

DAFTAR PUSTAKA

- [1] rakhmadany primananda Arsal wildan naviaddin, barlian henryanu prasetio, “Sistem Identifikasi Kesehatan Berdasarkan Detak Jantung, Kadar Oksigen dan Suhu Tubuh Menggunakan Metode Fuzzy Mamdani,” 2023.
- [2] F. Imelda and S. Kep, “Oksigenasi dan Proses Keperawatan,” 2009.
- [3] S. N. Nona, “Invited Review,” *Restor. Neurol. Neurosci.*, vol. 12, no. 1, pp. 1–11, 1998, doi: 10.3233/rnn-1998-00016.
- [4] M. S. Ummah, “No 主観的健康感を中心とした在宅高齢者における健康関連指標に関する共分散構造分析Title,” *Sustain.*, vol. 11, no. 1, pp. 1–14, 2019, [Online]. Available: http://scioteca.caf.com/bitstream/handle/123456789/1091/RED2017-Eng-8ene.pdf?sequence=12&isAllowed=y%0Ahttp://dx.doi.org/10.1016/j.regsciurbeco.2008.06.005%0Ahttps://www.researchgate.net/publication/305320484_SISTEM_PEMBETUNGAN_TERPUSAT_STRATEGI_MELESTARI
- [5] J. F. A. Murphy, “Global initiative for asthma: 2000,” *Ir. Med. J.*, vol. 93, no. 5, p. 135, 2000.
- [6] S. Dinicola *et al.*, “Grape seed extract triggers apoptosis in Caco-2 human colon cancer cells through reactive oxygen species and calcium increase: Extracellular signal-regulated kinase involvement,” *Br. J. Nutr.*, vol. 110, no. 5, pp. 797–809, 2013, doi: 10.1017/S0007114512006095.
- [7] W. Rima Agustin, S. Dani Saputro, N. Nur Zaidah, and S. Susilowati, “Pengaruh Pemasangan Niv (Non Invasive Ventilation) Dan Hfnc (High Flow Nasal Cannula) Terhadap Frekuensi Nafas Dan Saturasi Oksigen Pada Pasien Happy Hipoxia Terkonfirmasi Covid-19,” *J. Kesehat. Kusuma Husada*, vol. 14, no. 2, pp. 104–113, 2023, doi: 10.34035/jk.v14i2.1091.
- [8] A. Hidayat, S. Subono, V. A. Wardhany, I. N. Syamsiana, and N. A. Agustina, “Aplikasi Sistem Pendeteksi Kadar Saturasi Oksigen dan Detak Jantung Untuk Monitoring Pencegahan Hipoksia,” *J. Eltek*, vol. 20, no. 2, pp. 33–40, 2022, doi: 10.33795/eltek.v20i2.348.
- [9] B. Harianto, A. Hidayat, and F. N. Hulu, “ANALISIS PENGGUNAAN SENSOR MAX30100 PADA SISTEM PENDETEKSI DETAK JANTUNG

- BERBASIS IoT BLYNK,” *Semin. Nas. Teknol.*, vol. 2021, no. SemanTECH, pp. 238–245, 2021.
- [10] Y. Inayatullah, A. H. Ginting, and S. Y. Doo, “Rancang Bangun Sistem Monitoring Detak Jantung Dan Saturasi Oksigen Menggunakan Oximeter Max30102,” vol. 1, no. 2, pp. 53–58, 2025.
- [11] L. Aditya and D. Riska, “Rancang Bangun Alat Pengukur Kadar Oksigen Non Invasive Menggunakan Sensor Max30100,” *Https://Medium.Com/*, vol. 4, no. 3, pp. 248–253, 2020, [Online]. Available: <https://medium.com/@arifwicaksanaa/pengertian-use-case-a7e576e1b6bf%0Ahttps://doi.org/10.1016/j.biteb.2021.100642>
- [12] H. Kuswoyo, E. Susana, and H. Tjahjadi, “Design of Personal Health Monitoring Devices for Early Detection of Silent Hypoxia,” *Teknik*, vol. 43, no. 1, pp. 8–16, 2022, doi: 10.14710/teknik.v43i1.42752.
- [13] Depdiknas, *Pusat Perbukuan Depdiknas*. 2007. [Online]. Available: Bukupaket.com
- [14] F. Rozie, F. Hadary, and F. T. P. W, “Jumlah Denyut Nadi / Jantung Berbasis Android,” *J. Tek. Elektro Univ. Tanjungpura*, vol. 1, no. 1, pp. 1–10, 2018.
- [15] A. Aprilia and T. S. Solli, “SISTEM MONITORING REALTIME DETAK JANTUNG DAN KADAR OKSIGEN DALAM DARAH PADA MANUSIA BERBASIS IoT (INTERNET of THINGS),” *Foristek*, vol. 10, no. 2, pp. 95–103, 2021, doi: 10.54757/fs.v10i2.43.
- [16] S. Hidayatulah, A. M. R, and Darjat, “Perancangan Alat Pengukur Detak Jantung Dengan Sensor Fotodiode Berbasis Photoplethysmography (PPG) Menggunakan ATMEGA32A,” *Transient*, vol. 4, no. 2, pp. 312–316, 2015.
- [17] S. D. Islamie, “Memantau Kondisi Pasien Isolasi Mandiri Covid-19 Dengan Menggunakan Sensor Max30100,” *SinarFe7 (Seminar Nas. Fortel Reg. 7)*, pp. 478–480, 2019.
- [18] J. Elektronika, D. D. Maulana, N. Kholis, H. K. Wardana, and I. Ummah, “PENERAPAN SENSOR MAX30100 UNTUK MENGUKUR SISTEM DENYUT JANTUNG DAN KADAR OKSIGEN DALAM DARAH MENGGUNAKAN NODEMCU ESP32,” vol. 3, no. 2, pp. 39–51, 2025.
- [19] “Technical Reference,” 2017.

- [20] N. Shittain Mitu, V. T. Vassilev, and M. Tabany, “Low Cost, Easy-to-Use, IoT and Cloud-Based *Real-Time* Environment Monitoring System Using ESP8266 Microcontroller,” vol. 6, no. February, pp. 30–44, 2021, [Online]. Available: <http://www.iaras.org/iaras/journals/ijitws>
- [21] R. Saputra and B. Yulianti, “Alat Pendeteksi Originalitas Baterai Tipe 18650 Berbasis Arduino Nano,” *J. ...*, pp. 2–6, 2021, [Online]. Available: <https://journal.universitassuryadarma.ac.id/index.php/jti/article/view/776%0Ahttps://journal.universitassuryadarma.ac.id/index.php/jti/article/viewFile/776/751>
- [22] E. Kurniawan, B. Rahmat, T. Mulyana, and J. Alhilman, “Data analysis of Li-Ion and lead acid batteries discharge parameters with Simulink-MATLAB,” *2016 4th Int. Conf. Inf. Commun. Technol. ICoICT 2016*, no. April 2019, pp. 10–15, 2016, doi: 10.1109/ICoICT.2016.7571959.
- [23] U. M. D. E. C. D. E. Los, “No 主観的健康感を中心とした在宅高齢者における健康関連指標に関する共分散構造分析Title,” pp. 21–27.
- [24] N. Kusumawati and R. Inggi, “Prototype Sistem Pengendali Lampu Rumah Berbasis Mikrokontroler Menggunakan SMS,” *Simkom*, vol. 6, no. 2, pp. 95–103, 2022, doi: 10.51717/simkom.v6i2.87.
- [25] D. A. Jakaria and M. R. Fauzi, “Aplikasi Smartphone Dengan Perintah Suara Untuk Mengendalikan Saklar Listrik Menggunakan Arduino,” *JUTEKIN (Jurnal Tek. Inform.)*, vol. 8, no. 1, 2020, doi: 10.51530/jutekin.v8i1.462.
- [26] A. Rofii, S. Gunawan, and A. Mustaqim, “RANCANG BANGUN SISTEM PENGAMAN PINTU GUDANG BERBASIS Internet of Things (IoT) DAN SENSOR Fingerprint,” vol. 2, pp. 70–76, 2022.
- [27] M. F. Adriant and I. Mardianto, “Implementasi Wireshark Untuk Penyadapan (Sniffing) Paket Data Jaringan,” *Semin. Nas. Cendekiawan*, pp. 224–228, 2015, [Online]. Available: <https://www.trijurnal.lemlit.trisakti.ac.id/semnas/article/download/139/138>
- [28] Haries Anom Susetyo Aji Nugroho, Sonhaji, and Andika Chandra Prasetyo, “Evaluasi Kinerja Jaringan WiFi Mahasiswa: AnalisisThroughput, Delay, Jitter, dan Packet loss,” *Informatika*, vol. 8, no. 1, pp. 23–27, 2024.

- [29] R. F. Aswariza, D. Perdana, and R. M. Negara, “Analisis Throughput Dan Skalabilitas Virtualized Network Function VyOS Pada Hypervisor VMWare ESXi, XEN, DAN KVM,” *J. Infotel*, vol. 9, no. 1, p. 70, 2017, doi: 10.20895/infotel.v9i1.173.
- [30] H. Adi Saputra and G. Mahendra Saputra, “Analisis QOS Jaringan 4G Dengan Menggunakan Aplikasi Wireshark,” *Pros. Semin. Nas. Ilmu Komput. dan Teknol. Inf.*, vol. 5, no. 1, pp. 13–18, 2020.
- [31] A. I. Diwi, R. R. Mangkudjaja, and I. Wahidah, “Analisis Kualitas Layanan Video Live Streaming pada Jaringan Lokal Universitas Telkom,” *Bul. Pos dan Telekomun.*, vol. 12, no. 3, p. 207, 2015, doi: 10.17933/bpostel.2014.120304.