemistry, Physics and Astronomy*, 55, 94–101. <https://doi.org/10.56431/p-lf555m>

Heinzerling, D., Schiavon, S., Webster, T., & Arens, E. (2013). Indoor environmental quality assessment models: A literature review and a proposed weighting and classification scheme. *Building and Environment*, 70, 210–222. <https://doi.org/10.1016/j.buildenv.2013.08.027>

Hernández-Pérez, I., Álvarez, G., Xamán, J., Zavala-Guillén, I., Arce, J., & Simá, E. (2014). Thermal performance of reflective materials applied to exterior building components—A review. *Energy and Buildings*, 80, 81–105. <https://doi.org/10.1016/j.enbuild.2014.05.008>

Holopainen, R., Tuomaala, P., Hernandez, P., Häkkinen, T., Piira, K., & Piippo, J. (2014). Comfort assessment in the context of sustainable buildings: Comparison of

- Hui, S. C. M. (n.d.). *Overall Thermal Transfer Value (OTTV): How to Improve Its Control in Hong Kong*.
- Hyll, C. (2012). *Infrared emittance of paper—Method development, measurements, and application*. <https://doi.org/10.13140/RG.2.1.3457.8965>
- Joshi, N., & Patki, P. (2022). Relationship of shading devices and its effects on daylight in Commercial buildings in Pune. *IOP Conference Series: Earth and Environmental Science*, 1084(1), 012079. <https://doi.org/10.1088/1755-1315/1084/1/012079>
- Kaushika, N. D., Tomar, R. K., & Kaushik, S. C. (2014). Artificial neural network model based on interrelationship of direct, diffuse and global solar radiations. *Solar Energy*, 103, 327–342. <https://doi.org/10.1016/j.solener.2014.02.015>
- Kennedy, R., Buys, L., & Miller, E. (2015). Residents' Experiences of Privacy and Comfort in Multi-Storey Apartment Dwellings in Subtropical Brisbane. *Sustainability*, 7(6), 7741–7761. <https://doi.org/10.3390/su7067741>
- Kisnarini, R., Krisdianto, J., & Indrawan, I. A. (2018). Contribution of balcony of *Rusunawa* Surabaya on the use of space. *IOP Conference Series: Earth and Environmental Science*, 213, 012039. <https://doi.org/10.1088/1755-1315/213/1/012039>
- Lam, J. C., & Hui, S. C. M. (1996). A review of building energy standards and implications for Hong Kong: An energy efficiency office was formed in Hong Kong in 1994 and represents the territory on the Asia Pacific Economic co-operation working group on regional energy co-operation. It is hoped this participation will enable Hong Kong to learn from the experience of other countries in the region. *Building Research & Information*, 24(3), 131–140. <https://doi.org/10.1080/09613219608727516>
- Lechner, N. (2001). *Heating, Cooling, Lighting: Design Methods for Architects*. Wiley. <https://books.google.co.id/books?id=3UyKWkxSTGcC>
- Lopez-Cabeza, V. P., Alzate-Gaviria, S., Diz-Mellado, E., Rivera-Gomez, C., & Galan-Marin, C. (2022). Albedo influence on the microclimate and thermal comfort of courtyards under Mediterranean hot summer climate conditions. *Sustainable Cities and Society*, 81, 103872. <https://doi.org/10.1016/j.scs.2022.103872>
- Mallick, F. H. (n.d.). *Thermal comfort and building design in the tropical climates*.
- Miezis, M., Zvaigznitis, K., Stancioff, N., & Soeftestad, L. (2016). Climate Change and Buildings Energy Efficiency – the Key Role of Residents. *Environmental and Climate Technologies*, 17(1), 30–43. <https://doi.org/10.1515/rtuct-2016-0004>

Mintorogo, D. S. (2021). STRATEGI DAYLIGHTING PADA BANGUNAN MULTI-LANTAI DI ATAS DAN DI BAWAH PERMUKAAN TANAH. *DIMENSI (Journal of Architecture and Built Environment)*, 27(1). <https://doi.org/10.9744/dimensi.27.1.%p>

Mirabi, E., & Nasrollahi, N. (2019). Balcony Typology and Energy performance in Residential Buildings. *International Journal of Engineering and Technical Research (IJETR)*, 9(12). <https://doi.org/10.31873/IJETR.9.12.40>

Mohamed, M. F., Prasad, D., King, S., & Hirota, K. (2009). *The Impact of Balconies on Wind Induced Ventilation of Single- sided Naturally Ventilated Multi-storey Apartment*.

Nabil, A., & Mardaljevic, J. (2006). Useful daylight illuminances: A replacement for daylight factors. *Energy and Buildings*, 38(7), 905–913. <https://doi.org/10.1016/j.enbuild.2006.03.013>

Omrani, S., Garcia-Hansen, V., Capra, B. R., & Drogemuller, R. (2017). On the effect of provision of balconies on natural ventilation and thermal comfort in high-rise residential buildings. *Building and Environment*, 123, 504–516. <https://doi.org/10.1016/j.buildenv.2017.07.016>

Prasetya, A., Ho, A. D., & Kubota, T. (2023). Analysis of Typical Layout of Apartment Buildings in Indonesia. *Buildings*, 13(6), 1387. <https://doi.org/10.3390/buildings13061387>

Ribeiro, C., Ramos, N. M. M., & Flores-Colen, I. (2020). A Review of Balcony Impacts on the Indoor Environmental Quality of Dwellings. *Sustainability*, 12(16), 6453. <https://doi.org/10.3390/su12166453>

Sari, L. H., & Rauzi, E. N. (2021). An evaluation of shading device in tropics utilising the sun-path diagram. *ARTEKS: Jurnal Teknik Arsitektur*, 6(3), 373–382. <https://doi.org/10.30822/arteks.v6i3.877>

Sari, W. E., Gunawan, Y., Ariningsih, P. K., & Andoni, H. (2022). PENGARUH WARNA DAN TEKSTUR PADA RUANG TERHADAP PERSEPSI TERMAL SECARA ADAPTIF DENGAN TEKNOLOGI VIRTUAL REALITY. *MODUL*, 22(1), 42–50. <https://doi.org/10.14710/mdl.22.1.2022.42-50>

Solano, J. C., Caamaño-Martín, E., Olivieri, L., & Almeida-Galárraga, D. (2021). HVAC systems and thermal comfort in buildings climate control: An experimental case study. *Energy Reports*, 7, 269–277. <https://doi.org/10.1016/j.egyr.2021.06.045>

Srhayri, I., Hafs, H., & Bah, A. (2022). Effect analysis of U-shape exterior walls on energy consumption of building: The case of Morocco. *International Journal of Air-Conditioning and Refrigeration*, 30(1), 7. <https://doi.org/10.1007/s44189-022-00007-3>

- Smayri, I., Hafs, H., & Bah, A. (2023). Effect of U-shape external wall on heat transfer coefficients and building performances. *International Journal of Air-Conditioning and Refrigeration*, 31(1), 3. <https://doi.org/10.1007/s44189-023-00019-7>
- Surahman, U., Hartono, D., Setyowati, E., & Jurizat, A. (2022). Investigation on household energy consumption of urban residential buildings in major cities of Indonesia during COVID-19 pandemic. *Energy and Buildings*, 261, 111956. <https://doi.org/10.1016/j.enbuild.2022.111956>
- Surahman, U., Maknun, J., & Krisnanto, E. (2017). Survey on household energy consumption of public apartments in Bandung City, Indonesia. *IPTEK Journal of Proceedings Series*, 0(3). <https://doi.org/10.12962/j23546026.y2017i3.2449>
- Tedjokoemo, P. E. D. (2014). Balcony and Jalousi Effectiveness Review to Promote Daylight in Interior for Tropical Country. *Dimensi Interior*, 12(1), 51–56. <https://doi.org/10.9744/interior.12.1.51-56>
- Theraja, B. (2005). *A Textbook of Electrical Technology—Volume I (Basic Electrical Engineering)*. S. Chand Limited. <https://books.google.co.id/books?id=KfWpQf5zFDEC>
- U.S. Department of Energy. (2021). *EnergyPlus™ Version 9.6.0 Documentation; Input Output Reference*.
- Utama, A., & Gheewala, S. H. (2008). Life cycle energy of single landed houses in Indonesia. *Energy and Buildings*, 40(10), 1911–1916. <https://doi.org/10.1016/j.enbuild.2008.04.017>
- Vijayalaxmi, J. (2010). Concept of Overall Thermal Transfer Value (OTTV) in Design of Building Envelope to Achieve Energy Efficiency. *International Journal of Thermal and Environmental Engineering*, 1(2), 75–80. <https://doi.org/10.5383/ijtee.01.02.003>
- Voss, K. (2000). Solar energy in building renovation—Results and experience of international demonstration buildings. *Energy and Buildings*, 32(3), 291–302. [https://doi.org/10.1016/S0378-7788\(00\)00052-9](https://doi.org/10.1016/S0378-7788(00)00052-9)
- Wall, M. (n.d.). *Climate and Energy Use in Glazed Spaces*.
- Wang, J., Zhai, Z. (John), Jing, Y., & Zhang, C. (2011). Influence analysis of building types and climate zones on energetic, economic and environmental performances of BCHP systems. *Applied Energy*, 88(9), 3097–3112. <https://doi.org/10.1016/j.apenergy.2011.03.016>
- Wen, J., Ignatius, M., & Wong, N. H. (2022). A prediction model for fast evaluation of reflective glare from surrounding buildings. *Solar Energy*, 243, 279–299. <https://doi.org/10.1016/j.solener.2022.07.041>

Wilson, M. P., Jorgensen, O. B., & Johannesen, G. (2000). Daylighting, energy and glazed balconies: A study of a refurbishment project in Engelsby, near Flensburg, Germany. *Lighting Research and Technology*, 32(3), 127–132. <https://doi.org/10.1177/096032710003200304>

Wing Chau, K., Kei Wong, S., & Yim Yiu, C. (2004). The value of the provision of a balcony in apartments in Hong Kong. *Property Management*, 22(3), 250–264. <https://doi.org/10.1108/02637470410545020>

Xiao, Y., Zhang, T., Liu, Z., & Fukuda, H. (2023). Thermal performance study of low-e glass Trombe wall assisted with the temperature-controlled ventilation system in Hot-Summer/Cold-Winter Zone of China. *Case Studies in Thermal Engineering*, 45, 102882. <https://doi.org/10.1016/j.csite.2023.102882>

Zhang, H., Pan, Y., & Wang, L. (2017). Influence of plan shapes on annual energy consumption of residential buildings. *International Journal of Sustainable Development and Planning*, 12(07), 1178–1191. <https://doi.org/10.2495/SDP-V12-N7-1178-1191>