

DAFTAR PUSTAKA

- [1] M. Yusuf F, “Membuat Aplikasi Sederhana Menggunakan Android Studio,” *JOINTECOMS (Journal Inf. Technol. Comput. Sci.)*, vol. 5, no. 5, pp. 0–8, 2021.
- [2] Haris Budiman, “Peran Teknologi Informasi Dan Komunikasi Dalam Pendidikan,” *Al-Tadzkiyyah J. Pendidik. Islam*, vol. 8, no. 1, pp. 31–43, 2017.
- [3] P. Studi and T. Informatika, *Rancang Bangun Aplikasi Manajemen Data Operasional Berbasis Web Dengan Next Js Tugas Akhir Restu Adil Salatin Syah*. 2024.
- [4] K. Kamal, U. M. Tyas, A. A. Buckhari, and P. Pattasang, “Implementasi Aplikasi Arduino Ide Pada Mata Kuliah Sistem Digital,” *J. Pendidik. dan Teknol.*, vol. 1, no. 1, pp. 1–10, 2023.
- [5] C. W. Darmawan, S. R. U. A, and F. D. K. Sompie, “Implementasi *Internet of Things* pada Monitoring Kecepatan Kendaraan Bermotor,” *J. Tek. Elektro dan Komput.*, vol. 9, no. 2, pp. 91–100, 2020.
- [6] R. A. Firmansyah and R. T. Shita, “Sensor Suhu Pada Ruangan Data Center Menggunakan Mikrokontroler Node Mcu Esp8266 Temperature Sensor in Room Data Center Using Microcontroller Esp8266-Based Mcu Node,” vol. 2, no. September, pp. 2082–2090, 2023.
- [7] P. Gunoto, A. Rahmadi, and E. Susanti, “Perancangan Alat Sistem Monitoring Daya Panel Surya Berbasis Internet of Things,” *Sigma Tek.*, vol. 5, no. 2, pp. 285–294, 2022, doi: 10.33373/sigmateknika.v5i2.4555.
- [8] M. Ar *et al.*, *Rancang Bangun Pengukuran Tds Dan Suhu Berbasis ESP32 Terintegrasi Internet of Things (IoT) : Studi Kasus Pada Perumahan Mutiara Elok*. 2025.
- [9] R. Safiq *et al.*, “Deteksi Nilai Nominal Uang Kertas Menggunakan Metode RGB Pada Sistem Keuangan Berbasis Aplikasi Android,” *Centive*, vol. 3, no. 1, pp. 765–779, 2023.
- [10] H. S. Munawaroh, R. Safiq, and E. Sulistyanto, “Implementasi Tombol Panik SOS Untuk Lansia Berbasis IoT Pada Panti Pelayanan Sosial Lanjut Usia Dewanata Cilacap,” *J. Tecnoscienza*, vol. 9, no. 1, pp. 29–42, 2024, doi: 10.51158/6snm1q32.
- [11] F. A. Deswar and R. Pradana, “Monitoring Suhu Pada Ruang Server Menggunakan Wemos D1 R1 Berbasis Internet of Things (Iot),” *Technol. J. Ilm.*, vol. 12, no. 1, p. 25, 2021, doi: 10.31602/tji.v12i1.4178.
- [12] R. Safiq and D. Alfaji, “Penerapan Papan Informasi Digital Secara Real Time Menggunakan Network Time Protocol Berbasis Website,” *JATI (Jurnal Mhs. Tek. Inform.)*, vol. 8, no. 2, pp. 2000–2005, 2024, doi: 10.36040/jati.v8i2.7947.
- [13] A. Morchid, R. Jebabra, H. M. Khalid, R. El Alami, H. Qjidaa, and M. Ouazzani Jamil, “IoT-based smart irrigation management system to enhance

agricultural water security using embedded systems, telemetry data, and cloud computing,” *Results Eng.*, vol. 23, no. August, p. 102829, 2024, doi: 10.1016/j.rineng.2024.102829.

- [14] A. Rakhmadi, N. D. Wulandari, R. Safiq, and M. Syukri, “A Mobile Sign Language Dictionary : Enhancing Communication for the Deaf and Mute,” vol. 7, no. 01, pp. 73–79, 2025, doi: 10.47685/mestro.v7i1.617.
- [15] L. Santos, T. Costa, J. M. L. P. Caldeira, and V. N. G. J. Soares, “Performance Assessment of ESP8266 Wireless Mesh Networks,” *Inf.*, vol. 13, no. 5, 2022, doi: 10.3390/info13050210.
- [16] M. A. Afandi, S. Nurandi, and I. K. A. Enriko, “Automated Air Conditioner Controller and Monitoring Based on Internet of Things,” *IJEIS (Indonesian J. Electron. Instrum. Syst.)*, vol. 11, no. 1, p. 83, 2021, doi: 10.22146/ijeis.64563.
- [17] M. Muhammad, N. A. Razaq, and M. R. Amirul H, “Perancangan Sistem Kontrol Dan Monitoring Air Conditioner Ruangan Berbasis Internet Of Things,” *J. Inf. J. Penelit. dan Pengabdi. Masy.*, vol. 10, no. 1, pp. 21–27, 2024, doi: 10.46808/informa.v10i1.268.
- [18] N. A. Afifie *et al.*, “Evaluation Method of Mesh Protocol over ESP32 and ESP8266,” *Baghdad Sci. J.*, vol. 18, no. 4, pp. 1397–1405, 2021, doi: 10.21123/bsj.2021.18.4(Suppl.).1397.
- [19] C. Beretas, “Internet of Things and Privacy,” *COJ Electron. Commun.*, vol. 1, no. 1, 2018, doi: 10.31031/cojec.2018.01.000503.
- [20] D. Orlando, D. Kaparang, and K. Santa, “Perancangan Sistem Kontrol Suhu Ruangan Server Menggunakan Arduino Uno Di Pusat Komputer Universitas Negeri Manado,” *Jointer - J. Informatics Eng.*, vol. 2, no. 02, pp. 17–28, 2021, doi: 10.53682/jointer.v2i02.24.
- [21] Solly Aryza, Zulkarnain Lubis, and Khairil Putra, “Sosialisasi Sistem Proteksi Over Voltage Kantor Lurah Kelambir Lima Berbasiskan IOT,” *J. Has. Pengabdi. Masy.*, vol. 3, no. 1, pp. 306–314, 2024, doi: 10.62712/juribmas.v3i1.254.
- [22] I. G. M. N. Desnanjaya, A. A. S. Pradhana, I. N. T. A. Putra, S. Widiastutik, and I. M. A. Nugraha, “Integrated Room Monitoring and Air Conditioning Efficiency Optimization Using ESP-12E Based Sensors and PID Control Automation: A Comprehensive Approach,” *J. Robot. Control*, vol. 4, no. 6, pp. 832–839, 2023, doi: 10.18196/jrc.v4i6.18868.
- [23] T. Ghazali, G. Ilena, M. Mulyadi, and L. Wijayanti, “Web-Based Air Conditioner Monitoring and Control,” *Saudi J. Eng. Technol.*, vol. 7, no. 8, pp. 461–471, 2022, doi: 10.36348/sjet.2022.v07i08.006.
- [24] F. Gamaliel and P. Yudi Dwi Arliyanto, “Implementasi Sistem Monitoring Dan Kontrol Air Conditioner Menggunakan Internet of Things,” *J. Inform. dan Tek. Elektro Terap.*, vol. 11, no. 3, pp. 44–52, 2023, doi: 10.23960/jitet.v11i3.3080.

- [25] H. Kutty Mammi and I. Mohamed Rashid, "Automatic Control and Monitoring Air Conditioner Temperature (Using Arduino)," *Int. J. Innov. Comput.*, vol. 13, no. 2, pp. 11–16, 2023, doi: 10.11113/ijic.v13n2.399.
- [26] P. Megantoro *et al.*, "Instrumentation system for data acquisition and monitoring of hydroponic farming using ESP32 via Google Firebase," *Indones. J. Electr. Eng. Comput. Sci.*, vol. 27, no. 1, pp. 52–61, 2022, doi: 10.11591/ijeecs.v27.i1.pp52-61.
- [27] J. Panjaitan and A. F. Pakpahan, "Perancangan Sistem E-Reporting Menggunakan ReactJS dan Firebase," *J. Tek. Inform. dan Sist. Inf.*, vol. 7, no. 1, pp. 20–34, 2021, doi: 10.28932/jutisi.v7i1.3098.
- [28] A. Fadhilla, SUheri, and A. Khaliq, "Aplikasi Mobile Learning Berbasis Android Untuk Belajar Huruf Hijaiyah," *J. Nas. Teknol. Komput.*, vol. 1, no. 1, pp. 28–36, 2021, doi: 10.61306/jnastek.v1i1.5.
- [29] D. E. P. Rholand, "Rancang Bangun Aplikasi Pemesanan Online Tiket Bioskop Berbasis Mobile," *J. Univ. Palangkaraya*, vol. 5, no. May, p. 14, 2022, [Online]. Available: https://www.researchgate.net/profile/Rholand-Deo-Putra/publication/360785544_Rancang_Bangun_Aplikasi_Pemesanan_Online_Tiket_Bioskop_Berbasis_Mobile/links/628b79e86e41e5002d3cd13e/Rancang-Bangun-Aplikasi-Pemesanan-Online-Tiket-Bioskop-Berbasis-Mobile.pdf
- [30] P. S. Ishari and J. C. Chandra, "Sistem Kontrol Air Conditioner (AC) Berbasis Internet of Things pada Ruangan e-Learning Universitas Budi Luhur," *3rd Semin. Nas. Mhs. Fak. Teknol. Inf.*, vol. 2, no. 2, pp. 2011–2018, 2023.
- [31] I. Inggrit, M. Maruji, and H. Henny, "Rancang Bangun Aplikasi Panic Button Berbasis Android Di Kota Kendari," *Simtek J. Sist. Inf. dan Tek. Komput.*, vol. 7, no. 2, pp. 143–151, 2022, doi: 10.51876/simtek.v7i2.158.
- [32] M. A. Khan *et al.*, "Smart Android Based Home Automation System Using Internet of Things (IoT)," *Sustain.*, vol. 14, no. 17, pp. 1–17, 2022, doi: 10.3390/su141710717.