

DAFTAR PUSTAKA

- [1] Kemalasari and M. Rochmad, "DETEKSI KADAR SATURASI OKSIGEN DARAH (SpO₂) DAN DETAK JANTUNG SECARA NON-INVASIF DENGAN SENSOR CHIP MAX30100," *J. Nas. Teknol. Terap.*, vol. 4, no. 1, pp. 35–50, 2022, doi: 10.22146/jntt.v4i1.4804.
- [2] S. Khairunnisa, I. D. Gede, H. Wisana, I. Priyambada, C. Nugraha, and J. T. Elektromedik, "Rancang Bangun Pulse Oximeter Berbasis Iot (Internet of Things)," *E-Journal Poltekas Kemenkes Surabaya*, pp. 1–9, 2018.
- [3] F. R. N. Fadhilah, I. D. G. H. Wisana, and P. C. Nugraha, "Rancang Bangun Alat Pengukur," *J. Teknokes*, vol. 14, no. 1, pp. 20–27, 2021, doi: 10.35882/teknokes.v14i1.4.
- [4] R. A. Anatriera, "Aktivitas Spesifik Katalase Jaringan Ginjal Tikus yang Diinduksi Hipoksia Hipobarik Akut Berulang," vol., no., pp. 6–34, 2009.
- [5] Y. Dai and J. Luo, "Design of noninvasive pulse oximeter based on bluetooth 4.0 BLE," *Proc. - 2014 7th Int. Symp. Comput. Intell. Des. Isc. 2014*, vol. 1, no. 3, pp. 100–103, 2015, doi: 10.1109/ISCID.2014.45.
- [6] I. Muljono, "Diajukan untuk memenuhi persyaratan memperoleh gelar Sarjana Teknik pada Jurusan Teknik Elektro Universitas Katolik Widya Mandala Surabaya Oleh :, " 2018.

- [7] D. Rahmawarni and H. Harmadi, “Sistem Monitoring Saturasi Oksigen dan Denyut Nadi dalam Darah Menggunakan Sensor Max30100 Via Telegram Berbasis IoT,” *J. Fis. Unand*, vol. 10, no. 3, pp. 377–383, 2021, [Online]. Available: <http://jfu.fmipa.unand.ac.id/index.php/jfu/article/view/726>
- [8] S. Edriati, L. Husnita, E. Amri, A. A. Samudra, and N. Kamil, “Penggunaan Mit App Inventor untuk Merancang Aplikasi Pembelajaran Berbasis Android,” *E-Dimas J. Pengabd. Kpd. Masy.*, vol. 12, no. 4, pp. 652–657, 2021, doi: 10.26877/e-dimas.v12i4.6648.
- [9] Kozier, “Saturasi Oksigen,” *J. Chem. Inf. Model.*, vol. 53, no. 9, pp. 1689–1699, 2011.
- [10] A. Ahla Zacky Yarfa’ul, Musafa, ““Pengendalian Suhu Dengan Metode PID Pada Alat Penetas Telur,”” *J. Maest.*, vol. 2, no. 2, pp. 493–501, 2019.
- [11] A. S. Utomo, E. H. P. Negoro, and M. Sofie, “Monitoring Heart Rate Dan Saturasi Oksigen Melalui Smartphone,” *Simetris J. Tek. Mesin, Elektro dan Ilmu Komput.*, vol. 10, no. 1, pp. 319–324, 2019, doi: 10.24176/simet.v10i1.3024.
- [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] U. Salamah, A. N. Izziyah, and A. A. Raharjo, “Validasi Pulse oximeter dalam Penentuan Kadar Oksigen dalam Darah,” *J. Teor. dan Apl. Fis.*, vol.

- 8, no. 2, pp. 135–140, 2020, doi: 10.23960/jtaf.v8i2.2588.
- [14] 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.
- [15] R. A. Pratama, I. A. Bangsa, and R. Rahmadewi, “Implementasi Sensor Detak Jantung MAX30100 dan Sensor Konduktansi Kulit GSR menggunakan Mikrokontroler Arduino Pada Alat Pendeteksi Tingkat Stress,” *J. Ilm. Wahana Pendidik.*, vol. 6, no. 3, pp. 295–307, 2020, doi: 10.5281/zenodo.4541288.
- [16] W. G. Shun, W. M. W. Muda, W. H. W. Hassan, and A. Z. Annuar, “Wireless Sensor Network for Temperature and Humidity Monitoring Systems Based on NodeMCU ESP8266,” 2020, pp. 262–273.
- [17] E. A. Suprayitno, M. R. Marlianto, and M. I. Mauliana, “Measurement device for detecting oxygen saturation in blood, heart rate, and temperature of human body,” *J. Phys. Conf. Ser.*, vol. 1402, no. 3, 2019, doi: 10.1088/1742-6596/1402/3/033110.
- [18] J. Su *et al.*, “Real-time Fusion of ECG and SpO2 Signals to Reduce False Alarms,” *Comput. Cardiol. (2010)*, vol. 2018-Septe, pp. 1–4, 2018, doi: 10.22489/CinC.2018.163.

- [19] O. Y. Hay *et al.*, “Pulse oximetry with two infrared wavelengths without calibration in extracted arterial blood,” *Sensors (Switzerland)*, vol. 18, no. 10, 2018, doi: 10.3390/s18103457.
- [20] M. Proenca *et al.*, “Performance Assessment of a Dedicated Reflectance Pulse Oximeter in a Neonatal Intensive Care Unit,” *Proc. Annu. Int. Conf. IEEE Eng. Med. Biol. Soc. EMBS*, vol. 2018-July, pp. 1502–1505, 2018, doi: 10.1109/EMBC.2018.8512504.
- [21] W. Koishi, M. Kumagai, S. Ogawa, S. Hongo, and K. Suzuki, “Monitoring the Oxygen Reserve Index can contribute to the early detection of deterioration in blood oxygenation during one-lung ventilation,” *Minerva Anesthesiol.*, vol. 84, no. 9, pp. 1063–1069, 2018, doi: 10.23736/S0375-9393.18.12622-8.