DAFTAR PUSTAKA

Anggraeni, S., Jurusan, K., Elektro, T., Semarang, N., & Sudarto, J. H. (2013). Rancang Bangun Stetoskop Digital sebagai Perekam Suara Respirasi dan Detak Jantung. *EKSERGI Jurnal Teknik Energi*, *9*(1), 36–42.

Arifin, M. B. (2015). *Pembuatan Stetoskop Digital Berbasis Jaringan Syaraf Tiruan untuk Identifikasi Kondisi Jantung Seseorang*.

Ball, J. W., Dains, J. E., Flynn, J. A., Solomon, B. S., & Stewart, R. W. (2019). *Seidel's Guide to Physical Examination : an Interprofessional Approach* (9 ed.). Elsevier.

Debbal, S. M., & Bereksi-Reguig, F. (2008). Frequency Analysis of the Heartbeat Sounds. *Biomedical Soft Computing and Human Sciences*, *13*(1), 85–90.

Dornbush, S., & Turnquest, A. E. (2023). *Physiology, Heart Sounds*. StatPearls Publishing. https://www.ncbi.nlm.nih.gov/books/NBK541010/?report=printable

Fikry, M. (2019). *Basis Data*. Unimal Press.

Fuadah, Y. N., Pramudito, M. A., & Lim, K. M. (2023). An Optimal Approach for Heart Sound Classification Using Grid Search in Hyperparameter Optimization of Machine L earning. *Bioengineering*, *10*(1). https://doi.org/10.3390/bioengineering10010045

Global Burden of Disease Collaborative Network. (2022). *Global Burden of Disease Study 2021 (GBD 2021) Results*. Institute for Health Metrics and Evaluation (IHME). https://vizhub.healthdata.org/gbd-results/

Hanna, I. R., & Silverman, M. E. (2002). A History of Cardiac Auscultation and Some of Its Contributors. *American Journal of Cardiology*, *90*, 259–267.

Harpale, V. K., & Bairagi, V. K. (2016). *Time and Frequency Domain Analysis of EEG Signals for Seizure Detection: A Review*.

Hidayat, L., Ismail, R., & Suhartini. (2021). Evaluasi Persepsi Kegunaan, dan Kemudahan, Wireless Stethoscope Versi 2.0. *Jurnal Teknik Mesin S-1*, *9*(1), 143–148.

Hidayati, N. (2019). *Sistem Basis Data*. Universitas Bina Sarana Informatika.

Katz, J. E., Clavijo, R. I., Rizk, P., & Ramasamy, R. (2020). The Basic Physics of Waves, Soundwaves, and Shockwaves for Erectile Dysfunction. Dalam *Sexual Medicine Reviews* (Vol. 8, Nomor 1, hlm. 100–105). Elsevier B.V. https://doi.org/10.1016/j.sxmr.2019.09.004

Komarudin, A., Singgih, H., & Luqman, M. (2018). Kajian Penerapan Sensor Mic-Condenser dalam Rancang Bangun Sound Level Meter Digital. *Jurnal ELTEK*, *16*(01).

Lacanette, K. (2010). *A Basic Introduction to Filters-Active, Passive, and Switched-Capacitor National Semiconductor*. www.national.com

Lapum, J. L., Verkuyl, M., Garcia, W., St-Amant, O., & Tan, A. (2021). *Vital Sign Measurement Across the Lifespan* (2 ed.). BCcampus. https://opentextbc.ca/vitalsignmeasurement/

Lee, S. H., Kim, Y., & Yeo, W. (2021). Advances in Microsensors and Wearable Bioelectronics for Digital Stethoscopes in Health Monitoring and Disease Diagnosis. *Advanced Healthcare Materials*, *10*(22). https://doi.org/10.1002/adhm.202101400

Leng, S., Tan, R. S., Chai, K. T. C., Wang, C., Ghista, D., & Zhong, L. (2015). The Electronic stethoscope. *BioMedical Engineering Online*, *14*(1). https://doi.org/10.1186/s12938-015-0056-y

Mohd Noor, A., & Faiz Shadi, M. (2013). *The Heart Auscultation from Sound to Graphical*. *4*(2), 73–84.

Nanchen, D. (2018). Resting heart rate: what is normal? *Heart*, *104*(13), 1048–1049. https://doi.org/10.1136/heartjnl-2017-312731

National Council of Educational Research & Training. (2020). Plotting Data using Matplotlib. Dalam *Informatics Practices* (hlm. 105). National Council of Educational Research and Training.

Nowak, L. J., & Nowak, K. M. (2019). An experimental study on the role and function of the diaphragm in modern acoustic stethoscopes. *Applied Acoustics*, *155*, 24–31. https://doi.org/10.1016/j.apacoust.2019.05.009

Nurhidayat, W. D. (2022). *Filter Analog dan Aplikasi Filter Analog*.

Nussbaumer, M., & Agarwal, A. (2022). Stethoscope Acoustics. *Journal of Sound and Vibration*, *539*. https://doi.org/10.1016/j.jsv.2022.117194

Oktivasari, P. (2010). Perancangan Stetoskop Elektronik Berbasis Komputer dengan Akuisisi Data Menggunakan NI-DAQ Card. *Jurnal Fisika FLUX*, *7*(2), 177–184.

Olson, K. (2021). What Are Data? Dalam *Qualitative Health Research* (Vol. 31, Nomor 9, hlm. 1567–1569). SAGE Publications Inc. https://doi.org/10.1177/10497323211015960

Pamungkas, G. S. G., Dewanto, Y., & Sukendar, T. (2023). Rancang Bangun Alat Pendeteksi Kebisingan Suara dan Peringatan Jam Perkuliahan Otomatis. *Jurnal Teknologi Industri*, *12*(2). https://doi.org/10.35968/jti.v12i2.1114

Phangliady, I., Asman, Y., Agustine, L., Angka, P. R., Pranjoto, H., Gunadhi, A., & Sitepu, R. (2026). *Alat Pendeteksi Bradikardia dan Takikardia Berdasarkan Bunyi Denyut Jantung Berbasis ESP32*. *25*(1).

Proctor, J., & Rickards, E. (2020). How to Perform Chest Auscultation and Interpret the Findings. *Nursing Times (online)*, *116*(1), 23. www.nursingtimes.net

Riyani, A., Nurrochman, A., Sanjaya, E., Rizqiyah, P., & Junaidi, A. (2019). Mengidentifikasi Sinyal Suara Manusia Menggunakan Metode Fast Fourier Transform (FFT) Berbasis Matlab. *Journal of Informatics, Information System, Software Engineering and Applications*, *1*(2), 42–050. https://doi.org/10.20895/INISTA.V1I2

Rusdiana, T., Aliza Putriana, N., Sopyan, I., Gozali, D., & Husni, P. (2019). Pemberian Pemahaman Mengenai Sediaan Herbal yang Berfungsi untuk Pemeliharaan Kesehatan Jantung dan GInjal di Desa Cibeusi, Sumedang, Jawa Barat. *Jurnal Pengabdian kepada Masyarakat*, *4*(6), 139–141.

Sank, J. R., Streicher, R. D., & Dooley, W. L. (2001). *Microphones* (4). The McGraw-Hill Companies, Inc.

Setiaji, F. D., Santoso, D., & Susilo, D. (2011). Rekayasa Stetoskop Elektronik dengan Kemampuan Analisis Bunyi Jantung. Dalam *Seminar Nasional Teknologi Informasi & Komunikasi Terapan*.

Setyawan, Y., & Giap, Y. C. (2022). Implementasi Speech Recognition untuk Asisten Virtual dengan Python. *Jurnal Algor*, (1). https://jurnal.buddhidharma.ac.id/index.php/algor/index

Sihotang, H. K. B., Karo, J. S. K., Sihotang, K. A. A., Simbolon, V. N., & Lubis, R. H. (2024). Identifikasi Pengaruh Gelombang dan Bunyi pada Fenomena Mendengar. *Jurnal Pendidikan Fisika dan Terapannya*, *7*(2), 91–96.

Situmorang, F. S. (2025). *Rancang Bangun Stetoskop Digital untuk Pengukuran Detak Jantung dengan Tampilan Grafis dan Audio Berbasis Gelombang Suara Menggunakan Pemrograman Python*.

Swarup, S., & Makaryus, A. (2018). Digital Stethoscope: Technology Update. *Medical Devices: Evidence and Research*, *Volume 11*, 29–36. https://doi.org/10.2147/MDER.S135882

Taipalus, T. (2024). Database management system performance comparisons: A systematic literature review. *Journal of Systems and Software*, *208*. https://doi.org/10.1016/j.jss.2023.111872

Umam, K. (2021). *Algoritma dan Pemrograman Komputer dengan Python*. Duta Media Publishing.

Warriner, D., Michaels, J., & Morris, P. D. (2019). Cardiac Auscultation: Normal and Abnormal. *British Journal of Hospital Medicine*, *80*(2), C28–C31. https://doi.org/10.12968/hmed.2019.80.2.c28

World Health Organization. (2025, Juli 31). *Cardiovascular Diseases (CVDs).* https://www.who.int/news-room/fact-sheets/detail/cardiovascular-diseases-(cvds)