

DAFTAR PUSTAKA

- [1] M. M. Abo-Zahhad, “An IoT-based Smart Wearable E-Health Monitoring System for Patients with Heart Diseases,” *Mansoura Engineering Journal*, vol. 48, no. 6, Sep. 2023, doi: 10.58491/2735-4202.3079.
- [2] W. R. Hidayani and A. F. Santosa, “Wearable IoT dalam Bidang Kesehatan: Tantangan dan Peluang,” *Bincang Sains dan Teknologi*, vol. 3, no. 02, pp. 78–84, Jul. 2024, doi: 10.56741/bst.v3i02.599.
- [3] M. B. Paksi, R. Maulana, and E. Setiawan, “Implementasi Wearable Device pada Monitoring Suhu Tubuh, Denyut Jantung dan Saturasi Oksigen dalam Darah menggunakan Low Power Mode,” 2022. [Online]. Available: <http://j-ptiik.ub.ac.id>
- [4] Sp. Sinha and Cv. Stalin, “AMCOPTER,” *International Research Journal of Engineering and Technology*, 2021, [Online]. Available: www.irjet.net
- [5] W. Chiew Hong, Y. Siong Seng, W. Nur Arifah Mior Idris, T. Chee Yee, T. Hui Mun, and Z. Tukiran, “Evolution of Information, Communication and Computing Systems (EICCS) https Development of IoT-based Health Monitoring System using Blynk.”
- [6] J. Y. Wu, Y. Wang, C. T. S. Ching, H. M. D. Wang, and L. De Liao, “IoT-based wearable health monitoring device and its validation for potential critical and emergency applications,” *Front Public Health*, vol. 11, 2023, doi: 10.3389/fpubh.2023.1188304.
- [7] “tanda vital”.
- [8] S. Patel, H. Park, P. Bonato, L. Chan, and M. Rodgers, “A review of wearable sensors and systems with application in rehabilitation,” 2012. doi: 10.1186/1743-0003-9-21.
- [9] I. W. Arsyadi, “IOT WEARABLE DEVICE HEART RATE MONITORING,” *JOSR: Journal of Social Research Oktober*, vol. 2022, no. 11, pp. 257–262, [Online]. Available:

<http://https://ijsr.internationaljournallabs.com/index.php/ijsr>
<http://ijsr.internationaljournallabs.com/index.php/ijsr>

- [10] K. H. Chambers, “The potential role of wearable technology in monitoring and predicting cardiovascular events in high-risk individuals,” Dec. 01, 2023, *Sociedade Portuguesa de Cardiologia*. doi: 10.1016/j.repc.2023.04.018.
- [11] M. Weenk, S. J. Bredie, M. Koeneman, G. Hesselink, H. Van Goor, and T. H. Van De Belt, “Continuous monitoring of vital signs in the general ward using wearable devices: Randomized controlled trial,” *J Med Internet Res*, vol. 22, no. 6, Jun. 2020, doi: 10.2196/15471.
- [12] Y. Wahyuni and S. P. Wahid, “Alat Mengetahui Presentase Normalisasi Oksigen di Dalam Tubuh Manusia Berbasis Sensor dan Aplikasi Blynk,” *Prosiding Seminar Implementasi Teknologi Informasi dan Komunikasi*, vol. 4, no. 1, 2025, doi: 10.31284/p.semtik.2025-1.7175.
- [13] M. Salem, A. Elkaseer, I. A. M. El-Maddah, K. Y. Youssef, S. G. Scholz, and H. K. Mohamed, “Non-Invasive Data Acquisition and IoT Solution for Human Vital Signs Monitoring: Applications, Limitations and Future Prospects,” Sep. 01, 2022, *MDPI*. doi: 10.3390/s22176625.
- [14] M. A. Saputro, E. R. Widarsari, and H. Fitriyah, “Implementasi Sistem Monitoring Detak Jantung dan Suhu Tubuh Manusia Secara Wireless,” 2017. [Online]. Available: <http://j-ptiik.ub.ac.id>
- [15] I. F. Wijayanti, E. R. Widarsari, and B. H. Prasetyo, “Implementasi Wearable Device untuk Sistem Pendekripsi Stres pada Manusia berdasarkan Suhu Tubuh dan Detak Jantung,” 2022. [Online]. Available: <http://j-ptiik.ub.ac.id>
- [16] P. Karina and A. H. Thohari, “Perancangan Alat Pengukur Detak Jantung Menggunakan Pulse Sensor Berbasis Raspberry,” 2018. [Online]. Available: <http://jurnal.polibatam.ac.id/index.php/JAIC>

- [17] I. Hasanah *et al.*, “Pengaruh Perbedaan Suhu Terhadap Pengukuran Saturasi Oksigen Menggunakan Pulse Oximetry AFILIASI.” [Online]. Available: <https://journal.unej.ac.id/JEI>
- [18] “PROTOTIPE ALAT MONITORING DETAK JANTUNG PORTABEL MENGGUNAKAN ARDUINO PRO MINI DAN BLUETOOTH BERBASIS ANDROID.”
- [19] H. H. Abrianto, K. Sari, and D. Irmayani, “Sistem Monitoring Dan Pengendalian Data Suhu Ruang Navigasi Jarak Jauh Menggunakan WEMOS D1 Mini,” *Jurnal Nasional Komputasi dan Teknologi Informasi*, vol. 4, no. 1, 2021.
- [20] N. N. Putu Yuni, J. Pebralia, and Y. Citra Dewi dan Hendro Abstrak, *Studi Penerapan Sensor MLX90614 Sebagai Pengukur Suhu Tinggi secara Non-kontak Berbasis Arduino dan Labview*.
- [21] I. Putu, E. Sukadana, F. Y. Limpraptono, and M. Ardita, “Jurnal Skripsi SISTEM PENGECEKAN SUHU TUBUH MENGGUNAKAN SENSOR INFRA RED GY-906 MLX90614 BERBASIS ARDUINO.”
- [22] “General Description.” [Online]. Available: www.maximintegrated.com
- [23] N. N. Sari, M. N. Gani, R. A. Maharani Yusuf, and R. Firmando, “Telemedicine for silent hypoxia: Improving the reliability and accuracy of Max30100-based system,” *Indonesian Journal of Electrical Engineering and Computer Science*, vol. 22, no. 3, pp. 1419–1426, Jun. 2021, doi: 10.11591/ijeecs.v22.i3.pp1419-1426.
- [24] K. H. Chambers, “The potential role of wearable technology in monitoring and predicting cardiovascular events in high-risk individuals,” Dec. 01, 2023, *Sociedade Portuguesa de Cardiologia*. doi: 10.1016/j.repc.2023.04.018.
- [25] “Jurnal Muhammad Iqbal Firdaus (F1B017066)”.
- [26] “blynk”.
- [27] S. L. Rosa, M. F. Evizal, and F. Assidiqi, “Patient Monitoring System Used Smart Sensor Technology Internet of Things and AI,” *Int J Sci*

- Res*, vol. 4, no. 2, pp. 43–48, Apr. 2025, doi: 10.25299/ijsr.2024.21941.
- [28] K. P., “A Sensor based IoT Monitoring System for Electrical Devices using Blynk framework,” *Journal of Electronics and Informatics*, vol. 2, no. 3, pp. 182–187, Aug. 2020, doi: 10.36548/jei.2020.3.005.
 - [29] A. Idris Balarabe, A. Caroline Omonatse, Z. Suleiman, and S. Nathaniel, “Crimson Publishers Wings to the Research Implementation of a Real-Time Wearable Vital Signs Monitoring System for Online Medical Consultation”, doi: 10.31031/TTEH.2025.05.000619.
 - [30] P. B. Niranjane and S. Y. Amdani, “A Survey of Recent Applications of Improved Dijkstra’s Shortest Path Algorithm,” *International Research Journal of Engineering and Technology*, 2020, [Online]. Available: www.irjet.net