

DAFTAR PUSTAKA

- [1] Atif Raza Zaidi, Rabia Javed, Adil Siddique, Muhammad Imran, and A. Ali, "Role of IoT during Covid-19 Crisis: Adoptions, Challenges and Reflections on the Post-Pandemic World," *J. Nanoscope*, vol. 4, no. 1, pp. 1–17, 2023, doi: 10.52700/jn.v4i1.83.
- [2] M. Borromeu, "A critical review of current health challenges," *Int. J. Dev. Res.*, vol. 13, pp. 63465–63469, 2023, doi: 10.37118/ijdr.27075.08.2023.
- [3] B. Wulandari and M. P. Jati, "Design and Implementation of Real-Time Health Vital Sign Monitoring Device with Wireless Sensor-based on Arduino Mega," *Elinvo (Electronics, Informatics, Vocat. Educ.)*, vol. 6, no. 1, pp. 61–70, 2021, doi: 10.21831/elinvo.v6i1.43799.
- [4] S. Khan, S. Ullah, K. Ullah, S. Almutairi, and S. Aftan, "Implementing Autonomous Control in the Digital-Twins-Based Internet of Robotic Things for Remote Patient Monitoring," *Sensors*, vol. 24, no. 17, 2024, doi: 10.3390/s24175840.
- [5] R. Ani, S. Krishna, N. Anju, A. M. Sona, and O. S. Deepa, "IoT based patient monitoring and diagnostic prediction tool using ensemble classifier," *2017 Int. Conf. Adv. Comput. Commun. Informatics, ICACCI 2017*, vol. 2017-Janua, pp. 1588–1593, 2017, doi: 10.1109/ICACCI.2017.8126068.
- [6] N. A. Amirrudin *et al.*, "Heart rate sensor with IoT features," *E3S Web Conf.*, vol. 516, pp. 4–8, 2024, doi: 10.1051/e3sconf/202451605002.
- [7] U. Umiatin, T. N. Laut, R. P. N. Ifa, and M. R. Faisal, "Development of Smart Band for Vital Signs Monitoring System Based on Internet of Things," *J. Phys. Conf. Ser.*, vol. 2866, no. 1, 2024, doi: 10.1088/1742-6596/2866/1/012043.
- [8] A. Meenakshi, K. Leelarani, S. Shopika, and M. Rajasekaran, "An Intelligent Sensor based Automatic Attendance Management System Using IoT," *Int. J. Recent Innov. Trends Comput. Commun.*, vol. 10, no. November, pp. 29–35, 2022, doi: 10.17762/ijritcc.v10i2s.5909

- [9] H. F. A. and S. E. Sohail Aslam¹, Maqsood Ahmad², ~~濟無~~No Title No Title No Title, vol. 7, no. 2. 2021. [Online]. Available: http://www.joi.isoss.net/PDFs/Vol-7-no-2-2021/03_J_ISOSS_7_2.pdf
- [10] S. C. Hepzebah P, D. A, and N. C. Prakash, "IoT in Telemedicine-Review on Smart Health Care Monitoring System With Personalized Treatment," *Ijireeice*, vol. 9, no. 10, pp. 39–45, 2021, doi: 10.17148/ijireeice.2021.91007.
- [11] L. E. Shan, M. Zeedhan, M. H. Baswaid, and N. U. Amin, "IoT-Based Heart Rate Monitoring : A Comparative Analysis of Microcontroller Systems for Real-Time Health Monitoring IoT-Based Heart Rate Monitoring : A Comparative Analysis of Microcontroller Systems for Real-Time Health Monitoring," pp. 0–18, 2025, doi: 10.20944/preprints202503.0968.v1.
- [12] I. M. Adrian Pramuditya, I. G. A. P. Raka Agung, and P. Rahardjo, "Rancang Bangun Alat Uji Periferal Esp32 Devkit V1 - Doit 30 Pin," *J. SPEKTRUM*, vol. 10, no. 4, p. 340, 2023, doi: 10.24843/spektrum.2023.v10.i04.p39.
- [13] M. Muthmainnah and D. B. Tabriawan, "Prototipe Alat Ukur Detak Jantung Menggunakan Sensor MAX30102 Berbasis Internet of Things (IoT) ESP8266 dan Blynk," *JISKA (Jurnal Inform. Sunan Kalijaga)*, vol. 7, no. 3, pp. 163–176, 2022, doi: 10.14421/jiska.2022.7.3.163-176.
- [14] D. Sasmoko, Nur Afifah, and Iman Saufik, "Pengukura Suhu dengan Ir MLX90614 dan NoDeMCU dan Membandingkan dengan Ds18B20 untuk pencegahan Covid 19," *Elkom J. Elektron. dan Komput.*, vol. 14, no. 2, pp. 256–260, 2021, doi: 10.51903/elkom.v14i2.523.
- [15] M. A. Baballe and M. I. Bello, "Gas Leakage Detection System With Alarming System," *Rev. Comput. Eng. Res.*, vol. 9, no. 1, pp. 30–43, 2022, doi: 10.18488/76.v9i1.2984.
- [16] J. Gaikwad, "Smart Surveillance Rover: Real-Time Monitoring with ESP32-CAM and Pan-Tilt Servo Motor Integration," *Int. J. Res. Appl. Sci. Eng. Technol.*, vol. 11, no. 12, pp. 425–430, 2023, doi:

10.22214/ijraset.2023.57362.

- [17] A. Kadam, "Battlefield Vitality: Soldier Health Monitoring and Position Tracking System Using BLYNK IoT Platform," *Int. J. Res. Appl. Sci. Eng. Technol.*, vol. 12, no. 5, pp. 308–311, 2024, doi: 10.22214/ijraset.2024.61196.
- [18] A. Faiña, "Learning Hands-On Electronics from Home: A Simulator for Fritzing," *Lect. Notes Networks Syst.*, vol. 530 LNNS, pp. 404–413, 2023, doi: 10.1007/978-3-031-15226-9_38.
- [19] Z. S. Abdullah, "Design and Build a Children'S Temperature Monitoring System Using the Mlx90614 Temperature Sensor and Nodemcu Esp-12E Based on Android," *J. Eng. Sci. Res.*, vol. 4, no. 1, pp. 18–22, 2022, doi: 10.23960/jesr.v4i1.67.
- [20] Mischianti, "DOIT ESP32 Dev Kit v1 high resolution pinout and specs," Mischianti.org, 2020. [Online]. Tersedia: <https://mischianti.org/doit-esp32-dev-kit-v1-high-resolution-pinout-and-specs/>
- [21] Tokopedia, "MAX30102 Heart Rate Pulse Sensor Oximeter," Tokopedia, 2024. [Online]. Tersedia: <https://www.tokopedia.com/pitoserba/max30102-heart-rate-pulse-sensor-oximeter-max-30102-oxymeter-oxygen>
- [22] Last Minute Engineers, "MLX90614 Infrared Temperature Sensor Arduino Tutorial," Lastminuteengineers.com, 2020. [Online]. Tersedia: <https://lastminuteengineers.com/mlx90614-ir-temperature-sensor-arduino-tutorial/>
- [23] Shopee, "1Pcs LED 5mm Diffused type lampu LED Muram warna light emitting diode," Shopee.co.id, 2024. [Online]. Tersedia: <https://shopee.co.id/1Pcs-led-5mm-Diffused-type-lampu-led-Muram-warna-light-emitting-diode-i.13858870.21195641742>
- [24] Sariteknologi, "Buzzer," sariteknologi.com, 2021. [Online]. Tersedia: <https://sariteknologi.com/product/buzzer/> [Diakses: 4 Juni 2025].
- [25] Last Minute Engineers, "ESP32-CAM Pinout Reference," lastminuteengineers.com. [Online]. Tersedia: <https://lastminuteengineers.com/esp32-cam-pinout-reference/> [Diakses: 4 Juni 2025].