

## DAFTAR PUSTAKA

- [1] S. Arulvallal And U. Snekhala, “Sleep Apnea Detection Using Smart Watch And Data Analysis Using Neural Networks,” *Int. J. Sci. Technol. Res.*, Vol. 9, No. 1, Pp. 904–907, 2020.
- [2] S. Latifah, Nuryani, And Artono, “Merancang Sistem Deteksi Penyakit Apnea Tidur Obstruktif Menggunakan Fast Fourier Transform Pada Elektrokardiogram.”
- [3] R. Brugolas, J. M. Valero-Sarmiento, And A. Brna, “Wearable SpO<sub>2</sub> And Sleep Posture Monitoring System For Obstructive Sleep Apnea Patients,” 2015, Pp. 1–6.
- [4] S. Arulvallal, U. Snekhala, And T. Rajalakshmi, “Design And Development Of Wearable Device For Continuous Monitoring Of Sleep Apnea Disorder,” In *Proceedings Of The 2019 Ieee International Conference On Communication And Signal Processing, Iccsp 2019*, 2019, Pp. 50–53, Doi: 10.1109/Iccsp.2019.8697961.

- [5] S. Javaheri *Et Al.*, “Sleep Apnea: Types, Mechanisms, And Clinical Cardiovascular Consequences,” *J. Am. Coll. Cardiol.*, Vol. 69, No. 7, Pp. 841–858, 2017, Doi: 10.1016/J.Jacc.2016.11.069.
- [6] T. Penzel, C. Schöbel, And I. Fietze, “New Technology To Assess Sleep Apnea: Wearables, Smartphones, And Accessories,” *F1000research*, Vol. 7, No. 0, Pp. 1–12, 2018, Doi: 10.12688/F1000research.13010.1.
- [7] A. M. Taha, A. Hadi Saleh, And A. M. Ahmed, “Long Range Wireless Communication By Using Arduino And Hc-12 Wireless Serial Module,” Vol. 7, Pp. 106–108, 2018, [Online]. Available: [Https://Www.Tutorialspoint.Com](https://Www.Tutorialspoint.Com).
- [8] M. Al-Mardini, F. Aloul, A. Sagahyoon, And L. Al-Husseini, “Classifying Obstructive Sleep Apnea Using Smartphones,” *J. Biomed. Inform.*, Vol. 52, Pp. 251–259, 2014, Doi: 10.1016/J.Jbi.2014.07.004.
- [9] M. Rostami And A. Janghorbani, “Design And Implementation Of Telemedicine System For SpO<sub>2</sub> Monitoring,” In *22nd Iranian Conference*

*On Electrical Engineering, Icee 2014*, 2014, No. Icee, Doi: 10.1109/Iraniancee.2014.6999860.

- [10] S. Woo, M. Lee, And H. Yeom, “A Study Of Simple Sleep Apnea Predictive Device Using Spo<sub>2</sub> And Acceleration Sensor,” Vol. 11, No. 4, Pp. 71–75, 2019.
- [11] I. D. Made Wirayuda, I. D. Gede Hari Wisana, And P. Cahya Nugraha, “Apnea Monitor Based On Bluetooth With Android Interface,” *Indones. J. Electron. Electromed. Eng. Med. Informatics*, Vol. 1, No. 2, Pp. 50–56, 2020, Doi: 10.35882/Ijeeemi.V1i2.1.
- [12] A. Fanani, B. G. Irianto, And A. Pudji, “Central Monitor Based On Personal Computer Using Single Wireless Receiver,” *Indones. J. Electron. Electromed. Eng. Med. Informatics*, Vol. 1, No. 1, Pp. 45–49, 2019, Doi: 10.35882/Ijeeemi.V1i1.8.
- [13] J. Zhang, Q. Zhang, Y. Wang, And C. Qiu, “A Real-Time Auto-Adjustable Smart Pillow System For Sleep Apnea Detection And Treatment,” In *Ipsn 2013 - Proceedings Of The 12th International Conference On Information Processing In Sensor Networks, Part Of Cpsweek 2013*, 2013, Pp. 1–12.

- [14] R. Lazazzera *Et Al.*, “Detection And Classification Of Sleep Apnea And Hypopnea Using Ppg And SpO<sub>2</sub> Signals,” *Ieee Trans. Biomed. Eng.*, Vol. 14, No. 8, Pp. 1–1, 2020, Doi: 10.1109/Tbme.2020.3028041.
- [15] S. Edition And J. F. Pagel, *Primary Care Sleep Medicine*. 2014.
- [16] C. Shi, M. Nourani, G. Gupta, And L. Tamil, “Apnea Medassist Ii: A Smart Phone Based System For Sleep Apnea Assessment,” In *Ieee International Conference Of Bioinformatics And Biomedicine*, 2013, Pp. 572–577.
- [17] J.-C. Wu, C.-W. Wang, Y.-H. Huang, H.-T. Wu, P.-C. Huang, And Y.-L. Lo, “A Portable Monitoring System With Automatic Event Detection For Sleep Apnea Level-Iv Evaluation,” In *2018 Ieee International Symposium On Circuits And Systems (Iscas)*, May 2018, Vol. 2018-May, Pp. 1–4, Doi: 10.1109/Iscas.2018.8351221.
- [18] L. Cai *Et Al.*, “Osa Patient Monitoring System Based On The Internet Of Things Framework,” In *2019 4th International Conference On Smart And Sustainable Technologies, Splitech 2019*, 2019,

- Pp. 1–4, Doi: 10.23919/Splitech.2019.8783103.
- [19] Y. J. Jeon And S. J. Kang, “Wearable Sleepcare Kit: Analysis And Prevention Of Sleep Apnea Symptoms In Real-Time,” *Ieee Access*, Vol. 7, Pp. 60634–60649, 2019, Doi: 10.1109/Access.2019.2913849.
- [20] M. Deviaeene, D. Testelmans, B. Buyse, P. Borzée, S. Van Huffel, And C. Varon, “Automatic Screening Of Sleep Apnea Patients Based On The SpO<sub>2</sub> Signal,” *Ieee J. Biomed. Heal. Informatics*, Vol. 23, No. 2, Pp. 607–617, 2019, Doi: 10.1109/Jbhi.2018.2817368.
- [21] N. Maske And A. N. Gaikwad, “Sleep Apnea Patients Monitoring Using Mobile Phone,” *Int. J. Sci. Res.*, Vol. 5, No. 1, Pp. 1501–1504, 2016, Doi: 10.21275/V5i1.Nov153101.
- [22] “Keputusan Menteri Kesehatan Republik Indonesia Nomor 118/Menkes/Sk/Iv/2014,” 2014.
- [23] W. H. O. Who, “Core Medical Equipment - Information,” *Core Med. Equipments-Information*, Vol. 2011, Pp. 8–56, 2011, [Online]. Available: [Http://Www.Who.Int/Medical\\_Devices/En/Index.Html](Http://Www.Who.Int/Medical_Devices/En/Index.Html).

- [24] D. B. S. Budi<sup>1</sup>, R. Maulana<sup>2</sup>, And H. Fitriyah<sup>3</sup>, “Sistem Deteksi Gejala Hipoksia Berdasarkan Saturasi Oksigen Dan Detakjantung Menggunakan Metode Fuzzy Berbasis Arduino,” *J. Pengemb. Teknol. Inf. Dan Ilmu Komput.*, Vol. 3, No. 2, Pp. 1925–1933, 2019.
- [25] A. M. Y. Pratama, “Monitoring Kadar Oksigen Dalam Tubuh Manusia Dengan Menggunakan Sensor SpO<sub>2</sub>,” 2019.
- [26] G. Hariyanto, W. R. K, And F. C. S. A, “Rancang Bangun Oksimeter Digital Berbasis Mikrokontroler Atmega16.”
- [27] M. A. Haidar, “Rancang Bangun Sistem Monitoring Jamaah Haji Berbasis Komunikasi Radio,” Vol. 4, No. 1, Pp. 2–8, 2016.