

DAFTAR PUSTAKA

- [1] J. Kang and Y. Yang, "Energy carbon emission structure and reduction potential focused on the supplyside and demand-side," *PLoS One*, vol. 15, no. 10 October, Oct. 2020, doi: 10.1371/journal.pone.0239634.
- [2] Campus Life, "Gedung Telkom University Landmark Tower (TULT): Simbol Modernitas dan Prestise Pendidikan," Jun. 2023, Accessed: Oct. 30, 2023. [Online]. Available: <https://campuslife.telkomuniversity.ac.id/2023/06/20/gedung-telkom-university-landmark-tower-tult-simbol-modernitas-dan-prestise-pendidikan/>
- [3] M. Ridha, "Telkom University Raih Peringkat 1 Green Campus Swasta, Tawarkan Fasilitas Lengkap dan Lingkungan Belajar yang Nyaman," Feb. 2024, Accessed: Aug. 05, 2024. [Online]. Available: <https://telkomuniversity.ac.id/en/telkom-university-raih-peringkat-1-green-campus-swasta-tawarkan-fasilitas-lengkap-dan-lingkungan-belajar-yang-nyaman/>
- [4] K. Lamola, "Building Sustainable Smart Cities and The Green Building Agenda," *Resourceedings*, vol. 3, no. 1, pp. 43–49, Mar. 2023, doi: 10.21625/resourceedings.v3i1.952.
- [5] P. C. Saputra and A. Ramadhan, "Smart building trend, role, and position: a systematic literature review," *International Journal of Reconfigurable and Embedded Systems*, vol. 12, no. 1, pp. 29–41, Mar. 2023, doi: 10.11591/ijres.v12.i1.pp29-41.
- [6] Nanyang Technology University, "Gaia, the largest wooden building in Asia, launched," May 2023, Accessed: Nov. 15, 2023. [Online]. Available: <https://www.ntu.edu.sg/news/detail/gaia-the-largest-wooden-building-in-asia-launched>
- [7] L. He and Z. Chen, "E-Automation and the development of substation automation architecture," in *Proceedings - International Conference on Intelligent Computation Technology and Automation, ICICTA 2008*, 2008, pp. 1044–1047. doi: 10.1109/ICICTA.2008.413.
- [8] Q. Liu and Q. Liu, "Research on Automatic Generation Control System of Photovoltaic Power Station Based on Adaptive PID Control Algorithm," in *Proceedings of 2020 IEEE 3rd International Conference on Information Systems and Computer Aided*

- Education, ICISCAE 2020*, Institute of Electrical and Electronics Engineers Inc., Sep. 2020, pp. 231–236. doi: 10.1109/ICISCAE51034.2020.9236877.
- [9] I. Ciuffreda, S. Casaccia, and G. M. Revel, “A Multi-Sensor Fusion Approach Based on PIR and Ultrasonic Sensors Installed on a Robot to Localise People in Indoor Environments,” *Sensors*, vol. 23, no. 15, Aug. 2023, doi: 10.3390/s23156963.
- [10] J. Yick, B. Mukherjee, and D. Ghosal, “Wireless sensor network survey,” *Computer Networks*, vol. 52, no. 12, pp. 2292–2330, Aug. 2008, doi: 10.1016/j.comnet.2008.04.002.
- [11] K. Sohraby, D. Minoli, and T. Znati, “WIRELESS SENSOR NETWORKS Technology, Protocols, and Applications,” 2007. Accessed: Aug. 19, 2024. [Online]. Available: <https://ieeexplore.ieee.org/servlet/opac?bknumber=8040084>
- [12] I. Pratama, N. Anugrah, A. Indirahmawaty, and A. Ismail, “Impelmentasi Smart Relay menggunakan PIR Motion Sensor guna Mencapai Smart and Green Building: Kasus Ruang Laboratorium Telkom University Landmark Tower,” 2023.
- [13] R. K. Kodali and S. Soratkal, “MQTT based Home Automation System Using ESP8266,” 2016. doi: 10.1109/R10-HTC.2016.7906845.
- [14] A. S. Romoadhon and D. R. Anamisa, “Sistem Kontrol Peralatan Listrik pada Smart Home Menggunakan Android,” *Rekayasa*, vol. 10, no. 2, p. 116, 2017, doi: <https://doi.org/10.21107/rekayasa.v10i2.3613>.
- [15] I. Kurniawan, “Sistem Pengendali Peralatan rumah Tangga Berbasis Aplikasi Blynk dan NodeMCU ESP8266,” *UTDI*, Aug. 2017.
- [16] J. Liu, G. M. Huang, Z. Ma, and Y. Geng, “A novel smart high-voltage circuit breaker for smart grid applications,” *IEEE Trans Smart Grid*, vol. 2, no. 2, pp. 254–264, Jun. 2011, doi: 10.1109/TSG.2011.2134113.
- [17] K. Sedhuraman and A. Venkadesan, “Performance Evaluation of Smart Intelligent Circuit Breaker,” 2019. doi: 10.1109/ICSCAN.2019.8878689.
- [18] D. Yang, B. Xu, K. Rao, and W. Sheng, “Passive infrared (PIR)-based indoor position tracking for smart homes using accessibility maps and a-star algorithm,” *Sensors (Switzerland)*, vol. 18, no. 2, Feb. 2018, doi: 10.3390/s18020332.

- [19] SCAD College of Engineering and Technology and Institute of Electrical and Electronics Engineers, *Smart Gardening Automation using IoT With BLYNK App*. Accessed: Jan. 03, 2024. [Online]. Available: <https://ieeexplore.ieee.org/document/8862591>
- [20] E. Media's, . S., and M. Rif'an, "Internet of Things (IoT): BLYNK Framework for Smart Home," *KnE Social Sciences*, vol. 3, no. 12, p. 579, Mar. 2019, doi: 10.18502/kss.v3i12.4128.
- [21] M. R. Reina-Cufiño, "Control domótico y monitoreo por medio de IOT," *Visión electrónica*, vol. 15, no. 1, pp. 84–93, Feb. 2021, doi: 10.14483/22484728.15572.
- [22] M. H. Zohari, V. Bala, A. Syamimi, and A. Ghafar, "Server monitoring based on IoT using ThingSpeak," 2019. [Online]. Available: www.fazpublishing.com/jepes
- [23] I. Arias Nurdianto and A. Bayu Primawan, "Monitoring Data Curah Hujan Berbasis Internet Of Things(IoT)," *Dinamika Informatika*, 2020.
- [24] Source Forge, "Blynk vs Ubidots Comparison." Accessed: Aug. 05, 2024. [Online]. Available: <https://sourceforge.net/software/compare/Blynk-vs-Ubidots/>
- [25] ThingSpeak, "How to Buy - Standad license - ThingSpeak IoT", Accessed: Aug. 05, 2024. [Online]. Available: https://thingspeak.com/prices/thingspeak_standard
- [26] Blynk, "Simple Plans That Fit Your Needs", Accessed: Aug. 05, 2024. [Online]. Available: <https://blynk.io/pricing>
- [27] S. Juyal, S. Sharma, A. Harbola, and A. Shukla, *Proceedings of the International Conference on Trends in Electronics and Informatics (ICOEI 2019) : 23-25, April 2019*. [IEEE], 2019.
- [28] A. W. Finaka, Y. Nurhanisah, and M. Mulyadi, "Tinggi Badan Rata-Rata Orang Asia Tenggara," *Indonesiabaik.id*. Accessed: Jul. 21, 2024. [Online]. Available: <https://indonesiabaik.id/infografis/tinggi-badan-rata-rata-orang-asia-tenggara#:~:text=Indonesia%20sendiri%20berada%20di%20peringkat,penduduk%20perempuan%20154%2C3%20cm>.
- [29] A. Sharanbasappa, S. Bharath Kumar, A. Naveen, M. Praveen Kumar, and B. Tarun Raj, "Automatic Control of LED Lamp Using PIR Motion Sensor," *Int J Res Appl Sci Eng Technol*, vol. 11, no. 5, 2023, doi: 10.22214/ijraset.2023.51379.

- [30] T. Thaker, *ESP8266 based Implementation of Wireless Sensor Network with Linux Based Web-Server*. 2016. doi: 10.1109/CDAN.2016.7570919.
- [31] J. Mesquita, D. Guimares, C. Pereira, F. Santos, and L. Almeida, *Assessing the ESP8266 WiFi module for the Internet of Things*. IEEE, 2018. doi: 10.1109/ETFA.2018.8502562.
- [32] S. Bagde, P. Ambade, M. Batho, P. Duragkar, P. Dahikar, and A. Ikhar, "Internet of Things (IOT) Based Smart Switch," *Journal of ISMAC*, vol. 3, no. 2, pp. 149–162, Jun. 2021, doi: 10.36548/jismac.2021.2.007.
- [33] K. A. Yasa *et al.*, "IoT-based Electrical Power Recording using ESP32 and PZEM-004T Microcontrollers," 2023, doi: 10.32996/jcsts.
- [34] Pixel Electric Company Limited, "PZEM-004T AC Electric Energy Metering Monitor," 2024, Accessed: Aug. 05, 2024. [Online]. Available: <https://www.pixelectric.com/sensors/biometric-rotation-current/current-voltage/pzem-004t-ac-electric-energy-metering-monitor/>
- [35] "HC-SR501 PIR SENSORS," components101. Accessed: Jul. 20, 2024. [Online]. Available: <https://components101.com/sensors/hc-sr501-pir-sensor>
- [36] R. Fenny Muldiani, K. Hadiningrum, and D. Pratama, "Comparative Analysis of Experimental Testing and Simulation of the Inductance Effect in the RLC Circuit toward the Power Factor Value," 2020. doi: 10.2991/aer.k.201221.062.
- [37] Weather Spark, "Iklim dan Cuaca Rata-Rata Sepanjang Tahun di Kota Bandung", Accessed: Aug. 14, 2024. [Online]. Available: <https://id.weatherspark.com/y/118121/Cuaca-Rata-rata-pada-bulan-in-Kota-Bandung-Indonesia-Sepanjang-Tahun>
- [38] Ashish Mittal, "ABS Melting Point | The Ultimate Guide," Oct. 2023, Accessed: Aug. 14, 2024. [Online]. Available: <https://plasticranger.com/abs-melt-point/>