

Daftar Pustaka

- [1] Devina Benhans dkk, “Deteksi Gangguan Kesehatan Melalui Analisis Suara: Pendeteksian Gejala Pernapasan Abnormal dan Suara Jantung tidak sehat menggunakan Kecerdasan Buatan,” *Journal of Information System and Technology*, 2020, doi: 10.37253/joint.v4i3.8477.
- [2] NHLBI, “Arrhythmias - What Is an Arrhythmia? |.” Accessed: Mar. 31, 2024. [Online]. Available: <https://www.nhlbi.nih.gov/health/arrhythmias>
- [3] “Deteksi Gangguan Kesehatan Melalui Analisis Suara Pendeteksian Gejala Pernapasan Abnormal dan Suara Jantung tidak sehat menggunakan Kecerdasan Buatan”.
- [4] X. Sun, G. Wei, S. Zhang, Y. Li, and C. Wang, “Arrhythmia Classification Method Based on SECNN-LSTM,” 2023, doi: 10.21203/rs.3.rs-3624910/v1.
- [5] Asif Rizwana Naz, Ditta Allah, Alquahayz Hani, and Abbas Sagheer, “Detecting Electrocardiogram Arrhythmia Empowered with Weighted Learning,” vol. XX, 2017, doi: 10.1109/ACCESS.2023.3347610.
- [6] S. Aziz, M. U. Khan, M. Alhaisoni, T. Akram, and M. Altaf, “Phonocardiogram signal processing for automatic diagnosis of congenital heart disorders through fusion of temporal and cepstral features,” *Sensors (Switzerland)*,

vol. 20, no. 13, pp. 1–20, Jul. 2020, doi: 10.3390/s20133790.

- [7] Y. Arjoun, T. Nguyen, R. Doroshov, and R. Shekhar, “A Noise-Robust Heart Sound Segmentation Algorithm Based on Shannon Energy,” 2023, doi: 10.1109/ACCESS.2017.DOI.
- [8] A. Pratima, K. Gopalakrishna, and S. N. Prasad, “Study and analysis on detection, classification, and prediction of cardiac arrhythmia using soft computing tool,” in *Journal of Physics: Conference Series*, Institute of Physics, 2023. doi: 10.1088/1742-6596/2571/1/012010.
- [9] J. Zhang, R. Yao, J. Gao, G. Li, and H. Wu, “A Novel Method For Automatic Detection Of Arrhythmias Using The Unsupervised Convolutional Neural Network,” *Journal of Artificial Intelligence and Soft Computing Research*, vol. 13, no. 3, pp. 181–196, Jun. 2023, doi: 10.2478/jaiscr-2023-0014.
- [10] T. H. Chowdhury, K. N. Poudel, and Y. Hu, “Time-Frequency Analysis, Denoising, Compression, Segmentation, and Classification of PCG Signals,” *IEEE Access*, vol. 8, pp. 160882–160890, 2020, doi: 10.1109/ACCESS.2020.3020806.
- [11] S. Agarwal, Y. Upmon, M. Zubair, S. Member, and S. Rafi

- Ahamed, “A Peak Detection Algorithm for Localization and Classification of Heart Sounds in PCG Signals using K-means Clustering,” 2021.
- [12] V. N. Varghees and K. I. Ramachandran, “Multistage decision-based heart sound delineation method for automated analysis of heart sounds and murmurs,” *Healthc Technol Lett*, vol. 2, no. 6, pp. 156–163, 2015, doi: 10.1049/htl.2015.0010.
- [13] S. Duan, W. Wang, S. Zhang, X. Yang, Y. Zhang, and G. Zhang, “A Bionic MEMS Electronic Stethoscope with Double-Sided Diaphragm Packaging,” *IEEE Access*, vol. 9, pp. 27122–27129, 2021, doi: 10.1109/ACCESS.2021.3058148.
- [14] A. F. Rohman, M. R. Mak’ruf, T. Triwiyanto, L. Lamidi, and P.-H. Huynh, “Analysis of the Effectiveness of Using Digital Filters in Electronic Stethoscopes,” *Journal of Electronics, Electromedical Engineering, and Medical Informatics*, vol. 4, no. 4, Oct. 2022, doi: 10.35882/jeeemi.v4i4.256.
- [15] Liliana. Rogozea and WSEAS (Organization), *A New Digital Stethoscope with Environmental Noise Cancellation*. WSEAS, 2010.
- [16] C.-L. Chen and H.-C. Chen, “A Hybrid Approach

Combining Rule-Based and Anomaly-Based Detection Against DDoS Attacks,” *International Journal of Network Security & Its Applications*, vol. 8, no. 5, pp. 1–18, Sep. 2016, doi: 10.5121/ijnsa.2016.8401.

- [17] F. Ahmed, Fatema-Tuj-Johora, R. J. Chakma, S. Hossain, and D. Sarma, “A Combined Belief Rule based Expert System to Predict Coronary Artery Disease,” in *Proceedings of the 5th International Conference on Inventive Computation Technologies, ICICT 2020*, Institute of Electrical and Electronics Engineers Inc., Feb. 2020, pp. 252–257. doi: 10.1109/ICICT48043.2020.9112540.
- [18] R. Martinek *et al.*, “Passive Fetal Monitoring by Advanced Signal Processing Methods in Fetal Phonocardiography,” *IEEE Access*, 2020, doi: 10.1109/ACCESS.2020.3043496.
- [19] H. Liang, S. Lukkarinen, and I. Hartimo, “Heart Sound Segmentation Algorithm Based on Heart Sound Envelopogram.”
- [20] D. Alexander and A. Bhavik, “Heart Sound Classification Reimagined: Ensembled Deep Cardio Sound Approach,” 2023. [Online]. Available: <https://www.researchgate.net/publication/373434496>

- [21] D. Suranta Ginting *et al.*, *Anatomi Fisiologi Tubuh Manusia*. 2022. [Online]. Available: www.globaleksekutifteknologi.co.id
- [22] D. Suranta Ginting *et al.*, *Anatomi Fisiologi Tubuh Manusia*. Padang: PT. Global Eksekutif Teknologi, 2022. [Online]. Available: www.globaleksekutifteknologi.co.id
- [23] Wirnyana Made dkk, *Kardiologi dan Kedokteran Vaskular*. Yogyakarta: Penerbit Lontar Mediatama, 2020.
- [24] Rampengan Starry, *Praktis Kardiologi*. Jakarta: Badan Penerbist FKUI, 2014. [Online]. Available: www.bpfkui.com
- [25] A. N. Pelech, “The physiology of cardiac auscultation,” 2004, *W.B. Saunders*. doi: 10.1016/j.pcl.2004.08.004.
- [26] R. M. Potdar, M. R. M. Potdar, M. Meshram, N. Dewangan, and R. Kumar, “IJIREEICE 8 Implementation of Adaptive Algorithm for PCG Signal Denoising,” *INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN ELECTRICAL, ELECTRONICS, INSTRUMENTATION AND CONTROL ENGINEERING*, vol. 3, pp. 2321–5526, 2015, doi: 10.13140/RG.2.1.3507.2082.
- [27] F. H. Sipayung, K. N. Ramadhani, and A. Arifianto, “Pengukuran Detak Jantung Menggunakan Metode

Fotoplethysmograf,” *eProceedings of Engineering*, vol. 5, no. 2, Aug. 2018, Accessed: Apr. 15, 2024. [Online]. Available:

<https://openlibrarypublications.telkomuniversity.ac.id/index.php/engineering/article/view/6766>

- [28] Pintaningrum Yusra, Rahmat Basuki, and Ermawan Romi, *Ilmu Penyakit Jantung dan Pembulu Darah*. Mataram: PT. Percetakan Bali, 2019.
- [29] Adha Nur Qahar, “Desain Alat Ukur Denyut Jantung Dan Saturasi Oksigen Pada Anak Menggunakan Satu Sensor.” Accessed: Apr. 15, 2024. [Online]. Available: <https://dspace.uui.ac.id/handle/123456789/11820>
- [30] Y. Tominaga *et al.*, “Risk factors for atrial arrhythmia recurrence after atrial arrhythmia surgery with pulmonary valve replacement,” *JTCVS Open*, vol. 14, pp. 123–133, Jun. 2023, doi: 10.1016/j.xjon.2023.04.012.
- [31] S. Alinsaif, “Unraveling Arrhythmias with Graph-Based Analysis: A Survey of the MIT-BIH Database,” *Computation*, vol. 12, no. 2, p. 21, Jan. 2024, doi: 10.3390/computation12020021.
- [32] F. de Vere *et al.*, “Managing arrhythmia in cardiac resynchronisation therapy,” 2023, *Frontiers Media SA*. doi: 10.3389/fcvm.2023.1211560.

- [33] N. Aulia, M. Ulfa, B. Arinova, and R. Wulandari, “THE ROLE OF CARDIOVASCULAR TECHNICIANS IN ARRYTHMIA LABORATORIES MENGENAL PERAN TEKNISI KARDIOVASKULER DI LABORATORIUM ARITMIA.”
- [34] D. Arief Kurnia and H. Hermawan, “ARRHYMON: ALAT MONITORING IRAMA JANTUNG PORTABEL UNTUK PENDERITA GANGGUAN ARITMIA JANTUNG,” 2020.
- [35] A. Hasan and Z. Bahri, “Comparative Study on Heart Anomalies Early Detection Using Phonocardiography (PCG) Signals,” *International Journal of Computing and Digital Systems*, vol. 14, no. 1, pp. 643–655, Oct. 2023, doi: 10.12785/ijcnds/140180.
- [36] A. Kumar, R. Me Scholar, A. Misal, G. R. Sinha, and A. Director, “Classification of PCG Signals: A Survey,” 2014.
- [37] M. M. Huda *et al.*, “Monitoring Suara Jantung Phonocardiograph Berbasis Android”.
- [38] P. Madona, A. Arifin, T. A. Sardjono, and R. Hendradi, “Segmentasi Suara Jantung S1 dan S2 Menggunakan Kurva Amplop”, Accessed: Feb. 26, 2024. [Online]. Available:

https://www.researchgate.net/publication/235666808_Segmentasi_Suara_Jantung_S1_dan_S2_Menggunakan_Kurva_Amplop

- [39] F. Beritelli and S. Serrano, "Biometric identification based on frequency analysis of cardiac sounds," *IEEE Transactions on Information Forensics and Security*, vol. 2, no. 3, pp. 596–604, Sep. 2007, doi: 10.1109/TIFS.2007.902922.
- [40] M. Nizam, H. Yuana, and Z. Wulansari, "Mikrokontroler ESP 32 Sebagai Alat Monitoring Pintu Berbasis Web," 2022.
- [41] R. Juanda and I. Z. Yadi, "Penerapan Rule Based Dengan Algoritma Viterbi Untuk Deteksi Kesalahan Huruf Kapital Pada Karya Ilmiah," 2020. [Online]. Available: <https://journal-computing.org/index.php/journal-cisa/index>
- [42] Abadi Songga dan Asril Fitra, "Mekanisme Penetapan Ambang Batas (Threshold) Terhadap Stabilitas Sistem Presidensial Dan Sistem Multipartai Sederhana Di Indonesia," *Jurnal Konstitusi dan Demokrasi*, vol. 2, no. 1, Jun. 2022, doi: 10.7454/jkd.v2i1.1202.