

DAFTAR PUSTAKA

- [1] “Doppler portable,” vol. 7, no. 2, pp. 644–649, 2012.
- [2] P. Kurniaji, P. Kurniaji, H. Pirngadi, and T. A. Sardjono, “Perancangan dan Simulasi Ultrasonik Doppler Gelombang Kontinyu 4MHz Berbasis Mikrokontroler ATmega16,” *J. Tek. ITS*, vol. 2, no. 1, pp. A42–A45, 2013, [Online]. Available: <http://ejurnal.its.ac.id/index.php/teknik/article/view/2362>.
- [3] N. A. N. B. M. Shabry, O. P. Singh, P. Sardana, R. B. Hisham, and M. B. Malarvili, “Home based fetal heart rate monitor,” *Int. J. Appl. Eng. Res.*, vol. 12, no. 6, pp. 813–817, 2017.
- [4] N. Chabibah and E. N. Laela, “Perbedaan Frekuensi Denyut Jantung Janin Berdasarkan Paritas Dan Usia Kehamilan,” *Siklus J. Res. Midwifery Politek. Tegal*, vol. 6, no. 1, pp. 195–198, 2017, doi: 10.30591/siklus.v6i1.471.
- [5] I. S. Faradisa, T. A. Sardjono, and M. H. Purnomo, “Teknologi Pemantauan Kesejahteraan Janin,” *Semin. Nas. Inov. Dan Apl. Teknol. Di Ind. 2017*, pp. 1–6, 2017.
- [6] M. Farahi *et al.*, “Beat-to-Beat Fetal Heart Rate Analysis Using Portable Medical Device and Wavelet Transformation Technique,” pp. 1–6, 2021, [Online]. Available: <http://arxiv.org/abs/2103.01014>.
- [7] D. Zulherman, J. Hendry, and I. Fuadina Adam, “Perbandingan Real-Valued dan Complex Wavelet Transform pada Denoising Sinyal Fetal-Phonocardiograms (Comparison of Fetal-Phonocardiogram Signal Denoising based on Real-Valued and Complex Wavelet Transform),” *J. Nas. Tek.*

- Elektro dan Teknol. Inf.*, vol. 9, no. 1, pp. 63–72, 2020, doi: 10.22146/jnteti.v9i1.144.
- [8] R. Martinek *et al.*, “Passive Fetal Monitoring by Advanced Signal Processing Methods in Fetal Phonocardiography,” *IEEE Access*, vol. 8, 2020, doi: 10.1109/ACCESS.2020.3043496.
- [9] “MODIFIKASI DOPPLER PORTABLE DILENGKAPI TAMPILAN LCD KARAKTER 08-08-2022 09.21.pdf.”
- [10] M. R. Makruf, “Perancangan filter digital pada fetal doppler,” *Penelitian*, vol. 8, no. 1, pp. 705–710, 2013.
- [11] novi yulia Budiarti, Title,” *Sustain.*, vol. 4, no. 1, pp. 1–9, 2020,
- [12] V. Aggarwal, S. Gupta, M. S. Patterh, and L. Kaur, “Analysis of Compressed Foetal Phono-Cardio-Graphy (PCG) Signals with Discrete Cosine Transform and Discrete Wavelet Transform,” *IETE J. Res.*, vol. 0, no. 0, pp. 1–7, 2020, doi: 10.1080/03772063.2020.1725662.
- [13] Y. Xiaofeng, L. Peng, Z. Xin, B. Zhengzhong, and W. Bo, “De-noising of the Doppler fetal heart rate signal with wavelet threshold filtering based on spatial correlation,” *2007 1st Int. Conf. Bioinforma. Biomed. Eng. ICBBE*, pp. 928–931, 2007, doi: 10.1109/ICBBE.2007.241.
- [14] S. Ismail, I. Siddiqi, and U. Akram, “Localization and classification of heart beats in phonocardiography signals — a comprehensive review,” *EURASIP J. Adv. Signal Process.*, vol. 2018, no. 1, 2018, doi: 10.1186/s13634-018-0545-9.
- [15] I. Puspasari, J. Jusak, W. I. Kusumawati, and E. Oktarina,

- “Model Identifikasi Sinyal Jantung Pertama (S1) dan Sinyal Jantung Kedua (S2) pada Janin,” *J. Rekayasa Elektr.*, vol. 16, no. 1, pp. 50–56, 2020, doi: 10.17529/jre.v16i1.14991.
- [16] M. Moghavvemi, B. H. Tan, and S. Y. Tan, “A non-invasive PC-based measurement of fetal phonocardiography,” *Sensors Actuators, A Phys.*, vol. 107, no. 1, pp. 96–103, 2003, doi: 10.1016/S0924-4247(03)00254-1.
- [17] Y. Triyani, W. Khabzli, and N. Harpawi, “Computer Aided Diagnosis (CAD) untuk Phonocardiogram (PCG) Berbasis Fast Fourier Transform,” vol. 7, no. 1, pp. 66–75, 2021.
- [18] “MODIFIKASI DOPPLER PORTABLE DILENGKAPI TAMPILAN LCD KARAKTER 08-08-2022 09.21-annotated.pdf.” .
- [19] R. Setyawati, P. C. Nugraha, H. G. Ariswati, and N. H. Ahniar, “An Improved Measurement Accuracy of Fetal Heart Rate using Digital Filter,” *Indones. J. Electron. Electromed. Eng. Med. informatics*, vol. 2, no. 3, pp. 136–142, 2020, doi: 10.35882/ijeeemi.v2i3.5.
- [20] H. R. Fajrin, S. Maharani, and A. Fitriyah, “Simulator Fetal Doppler,” *Med. Tek. J. Tek. Elektromedik Indones.*, vol. 2, no. 2, 2021, doi: 10.18196/mt.v2i2.11212.
- [21] J. T. Elektro, F. T. Industri, and U. I. Indonesia, “Rancang Bangun Fetal Doppler,” 2012.
- [22] Rodiani, “Prinsip Kerja Ultrasonografi Doppler pada Kehamilan,” *JK Unila* , vol. 3, no. 1, pp. 182–185, 2019.
- [23] A. D. Warbhe, R. V. Dharaskar, and B. Kalambe, “A single channel phonocardiograph processing using EMD, SVD, and

- EFICA,” *Proc. - 3rd Int. Conf. Emerg. Trends Eng. Technol. ICETET 2010*, pp. 578–581, 2010, doi: 10.1109/ICETET.2010.171.
- [24] K. Ge. F, “Variabel Perancu,” *Angew. Chemie Int. Ed. 6(11)*, 951–952., pp. 3–11, 1967.
- [25] F. DIKRIANSYAH, Title,” *Biomass Chem Eng*, vol. 3, no. 2, .2018
- [26] B. I. T. M. Mar and U. M. Cr, “2 . 4inch Arduino 8BIT Module MAR2406 User Manual,” pp. 1–21.
- [27] T. Triprijooetomo and T. Supriyanto, “Perancangan Wideband Band Pass Filter (BPF) dengan Metamaterial Mikrostrip Frekuensi 1,78 GHz – 3,38 GHz,” *Setrum Sist. Kendali-Tenaga-elektronika-telekomunikasi-komputer*, vol. 4, no. 1, p. 18, 2016, doi: 10.36055/setrum.v4i1.461.
- [28] H. Satria Utama, “Pembuatan Filter Chebichef Low Pas Dan High Pas Menggunakan Program Matlab,” *J. Tek. / Maj. Ilm. Fak. Tek. UNPAK*, vol. 20, no. 1, pp. 9–11, 2019, doi: 10.33751/teknik.v20i1.1396.
- [29] U. M. D. E. C. D. E. Los, Title.”