

## DAFTAR PUSTAKA

- [1] M. Rifali and D. Irmawati, “Sistem Cerdas Deteksi Sinyal Elektrokardiogram (EKG) untuk Klasifikasi Jantung Normal dan Abnormal Menggunakan Jaringan Syaraf Tiruan (JST),” *Elinvo (Electronics, Informatics, Vocat. Educ.*, vol. 4, no. 1, pp. 49–55, 2019, doi: 10.21831/elinvo.v4i1.28242.
- [2] S. HADIYOSO, M. JULIAN, A. RIZAL, and S. AULIA, “Pengembangan Perangkat EKG 12 Lead dan Aplikasi Client-Server untuk Distribusi Data,” *ELKOMIKA J. Tek. Energi Elektr. Tek. Telekomun. Tek. Elektron.*, vol. 3, no. 2, p. 91, 2015, doi: 10.26760/elkomika.v3i2.91.
- [3] G. B. Adityaputra, T. Tasripan, and T. A. Sardjono, “Rancang Bangun Elektrokardiograf 12-Leads Untuk Sistem Pengawasan Kesehatan Jantung Jarak Jauh,” *J. Tek. ITS*, vol. 8, no. 1, 2019, doi: 10.12962/j23373539.v8i1.38341.
- [4] Hasyim Ali Imran, “Peran Sampling Peran Sampling Dan Distribusi Data Dalam Penelitian Komunikasi Pendekatan Kuantitatif (the Role of Sampling and Data Distribution in Communication Research Quantitative Approach),” *J. Stud. Komun. dan Media* , vol. 21, no. 1, pp. 111–126, 2017.
- [5] K. Ykjc, “Kguwko Ykjc, Y.Y].,A].”.
- [6] D. Firmansyah and Dede, “Teknik Pengambilan Sampel Umum dalam Metodologi Penelitian: Literature Review,” *J. Ilm. Pendidik. Holistik*, vol. 1, no. 2, pp. 85–114, 2022, doi:

10.55927/jiph.v1i2.937.

- [7] “Pencuplikan dan Kuantisasi Landasan pemikiran”.
- [8] B. G. Irianto, B. Budhiaji, and S. Syaifudin, “Design of electro cardiograph machine based on ATmega microcontroller,” *Indones. J. Electr. Eng. Comput. Sci.*, vol. 2, no. 2, pp. 328–333, 2016, doi: 10.11591/ijeecs.v2.i2.pp328-333.
- [9] A. Agustiawan Surtono and G. A. Pauzi, “Computer Based 12 Lead ECG Data Acquisition Instrumentation System,” *J. Teor. dan Apl. Fis.*, vol. 04, no. 01, pp. 67–76, 2016.
- [10] E. Ajdaraga and M. Gusev, “Analysis of sampling frequency and resolution in ECG signals,” *2017 25th Telecommun. Forum, TELFOR 2017 - Proc.*, vol. 2017-Janua, pp. 1–4, 2018, doi: 10.1109/TELFOR.2017.8249438.
- [11] T. N. Nguyen, T. T. Duong, H. Omer, A. Sulieman, and D. A. Bradley, “The Design and Construction of a 12-Channel Electrocardiogram Device Developed on an ADS1293 Chip Platform,” *Electron.*, vol. 12, no. 11, 2023, doi: 10.3390/electronics12112389.
- [12] K. He, G. Zhong, X. Ding, and C. Yang, “Recognition of Premature Ventricular Contraction Beat from 12Lead ECG Based on A Novel Detection Function of QRS Onset,” *Proc. Annu. Int. Conf. IEEE Eng. Med. Biol. Soc. EMBS*, vol. 2020-July, pp. 349–352, 2020, doi: 10.1109/EMBC44109.2020.9175775.

- [13] E. L. Supono, D. Titisari, and I. M. P. A. T. P, “12 Channel Modular Electrocardiograph ( ECG ) Design for PC Display ( Unipolar Leads aVR , aVL , aVF ),” pp. 1–9, 2022.
- [14] M. W. Gifari, H. Zakaria, and R. Mengko, “Design of ECG Homecare:12-lead ECG acquisition using single channel ECG device developed on AD8232 analog front end,” *Proc. - 5th Int. Conf. Electr. Eng. Informatics Bridg. Knowl. between Acad. Ind. Community, ICEEI 2015*, pp. 371–376, 2015, doi: 10.1109/ICEEI.2015.7352529.
- [15] M. H. Fan, M. H. Guan, Q. C. Chen, and L. H. Wang, “Three-lead ECG detection system based on an analog front-end circuit ADS1293,” *2017 IEEE Int. Conf. Consum. Electron. - Taiwan, ICCE-TW 2017*, pp. 107–108, 2017, doi: 10.1109/ICCE-China.2017.7991018.
- [16] N. V. Wardhani *et al.*, “A Portable Vital Sign Device with Liquid Crystal Display TFT Touchscreen,” *Proc. - 2019 Int. Semin. Appl. Technol. Inf. Commun. Ind. 4.0 Retrospect. Prospect. Challenges, iSemantic 2019*, pp. 429–433, 2019, doi: 10.1109/ISEMANTIC.2019.8884351.
- [17] V. M. Tarawan, R. Lesmana, H. Gunawan, and J. W. Gunadi, “Gambaran Pengetahuan Pencegahan Penyakit Jantung Koroner pada Warga Dusun III Desa Mekarmanik Kecamatan Cimenyan Kabupaten Bandung,” *J. Pengabd. Kpd. Masy.*, vol. 4, no. 1, pp. 10–14, 2020.
- [18] A. S. D. Manihuruk, “No Title,” *Ranc. akuisisi data*

*frekuensi detak jantung Berbas. mikrokontroller AT89s51*, pp. 16–19, 2010.

- [19] A. Handayani, “Sistem Konduksi Jantung,” *Bul. Farmatera*, vol. 2, no. 3, p. 116, 2017, doi: 10.30596/bf.v2i3.1197.
- [20] L. Irawati, “Aktifitas Listrik pada Otot Jantung,” *J. Kesehat. Andalas*, vol. 4, no. 2, pp. 596–599, 2015, doi: 10.25077/jka.v4i2.306.
- [21] I. Standards and B. Society, *Part 10418 : Device specialization — International Normalized Ratio ( INR ) monitor IEEE Engineering in Medicine and Biology Society Sponsored by the*, no. November. 2011.
- [22] M. Rochmad, K. Kemalasari, and R. Sigit, “Pendeteksian Sinyal Jantung Pqrst Dengan Chip Biopotensial Dan Telepon Seluler Tiga Lead,” *Semnas Ristek (Seminar Nas. Ris. dan Inov. Teknol.*, vol. 7, no. 1, pp. 210–216, 2023, doi: 10.30998/semnasristek.v7i1.6274.
- [23] T. Ads, T. Ads, and T. Ads, “ADS1293 Low-Power , 3-Channel , 24-Bit Analog Front-End for Biopotential Measurements,” 2014.
- [24] T. D. Neycheva and T. V. Stoyanov, “High Resolution Front End for ECG Signal Processing,” *Electron. 2007*, pp. 61–66, 2007.
- [25] H. Wu, L. Ji, and J. Wu, “Context-aware monitoring of cardiac health,” *Appl. Mech. Mater.*, vol. 239–240, pp. 785–793, 2013, doi:

10.4028/www.scientific.net/AMM.239-240.785.

- [26] ST Microelectronics Inc., “STM32F765xx, STM32F767xx Datasheet,” no. May, 2017, [Online]. Available: <https://pdf1.alldatasheet.com/datasheet-pdf/view/933989/STMICROELECTRONICS/STM32F767ZI.html>
- [27] “Tutorial STM32F767”.
- [28] R. I. Darmawan, A. Surtono, D. K. Apriyanto, and A. Supriyanto, “Design of Computer Based 12 Lead ECG Using STM32F401 Microcontroller,” *J. Energy, Mater. Instrum. Technol.*, vol. 3, no. 4, pp. 147–156, 2022, doi: 10.23960/jemit.v3i4.127.
- [29] J. Tan, Y. Chen, and S. Jiao, *Visual Studio Code in Introductory Computer Science Course: An Experience Report*, vol. 1, no. 1. Association for Computing Machinery, 2023. [Online]. Available: <http://arxiv.org/abs/2303.10174>
- [30] M. R. S. Alfarizi, M. Z. Al-farish, M. Taufiqurrahman, G. Ardiansah, and M. Elgar, “Penggunaan Python Sebagai Bahasa Pemrograman untuk Machine Learning dan Deep Learning,” *Karya Ilm. Mhs. Bertauhid (KARIMAH TAUHID)*, vol. 2, no. 1, pp. 1–6, 2023.
- [31] M. Romzi and B. Kurniawan, “Implementasi Pemrograman Python Menggunakan Visual Studio Code,” *JIK J. Inform. dan Komput.*, vol. 11, no. 2, pp. 1–9, 2020, [Online]. Available: [www.python.org](http://www.python.org)