

DAFTAR PUSTAKA

- [1] S. Das, “Development of A Respiration Rate Meter - A Low-Cost Design Approach,” *Heal. Informatics - An Int. J.*, vol. 2, no. 2, pp. 9–16, 2013.
- [2] S. Rolfe, “The importance of respiratory rate monitoring,” vol. 28, no. April, pp. 504–508, 2019.
- [3] T. Hamzah and A. Kholiq, “Design and Development of Respiratory Rate Calculators Patients with Breath Disorders,” *Int. J. Sci. Res.*, vol. 7, no. 9, pp. 815–817, 2018.
- [4] F. D. Bestari, “Seminar Tugas Akhir April 2016 Seminar Tugas Akhir April 2016 Batasan Masalah,” no. April, pp. 1–7, 2016.
- [5] Desy Yeniari Ekawati, “POLTEKKESBY-Studi-1793-DRAFTSeminar.” 2017.
- [6] Y. D. Benjamin Gavish, “APPARATUS AND METHOD FOR BREATHING PATTERN DETERMINATION USING ANON-CONTACT MICROPHONE,” vol. 2, no. 12, pp. 1–22, 2010.

- [7] D. S. Avalur and M. Aiello, "Human Breath Detection using a Microphone," vol. 1, no. 1, pp. 1–65, 2013.
- [8] B. A. R. Yunyoung Nam, "Estimation of Respiratory Rates Using the Built-in Microphone of a Smartphone or Headset," vol. 2194, no. c, pp. 1–9, 2015.
- [9] N. V. Wardhani, A. M. Aulia, E. Yulianto, and M. R. Mak, "A monitoring portable device with TFT Touchscreen Display (ECG , BPM , Body Temperature and Respiratory Rate)," 2016.
- [10] P. Yang, T. Di, D. Tinggi, R. E. Molenaar, and J. J. V Rampengan, "Forced Expiratory Volume in One Second (Fev-1) Pada," vol. 2, no. November, pp. 1–4, 2014.
- [11] V. Putte, "Respiratory system 呼吸系统," pp. 811–857, 2014.
- [12] I. M. Naradhyana, U. Sunarya, and S. Hadiyoso, "Alat Pemantau Sistem Pernafasan Menggunakan Mikrokontroller dan E-Health PCB," *Univ. Telkom*, vol. 1, no. 1, p. 10, 2014.

- [13] C. Practice, “Respiratory rate 4: breathing rhythm and chest movement,” vol. 114, no. 9, pp. 49–50, 2018.
- [14] I. Journal, O. F. Engineering, T. Of, and A. Microcontroller, “International journal of engineering sciences & research technology working, operation and types of arduino microcontroller,” vol. 6, no. 6, pp. 155–158, 2017.
- [15] Arduino.cc, “Arduino Nano Spesification,” 2018. .
- [16] S. Cheppali, “All About Microcontroller,” *icircuit*, 2014. .
- [17] A. Komarudin, H. Singgih, J. T. Elektro, and P. N. Malang, “KAJIAN PENERAPAN SENSOR MIC-CONDENSER DALAM RANCANG,” vol. 16, no. 01, pp. 86–97, 2018.
- [18] F. Farida, “Jurnal Sustainable : Jurnal Hasil Penelitian dan Industri Terapan Optimasi Lowpass Filter Mikrostrip Frekuensi 10 , 6 GHz dengan Metode Step-Impedansi,” vol. 06, no. 02, pp. 89–95, 2017.

- [19] U. M. I. E. K. A. Sabrina, J. Fisika, F. Matematika,
D. A. N. Ilmu, P. Alam, and U. Brawijaya,
“Makalah low pass filter dan high pass filter,” no.
115090309111002, pp. 7–9, 2011.