

## DAFTAR PUSTAKA

- [1] B. A. Abdilah, M. A. Murti, and A. Z. Fuadi, "Rancang Bangun Pengontrolan AC (Air Conditioner) Untuk Penghematan Energi Dengan Kendali Fuzzy Logic Sugeno Berbasis IoT (Internet of Things) Menggunakan LoRa," *J. Mikrotik*, vol. 8, no. 1, pp. 55–64, 2018.
- [2] "World Energy Outlook 2024: cooling drives electricity... | 2024/10/23," International Institute of Refrigeration. Accessed: May 22, 2025. [Online]. Available: <https://iifir.org/en/news/world-energy-outlook-2024-cooling-drives-electricity-demand-especially-in-developing-countries>
- [3] T. T. Taufik, J. Prasajo, O. Yuliani, and B. G. Pratama, "Rancang Bangun Alat Pengendali Air Conditioner secara Otomatis dengan Sensor Inframerah Berbasis ESP32 di UPT BLK Kulon Progo," *Aviat. Electron. Inf. Technol. Telecommun. Electr. Control.*, vol. 6, no. 2, p. 181, 2024, doi: 10.28989/avitec.v6i2.2395.
- [4] D. Afandi, "Rancang Bangun Sistem Kendali AC dengan Sensor DHT22 dan PIR Dalam Ruangan Menggunakan Mikrokontroler Arduino Nano," *J. Media Infotama*, vol. 21, no. 1, pp. 187–193, 2025.
- [5] O. Pribadi, "Sistem Kendali Jarak Jauh Air Conditioner ( AC ) Berbasis IoT," *J. Times*, vol. IX, no. 1, pp. 1–8, 2020.
- [6] H. S. Nazila, Z. V., Saputra, S. B. A., Wardihani, E. D., Widodo, S., Wasito, E., Hasan, A., Suhendro, & Winahyu, "SISTEM PEMANTAUAN DAN PENGENDALIAN SMARTCLASSROOM BERBASIS INTERNET OF THINGS DENGAN ESP32," *NCIET*, vol. 1, pp. 22–28, 2020.
- [7] A. P. Kemala, M. E. Syahputra, H. Lucky, and S. Achmad, "Pengembangan Smart Air Condition Control Menggunakan Platform Blynk Berbasis Mikrokontroler ESP8266 dan Sensor DHT11," *Eng. Math. Comput. Sci. J.*, vol. 4, no. 1, pp. 19–23, 2022, doi: 10.21512/emacsjournal.v4i1.8072.
- [8] M. Y. Ihza, M. G. Rohman, and A. A. Bettaliyah, "Perancangan Sistem Controller Lighting and Air Conditioner Di Unisla Dengan Konsep Internet of Things (Iot) Berbasis Web," *Gener. J.*, vol. 6, no. 1, pp. 37–44, 2022, doi: 10.29407/gj.v6i1.16295.
- [9] I. Rifky, "MIKROKONTROLER ESP32 - UR," Universitas Raharja. Accessed: May 28, 2025. [Online]. Available: <https://raharja.ac.id/2021/11/16/mikrokontroler-esp32-2/>
- [10] "ESP32 - 38Pin Development Board (WIFI and Bluetooth)," Lampratronics. Accessed: Jun. 02, 2025. [Online]. Available: <https://lampratronics.com/product/esp32-38pin-development-board-wifi-and-bluetooth/>

- [11] F. H. Mustianto, Asni Tafrikhatin, and Ajeng Tiara Wulandari, "Rancang Bangun Pengatur Suhu Kandang Ayam Otomatis Menggunakan Sensor DHT22 Berbasis Wemos D1 R32 Dengan Keluaran Berupa LCD dan Notifikasi Telegram," *JASATEC J. Students Automotive, Electron. Comput.*, vol. 2, no. 1, pp. 9–19, 2023, doi: 10.37339/jasatec.v2i1.1237.
- [12] "DHT22 Digital Temperature and Humidity Sensor Suhu dan Kelembaban AM2302 module replaces SHT11 SHT15 – ICHIBOT STORE," Ichibot Store. Accessed: Jun. 02, 2025. [Online]. Available: <https://store.ichibot.id/product/dht22-digital-temperature-and-humidity-sensor-suhu-dan-kelembaban-am2302-module-replaces-sht11-sht15/>
- [13] F. Nawazi, "DHT22 Digital Temperature and Humidity Sensor," Circuit DIY. Accessed: Jun. 02, 2025. [Online]. Available: <https://www.circuits-diy.com/dht22-digital-temperature-and-humidity-sensor/>
- [14] M. Pranata, "Implementasi Sensor Infra Merah Dengan Jaringan Nirkabel Untuk Sistem Pemantuan Blower Kandang Ayam," *J. Nas. Pendidik. Tek. Inform.*, vol. 9, no. 3, p. 304, 2020, doi: 10.23887/janapati.v9i3.24798.
- [15] "Infrared Proximity Sensor E18-D80NK NPN NO," Jogja Robotika. Accessed: Jun. 02, 2025. [Online]. Available: <https://jogjarobotika.com/ultrasonic-sensor-jarak-proximity-sensor/5105-infrared-proximity-sensor-e18-d80nk-npn-no.html>
- [16] "A Complete Guide to the E18-D80NK Adjustable IR Sensor," ALLELCO. Accessed: May 30, 2025. [Online]. Available: <https://www.allelcoelec.com/blog/A-Complete-Guide-to-the-E18-D80NK-Adjustable-IR-Sensor.html>
- [17] 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.
- [18] "DIGITAL IR Transmitter Module(Arduino Compatible) - Digiware Store," DigiWare. Accessed: Jun. 02, 2025. [Online]. Available: <https://digiwarestore.com/id/ir-transmitter/digital-ir-transmitter-modulearduino-compatible-432111.html>
- [19] "How to Use IR Transmitter: Pinouts, Specs, and Examples | Cirkuit Designer," Cirkuit Designer. Accessed: May 30, 2025. [Online]. Available: <https://docs.cirkitdesigner.com/component/5212c214-0a24-42a5-bcda-7cb3f036ce37/ir-transmitter>
- [20] N. Hidayanti, H. Her Gumiwang Ariswati, D. Titisari, T. Jurusan Teknologi Elektro-medis Politeknik Kesehatan Kementerian Kesehatan, and S. Jl Pucang Jajar Timur No, "Low Cost Monitoring Kesehatan Berbasis IOT (Parameter Detak Jantung dan Suhu Tubuh)," *Teknokes*, vol. 13, no. 2, pp. 98–106, 2020.

- [21] “Modul Sensor Layar Oled Ssd1306 | Modul Sensor,” ElectronicWings. Accessed: Jun. 02, 2025. [Online]. Available: <https://www.electronicwings.com/sensors-modules/ssd1306-oled-display>
- [22] J. Joseph, “ESP32 OLED Display Tutorial: Displaying Text and Graphics on OLED Display with ESP32,” Circuit Digest. Accessed: May 30, 2025. [Online]. Available: <https://circuitdigest.com/microcontroller-projects/displaying-text-and-characters-oled-module-with-esp32>
- [23] I. Syukhron, “Penggunaan Aplikasi Blynk untuk Sistem Monitoring dan Kontrol Jarak Jauh pada Sistem Kompos Pintar berbasis IoT,” *Electrician*, vol. 15, no. 1, pp. 1–11, 2021, doi: 10.23960/elc.v15n1.2158.
- [24] Handi, H. Fitriyah, and G. E. Setyawan, “Sistem Pemantauan Menggunakan Blynk dan Pengendalian Penyiraman Tanaman Jamur Dengan Metode Logika Fuzzy,” *J. Pengemb. Teknol. Inf. dan Ilmu Komput.*, vol. 3, no. 4, pp. 3258–3265, 2021.
- [25] M. A. A. H. Arigo *et al.*, “Optimasi Penghematan Energi Listrik Menggunakan Metode Fuzzy Logic Pada Sistem Pendingin Udara Berbasis IoT,” *J. Elektron. dan Otomasi Ind.*, vol. 11, no. 2, pp. 363–375, 2024, doi: 10.33795/elkolind.v11i2.5467.

