

DAFTAR PUSTAKA

- [1] M. P. Hakim, U. Ristian, dan Suhardi, “Sistem pintu cerdas dengan QR Code berbasis *Internet of Things* sebagai penerapan *Edge Computing*,” *ELKOMIKA: Jurnal Teknik Energi Elektrik, Teknik Telekomunikasi, dan Teknik Elektronika*, vol. 11, no. 4, pp. 907–918, Okt. 2023, doi: [10.26760/elkomika.v11i4.907](https://doi.org/10.26760/elkomika.v11i4.907).
- [2] D. Suryadi, C. S. Octiva, T. I. Fajri, U. W. Nuryanto, and M. L. Hakim, “Optimasi kinerja sistem IoT menggunakan teknik edge computing,” *Jurnal Minfo Polgan*, vol. 13, no. 2, pp. 1456–1461, Sep. 2024, doi: [10.33395/jmp.v13i2.14102](https://doi.org/10.33395/jmp.v13i2.14102)
- [3] S. Agustini, “Kajian Literatur: Perkembangan *Edge Computing* dalam Mendukung IoT,” *Engineering and Technology International Journal*, vol. 7, no. 01, pp. 36–43, Mar. 2025, doi: [10.55642/eatij.v7i01.969](https://doi.org/10.55642/eatij.v7i01.969).
- [4] N. A. G. Prawiyogi and N. A. S. Anwar, “Perkembangan Internet of Things (IoT) pada Sektor Energi : Sistematis *Literatur Review*,” *Jurnal Mentari Manajemen Pendidikan Dan Teknologi Informasi*, vol. 1, no. 2, pp. 187–197, Jan. 2023, doi: [10.33050/mentari.v1i2.254](https://doi.org/10.33050/mentari.v1i2.254).
- [5] Olubiyi O. Akintade Thomas K. Yesufu, Lawrence O. Kehinde “*Development of an MQTT-based IoT architecture for Energy-Efficient and Low-Cost applications*,” *International Journal of Internet of Things*, vol. 8–2, pp. 27–35, Jun. 2019, doi: [10.5923/j.ijit.20190802.01](https://doi.org/10.5923/j.ijit.20190802.01).
- [6] Y.-H. Chang, F.-C. Wu, and H.-W. Lin, “*Design and implementation of*

- ESP32-Based edge computing for object detection,” Sensors*, vol. 25, no. 6, p. 1656, Mar. 2025, doi: 10.3390/s25061656.
- [7] “Wireless SOCs, software, cloud and IoT Solutions | Espressif Systems.” <https://www.espressif.com/>
- [8] T. I. Fajri, L. Ningsih, C. S. Octiva, M. L. Hakim, and N. A. Hasma, “Implementasi edge computing Untuk Optimalisasi pengumpulan data sensor pada smart building,” *Journal Innovations Computer Science*, vol. 4, no. 2, pp. 345–352, Nov. 2025. doi:10.56347/jics.v4i2.369
- [9] M. Mohammed Sadeeq *et al.*, “IoT and cloud computing issues, challenges and opportunities: A Review,” *Qubahan Academic Journal*, vol. 1, no. 2, pp. 1–7, Mar. 2021. doi:10.48161/qaj.v1n2a36
- [10] I. P. Wisnawa, I. P. Prasetya, and C. A. Lahallo, “Arsitektur internet of things (IoT) Berskala Industri Dengan FITUR auto provisioning,” *TIERS Information Technology Journal*, vol. 2, no. 2, pp. 24–30, Dec. 2021. doi:10.38043/tiers.v2i2.3312
- [11] S. Garg *et al.*, “Edge computing-based security framework for Big Data Analytics in VANETs,” *IEEE Network*, vol. 33, no. 2, pp. 72–81, Mar. 2019. doi:10.1109/mnet.2019.1800239
- [12] D. Shanmugapriya, A. Patel, G. Srivastava, and J. C.-W. Lin, “MQTT protocol use cases in the internet of things,” in *Lecture notes in computer science*, 2021, pp. 146–162. doi: 10.1007/978-3-030-93620-4_12.
- [13] M. Z. Ahmad, A. R. Adenan, M. S. Rohmad, and Y. M. Yussoff, “Performance analysis of secure MQTT communication Protocol,” *2023 19th IEEE International Colloquium on Signal Processing & Its Applications (CSPA)*, pp. 225–229, Mar. 2023, doi: 10.1109/cspa57446.2023.10087603.
- [14] A. Ramadhan and B. Yulianti, “POWER METER PADA TELEMETERING

SCADA DI GARDU INDUK 150 KV UNTUK MENINGKATKAN AKURASI DATA”, *JTI*, vol. 11, no. 1, Oct. 2022

- [15] L. A. Kumar, V. Indragandhi, R. Selvamathi, V. Vijayakumar, L. Ravi, and V. Subramaniaswamy, “Design, power quality analysis, and implementation of smart energy meter using internet of things,” *Computers & Electrical Engineering*, vol. 93, p. 107203, May 2021, doi: 10.1016/j.compeleceng.2021.107203.
- [16] J. Arm, O. Baštán, O. Mihálik, and Z. Bradáč, “Measuring the performance of FreeRTOS on ESP32 Multi-Core,” *IFAC-PapersOnLine*, vol. 55, no. 4, pp. 292–297, Jan. 2022, doi: 10.1016/j.ifacol.2022.06.048.
- [17] H. Yang and Y. Kim, “Design and Implementation of High-Availability architecture for IoT-Cloud Services,” *Sensors*, vol. 19, no. 15, p. 3276, Jul. 2019, doi: 10.3390/s19153276.
- [18] F. Cappa, R. Oriani, E. Peruffo, and I. McCarthy, “Big Data for creating and capturing value in the digitalized environment: Unpacking the effects of volume, variety, and veracity on firm performance*,” *Journal of Product Innovation Management*, vol. 38, no. 1, pp. 49–67, Jul. 2020, doi: 10.1111/jpim.12545.
- [19] S. E. C. of E. India *et al.*, “THE ROLE OF INTEGRATED STRUCTURED CABLING SYSTEM (ISCS) FOR RELIABLE BANDWIDTH OPTIMIZATION IN HIGH SPEED COMMUNICATION NETWORK,” *ICTACT Journal on Communication Technology*, vol. 13, no. 1, pp. 2635–2639, Mar. 2022, doi: 10.21917/ijct.2022.0389.
- [20] R. Tuli, “Analyzing Network performance parameters using wireshark,” *arXiv (Cornell University)*, Feb. 2023, doi: 10.48550/arxiv.2302.03267.