

DAFTAR PUSTAKA

- [1] Z. Li, J. Ma, Q. Wang, M. Wang, and F. Jiang, “Enhancing urban solar irradiation prediction with shadow-attention graph neural networks: Implications for net-zero energy buildings in New York City,” *Sustain. Cities Soc.*, vol. 120, p. 106133, Feb. 2025, doi: 10.1016/j.scs.2025.106133.
- [2] United Nations Environment Programme, “2023 Global Status Report for Buildings and Construction: Beyond foundations - Mainstreaming sustainable solutions to cut emissions from the buildings sector,” United Nations Environment Programme, Mar. 2024. doi: 10.59117/20.500.11822/45095.
- [3] J. M. Cole, “Data-Driven Molecular Engineering of Solar-Powered Windows,” *Comput. Sci. Eng.*, vol. 20, no. 1, pp. 84–87, Jan. 2018, doi: 10.1109/MCSE.2018.011111129.
- [4] PUPR, UGM, ESDM, and GBPN, Peta Jalan Penyelenggaraan dan Pembinaan Bangunan Gedung Hijau (BGH). Jakarta: Kementerian Pekerjaan Umum dan Perumahan Rakyat, 2023.
- [5] S. Attia *et al.*, “Overview and future challenges of nearly zero energy buildings (nZEB) design in Southern Europe,” *Energy Build.*, vol. 155, pp. 439–458, Nov. 2017, doi: 10.1016/j.enbuild.2017.09.043.
- [6] “Green Building Occupant Satisfaction: Evidence from the Australian Higher Education Sector.” Accessed: Mar. 24, 2025. [Online]. Available: <https://www.mdpi.com/2071-1050/10/8/2890>
- [7] “How Much of Your Life Do You Spend in Buildings? - GreenBuildingAdvisor.” Accessed: Mar. 24, 2025. [Online]. Available: <https://www.greenbuildingadvisor.com/article/how-much-of-your-life-do-you-spend-in-buildings>
- [8] T. Yang, D. Clements-Croome, and M. Marson, “Building Energy Management Systems,” in *Encyclopedia of Sustainable Technologies*, Elsevier, 2017, pp. 291–309. doi: 10.1016/B978-0-12-409548-9.10199-X.
- [9] S. I. Noubissie Tientcheu, S. P. Chowdhury, and T. O. Olwal, “Intelligent Energy Management Strategy for Automated Office Buildings,” *Energies*, vol. 12, no. 22, p. 4326, Nov. 2019, doi: 10.3390/en12224326.
- [10] F. Julaihi, S. H. Ibrahim, A. Baharun, R. Affendi, and M. N. M. Nawawi, “The effectiveness of energy management system on energy efficiency in the building,” presented at the THE 2ND INTERNATIONAL CONFERENCE ON APPLIED SCIENCE AND TECHNOLOGY 2017 (ICAST’17), Kedah, Malaysia, 2017, p. 020069. doi: 10.1063/1.5005402.
- [11] C. Ceccarini, S. Mirri, and C. Prandi, “Designing Interfaces to Display Sensor Data: A Case Study in the Human-Building Interaction Field Targeting a University Community,” *Sensors*, vol. 22, no. 9, p. 3361, Apr. 2022, doi: 10.3390/s22093361.



- [12] M. A. Khan *et al.*, “Smart Android Based Home Automation System Using Internet of Things (IoT),” *Sustainability*, vol. 14, no. 17, Art. no. 17, Jan. 2022, doi: 10.3390/su141710717.
- [13] D. Wall, P. McCullagh, I. Cleland, and R. Bond, “Development of an Internet of Things solution to monitor and analyse indoor air quality,” *Internet Things*, vol. 14, p. 100392, Jun. 2021, doi: 10.1016/j.iot.2021.100392.
- [14] T. Parkinson, A. Parkinson, and R. de Dear, “Continuous IEQ monitoring system: Context and development,” *Build. Environ.*, vol. 149, pp. 15–25, Feb. 2019, doi: 10.1016/j.buildenv.2018.12.010.
- [15] S. Fakhrunnisa and R. Kurniawan, “Perbandingan Kinerja Framework Front End Dalam Pengembangan Platform Talent Pool,” *Technol. J. Ilm.*, vol. 15, no. 4, Art. no. 4, Oct. 2024, doi: 10.31602/tji.v15i4.16750.
- [16] “Rancang Bangun Dashboard Sistem Pemantauan Efisiensi Panel Surya On-Grid dan Turbin Angin di Gedung DTNTF UGM.” Accessed: Mar. 24, 2025. [Online]. Available: <https://etd.repository.ugm.ac.id/penelitian/detail/234427>
- [17] Anggita Nur Fathoni and Unan Yusmaniar Oktiawati, “Blackbox Testing terhadap Prototipe Sistem Monitoring Kualitas Air Berbasis IoT,” *J. Nas. Tek. Elektro Dan Teknol. Inf.*, vol. 10, no. 4, pp. 362–368, Nov. 2021, doi: 10.22146/jnteti.v10i4.2095.
- [18] S. S. Utami, *MENUJU BANGUNAN ZERO ENERGY DI INDONESIA*. UGM PRESS, 2021.
- [19] J. Kurnitski, “How to define nearly net zero energy buildings nZEB”.
- [20] M. J. N. Oliveira Panão, “The overall renewable energy fraction: An alternative performance indicator for evaluating Net Zero Energy Buildings,” *Energy Build.*, vol. 127, pp. 736–747, Sep. 2016, doi: 10.1016/j.enbuild.2016.06.057.
- [21] A. Mohamed, A. Hasan, and K. Sirén, “Fulfillment of net-zero energy building (NZEB) with four metrics in a single family house with different heating alternatives,” *Appl. Energy*, vol. 114, pp. 385–399, Feb. 2014, doi: 10.1016/j.apenergy.2013.09.065.
- [22] “ASHRAE Terminology - Terminology.Presentation.” Accessed: Apr. 06, 2025. [Online]. Available: <https://terminology.ashrae.org/>
- [23] N. Mirzaei, H. Kamelnia, S. G. Islami, S. Kamyabi, and S. N. Assadi, “The Impact of Indoor Environmental Quality of Green Buildings on Occupants’ Health and Satisfaction: A systematic review,” *J. Community Health Res.*, Mar. 2020, doi: 10.18502/jchr.v9i1.2574.
- [24] I. Asadi, N. Mahyuddin, and P. Shafigh, “A review on indoor environmental quality (IEQ) and energy consumption in building based on occupant behavior,” *Facilities*, vol. 35, no. 11/12, pp. 684–695, Aug. 2017, doi: 10.1108/F-06-2016-0062.
- [25] “SNI-6390_2020-Konservasi-Energi-Sistem-Tata-Udara-Pada-Bangunan-Gedung.pdf.”
- [26] S. Cocco, J. Kämpf, J.-L. Scartezzini, and D. Pearlmutter, “Outdoor human comfort and thermal stress: A comprehensive review on models and



- standards,” *Urban Clim.*, vol. 18, pp. 33–57, Dec. 2016, doi: 10.1016/j.uclim.2016.08.004.
- [27] “SNI-6197_2020-Konservasi-Energi-Pada-Sistem-Pencahayaan.pdf.” Accessed: Mar. 25, 2025. [Online]. Available: https://iai-jatim.com/wp-content/uploads/2023/11/SNI-6197_2020-Konservasi-Energi-Pada-Sistem-Pencahayaan.pdf
- [28] I. Kurniawan *et al.*, “Panduan Sekolah Sehat dan Nyaman di Masa Pandemi dan Pasca Pandemi COVID-19”.
- [29] S. A. Arsita, G. E. Saputro, and S. Susanto, “Perkembangan Kebijakan Energi Nasional dan Energi Baru Terbarukan Indonesia,” *J. Syntax Transform.*, vol. 2, no. 12, pp. 1779–1788, Dec. 2021, doi: 10.46799/jst.v2i12.473.
- [30] “Semester I 2024, Kapasitas Terpasang EBT Bertambah 217,7 MW,” ESDM. Accessed: Apr. 08, 2025. [Online]. Available: <https://www.esdm.go.id/id/media-center/arsip-berita/semester-i-2024-kapasitas-terpasang-ebt-bertambah-2177-mw>
- [31] “Types of Data in Statistics: Numerical vs Categorical Data | University of Adelaide.” Accessed: Apr. 08, 2025. [Online]. Available: <https://online.adelaide.edu.au/blog/types-of-data>
- [32] T. Taryana and Y. Suprihartini, “PENGUKURAN DAN INSTRUMENTASI LISTRIK,” *Penerbit Tahta Media*, Jun. 2024, Accessed: Apr. 08, 2025. [Online]. Available: <https://tahtamedia.co.id/index.php/issj/article/view/867>
- [33] S. Few, *Show Me the Numbers: Designing Tables and Graphs to Enlighten*. Analytics Press, 2012.
- [34] K. Pauwels *et al.*, “Why, What, How, and What Research Is Needed?”.
- [35] A. Khadafi, “Information dashboard design: The effective visual communication of data,” Jan. 2006, Accessed: Apr. 08, 2025. [Online]. Available: https://www.academia.edu/1380138/Information_dashboard_design_The_effective_visual_communication_of_data
- [36] “World Wide Web - MDN Web Docs Glossary: Definitions of Web-related terms | MDN.” Accessed: Apr. 08, 2025. [Online]. Available: https://developer.mozilla.org/en-US/docs/Glossary/World_Wide_Web
- [37] I. Fajfar, *Start Programming Using HTML, CSS, and JavaScript*. New York: Chapman and Hall/CRC, 2015. doi: 10.1201/b19402.
- [38] T. Sulistyorini, E. Sova, and R. Ramadhan, “PEMANTAUAN KASUS PENYEBARAN COVID-19 BERBASIS WEBSITE MENGGUNAKAN FRAMEWORK REACT JS DAN API,” *J. Ilm. Multidisiplin*, vol. 1, no. 04, Art. no. 04, Jul. 2022, doi: 10.56127/jukim.v1i04.137.
- [39] D. A. Pandey, “React-JS: A Cutting-Edge Framework for Web Designing,” vol. 5, no. 4, 2024.
- [40] P. Sekhar Emmanni, “Comparative Analysis of Angular, React, and Vue.js in Single Page Application Development,” *Int. J. Sci. Res. IJSR*, vol. 12, no. 6, pp. 2971–2974, Jun. 2023, doi: 10.21275/SR24401230015.



- [41] K. Kowalczyk and T. Szandala, “Enhancing SEO in Single-Page Web Applications in Contrast With Multi-Page Applications,” *IEEE Access*, vol. 12, pp. 11597–11614, 2024, doi: 10.1109/ACCESS.2024.3355740.
- [42] A. P. Hadi, “MENGENAL FRONTEND DEVELOPMENT,” *Penerbit Yayasan Prima Agus Tek.*, pp. 1–145, Sep. 2024.
- [43] J. R. J. Sumakul and E. Mailoa, “Analisa Performa Website Kabupaten Kota di Provinsi Sulawesi Utara Menggunakan Website Performance Testing Tools,” *J. Minfo Polgan*, vol. 12, no. 1, Art. no. 1, Jul. 2023, doi: 10.33395/jmp.v12i1.12701.
- [44] “Akamai Online Retail Performance Report,” Akamai. Accessed: Apr. 26, 2025. [Online]. Available: <https://www.akamai.com/newsroom/press-release/akamai-releases-spring-2017-state-of-online-retail-performance-report>
- [45] N. Cahyono, U. A. Saputro, and M. F. Salim, “PERBANDINGAN EFEKTIVITAS METODE MINIFIKASI KODE DALAM MENINGKATKAN SPEED INDEX DAN LARGEST CONTENTFUL PAINT,” *JATI J. Mhs. Tek. Inform.*, vol. 8, no. 6, Art. no. 6, Nov. 2024, doi: 10.36040/jati.v8i6.11669.
- [46] R. A. Nuryadin, T. A. Ramadhani, J. Karaman, and M. Reza, “ANALISIS PERBANDINGAN PERFORMA VIRTUALISASI SERVER MENGGUNAKAN VMWARE ESXI, ORACLE VIRTUAL BOX, VMWARE WORKSTATION 16 DAN PROXMOX,” *METHOMIKA J. Manaj. Inform. Komputerisasi Akunt.*, vol. 7, no. 2, Art. no. 2, Oct. 2023, doi: 10.46880/jmika.Vol7No2.pp175-180.
- [47] A. Syaifulloh, “SISTEM PEMANTAUAN KUALITAS UDARA BERBASIS INTERNET OF THINGS (IOT) MENGGUNAKAN NODEMCU DENGAN INTERFACE WEBSITE,” 2024.
- [48] M. Frontczak and P. Wargocki, “Literature survey on how different factors influence human comfort in indoor environments,” *Build. Environ.*, vol. 46, no. 4, pp. 922–937, Apr. 2011, doi: 10.1016/j.buildenv.2010.10.021.
- [49] J. H. K. Lai and F. W. H. Yik, “Perception of importance and performance of the indoor environmental quality of high-rise residential buildings,” *Build. Environ.*, vol. 44, no. 2, pp. 352–360, Feb. 2009, doi: 10.1016/j.buildenv.2008.03.013.
- [50] “Household air pollution.” Accessed: Jul. 08, 2025. [Online]. Available: <https://www.who.int/news-room/fact-sheets/detail/household-air-pollution-and-health>

