

## DAFTAR PUSTAKA

- Abdurrohman, Rijal, Angga Rusdinar, dan Agus Ganda Permana. 2017. "Rancang Bangun Sistem Pengiriman Data Elektrokardiograf Dengan Media Wifi." *E-Proceeding of Engineering*: 3270–77.
- Acharya, U. R., Fujita, H., Sudarshan, V. K., Oh, S. L., Adam, M., & Tan, R. S. 2017. "Automated detection and classification of normal and arrhythmic ECG beats using nonlinear features and support vector machine." *Journal of Mechanics in Medicine and Biology* 17(07): 1740004.
- Ahmed, M. U., Begum, S., & Islam, M. S. (2010). Heart Rate and Inter-beat Interval Computation to Diagnose Stress Using ECG Sensor Signal. *MRTC Report*, 4.
- Akbar, Muhammad Alif, dan Satria Mandala. 2018. "IoT on Heart Arrhythmia Real Time Monitoring." *Indonesian Journal on Computing (Indo-JC)* 3(2): 1.
- Al-Fuqaha, Ala et al. 2015. "Internet of Things: A Survey on Enabling Technologies, Protocols, and Applications." *IEEE Communications Surveys and Tutorials* 17(4): 2347–76.
- Alfarizi, M. Riziq Sirfatullah et al. 2023. "Pemakaian Python Guna Bahasa Pemrograman dalam Machine Learning dan Deep Learning." *Karya Ilmiah Mahasiswa Bertauhid (KARIMAH TAUHID)* 2(1): 1–6.
- Ariansyah, Putri Marlina, dan Khana Wijaya. 2021. "Rancang Bangun Sistem Informasi Akademik Berbasis Web: Studi Kasus: SD Negeri 18 Tanah Abang." *Jurnal Pengembangan Sistem Informasi dan Informatika* 2(3): 138–56.
- Arimon, J. A. (2006). *Development, Validation*. 1–3.

- Aulia, dan Sukamto. 2017. “Deteksi Dini Aritmia Jantung Lewat Denyut Nadi Memakai Algoritma Grammatical Evolution.” *SENTER 2017: Seminar Nasional Teknik Elektro*: 289–97. <https://senter.ee.uinsgd.ac.id/repositori/index.php/prosiding/article/view/senter2017p32/32%0Ahttp://senter.ee.uinsgd.ac.id/repositori/index.php/prosiding/article/view/senter2017p32>.
- Bonow, R. O., Mann, D. L., Zipes, D. P., Libby, P. 2020. “Braunwald’s Heart Disease: A Textbook of Cardiovascular Medicine (12th ed.)” *Elsevier*.
- Chakrabarti S, Stuart AG. 2005. “Understanding cardiac arrhythmias. Arch Dis Child.” : 1086–90.
- Cinotti, Eliana et al. 2024. “Monitoring and Atrial Fibrillation Detection.”
- Clifford, G. D., Azuaje, F., & McSharry, P. 2006. “Advanced Methods and Tools for ECG Data Analysis.” *Artech House*.
- Danielle, Widjaja Karen, Setiawan Arie Andreas, dan Ariosta. 2017. “Karena Hipertiroid.” *Jurnal Kedokteran Diponegoro* 6(2): 434–42.
- Deris, Anugrah. 2019. “Sistem Informasi Darurat Pada Mini Market Memakai Mikrokontroler Esp8266 Berbasis Internet of Things.” *Komputasi: Jurnal Ilmiah Ilmu Komputer dan Matematika* 16(2): 283–88.
- Fachru Reza, Zulfian, dan Taryana Suryana. 2022. “Health Monitoring Applications Using Android-Based Smartwatch.” *Jurnal Penelitian Mahasiswa Teknik Dan Ilmu Komputer* 2(2): 85–92.
- Gunawan, Rahmat, Arif Maulana Yusuf, dan Lysa Nopitasari. 2021. “Rancang Bangun Sistem Presensi Mahasiswa Dalam Memakai Qr Code Berbasis Android.” *Elkom: Jurnal Elektronika dan Komputer* 14(1): 47–58.

- Gupta, H., & Saini, A. 2019. "IoT Based Environmental Monitoring using ThingSpeak." *International Journal of Computer Applications* 177(7): 23–27.
- Gustini, Erma, Budi Rahmadya, dan Fajril Akbar. 2017. "Sistem Deteksi Penderita Aritmania Berlandasan Jumlah Detak Jantung Berbasis Smartphone." *Prosiding Semnastek* (November): 1–2.
- Guyton, A. C., & Hall, J. E. 2021. "Textbook of Medical Physiology (14th ed.)." *Elsevier*.
- Hakim, Denisson Arif. 2017. "Alat Monitoring Denyut Jantung Berbasis Mikrokontroler Interface Laptop Alat Monitoring Denyut Jantung Berbasis." *Program studi Teknik Elektro, Universitas Muhammadiyah Surakarta*.
- Handayani, Ahmad. 2017. "Sistem Konduksi Jantung." *Buletin Farmatera* 2(3): 116.
- Hariri, Ria, Lutfi Hakim, dan Riska Fita Lestari. 2019. "Sistem Monitoring Detak Jantung Memakai Sensor AD8232 Berbasis Internet of Things." *Jurnal Telekomunikasi dan Komputer* 9(3): 164.
- Hidayat, Taufik, Ahmaddani, dan Munawir. 2021. "Sistem Remote Kontrol Listrik Berbasis Mediacloud Thingspeak." *Karya Ilmiah Fakultas Teknik (KIFT* 1(1): 36–43.
- Hodge, Abhiyash, Humnabadkar, Hriskesh, and Bidwas. 2018. "Pemantaun Heart Rate Wireless Dan Sistem Waspada." *IEEE*.
- Holman, J. P. (2012). *Experimental methods for engineers (8th ed.)*. McGraw-Hill.
- IEC. 2011. "Medical electrical equipment – Part 2-25: Persyaratan artikular guna keselamatan dasar serta kinerja penting elektrokardiograf." Komisi Elektroteknik Internasional.

- Ifa Susuek Anselmus Talli, Wiliam, Joseph Dedy Irawan, dan Fransiskus Xaverius Ariwibisono. 2023. “Rancang Bangun Sistem Monitoring Mutu Tanah Guna Tanaman Cabai Berbasis Iot (Internet of Things).” *JATI (Jurnal Mahasiswa Teknik Informatika)* 7(4): 2428–35.
- Imron, Amaludin. 2020. “Merancang Gelang Pendeteksi Detak Jantung Berbasis Arduino Memakai Metode Ergonomic FUnction Deployment (EFD).” 7(1): 96–103.
- Islam, Md Reazul et al. 2023. “Sistem IoT Berbasis Pembelajaran Mendalam untuk Pemantauan Jarak Jauh dan Deteksi Dini Masalah Kesehatan Secara Real-Time.” *Sensors* 23(11): 1–18.
- Jain, A., Vigneshwaran, P. S., & Veeramuthu, V. 2017. “Sistem pemantauan EKG portabel berbasis IoT menggunakan AD8232 dan NodeMCU.” *Jurnal Internasional Penelitian Lanjutan dalam Ilmu Komputer* 8(9): 63–67.
- Jamaludin. 2023. “Perancangan Sensor Digital Ultrasonik Berbasis Mikrokontroler.” 03: 65–68.
- Kasik, V., Penhaker, M., Kubicek, J., Cerny, M., Augustynek, M., Oczka, D., & Krestanova, A. (2019). Design and implementation of monitor tester for validation of ECG signals. *BIODEVICES 2019 - 12th International Conference on Biomedical Electronics and Devices, Proceedings; Part of 12th International Joint Conference on Biomedical Engineering Systems and Technologies, BIOSTEC 2019, Biostec*, 127–133. <https://doi.org/10.5220/0007248001270133>.
- Kementerian Kesehatan Republik Indonesia. 2022. “Laporan Tahunan 2022 Mencegah dan mengendalikan Penyakit Tidak Menular (PTM).” *Lebih Awal Lebih Baik*: 41.

- Kligfield, P., Gettes, L. S., Bailey, J. J. 2017. “Rekomendasi guna standarisasi juga interpretasi elektrokardiogram: bagian I: elektrokardiogram dan teknologinya.” *Circulation* 115(10): 1306–1324.
- Knight, D. J. 1990. “Construction techniques and control.” Penghalang tanah liat untuk bendungan tanggul. Prosiding Konferensi, London, 1989 6(6): 73–86.
- Kusumandewi, R., Sari, M. M., & Prasetyo, A. 2022. “Mengenalkan Pola Irama Jantung Normal dan Abnormal pada Sinyal EKG Menggunakan Metode Wavelet dan K-Nearest Neighbor.” *Jurnal Media Informatika Budidarma* 6(2): 411–420.
- Kusumoto, F. M. 2019. “Pedoman Evaluasi dan Penatalaksanaan Pasien dengan Bradikardia dan Keterlambatan Konduksi Jantung.” *Circulation* 140(8): 382–482.
- Laksono, R. 2021. “Interpretasi Elektrokardiogram (EKG) Normal dan Tidak Normal.” *Jurnal Kedokteran* 2(1): 35–42.
- Muhajirin, Ashari, Fadhila Tenri Sanga. 2018. “Perancangan Sistem Pengukur Detak Jantung.” 8: 31–41.
- Permana, Dian et al. 2015. “Desain Dan Implementasi Perancangan Elektrokardiogram (EKG) Berbasis Bluetooth.” *ALHAZEN Journal of Physics* 2(1): 38–46.
- Pradipta Permana, Melza, dan Ahmad Tri Hanuranto. 2019. “Rancang Bangun Alat Pendeteksi Dini Penderita Aritmia Berbasis Internet of Things (Iot) Early Detection Tool Architecture Sufferers Arrhythmias Based on Internet of Things (Iot).” *e-Proceeding of Engineering* 6(2): 4727–35.

- Putra, R. A., & Budiharto, W. 2021. “Sistem Monitoring Detak Jantung Berbasis IoT Menggunakan Sensor AD8232 dan ESP8266.” *Jurnal Teknik ITS* 10(2): A106–A111.
- Plonsey, R., & Barr, R. C. (2007). *Bioelectricity: A quantitative approach* (3rd ed.). Springer.
- Rachmawardani, Agustina et al. 2023. “Wireless Sensor Network (WSN) of a flood monitoring system based on the Internet of Things (IoT).” *E3S Web of Conferences* 464.
- Randi Iria Ramadhan. 2018. “Pendeteksi Penyakit Aritmia Memakai Metode Fitur Interval Peak RR Dan Backpropagation Conjugate Gradient Powell Beale.” *Telkom University*.
- Savitri, Diah Eka. 2020. “Gelang Pengukur Detak Jantung dan Suhu Tubuh Manusia Berbasis Internet of Things (IoT).” *UIN Syarif Hidayatullah Jakarta*: 1–87.
- Shaffer, F., & Ginsberg, J. P. 2017. “An Overview of Heart Rate Variability Metrics and Norms.” *Frontiers in Public Health* 5: 258.
- Sörnmo, L., & Laguna, P. (2005). *Bioelectrical Signal Processing in Cardiac and Neurological Applications*. Elsevier Academic Press.
- Suhendar, D.T., Zaidy, A.B., dan Sachoemar, S.I. 2020. “Profil Oksigen Terlarut, Total Padatan Tersuspensi, Amonia, Nitrat, Fosfat Dan Suhu Pada Tambak Intensif Udang Vanamei.” *Akuatek* 1: 1–11.
- Ummah, Masfi Sya'fiatul. 2019. “MEDICAL INSTRUMENT DESIGN AND DEVELOPMENT FROM REQUIREMENTS TO MARKET PLACEMENTS.” *Sustainability (Switzerland)* 11(1): 1–14. [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](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).

- Webster, J. G. (2010). *Medical Instrumentation: Application and Design* (4th ed.). *John Wiley & Sons*.
- Wibisono, Billy Mulia. 2018. "Rancang Bangun Alat Pendeteksi Detak Jantung Bayi Prematur Menggunakan Pulse Sensor Berbasis Mikrokontroler Yang Terintegrasi Pada Model Inkubator Bayi." 1: 103–8.
- Yuniadi, Y. 2010. "Bradikardia Simtomatik: Mekanisme dan Tatalaksana." *Indonesian Journal of Cardiology* 31(3): 215–216.
- Yuniadi, Y. 2013. "Sindrom Bradi-Takiaritmia. Indonesian Journal of Cardiology." *Indonesian Journal of Cardiology* 34(4): 292–294.
- Zhang, Z., Pi, Z., & Liu, B. 2015. "TROIKA: A General Framework for Heart Rate Monitoring Using Wrist-Type Photoplethysmographic Signals During Intensive Physical Exercise." *IEEE Transactions on Biomedical Engineering* 62(2): 522–531.
- Zipes, D. P., Jalife, J., Stevenson, W. G. 2018. "Cardiac Electrophysiology: From Cell to Bedside (7th ed.)." *Elsevier*.