DAFTAR PUSTAKA

[1]   D. Dona, H. Maradona, and M. Masdewi, "Sistem Pakar Diagnosa Penyakit Jantung Dengan Metode Case Based Reasoning (Cbr)," *Zo. J. Sist. Inf.*, vol. 3, no. 1, pp. 1–12, 2021, doi: 10.31849/zn.v3i1.6442.

[2]   E. Y. A. B. S. Jumayanti, Anggi Lukman Wicaksana, "KUALITAS HIDUP PASIEN DENGAN PENYAKIT KARDIOVASKULAR DI YOGYAKARTA," vol. 13, no. 1, pp. 1–12, 2020.

[3]   S. Ghiasi, M. Abdollahpur, N. Madani, and A. Ghaffari, "Nonlinear analysis of heart sounds for the detection of cardiac disorders using recurrence quantification analysis," *Comput. Cardiol. (2010).*, vol. 44, pp. 1–4, 2017, doi: 10.22489/CinC.2017.184-330.

[4]   V. A. Arundy, I. Fitri, and E. Mardiani, "Implementasi Metode Penalaran CBR dalam Mengidentifikasi Gejala Awal Penyakit Jantung menggunakan Algoritma Sorensen Coeffient," *J. JTIK (Jurnal Teknol. Inf. dan Komunikasi)*, vol. 5, no. 3, p. 306, 2021, doi: 10.35870/jtik.v5i3.220.

[5]   S. Leng, R. S. Tan, K. T. C. Chai, C. Wang, D.

Ghista, and L. Zhong, "The electronic stethoscope," *Biomed. Eng. Online*, vol. 14, no. 1, pp. 1–37, 2015, doi: 10.1186/s12938-015-0056-y.

[6]   N. F. Hikmah *et al.*, "Analisis Multimodal Sinyal Jantung (Ecg , Pcg Dan Carotid Pulse) Untuk Klasifikasi Jantung Normal Dan Abnormal Multimodal Cardiac Signals Analysis (Ecg , Pcg And Carotid Pulse) For Normal And Abnormal Heart Classification," 2016.

[7]   M. F. Syahputra, R. F. Rahmat, and J. A. Sitepu, "Visualisasi Suara Jantung Manusia Pada Platform Mobile," *Lentera*, vol. 15, no. 6, pp. 66–72, 2015.

[8]   L. Hidayat *et al.*, "EVALUASI PERSEPSI KEGUNAAN , DAN KEMUDAHAN , WIRELESS STETHOSCOPE," vol. 9, no. 1, pp. 143–148, 2021.

[9]   O. A. P. Kumar Joyanta, Tanmay Sinha, Nirupama Mandal, "A Simple technique for heart sound detection and identification using kalman filter in real time analysis Joyanta," *Int. Symp. Sens. Instrum. IoT Era*, 2018, doi: 10.1109/ISSI.2018.8538255.

[10]   W. Y. Shi, J. Mays, and J. C. Chiao, "A wireless

stethoscope," *2015 IEEE MTT-S Int. Microw. Work. Ser. RF Wirel. Technol. Biomed. Healthc. Appl. IMWS-BIO 2015 - Proc.*, pp. 197–198, 2015, doi: 10.1109/IMWS-BIO.2015.7303845.

[11]   F. Ningsih, "Jantung Menggunakan Transform Jantung," 2018.

[12]   M. M. Huda, Miftakhunnurudin, and R. A. Wicaksono, "Monitoring Suara Jantung Phonocardiograph Berbasis Android," pp. 25–30, 2019.

[13]   S. 1Jurusan T. M. A. T. W. S. J. R. S. B. km 2 K. G. S. S. Suhartoyo, "Fakultas Teknik – Universitas Muria Kudus 153," *Pros. SNATIF ke-4 Tahun 2017*, pp. 153–160, 2017.

[14]   M. Chowdhury, K. Poudel, and Y. Hu, "Detecting Abnormal PCG Signals and Extracting Cardiac Information Employing Deep Learning and the Shannon Energy Envelope," *2020 IEEE Signal Process. Med. Biol. Symp. SPMB 2020 - Proc.*, pp. 8–11, 2020, doi: 10.1109/SPMB50085.2020.9353624.

[15]   T. S. Prameswari and K. Nisa, "Perbedaan tekanan darah sistolik dan diastolik setelah gilir jaga malam

pada mahasiswa Fakultas Kedokteran Universitas Lampung," *Med. J. Lampung Univ.*, vol. 2, no. 4, pp. 1–8, 2013.

[16] A. K. Abbas and R. Bassam, *Phonocardiography Signal Processing*. 2009.

[17] S. KM, "The Innocent Heart Mwrnur in Children," no. October, 1997.

[18] Santoso M and Setiawan T, "Artikel Penyakit Jantung Koroner," *Cermin Dunia Kedokt.*, no. 147, pp. 5–9, 2005.

[19] N. Abdollah, W. F. W. Ahmad, and E. A. P. Akhir, "Development and usability study of multimedia courseware for slow learners: 'Komputer Saya,'" *2012 Int. Conf. Comput. Inf. Sci. ICCIS 2012 - A Conf. World Eng. Sci. Technol. Congr. ESTCON 2012 - Conf. Proc.*, vol. 2, pp. 1110–1114, 2012, doi: 10.1109/ICCISci.2012.6297192.

[20] M. A. A. Amal, D. Zulherman, and R. Widadi, "Klasifikasi Sinyal Phonocardiogram Menggunakan Short Time Fourier Transform dan Convolutional Neural Network," *J. Teknol. Inf. dan Ilmu Komput.*, vol. 10, no. 2, pp. 237–244, 2023, doi: 10.25126/jtiik.20231015424.

[21] S. M. Debbal, "Model of Differentiation between Normal and Abnormal Heart Sounds in Using the Discrete Wavelet Transform," *J. Med. Bioeng.*, vol. 3, no. 1, pp. 5–11, 2014, doi: 10.12720/jomb.3.1.5-11.

[22] A. Rizal, "Stetoskop Elektronik Sederhana Berbasis PC dengan Fasillitas Pengolahan Sinyal Digital untuk Auskultasi Jantung dan Paru," pp. 236–239, 2006.

[23] A. Maier, A. Sharp, and Y. Vagapov, "Comparative analysis and practical implementation of the ESP32 microcontroller module for the internet of things," *2017 Internet Technol. Appl. ITA 2017 - Proc. 7th Int. Conf.*, pp. 143–148, 2017, doi: 10.1109/ITECHA.2017.8101926.

[24] M. Babiuch, P. Foltynek, and P. Smutny, "Using the ESP32 microcontroller for data processing," *Proc. 2019 20th Int. Carpathian Control Conf. ICCC 2019*, pp. 1–6, 2019, doi: 10.1109/CarpathianCC.2019.8765944.

[25] D. Rahmawati, H. Haryanto, and F. Sakariya, "the Design of Coconut Maturity Prediction Device With Acoustic Frequency Detection Using Naive

Bayes Method Based Microcontroller," *JEEMECS (Journal Electr. Eng. Mechatron. Comput. Sci.*, vol. 2, no. 1, 2019, doi: 10.26905/jeemecs.v2i1.2806.

[26] S. Farah and B. Hussin, "Design of Butterworth Band-Pass Filter Design of Butterworth Band-Pass Filter Electrical Engineering Department," no. January 2016, 2020.

[27] E. Budiasih, A. Rizal, and S. Sabril, "Pengembangan Stetoskop Elektronik dan Software Analisis Auskultasi," *Konferensi Nasional Sistem Informasi*. pp. 287–291, 2011.

[28] E. P. Astutik and S. R. Fitriatien, "Pengaruh Software Matlab Terhadap Kemampuan Menyelesaikan Masalah Program Linier," *FIBONACCI J. Pendidik. Mat. dan Mat.*, vol. 5, no. 2, p. 175, 2019, doi: 10.24853/fbc.5.2.175-182.

[29] Zuhri, "Metode Simpleks Yang Direvisi Dengan pemrograman Matlab," *Ilman*, vol. 6, no. 2, pp. 62–69, 2018.

[30] A. Xiong, Z. Zhao, H. Yang, X. Wang, and W. Wang, "Research on automatic heart sound segmentation algorithm based on feature fusion envelope," *Proc. - 2020 5th Int. Conf. Mech.*

Control Comput. Eng. ICMCCE 2020, pp. 1727–1731, 2020, doi: 10.1109/ICMCCE51767.2020.00379.

[31] D. Johnson, "Signal-to-noise ratio," *Scholarpedia*, vol. 1, no. 12, p. 2088, 2006, doi: 10.4249/scholarpedia.2088.

[32] A. Rachmat and A. W. Mahastama, "Konsep & Implementasi Pemrograman GUI," no. August, pp. 1–33, 2016.

[33] M. S. Azis, L. Hakim, and Walim, "Perancangan Aplikasi Berbasis Desktop Dengan Microsoft Visual Basic (Studi Kasus: Aplikasi Absensi Anak Magang 1.0)," *J. Responsif Ris. Sains dan Inform.*, vol. 2, no. 1, pp. 44–52, 2020, doi: 10.51977/jti.v2i1.170.

[34] T. H. Chowdhury, K. N. Poudel, and Y. Hu, "Time-Frequency Analysis, Denoising, Compression, Segmentation, and Classification of PCG Signals," *IEEE Access*, vol. 8, no. September, pp. 160882–160890, 2020, doi: 10.1109/ACCESS.2020.3020806.

HALAMAN INI SENGAJA DIKOSONGKAN