# DAFTAR PUSTAKA

[1]   M. Hutasuhut, T. Tugiono, and A. H. Nasyuha, "Analisis Aritmia (Gangguan Irama Jantung) Menerapkan Metode Certainty Factor," *J. Media Inform. Budidarma*, vol. 5, no. 4, p. 1386, 2021, doi: 10.30865/mib.v5i4.3289.

[2]   R. Astriratma, M. M. Santoni, and H. N. Irmanda, "Spk Berbasis Web Menggunakan Logika Fuzzy Untuk Diagnosa Penyakit Jantung," *JSI J. Sist. Inf.*, vol. 12, no. 2, pp. 2046–2059, 2020, doi: 10.36706/jsi.v12i2.10788.

[3]   D. A. Kurnia and H. Hermawan, "ARRHYMON: Alat Monitoring Irama Jantung Portabel untuk Penderita Gangguan Aritmia Jantung," *Calyptra*, vol. 9, no. 1, 2020, [Online]. Available: https://journal.ubaya.ac.id/index.php/jimus/article/view/4612.

[4]   A. Page, T. Soyata, J. P. Couderc, and M. Aktas, "An open source *ECG* clock generator for visualization of long-term cardiac monitoring data," *IEEE Access*, vol. 3, pp. 2704–2714, 2015, doi: 10.1109/ACCESS.2015.2509426.

[5]   V. P. Ivel, Y. V. Gerasimova, S. S. Moldakhmetov, P. A. Petrov, and I. A. Gerasimov, "Wireless *Holter Monitor*ing system with a dual-core processor," *IOP Conf. Ser. Mater. Sci. Eng.*, vol. 919, no. 2, 2020, doi: 10.1088/1757-899X/919/2/022040.

[6]   V. P. Ivel, Y. V. Gerasimova, S. S. Moldakhmetov,

P. A. Petrov, I. A. Gerasimov, and K. V. Zainchkovskaya, "Wireless three-channel *Holter Monitor*ing system," *IOP Conf. Ser. Mater. Sci. Eng.*, vol. 537, no. 3, 2019, doi: 10.1088/1757-899X/537/3/032090.

[7]    D. Trisuciyani, T. Hamzah, and E. D. S, "Implementasi Filter Digital Untuk Mengurangi *Motion* Artefak Pada Alat Holter," *Pros. Semin. Nas. Kesehat.*, pp. 1–7, 2020.

[8]    D. Nofitasari, I. D. G. H. Wisana, T. Triwiyanto, E. D. Setioningsih, M. R. Mak'ruf, and P. C. Nugraha, "A low-cost *Holter Monitor* design equipped with external memory and Bluetooth connection," *IOP Conf. Ser. Mater. Sci. Eng.*, vol. 850, no. 1, p. 012020, May 2020, doi: 10.1088/1757-899X/850/1/012020.

[9]    Z. Annisa, P. C. Nugraha, and M. R. Makruf, "An Advanced *Holter Monitor* Using AD8232 and MEGA 2560," *J. Teknokes*, vol. 14, no. 2, pp. 80–87, Oct. 2021, doi: 10.35882/teknokes.v14i2.6.

[10]   T. M. Chieng, Y. W. Hau, and Z. Omar, "The study and comparison between various digital filters for *ECG* de-noising," *2018 IEEE EMBS Conf. Biomed. Eng. Sci. IECBES 2018 - Proc.*, pp. 226–232, 2019, doi: 10.1109/IECBES.2018.8626661.

[11]   R. A. Rachman, I. D. G. H. Wisana, and P. C. Nugraha, "Development of a Low-Cost and Effisient *ECG* devices with *IIR* Digital Filter Design," *Indones. J. Electron. Electromed. Eng. Med. informatics*, vol. 3, no. 1, pp. 21–28, 2021,

doi: 10.35882/ijeeemi.v3i1.4.

[12]   M. U. Zahid *et al.*, "Robust R-Peak Detection in Low-Quality Holter *ECG*s Using 1D Convolutional Neural Network," *IEEE Trans. Biomed. Eng.*, vol. 69, no. 1, pp. 119–128, 2022, doi: 10.1109/TBME.2021.3088218.

[13]   W. Yang, H. Jiang, Y. Yin, and Z. Wang, "A 4-µW Analog Front End Achieving 2.4 NEF for Long-Term *ECG* Monitoring," *IEEE Trans. Biomed. Circuits Syst.*, vol. 15, no. 4, pp. 655–665, 2021, doi: 10.1109/TBCAS.2021.3084152.

[14]   A. Galli, G. Frigo, D. Chindamo, A. Depari, M. Gadola, and G. Giorgi, "Denoising *ECG* Signal by CSTFM Algorithm: Monitoring during Motorbike and Car Races," *IEEE Trans. Instrum. Meas.*, vol. 68, no. 7, pp. 2433–2441, 2019, doi: 10.1109/TIM.2019.2906989.

[15]   H. Ozkan, O. Ozhan, Y. Karadana, M. Gulcu, S. Macit, and F. Husain, "A portable wearable tele-*ECG* monitoring system," *IEEE Trans. Instrum. Meas.*, vol. 69, no. 1, pp. 173–182, 2020, doi: 10.1109/TIM.2019.2895484.

[16]   S. Kiranyaz, T. Ince, and M. Gabbouj, "Real-Time Patient-Specific *ECG* Classification by 1-D Convolutional Neural Networks," *IEEE Trans. Biomed. Eng.*, vol. 63, no. 3, pp. 664–675, 2016, doi: 10.1109/TBME.2015.2468589.

[17]   G. Aditya Mahendra Oka and A. Pudji, "Design of Vital Sign Monitor with *ECG*, BPM, and

Respiration Rate Parameters," *Indones. J. Electron. Electromed. Eng. Med. informatics*, vol. 3, no. 1, pp. 34–38, 2021, doi: 10.35882/ijeeemi.v3i1.6.

[18]    B. C. Towe, "XmE mXadW1 -," no. 12, pp. 1980–1981, 1981.

[19]    H. Kim, R. F. Yazicioglu, P. Merken, C. Van Hoof, and H. J. Yoo, "*ECG* signal compression and classification algorithm with quad level vector for *ECG* holter system," *IEEE Trans. Inf. Technol. Biomed.*, vol. 14, no. 1, pp. 93–100, 2010, doi: 10.1109/TITB.2009.2031638.

[20]    J. Lee, D. D. McManus, S. Merchant, and K. H. Chon, "Automatic *motion* and noise *artifact* detection in holter *ECG* data using empirical mode decomposition and statistical approaches," *IEEE Trans. Biomed. Eng.*, vol. 59, no. 6, pp. 1499–1506, 2012, doi: 10.1109/TBME.2011.2175729.

[21]    N. Anastastya *et al.*, "Perancangan Media Informasi Tentang Aritmia Jantung Bagi Anak Remaja Usia 15-20 Tahun Abstrak Pendahuluan Metode Penelitian," *J. DKV Adiwarna*, vol. 1, no. 8, pp. 1–9, 2016.

[22]    C. Caroline, N. H. Shabrina, M. R. Ao, N. Laurencya, and V. Lee, "Analisis Aplikasi Filter FIR dan Filter *IIR* dalam Pra-pemrosesan Sinyal Elektroensefalografi," *Ultim. Comput. J. Sist. Komput.*, vol. 12, no. 1, pp. 40–48, 2020, doi: 10.31937/sk.v12i1.1621.

[23]    U. Murdika and Y. Mulyani, "Perancangan Dan

Simulasi Filter *IIR* Menggunakan Graphical User Interface (GUI)," *Electrician*, vol. 11, no. 3, pp. 114–118, 2018, doi: 10.23960/elc.v11n3.2060.

[24] P. F. *IIR*, U. Akhir, and S. Take, "MATLAB GUI Filter *IIR* , filter *IIR* , dan Emage Prosessing," pp. 0–11, 2017.

[25] S. P. D. Sriyanto, "Pengaruh Penggunaan Filter *Butterworth* pada Penentuan Waktu Tiba Gelombang P," *JST (Jurnal Sains dan Teknol.*, vol. 7, no. 2, pp. 168–177, 2018, doi: 10.23887/jstundiksha.v7i2.13013.

[26] Z. Xu *et al.*, "Abnormality classification from electrocardiograms with various *Lead* combinations," *Physiol. Meas.*, vol. 43, no. 7, 2022, doi: 10.1088/1361-6579/ac70a4.

[27] W. Besio and A. Prasad, "Analysis of skin-electrode impedance using concentric ring electrode," *Annu. Int. Conf. IEEE Eng. Med. Biol. - Proc.*, pp. 6414–6417, 2006, doi: 10.1109/IEMBS.2006.260048.

[28] E. Shape, "3-D Finite Element Modeling Analysis of Epiretinal Electrical Stimulation," no. 61273368, pp. 3–7.

[29] D. T. Kusuma, "Fast Fourier Transform (*FFT*) Dalam Transformasi Sinyal Frekuensi Suara Sebagai Upaya Perolehan Average Energy (AE) Musik," *Petir*, vol. 14, no. 1, pp. 28–35, 2020, doi: 10.33322/petir.v14i1.1022.

[30]  C. S. Burrus, "Fast Fourier Transforms Collection Editor," pp. 70–75, 1991.

[31]  R. H. Ria Hariri, L. H. Lutfi Hakim, and R. F. L. Riska Fita Lestari, "Sistem Monitoring Detak Jantung Menggunakan Sensor AD8232," *J. Zetroem*, vol. 2, no. 2, pp. 1–5, 2020, doi: 10.36526/ztr.v2i2.1017.

[32]  C. Y. W. Kartiria Kartiria, Erhaneli Erhaneli, "Penerapan Mikrokontroller Arduino Mega 2560 sebagai Monitoring pada Pembacaan Arus 3 Phasa di Gardu Induk 150 kV Lubuk Alung," *J. Tek. Elektro*, vol. 10, no. 1, pp. 37–45, 2021.

[33]  M. Thowil Afif and I. Ayu Putri Pratiwi, "Analisis Perbandingan Baterai Lithium-Ion, Lithium-Polymer, *Lead* Acid dan Nickel-Metal Hydride pada Penggunaan Mobil Listrik - Review," *J. Rekayasa Mesin*, vol. 6, no. 2, pp. 95–99, 2015, doi: 10.21776/ub.jrm.2015.006.02.1.

[34]  M. Hilman, "Image Viewer Berbasis Arduino," *J. Mosfet*, vol. 1, no. 2, pp. 5–8, 2021, doi: 10.31850/jmosfet.v1i2.937.

[35]  D. C. Costache, L. A. Perisoara, and A. Florescu, "FPGA Implementation of a *SD Card* Controller using SPI communication," *Proc. 12th Int. Conf. Electron. Comput. Artif. Intell. ECAI 2020*, pp. 4–7, 2020, doi: 10.1109/ECAI50035.2020.9223238.

[36]  A. B. Pratomo and R. S. Perdana, "Arduviz, a visual programming IDE for arduino," *Proc. 2017 Int. Conf. Data Softw. Eng. ICoDSE 2017*, vol. 2018-

Janua, pp. 1–6, 2018, doi: 10.1109/ICODSE.2017.8285871.

[37] M. R. Silalahi, A. Virgono, and R. E. Saputra, "Alat Pengolahan Informasi MP3 Sistem Pengumuman RT/RW Berbasis Arduino," *e-Proceeding Eng.*, vol. 10, no. 1, pp. 183–189, 2023.

[38] E. Ratnasih, P. C. Nugraha, and D. Tirtasari, "Analisis Pengiriman Data Pada Rancang Bangun *ECG* Dengan LoRa Wireless (Sadapan Pada *Lead* I, II, dan, III)," *Pros. Semin. Nas. Kesehat.* , pp. 1–13, 2020.

[39] A. Atina, "Aplikasi Matlab pada Teknologi Pencitraan Medis," *J. Penelit. Fis. dan Ter.*, vol. 1, no. 1, p. 28, 2019, doi: 10.31851/jupiter.v1i1.3123.

Halaman ini sengaja dikosongkan