

## DAFTAR PUSTAKA

- [1] D. W. Sewa and T. H. Ong, “Pulmonary function test: Spirometry,” *Proceedings of Singapore Healthcare*, vol. 23, no. 1, pp. 57–64, 2014, doi: 10.1177/201010581402300110.
- [2] D. A. Mahler, L. A. Waterman, and A. H. Gifford, “Prevalence and COPD Phenotype for a Suboptimal Peak Inspiratory Flow Rate against the Simulated Resistance of the Diskus à Dry Powder Inhaler,” vol. 26, no. 3, pp. 174–179, 2013, doi: 10.1089/jamp.2012.0987.
- [3] J. M. Haynes, “Basic spirometry testing and interpretation for the primary care provider,” *Canadian Journal of Respiratory Therapy*, vol. 54, no. 4, pp. 92–98, 2018, doi: 10.29390/cjrt-2018-017.
- [4] B. L. Graham *et al.*, “Standardization of spirometry 2019 update an official American Thoracic Society and European Respiratory Society technical statement,” *American Journal of Respiratory and Critical Care Medicine*, vol. 200, no. 8, pp. E70–E88, 2019, doi: 10.1164/rccm.201908-1590ST.
- [5] L. A. Rupp *et al.*, “Community-Engaged Neighborhood Revitalization and Empowerment: Busy Streets Theory in Action,” *American Journal of Community Psychology*, vol. 65, no. 1–2, pp. 90–106, 2020, doi: 10.1002/ajcp.12358.
- [6] K. Adamski, B. Kawa, and R. Walczak, “Inkjet 3D Printed Venturi Microflowmeter,” *2018 15th International Scientific Conference on Optoelectronic and Electronic Sensors, COE 2018*, vol. 2018, pp. 3–5, 2018, doi: 10.1109/COE.2018.8435163.

- [7] J. van der Palen, “Peak inspiratory flow through Diskus and Turbuhaler, measured by means of a peak inspiratory flow meter (In-Check DIAL ®),” *Respiratory Medicine*, vol. 97, no. 3, pp. 285–289, 2003, doi: 10.1053/rmed.2003.1289.
- [8] M. S. Volpe, J. M. Naves, G. G. Ribeiro, G. Ruas, and M. R. Tucci, “Effects of manual hyperinflation, clinical practice versus expert recommendation, on displacement of mucus simulant: A laboratory study,” *PLoS ONE*, vol. 13, no. 2, pp. 1–11, 2018, doi: 10.1371/journal.pone.0191787.
- [9] Lia andriani, Priyambada Cahya Nugraha, and Sari Lutfiah, “Portable Spirometer for Measuring Lung Function Health (FVC and FEV1),” *Journal of Electronics, Electromedical Engineering, and Medical Informatics*, vol. 1, no. 1, pp. 16–20, 2019, doi: 10.35882/jeeemi.v1i1.4.
- [10] L. M. Li Kharis, A. Pudji, and P. C. Nugraha, “Development Portable Spirometer using MPXV7002DP Sensor and TFT Display for Lung Disease Detection.,” *Indonesian Journal of electronics, electromedical engineering, and medical informatics*, vol. 2, no. 3, pp. 122–129, 2020, doi: 10.35882/ijeeemi.v2i3.3.
- [11] K. P. Vlahovich and A. Sood, “A 2019 Update on Occupational Lung Diseases: A Narrative Review,” *Pulmonary Therapy*, vol. 7, no. 1, pp. 75–87, 2021, doi: 10.1007/s41030-020-00143-4.
- [12] J. B. Soriano, V. Brusasco, and A. T. Dinh-Xuan, “The European Respiratory Journal makes COPD a priority,” *European Respiratory Journal*, vol. 38, no. 5, pp. 999–1001, 2011, doi: 10.1183/09031936.00055711.

- [13] A. Agusti *et al.*, “Spirometry: A practical lifespan predictor of global health and chronic respiratory and non-respiratory diseases,” *European Journal of Internal Medicine*, vol. 89, no. April, pp. 3–9, 2021, doi: 10.1016/j.ejim.2021.04.027.
- [14] S. A. Guler, J. M. Kwan, J. M. Leung, N. Khalil, P. G. Wilcox, and C. J. Ryerson, “Functional ageing in fibrotic interstitial lung disease: The impact of frailty on adverse health outcomes,” *European Respiratory Journal*, vol. 55, no. 1, 2020, doi: 10.1183/13993003.00647-2019.
- [15] S. Carvajalino, C. Reigada, M. J. Johnson, M. Dzingina, and S. Bajwah, “Symptom prevalence of patients with fibrotic interstitial lung disease: A systematic literature review,” *BMC Pulmonary Medicine*, vol. 18, no. 1, pp. 1–11, 2018, doi: 10.1186/s12890-018-0651-3.
- [16] “LWLP5000-5XD, integrated ultra-low pressure high-resolution differential pressure sensor,” *LWLP5000-5XD*.
- [17] S. T. F and M. R. Mak, “Monitoring the Occurrence of Alarms in High Flow Nasal Cannula ( HNFC ) Using IoT-Based Thingier . io Platform for COVID-19 Isolation Room,” vol. 16, no. 1, pp. 37–43, 2023.
- [18] D. Widyaningtyas and M. Ridha, “Monitoring the Occurrence of Alarms in Internet of Things-Based HFNC With Analysis of Signal Increases Before Blockages Error,” vol. 16, no. 2, pp. 66–72, 2023.
- [19] Taryudi, I. Prasetyo, A. W. Nugraha, and R. S. Ammar, “Health Care Monitoring System Based-on Internet of Things,” *Journal of Physics: Conference Series*, vol. 1413, no. 1, 2019, doi: 10.1088/1742-6596/1413/1/012008.

- [20] A. F. Pauzi and M. Z. Hasan, “Development of IoT Based Weather Reporting System,” *IOP Conference Series: Materials Science and Engineering*, vol. 917, no. 1, 2020, doi: 10.1088/1757-899X/917/1/012032.
- [21] DfRobot, “Heart Rate Sensor SKU: SEN0203,” *DfRobot*, vol. c, pp. 1–8, 2018.
- [22] E. Kit, “LILYGO ® TTGO T-Display ESP32 WiFi And Bluetooth Module Development Board 1 . 14 Inch LCD Control Board Hardware Wi-Fi Bluetooth Software specification,” pp. 1–6, 2021.
- [23] G. National and H. Pillars, “ARDUINO MEGA,” vol. 2560.
- [24] J. M. Haynes, “Basic spirometry testing and interpretation for the primary care provider,” *Canadian Journal of Respiratory Therapy*, vol. 54, no. 4, pp. 92–98, 2018, doi: 10.29390/cjrt-2018-017.
- [25] L. Andriani, I. Priyambada, C. Nugraha, and S. Lutfiah, “Portable Spirometer for Measuring Lung Function Health (FVC and FEV1),” *JEEMI*, vol. 1, no. 1, 2019, doi: 10.1234/jeeemi.v1i1.9xx.
- [26] L. Maulidil Li Kharis, A. Pudji, P. Cahya Nugraha, and P. Kesehatan Kementerian Kesehatan Surabaya Jl Pucang Jajar Timur, “International Journal of Electronics, Electromedical, and Medical Informatics (IJEEEMI) 122 Development Portable Spirometer using MPXV7002DP Sensor and TFT Display for Lung Disease Detection,” *Indonesian Journal of Electronics, Electromedical, and Medical Informatics (IJEEEMI)*, vol. 2, no. 3, pp. 122–129, 2020.

