

DAFTAR PUSTAKA

- [1] K.,Suzanne., W, Mankowitz. *Consults in Obstretic Anesthesiology*. Springer International Publishing AG, part of Springer Nature. 507. 2018.
- [2] Afifi W. N. I. W. M., Warsito I. F., Sayahkarajy. The Development of an Online Pneumonia Risk Prediction System. *International Conference on Robotics, Automation and Sciences (ICORAS). Melaka, Malaysia*. 2017.
- [3] Sharma R., Kochher R. Fuzzy Decision Support System for Tuberculosis Detection. *International Conference on Communication and Signal Processing. India. 2001-2005*. 2017.
- [4] E. P. C. Morris, G. Feng, and G. D. Horler. Enabling the multiple useof condition monitoring devices for real-time monitoring, real-time datalogging and remote condition monitoring. *In 7th IET Conference onRailway Condition Monitoring 2016 (RCM 2016), pp. 1–5, Sep. 2016*.
- [5] R. Prakash, Ganesh AB, Girish SV, Cooperative wireless network control based health and Activity Monitoring System”, 2016
- [6] Mansor H, Shukor MHA, Meskam SS, Rusli NQAM, Zameri NS. Body Temperature Measurement for Remote Health Monitoring System. In : *Proceedings of the IEEE International Conference on Smart Instrumentation, Measurement and Applications(ICSIMA) 2013*.
- [7] Soleimani, V., Mirmehdi, M., Damen, D., Dodd, J., Hannuna, S., Sharp, C., Viner, J. Remote, Depth-Based Lung Function Assessment. [*IEEE Transactions on Biomedical Engineering*](#), Volume: 64 , 2017
- [8] Thakur A, Aggarwal P, Siddiqui U. Analysis of pulmonary diseases using wireless breathing rate and pulse rate monitoring system. In : *Proceedings of the 2nd International Conference on Inventive Communication and Computational Technologies (ICICCT)*, 2018. p.1041-1044
- [9] Joseph S, A. Vikneswari, V.J. Divya, Bista RS. Lung Volume Measurement : Areview Article. *Asian Journal of Research in Biological and Pharmaceutical Sciences*, 3(1), 2015,47-51
- [10] Sali S, Parvathi C.S, “Integrated Wireless Instrument for Heart rate and Body Temperature Measurement. *2nd International Conference for Convergence inTechnology (I2CT)*. 2017
- [11] Sridevi P, Kundu P, Islam T, Shahnaz C, Fattah SA. A low-Cost Venturi tube spirometer for the diagnosis COPD. In : *Proceedings of Tencon 2018-2018 IEEE Region 10 Conference (Jeju, korea, 28-31 October 2018)*.

- [12] Al Rasyid MUH, Kemalasari, Sulistiyo M, Sukaridhoto S. Design and Development of Portable Spirometer. *IEEE International Conference on Consumer Electronics-Taiwan (ICCE-TW)*, 2018.
- [13] Farago P, Groza R, Ignat C, Cirlugea M, Hintea S. A Fuzzy Expert System for Infection Screening Based on Vital Signs and Activity Data. *Internal Competition CICDI 2017, IEEE*, 2018.
- [14] J.Roca, F.Burgos, J. Sunyer, M Saez, S.Chinn, J.M. Anto, R Rodriguez-Roisin, Ph, H. Quanjer D. Nowak, P.Burney, for the group of the European Community Respiratory Health Survey, "References Values for forced spirometry" *Eur Respir J* :11 : 1354-1362 ,1998.
- [15] Kemalasari, Wardana PS. Processing of Respiration Signal Using FIR Filter for Analyze the Condition of Lung. *International Electronics Symposium on Engineering Technology and Applications (IES-ETA)*, 2017.
- [16] Kazmina AS, Makukha VK, "Hardware Development for a Multifunctional Wireless Spirometer Module" *IEEE*, 2019.
- [17] Thomas SS, Saraswat MA, Shashwat A, Bharti V. Sensing Heart beat and Body Temperature Digitally using Arduino. *International conference on Signal Processing, Communication, Power and Embedded System (Scopes)-2016*.
- [18] Mandala S, Anggis NS, Mubarak MS, Shamila. Energy Efficient IoT Thermometer based on Fuzzy Logic for Fever Monitoring,. *Fifth International Conference on Information and Communication Technology (ICoICT) 2017*.
- [19] Apa itu Spirometri : Gambaran Umum, keuntungan, dan hasil yang diharapkan Available from <https://www.docdoc.com/id/info/condition/spirometri/>
- [20] Purwanto MS., Hermawan Y., Nahroni L. 2019. Rancang Bangun Alat Pendeteksi Kebugaran Paru-Paru pada Personil (TNI) (Spirometer) Bebas Arduino Uno. *Jurnal Teknik Elektro dan TRIAC Vol.6 N0. 1*.
- [21] Quanjer PhH, Tammeling GJ, Cotes JE, Pedersen OF, Peslin R, Yernault J-C. Lung volumes and forced ventilatory flows. Report Working Party "Standardization of Lung Function Tests", ECSC, Official Statement European Respiratory Society. *Eur Respir J* 1993; 6 (Suppl. 16): 5–40.

- [22] Eijk RPAV, Bakers JNE, ES MAV. Implications of spirometric reference values for Amyotrophic Lateral Sclerosis. *Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration*, 2019; 20: 473-480
- [23] Xu Lijun., Tang S. Wet Gas Using a Venturi-meter and Support Vector Machines, IEEE. 2009.
- [24] Yusuf A. N. A., Zulkifli. F.Y., Mustika I W. Development of Monitoring and Health Service Information System to Support Smart Health on Android. *International Conference on Nano Electronics Research and Education (ICNERE). Hamamatsu, Japan . 2018.*
- [25] Andriani L, Nugraha PC, Lutfiah S, “Arduino ATmega328 Portable Spirometer using Gas Pressure Sensor For FVC and FEV1 Measurement,*JEEMI*, 2019.
- [26] Sema Cosgun, I. Yucel Ozbek. Age Group Classification and Gender Detection based on Forced Expiratory Spirometri. *37th Annual International Conference of The IEEE Engineering in Medicine and Biology Society (EMBC) 2015.*
- [27] Zubaydi F, Sagahyoon A, Aloul F, Mir H. MobSpiro : Mobile Based Spirometry for Detecting COPD. *IEEE, 7th Annual Computing and Communication Workshop and Conference (CCWC) 2017.*
- [28] Rao MVA, Kausthubha NK, Yadav S, Gope D, Krishnaswany UM. Automatic prediction of spirometry readings from cough and wheeze for monitoring of asthma severity. *25th European Signal Processing Conference (EUSIPCO), 2017*
- [29] Kwan AM, Fung AG, Jansen PA, Schivo M, Nicholas J. Kenyon, Delplanque JP, Davis CE.. Personal Lung Function Monitoring Devices for Asthma Patients. *IEEE Sensors Journal, 2015*
- [30] A Kassem, M Hamad, C El Moucary. A smart Spirometry device for Asthma Diagnosis. *37th Annual International Conference of the IEEE Engineering and Biology Society (EMBC), 2015.*
- [31] Visnawath V, Garrison J, Patel S. SpiroConfidence: Determining the Validity of Smartphone Based Spirometry Using Machine Learning. *40th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC), 2018*
- [32] Golle H, Chen W. Real-time Detection of Respiratory Activity using an Inertial measurement Unit. *29th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007.*

- [33] Ibrahim SN, Jusoh AZ, Malik NA, Mazalan S. Development Portable Digital Spirometer Using NI sbRIO. *IEEE 4th International Conference on Smart Instrumentation, Measurement and Application (ICSIMA), 2017.*

