

DAFTAR PUSTAKA

- [1] iso.org, "Iso 50001 Energy Management System," *When Recognit. matters WHITEPAPER*, pp. 1–12, 2018, [Online]. Available: <https://www.iso.org/files/live/sites/isoorg/files/store/en/PUB100400.pdf>.
- [2] Balai Besar Teknologi Konversi Energi B2TKE-BPPT, "Benchmarking Specific Energy Consumption Di Bangunan Komersial," 2020, [Online]. Available: www.b2tke.bppt.go.id.
- [3] V. Pujani, A. Pawawoi, F. Akbar, and R. Nazir, "An electric energy reduction model for campus using the method of controlling energy consumptions," pp. 411–419, 2020, doi: 10.12720/sgce.9.2.411-419.
- [4] SNI 03-2396-2001, *Tata cara perancangan sistem pencahayaan alami pada bangunan gedung*. 2001.
- [5] et al. Ismail, Tuan Noor Hasanah Tuan, "MALAYSIAN CONSTRUCTION RESEARCH Engineering Technology International Conference 2020 (ETIC 2020)," *Exp. Study Strength Perform. Soil Reinf. With Coconut Fibre Panchor–Muar Road. Malaysian Constr. Res. J.*, vol. 13, no. MCRJ Special Issue, pp. 43–52, 2021, [Online]. Available: California bearing ratio; coconut fibre; laterite soil; soil reinforcement.
- [6] N. Nurhaiza and N. P. Lisa, "Optimalisasi Pencahayaan Alami pada Ruang," *J. Arsitekno*, vol. 7, no. 7, p. 32, 2019, doi: 10.29103/arj.v7i7.1234.
- [7] N. Jamala and A. N. Wika, "Analisis Intensitas Pencahayaan Alami Pada Ruang Pertemuan Di Gedung Cot Fakultas Teknik Gowa Universitas Hasanuddin," pp. 1–173, 2017.
- [8] V. Pujani, F. Akbar, and R. Nazir, "Management review of energy consumption: The energy saving opportunity in university buildings," *ACM Int. Conf. Proceeding Ser.*, pp. 110–116, 2019, doi: 10.1145/3364335.3364390.
- [9] A. Kaminska, "Impact of building orientation on daylight availability and energy savings potential in an academic classroom," *Energies*, vol. 13, no. 18, 2020, doi: 10.3390/en13184916.
- [10] A. M. Qahtan, D. A. Ebrahim, and H. M. Ahmed, "Energy-Saving Potential of Daylighting in the Atria of Colleges in Najran University, Saudi Arabia," *Int. J. Built Environ. Sustain.*, vol. 7, no. 1, pp. 47–55, 2019, doi: 10.11113/ijbes.v7.n1.421.
- [11] M. Papinutto *et al.*, "Saving energy by maximising daylight and minimising the impact on occupants: An automatic lighting system approach," *Energy Build.*, vol. 268, p. 112176, 2022, doi: 10.1016/j.enbuild.2022.112176.
- [12] A. M. Al-Ghaili, H. Kasim, N. M. Al-Hada, M. Othman, and M. A. Saleh, "A Review: Buildings Energy Savings - Lighting Systems Performance," *IEEE Access*, vol. 8, pp. 76108–76119, 2020, doi: 10.1109/ACCESS.2020.2989237.
- [13] H. J. Han *et al.*, "An advanced lighting system combining solar and an artificial light source for constant illumination and energy saving in buildings," *Energy Build.*, vol. 203, 2019, doi:

- 10.1016/j.enbuild.2019.109404.
- [14] A. Kaminska and A. Ozadowicz, "Lighting control including daylight and energy efficiency improvements analysis," *Energies*, vol. 11, no. 8, 2018, doi: 10.3390/en11082166.
- [15] Direktorat Konservasi Energi, "Data & Informasi Konservasi Energi 2020," pp. 1–70, 2020, [Online]. Available: [https://simebtke.esdm.go.id/sinergi/assets/content/20210416125943_FINAL_Design_Buku_ESDM_2020_\(21102020\).pdf](https://simebtke.esdm.go.id/sinergi/assets/content/20210416125943_FINAL_Design_Buku_ESDM_2020_(21102020).pdf).
- [16] F. Mulyani, H. Suyono, and N. Hasanah, "Audit dan Rancangan Implementasi Sistem Manajemen Energi berbasis ISO 50001 di Universitas Brawijaya Malang," *Eeccis*, vol. 12, no. 2. pp. 78–84, 2018.
- [17] L. A. Utari, "STUDI POTENSI PEREDUKSIAN KONSUMSI ENERGI LISTRIK PADA SISTEM PENERANGAN KONDISI SAAT INI DAN BERDASARKAN SNI 03-6197-2000 MELALUI PENGGUNAAN TEKNOLOGI LAMPU LED (STUDI KASUS GEDUNG JURUSAN TEKNIK ELEKTRO UNIVERSITAS ANDALAS)," Andalas University, 2018.
- [18] M. D. Pangestu, "Pencahayaannya Alami Dalam Bangunan," p. 250, 2019.
- [19] F. G. Becker *et al.*, *Heating Cooling Lighting*, vol. 7, no. 1. 2015.
- [20] Y. W. Lim and M. H. Ahmad, "The effects of direct sunlight on light shelf performance under tropical sky," *Indoor Built Environ.*, vol. 24, no. 6, pp. 788–802, 2015, doi: 10.1177/1420326X14536066.
- [21] S. N. Kamaruzzaman, R. Edwards, E. M. A. Zawawi, and A. I. Che-Ani, "Achieving energy and cost savings through simple daylighting control in tropical historic buildings," *Energy Build.*, vol. 90, pp. 85–93, 2015, doi: 10.1016/j.enbuild.2014.12.045.
- [22] Badan Standarisasi Nasional, "Konservasi Energi Pada Sistem Pencahayaannya," *Standar Nasional Indonesia*, 2020. <https://akses-sni.bsn.go.id/viewsni/baca/8069>.
- [23] E. Juliani, "Studi Pola Kebutuhan Konsumsi Energi Listrik Ideal Harian dengan Berbagai Macam Aktivitas di Gedung Perkuliahan Universitas Andalas," Universitas Andalas, 2019.
- [24] Whitecroft Lighting, "LED & Maintenance Factors," 2012, [Online]. Available: <http://www.whitecroftlighting.com/images/whitecroft/attachments/Brochures/LED Maintenance Factors.pdf>.
- [25] I. M. Yuliara, "Modul Regresi Linier Sederhana," *Univ. Udayana*, pp. 1–10, 2016, [Online]. Available: https://simdos.unud.ac.id/uploads/file_pendidikan_1_dir/3218126438990fa0771ddb555f70be42.pdf.
- [26] F. I. Dwinata, I. N. P. Permanasari, and M. Y. Darmawan, "Aplikasi Sensor Cahaya Bh1750 Sebagai Sistem Pendeteksi Longsor Berbasis Pergeseran Tanah," *J. Sci. Appliactive Technol.*, vol. xx, no. xx, pp. 1–8, 2019, doi: 10.35472/x0xx0000.
- [27] Arduino.cc, "Arduino Mega 2560 Rev3." <https://store-usa.arduino.cc/products/arduino-mega-2560-rev3> (accessed Sep. 09, 2022).
- [28] X. Yu, Y. Su, and X. Chen, "Application of RELUX simulation to investigate energy saving potential from daylighting in a new educational

- building in UK,” *Energy Build.*, vol. 74, pp. 191–202, 2014, doi: 10.1016/j.enbuild.2014.01.024.
- [29] P. Ihm, A. Nemri, and M. Krarti, “Estimation of lighting energy savings from daylighting,” *Build. Environ.*, vol. 44, no. 3, pp. 509–514, 2009, doi: 10.1016/j.buildenv.2008.04.016.
- [30] M. Krarti, P. M. Erickson, and T. C. Hillman, “A simplified method to estimate energy savings of artificial lighting use from daylighting,” *Build. Environ.*, vol. 40, no. 6, pp. 747–754, 2005, doi: 10.1016/j.buildenv.2004.08.007.
- [31] “No Title,” *CIE Home Page*. <http://cie.co.at/publications/cie-standard-overcast-sky-and-clear-sky> (accessed Nov. 24, 2022).
- [32] X. Yu and Y. Su, “Daylight availability assessment and its potential energy saving estimation -A literature review,” *Renew. Sustain. Energy Rev.*, vol. 52, pp. 494–503, 2015, doi: 10.1016/j.rser.2015.07.142.
- [33] K. Alshaibani, “Average daylight factor for the ISO/CIE Standard General Sky,” *Light. Res. Technol.*, vol. 48, no. 6, pp. 742–754, 2016, doi: 10.1177/1477153515572939.
- [34] J. Y. Suk and K. Kensek, “Difference between Daylight Factor (overcast sky) and Daylight Availability (clear sky) in Computer-based Daylighting Simulations,” *J. Creat. Sustain. Archit. Built Environ.*, no. June 2014, 2011.
- [35] M. S. Abdul Wahab and N. A. Ramli, “Lighting Control System for Energy Management System and Energy Efficiency Analysis,” *J. Phys. Conf. Ser.*, vol. 1529, no. 5, 2020, doi: 10.1088/1742-6596/1529/5/052022.
- [36] R. Delvaeye, W. Ryckaert, L. Stroobant, P. Hanselaer, R. Klein, and H. Breesch, “Analysis of energy savings of three daylight control systems in a school building by means of monitoring,” *Energy Build.*, vol. 127, pp. 969–979, 2016, doi: 10.1016/j.enbuild.2016.06.033.

