

DAFTAR PUSTAKA

- [1] S. N. Indonesia, “Tata cara perancangan sistem ventilasi dan pengkondisian udara pada bangunan gedung .,” pp. 1–55, 2001.
- [2] W. D. Sanjaya, “Analisis Pengaruh Penggunaan Energi Terhadap Output Produksi Industri Besar dan Sedang di Jawa Tengah,” 2018.
- [3] G. B. C. Indonesia, “Studi IFC dan GBC Indonesia: Bangunan Gedung Hijau 30-80% Lebih Hemat Air & Listrik,” 2019.
[https://blog.gbcindonesia.org/studi-ifc-dan-gbc-indonesia-bangunan-gedung-hijau-30-80-lebih-hemat-air-listrik.html#:~:text=Bangunan dan gedung di Indonesia,konsumsi energi pada tahun 2030. \(accessed Jul. 08, 2020\).](https://blog.gbcindonesia.org/studi-ifc-dan-gbc-indonesia-bangunan-gedung-hijau-30-80-lebih-hemat-air-listrik.html#:~:text=Bangunan dan gedung di Indonesia,konsumsi energi pada tahun 2030. (accessed Jul. 08, 2020).)
- [4] “Southeast Asia Energy Outlook 2017,” *Southeast Asia Energy Outlook 2017*, no. October, 2017, doi: 10.1787/9789264285576-en.
- [5] E. I. Samuel, E. Joseph-Akwara, and A. Richard, “Assessment of energy utilization and leakages in buildings with building information model energy,” *Front. Archit. Res.*, vol. 6, no. 1, pp. 29–41, 2017, doi: 10.1016/j.foar.2017.01.002.
- [6] P. Y. Chen, S. T. Chen, C. S. Hsu, and C. C. Chen, “Modeling the global relationships among economic growth, energy consumption and CO2 emissions,” *Renew. Sustain. Energy Rev.*, vol. 65, pp. 420–431, 2016, doi: 10.1016/j.rser.2016.06.074.
- [7] M. R. Dhia and W. Iyati, “Peluang Konservasi Energi pada Gedung Teknik Industri Fakultas Teknik Universitas Brawijaya,” 2019.
- [8] D. Teknik *et al.*, “Audit Energi pada Gedung Departemen Teknik Arsitektur dan Perencanaan FT UGM,” pp. 101–105, 2017.
- [9] G. B. C. Indonesia, “EEC for New Building.”

<https://bangunanhijau.com/gb/new-building2-0-green-building/eec-nb/>
(accessed Jul. 08, 2020).

- [10] GreenmetricUI, “List of Universities in Each Country,” *UI GreenMetric*, 2019. <https://greenmetric.ui.ac.id/ranking-by-region-2019/> (accessed Feb. 10, 2020).
- [11] R. Iskandar, “Perancangan Basis Data Relasional Dinas Kesehatan Kota Sabang,” Universitas Gadjah Mada, 2016.
- [12] M. Arslan, “Berbagai Peran di Dalam Tim Proyek IT,” 2017. .
- [13] M. Molina-Solana, M. Ros, M. D. Ruiz, J. Gómez-Romero, and M. J. Martin-Bautista, “Data science for building energy management: A review,” *Renew. Sustain. Energy Rev.*, vol. 70, pp. 598–609, 2017, doi: 10.1016/j.rser.2016.11.132.
- [14] K. Mccusker, “Measuring, Managing and Visualizing Building Energy Consumption & Carbon Emissions: Benchmarking at the University of Massachusetts Amherst,” *Sustain. UMass*. 7, 2013, [Online]. Available: <https://scholarworks.umass.edu/csi/7%0AThis>.
- [15] C. University, “Campus Energy Information Database.” <https://apps.carleton.edu/sustainability/campus/data/reports/> (accessed Jun. 03, 2020).
- [16] Facilities & Operation Campus Services, “Energy Management Overview,” *Cornell University*, 2013. <https://fcs.cornell.edu/departments/energy-sustainability/energy-management-overview> (accessed Jan. 18, 2021).
- [17] H. Rashid, P. Singh, and A. Singh, “Data descriptor: I-BLEND, a campus-scale commercial and residential buildings electrical energy dataset,” *Sci. Data*, vol. 6, pp. 1–12, 2019, doi: 10.1038/sdata.2019.15.
- [18] F. & O. O. of C. Sustainability, “Building Energy Data,” *University of Michigan*, 2020. <https://ocs.umich.edu/resources/sustainability->

data/building-energy-data/ (accessed Jan. 18, 2021).

- [19] T. U. of B. Columbia, “Energy and Water Data,” 2021. <https://energy.ubc.ca/energy-and-water-data/ion-system/> (accessed Jan. 18, 2021).
- [20] S. A. Kim, D. Shin, Y. Choe, T. Seibert, and S. P. Walz, “Integrated energy monitoring and visualization system for Smart Green City development: Designing a spatial information integrated energy monitoring model in the context of massive data management on a web based platform,” *Autom. Constr.*, vol. 22, pp. 51–59, 2012, doi: 10.1016/j.autcon.2011.07.004.
- [21] W. Paulina and W. R. HO, “The Application of Web Geographic Information System (Web GIS) in Students’ Smart Learning on a Smart Green Campus,” 2020.
- [22] J. G. Chilela, “Web Geographic Information Systems (Webgis) for Smart Campus and Facility Management,” University of Coimbra, 2016.
- [23] K. Gobakis, A. Mavrigiannaki, K. Kalaitzakis, and D. D. Kolokotsa, “Design and development of a Web based GIS platform for zero energy settlements monitoring,” *Energy Procedia*, vol. 134, pp. 48–60, 2017, doi: 10.1016/j.egypro.2017.09.598.
- [24] G. B. C. Indonesia, “Rating Tools,” 2020. <https://www.gbcindonesia.org/greenship> (accessed Jun. 03, 2020).
- [25] GreenmetricUI, “No Title,” 2019. <https://greenmetric.ui.ac.id/ranking-by-region-2019/> (accessed Feb. 10, 2019).
- [26] D. Malay, G. Zhonghua, P. Deo, and L. Fengting, “Greening universities toolkit: Transforming universities into Green and Sustainable Campuses: A Toolkit for Implementers,” *UNEP*, p. 93, 2014, [Online]. Available: <https://www.unenvironment.org/resources/toolkits-manuals-and-guides/greening-universities-toolkit-v20>.

- [27] AASHE, “STARS Technical Manual Version 2.2,” no. June, pp. 1–322, 2019, [Online]. Available: <https://stars.aashe.org/wp-content/uploads/2019/07/STARS-2.2-Technical-Manual.pdf>.
- [28] L. C. Felius, J. J. Lamb, F. Dessen, and B. D. Hrynyszyn, “LEED v4.1 Building Design and Construction,” *Energy-Smart Build.*, 2020, doi: 10.1088/978-0-7503-3259-0ch3.
- [29] M. A. Drs. Kandi and M. P. Drs. Yamin Winduono, *Energi dan Perubahannya*. Bandung: Pusat Pengembangan dan Pemberdayaan Pendidik dan Tenaga Kependidikan Ilmu Pengetahuan Alam (, 2012.
- [30] S. N. Indonesia and B. S. Nasional, “Prosedur audit energi,” 2011.
- [31] ASHRAE, “ASHRAE Standard 90.1-2019 Energy Standard for Buildings Except Low-Rise Residential Buildings,” Atlanta, 2019.
- [32] CIBSE, “What’s so special about Building Services Engineering?” <https://www.cibse.org/building-services/what-s-so-special-about-building-services-engineer> (accessed Jul. 23, 2020).
- [33] Presiden Republik Indonesia, “Peraturan Pemerintah Nomor 36 Tahun 2005,” 2005.
- [34] K. E. dan S. D. M. R. Indonesia, “Handbook of energy & economic statistics of indonesia,” 2018.
- [35] A. Sugiyono, F. Anindhita, I. Fitriana, L. Ode, and M. Abdul, *Outlook Energi Indonesia 2019: Dampak Peningkatan Pemanfaatan Energi Baru Terbarukan Terhadap Perekonomian Nasional*, no. December. 2019.
- [36] F. Firdaus, “Jejak Karbon Sektor Energi D.I.Yogyakarta dan Rekomendasi Jumlah Pohon yang Harus Ditanam untuk Reduksi Emisi Gas CO₂,” *AJIE-Asian J. Innov. Entrep.*, vol. 04, no. 1, pp. 23–30, 2019.
- [37] A. Karapetsis and E. Alexandri, “Indoor Environmental Quality and its Impacts on Health – Case Study : School Buildings,” 2016.

- [38] ASHRAE, “ASHRAE Standard 55-2010 Thermal Environmental Conditions for Human Occupancy,” Atlanta, 2010. doi: 10.1007/0-387-26336-5_1680.
- [39] D. P. Umum, “Standar Tata Cara Perencanaan Teknis Konservasi Energi Pada Bangunan Gedung,” Bandung, 1993.
- [40] A. W. Putri, “Assessment Kenyamanan Termal di Gedung Perpustakaan Fakultas Teknik Universitas Gadjah Mada,” Universitas Gadjah Mada, 2020.
- [41] E. Kencanawati, “Desain Awal User Interface untuk Building Environment Monitoring System (BEMS) di Departemen Teknik Nuklir dan Teknik Fisika FT-UGM,” Universitas Gadjah Mada, 2016.
- [42] S. N. Indonesia and B. S. Nasional, “Konservasi energi pada sistem pencahayaan,” 2000.
- [43] T. Chandra and A. R. Z. Amin, “Simulasi Pencahayaan Alami dan Buatan dengan Ecotect Radiance Pada Studio Gambar,” *Arsit. KOMPOSISI*, vol. 10, no. 3, pp. 171–182, 2013.
- [44] M. D. Egan, *Architctural Acoustics Workbook*. Massaschusetts: The Robert Braford Newman Student Award Fund, 2000.
- [45] S. N. Indonesia and B. S. Nasional, “Spesifikasi Tingkat Bunyi dan Waktu Dengung Dalam Bangunan Gedung dan Perumahan (Kriteria Desain yang Direkomendasikan),” pp. 1–16, 2000.
- [46] E. D. Magdalena and L. Tondobala, “Implementasi Konsep Zero Energy Building (ZEB) dari Pendekatan Eco-Friendly Pada Rancangan Arsitektur,” vol. 13, no. 1, pp. 1–15, 2016.
- [47] G. Provinsi, D. Khusus, and I. Jakarta, “Peraturan Gubernur Provinsi Daerah Khusus Ibukota Jakarta,” 2012.
- [48] S. N. Indonesia, “Konservasi energi sistem tata udara pada bangunan gedung,” 2011.

- [49] B. Wahyudi, A. Munir, and M. Afifuddin, "Evaluasi Nilai OTTV Gedung IGD R.S. Meuraxa Banda Aceh," *J. Tek. Sipil Univ. Syiah Kuala*, vol. 1, pp. 781–798, 2018.
- [50] W. PURBA, "Analisis Performa Termal Selubung Bangunan Gedung Sinarmas Fakultas Biologi UGM Berdasarkan OTTV dan ETTV," Universitas Gadjah Mada, 2018.
- [51] Badan Standarisasi Nasional, "SNI 03-6389-2000 Konservasi Energi Selubung Bangunan pada Bangunan Gedung," *SNI 03-6389-2000 Konserv. energi selubung bangunan pada bangunan gedung*, no. April 2001, pp. 1–39, 2000.
- [52] Y. R. N. Rizky, A. L. Nugraha, and A. P. Wijaya, "Aplikasi Sistem Informasi Geografis Berbasis Web Untuk Persebaran Sekolah Menengah Atas," *J. Geod. Undip*, vol. 4, pp. 172–182, 2015.
- [53] A. W. Nirwansyah, *Dasar Sistem Informasi Geografi dan Aplikasinya Menggunakan ARCGIS 9.3*, no. May. Yogyakarta: Deepublish, 2017.
- [54] M. Shalahuddin and R. A. Sukamto, "Rekayasa Perangkat Lunak Sistem," vol. 2, no. 1, pp. 81–90, 2019.
- [55] H. Ramadhani, M. Awaluddin, and A. Nugraha, "Aplikasi Webgis untuk Informasi Persebaran Sekolah Menengah Atas Dan Madrasah Aliyah Di Kabupaten Kudus Menggunakan Here Map API," *J. Geod. Undip*, vol. 5, no. 1, pp. 164–173, 2016.
- [56] M. Fahreza, "Sistem Informasi Konsumsi Energi Pada Bangunan Menggunakan Basis Data Geospasial," Universitas Gadjah Mada, 2017.
- [57] Cambridge Advanced, "Cambridge International AS & A Level Information Technology," 2017.
- [58] A. C. Appraisal, O. F. The, and T. Industry, "Evolving Roles of a System Analyst in the Contemporary Society for Organizational Growth," no.

August, 2018.

- [59] A. Watt, *Database Design - 2nd Edition*, 2nd Editio. Creative Commons Attribution 4.0 International License, 2012.
- [60] C. Learning and A. R. Reserved, *Database Systems (9th Edition)*. 2010.
- [61] P. P. S. Chen, “The Entity-Relationship Model—toward a Unified View of Data,” *ACM Trans. Database Syst.*, vol. 1, no. 1, pp. 9–36, 1976, doi: 10.1145/320434.320440.
- [62] G. C. Everest, “Basic Data Structure Models Explained With A Common Example,” in *Proceedings Fifth Texas Conference on Computing Systems*, 1976, no. August, pp. 18–19.
- [63] D. T. Halpin, “UML data models from an ORM perspective: Part 1,” *J. Concept. Model.*, vol. 8, pp. 1–12, 1998.
- [64] M. Perkuliahan, “Perancangan Basis Data,” *Penerbit Andi, Yogyakarta*, 2016.
- [65] T. P. G. D. Group, “Postgre SQL: Documentatio: 9.5: Data Types.” <https://www.postgresql.org/docs/9.5/datatype.html> (accessed Jan. 11, 2021).
- [66] I. P. Bogor, “Naskah Akademik dan Perencanaan Implementasi Green Campus IPB,” I. P. Bogor, Ed. Bogor: Institut Pertanian Bogor, 2019.
- [67] S. Sisriany and I. S. Fatimah, “Green Campus Study by using 10 UNEP’s Green University Toolkit Criteria in IPB Dramaga Campus,” *IOP Conf. Ser. Earth Environ. Sci.*, vol. 91, no. 1, pp. 0–7, 2017, doi: 10.1088/1755-1315/91/1/012037.
- [68] G. Indonesia, “Rating Tools,” 2029. .
- [69] G. Indonesia, “Greenship Existing Building (EB),” 2016.
- [70] GBCI, “Greenship Rating Tools Greenship untuk Gedung Baru,” no. April, 2012, [Online]. Available: <http://www.gbcindonesia.org/faq-rating/9-go->

green/greenship.

- [71] Green Building Council Indonesia, “Greenship Existing Building Version 1.1,” pp. 6–10, 2016.
- [72] R. A. Satria and S. Ars, “Evaluasi Performa Desain Selubung Bangunan Rumah Tinggal,” 2017.
- [73] M. A. Putri and W. A. Asmoro, “Analisa Insulasi Kebisingan Interior pada LRT Palembang Berdasarkan Nilai Sound Transmission Class,” *J. Tek. ITS*, vol. 8, no. 1, pp. 1–6, 2019.
- [74] I. B. E. E. Taskroup, “Zero Energy Building Definitions and Policy Activity,” p. 40, 2018.
- [75] D. Cahyani;, Y. Kusdinar;, and R. Mardiana, “Kenyamanan Termal Pada Sarana Olahraga,” *J. Kepeatihan Olahraga*, vol. 10, no. 2, pp. 26–32, 2017.
- [76] L. T. Graham, T. Parkinson, S. Schiavon, and L. T. Graham, “Where do we go now ? Lessons learned from 20 years of CBE ’ s Occupant Survey,” *CBE Rep.*, pp. 1–23, 2020.
- [77] BSN, “Peraturan Kepala Badan Standardisasi Nasional Nomor 1 tahun 2011 tentang Pedoman Standardisasi Nasional Nomor 301 Tahun 2011 tentang Pedoman Pemberlakuan Standar Nasional Indonesia Secara Wajib,” pp. 1–28, 2011.
- [78] P. J. Carreira, P. Domingues, P. Carreira, R. Vieira, and W. Kastner, “Building Automation Systems : Concepts and Technology Review Computer Standards & Interfaces Building automation systems : Concepts and technology review,” *Comput. Stand. Interfaces*, vol. 45, no. December 2017, pp. 1–12, 2015, doi: 10.1016/j.csi.2015.11.005.
- [79] Q. T. Review, “Quadrennial Technology Review An Assessment Of Energy Technologies And Research Chapter 5 : Increasing Efficiency of Building,” no. September, 2015.

- [80] F. Farmanto, “Manajemen Energi Listrik Berbasis Web Pada Gedung A Fakultas Teknik Universitas Lampung,” *Fak. Tek. Univ. Lampung*, 2019.
- [81] A. Z. M. Raden, “Custom Typefaces Pada Web Menggunakan Embedding Font,” *J. Desain*, vol. 3, no. 2, pp. 97–106, 2016, [Online]. Available: http://journal.lppmunindra.ac.id/index.php/Jurnal_Desain/article/view/609/582.
- [82] W. Swasty and A. R. Adriyanto, “Does Color Matter on Web User Interface Design,” *CommIT (Communication Inf. Technol. J.)*, vol. 11, no. 1, p. 17, 2017, doi: 10.21512/commit.v11i1.2088.
- [83] T. Curah, H. Di, and P. Jawa, “Analisis Pengaruh Fenomena Indian Ocean Dipole (Iod) Terhadap Curah Hujan Di Pulau Jawa,” *J. Geod. Undip*, vol. 7, no. 1, pp. 57–67, 2018.