

DAFTAR PUSTAKA

- [1] G. Gandelman and M. Snyder, “Vital Signs (Body Temperature, Pulse Rate, Respiration Rate, Blood Pressure),” *University of Rochester Medical Center*, 2019.
<https://www.urmc.rochester.edu/encyclopedia/content.aspx?ContentTypeID=85&ContentID=P00866> (accessed Feb. 15, 2020).
- [2] Goldman Cecil, “Vital signs,” *National Library of Medicine*, 2019.
<https://medlineplus.gov/ency/article/002341.htm> (accessed Feb. 15, 2020).
- [3] R. Ambarini, A. A. Pramudita, E. Ali, and A. D. Setiawan, “Single-tone doppler radar system for human respiratory monitoring,” in *International Conference on Electrical Engineering, Computer Science and Informatics (EECSI)*, 2018, vol. 2018-October, no. September, pp. 571–575.
- [4] S. Kano, Y. Dobashi, and M. Fujii, “Sensor materials Silica Nanoparticle-Based Portable Respiration Sensor for Analysis of Respiration Rate , Pattern , and Phase During Exercise Shinya Kano,” *IEEE Sensors Counc.*, vol. 2, no. 1, pp. 24–27, 2018.
- [5] Y. Xiong, S. Chen, X. Dong, Z. Peng, and W. Zhang, “Accurate Measurement in Doppler Radar Vital Sign Detection Based on Parameterized Demodulation,” *IEEE Trans. Microw. Theory Tech.*, vol. 65, no. 11, pp. 4483–4492, 2017.
- [6] Y. BEERS *et al.*, “Radar System Engineering,” First Edit., L. N. RIDENOUR and A. M. CLARKE, Eds. New York and London: McGraw-Hill Book Company, Inc, 1947, pp. 1–15.
- [7] S. Pisa, E. Pittella, and E. PiuZZi, “Tutorial : A Survey of Radar Systems for Medical Applications,” *IEEE Aerosp. Electron. Mag.*, vol. 31, no. 10, pp. 64–81, 2016.
- [8] M. Malanowski and K. Kulpa, “Target Detection in Continuous-Wave Noise Radar in the Presence of Impulsive Noise,” *Phys. Asp. Microw. Radar Appl. Target*, vol. 119, no. April 2011, pp. 467–472, 2014.

- [9] T. O. Praktika, A. A. Pramudita, and Y. Wahyu, "Design of Vivaldi Antenna for UWB Respiration Radar," in *2019 International Conference on Information and Communications Technology (ICOIACT)*, 2019, pp. 11–16.
- [10] B. Mahafza, *Radar Systems Analysis and Design Using MATLAB*, First Edit. Huntsville: Chapman & Hall/CRC, 2000.
- [11] Q. Liang, L. Xu, N. Bao, L. Qi, J. Shi, and Y. Yang, "Research on Non-Contact Monitoring System for Human Physiological Signal and Body Movement," *Biosensors*, vol. 9, no. 2, pp. 1–13, 2019.
- [12] W. Li, B. Tan, and R. Piechocki, "Passive Radar for Opportunistic Monitoring in E-Health Applications," in *IEEE Journal of Translational Engineering in Health and Medicine*, 2018, vol. 6, no. December 2017, pp. 1–10.
- [13] R. Salvado, C. Loss, R. Goncalves, and P. Pinho, "Textile materials for the design of wearable antennas: A survey," *Sensors*, vol. 12, no. 11, pp. 15841–15857, 2012.
- [14] S. Dhupkariya, V. K. Singh, and A. Shukla, "A Review of Textile Materials for Wearable Antenna," in *JoMET*, 2014, vol. 1, no. 3, pp. 7–14.
- [15] M. I. Skolnik, *Radar Handbook Third Edition*, Third. McGraw-Hill, 2008.
- [16] A. C. Guyton and J. E. Hall, *Textbook of Medical*, Eleventh E. Mississippi: Elsevier Inc., 2006.
- [17] J. Pan, "Medical Applications of Ultra-WideBand (UWB) Keywords :," 2017. <https://www.cse.wustl.edu/~jain/cse574-08/ftp/uwb/> (accessed Feb. 15, 2020).
- [18] Y. Tarigan, H. Wijanto, and Y. Wahyu, "Design and Realization of Ultra Wideband Microstrip Antenna At Frekuensi 500- 3000 Mhz for Through Wall Radar," no. 1, pp. 1–8, 2015.
- [19] M. F. Iskander, *Electromagnetic Fields and Waves*. New Jersey: Prentice-Hall, Inc., 1992.

- [20] P. J. Gibson, "The Vivaldi Aerial," in *9th European Microwave Conference*, 1979, pp. 101–105.
- [21] Unit Laboratorium Fakultas Ilmu, "Network Analyzer dan Fungsinya," 2017. <https://fit.labs.telkomuniversity.ac.id/network-analyzer-dan-fungsinya/> (accessed May 25, 2020).
- [22] A. A. Pramudita, T. O. Praktika, and S. Janah, "Radar Modelling Experiment Using Vector Network Analyzer," 2021.
- [23] H. Hutapea and K. A. Santoso, "Analysis of S-Parameter Testing on Duplexer Device and Coaxial Cable with 1800 MHz," *J. Tek. dan Ilmu Komput.*, vol. 07, no. Jan-Mar 2018, pp. 1–7, 2018.
- [24] D. Fitrinisaaprayunanti, A. A. Pramudita, Y. Wahvu, and E. Ali, "Experimental Study of MIMO Through the Wall Radar using Vector Network Analyzer," *Proc. - CAMA 2019 IEEE Int. Conf. Antenna Meas. Appl.*, pp. 282–285, 2019.
- [25] Y. P. Saputera, D. Herdiana, H. Madinawati, A. B. Suksmono, and A. Munir, "Linear Frequency Modulated Continuous Wave Radar Using GNU Radio and USRP," in *2015 1st International Conference on Wireless and Telematics (ICWT)*, 2015, pp. 5–10.
- [26] I. Martoyo, A. Coandi, D. Pratignyo, H. Y. Kanalebe, H. P. Uranus, and M. Pardede, "Software Defined Radio Applications for Mini GSM BTS and Spectrum Analyzer with BladeRF," in *Proceedings - 2018 International Conference on Radar, Antenna, Microwave, Electronics, and Telecommunications, ICRAMET 2018*, 2018, pp. 108–111.
- [27] CM Laboratory, "Fast Fourier Transform (FFT)," 2008. <http://www.cmlab.csie.ntu.edu.tw/cml/dsp/training/coding/transform/fft.html> (accessed Feb. 01, 2021).
- [28] M. Poeschel, "Digital Signal Processing," no. 4, pp. 1–11, 2009.