

DAFTAR PUSTAKA

- [1] S. Pisa, E. Pittella and E. Piuzzi, "A survey of radar systems for medical applications," in IEEE Aerospace and Electronic Systems Magazine, vol. 31, no. 11, pp. 64-81, November 2016. doi: 10.1109/MAES.2016.140167.
- [2] Rizky Ambarini, A.A Pramudita, Erfansyah Ali, A. D. Setiawan, "Single-Tone Doppler Radar System for Human Respiratory Monitoring , 2018 5th International Conference on Electrical Engineering, Computer Science and Informatics (EECSI-2018), 16-18 Oct. 2018.
- [3] C. H. Hsieh, Y. F. Chiu, Y. H. Shen, T. S. Chu and Y. H. Huang, "A UWB Radar Signal Processing Platform for Real-Time Human Respiratory Feature Extraction Based on Four-Segment Linear Waveform Model," in IEEE Transactions on Biomedical Circuits and Systems, vol. 10, no. 1, pp. 219-230, Feb. 2016.
- [4] Sayidmarie, Khalil & Fadhel, Yasser, "A planar self-complementary bow-tie antenna for UWB applications," Progress in Electromagnetics Research C. 35. pp.253-267. 2013. 10.2528/PIERC12103109.
- [5] Y. Tao, S. Kan and G. Wang, "Ultra-wideband bow-tie antenna design," 2010 IEEE International Conference on Ultra-Wideband, Nanjing, 2010, pp. 1-3. doi: 10.1109/ICUWB.2010.5616044
- [6] F. Congedo, G. Monti and L. Tarricone, "Modified bowtie antenna for GPR applications," Proceedings of the XIII Internarional Conference on Ground Penetrating Radar, Lecce, 2010, pp. 1-5.doi: 10.1109/ICGPR.2010.5550127
- [7] L. Yingsong, Bi. Songjie, Leo. Xiangoguang: "A Modified Bow-Tie Antenna for Contact-Based Heartbets Detection Applications," USA, 2017.
- [8] Skolnik, Merrill I. "Radar Handbook", 3rd Edition. 2001.
- [9] K. Jae-Mo, "Reliable estimation of respiration rate using UWB impulse radar, Asia-Pacific Microwave Conference Proceedings (APMC)" pp. 997-999, Seoul, 2013.

- [10] Commission, Federal Communications: “Revision of Part 15 of the Commission’s Rules Regarding Ultra-Wideband Transmission Systems,” Washington, D.C., 2002.
- [11] UWB first report and order, FCC rules and regulations, Washington DC, USA: FCC, 2002.
- [12] Y. Tarigan, Heroe Wijayanto, dan Yuyu Wahyu, “Perancangan dan Realisasi Antena Mikrostrip Ultra WideBand (UWB) Pada Frekuensi 500-3000 MHz untuk Radar Penembus Dinding,” Bandung: Universitas Telkom, 2015.
- [13] Y. L. Chen, C.L. Ruan, L. Peng, “Progress In Electromagnetics Letters,” p.101, 2008.
- [14] J. C. Lin, “Noninvasive Microwave Measurement of Respiration,” Proc. Of the IEEE, Vol 63, pp 1530, 1975.
- [15] E. M. Staderini, “UWB Radar in Medicine,” IEEE Aerospace and Electronic System Magazine, 2002.
- [16] E. M. Staderini, Oral Presentation: Medical Applications of UWB Radars, 2008.
- [17] T. E. McEwan and S. Azevedo, “Micropower Impulse Radar. Science and Technology: Review,” pp 16-29, 1996.
- [18] M. Adhi, Jurnal Ilmiah Elite Elektro: “Perancangan Antena Mikrostrip Bow-tie pada Aplikasi Ultra WideBand,” Vol. 3, No. 2, 79-88, Jakarta, 2012.
- [19] K. P. Ray, “Design aspects of printed monopole antennas for ultra-wide band applications,” International Journal of Antennas and Propagation, Vol. 2008, 1-8, 2008.
- [20] S. Khalil H., Yasser A. Fadhel: “A Planar Self-Complementary Bow-tie Antenna for UWB Applications,” Iraq: University of Mosul, 2013.
- [21] K. P. Ray, S. S. Thakur, R. A. Deshmukh, “Broadbanding a Printed Rectangular Monopole Antenna,” India, 2009.
- [22] H. Herwin, dan Kukuh Aris Santoso, “Analisis Pengujian S-Parameter Pada Perangkat Duplexer dan Kabel Coaxial dengan Frekuensi 1800 MHZ,” Vol. 07 No. 25. Jakarta: Universitas 17 Agustus 1945, 2018.

- [23] Tektronix, “Vector Network Analyzer,” 2018, (Date last accessed 21-September-2018). [Online]. Available: <https://www.tek.com/vna/ttr500>.
- [24] Bassem R Mahafza, Radar System Analysis and Design CRC Press, 2013.