DAFTAR PUSTAKA

[1] S. Zhang, C. Wang, S.-C. Chan, X. Wei, and C.-H. Ho, "*New Object Detection, Tracking, and Recognition Approaches for Video Surveillance Over Camera Network*," *IEEE Sensors Journal*, vol. 15, pp. 2679–2691, May 2015.

[2] A. Biswas, S. Abedin, and M. A. Kabir, "*Moving Object Detection Using Ultrasonic Radar with Proper Distance, Direction, and Object Shape Analysis*," *Journal of Information Systems Engineering and Business Intelligence*, vol. 6, p. 99, Oct. 2020.

[3] M. Jia, S. Li, J. L. Kernec, S. Yang, F. Fioranelli, and O. Romain, "*Human Activity Classification with Radar Signal Processing and Machine Learning*," in *2020 International Conference on UK-China Emerging Technologies (UCET)*, IEEE, Aug. 2020.

[4] Y. Xia, Z. Ma, and Z. Huang, "*Over-the-Air Radar Emitter Signal Classification Based on SDR*," in *2021 6th International Conference on Intelligent Computing and Signal Processing (ICSP)*, IEEE, Apr. 2021.

[5] D. A. Mora-Huaman, F. Palomino Quispe, R. J. Coaquira-Castillo, and M. Clemente-Arenas, "*Distance to Object Estimation Based on Software Defined Radio USRP using Python*," in *2020 IEEE XXVII International Conference on Electronics, Electrical Engineering and Computing (INTERCON)*, IEEE, Sept. 2020.

[6] S. Sundaresan, C. Anjana, T. Zacharia, and R. Gandhiraj, "*Real Time Implementation of FMCW Radar for Target Detection Using GNU radio and USRP*," in *2015 International Conference on Communications and Signal Processing (ICCSP)*, IEEE, Apr. 2015.

[7] K. Stasiak and P. Samczynski, "*FMCW Radar Implemented in SDR Architecture Using a USRP Device*," in *2017 Signal Processing Symposium (SPSympo)*, IEEE, Sept. 2017.

[8] J. M. S. Macasero, O. J. L. Gerasta, D. P. Pongcol, V. J. V. Ylaya, and A. B. Caberos, "*Underground Target Objects Detection Simulation Using FMCW Radar with SDR Platform*," in *2018 IEEE 10th International Conference*

on Humanoid, Nanotechnology, Information Technology,Communication and Control, Environment and Management (HNICEM), IEEE, Nov. 2018.

[9] A. Lestari, D. D. Patriadi, I. H. Putri, B. Harnawan, O. D. Winarko, W. Sediono, and M. A. K. Titasari, "*FPGA-based SDR Implementation for FMCW Maritime Surveillance Radar*," in *2017 International Conference on Radar, Antenna, Microwave, Electronics, and Telecommunications (ICRAMET)*, IEEE, Oct. 2017.

[10] J.-H. Deng, P.-N. Chen, C.-F. Lee, Y.-F. Chan, and Y.-C. Lin, "*SDR Measurement Platform Design for FMCW RADAR Performance Verification*," in *2017 IEEE Conference on Dependable and Secure Computing*, IEEE, Aug. 2017.

[11] L. Zeng, C. Yang, Y. Zhao, M. Huang, and C. Zhi, "*Research on Evaluation Index System for Software Defined Radar (SDR)*," in *2019 IEEE Radar Conference (RadarConf)*, IEEE, Apr. 2019.

[12] A. Prabaswara, A. Munir, and A. B. Suksmono, "*GNU Radio Based Software-Defined FMCW Radar for Weather Surveillance Application*," in *2011 6th International Conference on Telecommunication Systems, Services, and Applications (TSSA)*, IEEE, Oct. 2011.

[13] I. Lenz, J. Holtom, A. Herschfelt, Y. Rong, and D. Bliss, "*Respiratory and Heart Rate Detection Using Continuous-Wave Radar Testbed Implemented in GNU Radio*," *Proceedings of the GNU Radio Conference*, vol. 7, no. 1, 2022.

[14] A. Wankhede, S. De, and G. N. Surname, "*Development of L-Band FMCW Radar on SDR using GNU RADIO*," in *2024 Second International Conference on Emerging Trends in Information Technology and Engineering (ICETITE)*, IEEE, Feb. 2024.

[15] P. D. Hilario Re, D. Comite, S. K. Podilchak, C. A. Alistarh, G. Goussetis, M. Sellathurai, J. Thompson, and J. Lee, "*FMCW Radar With Enhanced Resolution and Processing Time by Beam Switching*," *IEEE Open Journal of Antennas and Propagation*, vol. 2, pp. 882–896, 2021.

[16] G. Dabrowski, K. Stasiak, J. Drozdowicz, D. Gromek, and P. Samczynski, "*An X–band FMCW Radar Demonstrator Based on an SDR Platform*," in *2020 21st International Radar Symposium (IRS)*, IEEE, Oct. 2020.

[17] A. Rizik, E. Tavanti, R. Vio, A. Delucchi, H. Chible, A. Randazzo, and D. D. Caviglia, "*Single Target Recognition Using a Low-Cost FMCW Radar Based on Spectrum Analysis*," in *2020 27th IEEE International Conference on Electronics, Circuits and Systems (ICECS)*, IEEE, Nov. 2020.

[18] H. Jeong and S. Kim, "*Educational Low-Cost C-Band FMCW Radar System Comprising Commercial Off-the-Shelf Components for Indoor Through-Wall Object Detection*," *Electronics*, vol. 10, p. 2758, Nov. 2021.

[19] A. A. Pramudita, F. Y. Suratman, and D. Arseno, "*Modified FMCW System for Non-Contact Sensing of Human Respiration*," *Journal of Medical Engineering and; Technology*, vol. 44, pp. 114–124, Apr. 2020.

[20] A. A. Pramudita, D.-B. Lin, A. A. Dhiyani, H. H. Ryanu, T. Adiprabowo, and E. A. Yudha, "*FMCW Radar for Noncontact Bridge Structure Displacement Estimation*," *IEEE Transactions on Instrumentation and Measurement*, vol. 72, pp. 1–14, 2023.

[21] M. Zhou, Y. Liu, S. Wu, C. Wang, Z. Chen, and H. Li, "*A Novel Scheme of High-Precision Heart Rate Detection With a mm-Wave FMCW Radar*," *IEEE Access*, vol. 11, pp. 85118–85136, 2023.

[22] M. I. Skolnik, *Introduction to radar systems*. McGraw-Hill electrical engineering series, Boston, Mass.: McGraw Hill, third edition ed., 2001. International edition.

[23] S. Kingsley, *Understanding radar systems*. Mendham, NJ: SciTech Pubishing, 1999.

[24] W. L. Melvin, ed., *Principles of modern radar*, vol. 3. Edison, NJ: SciTech Publ., 2014.

[25] J. Scheer, M. A. Richards, and W. A. Holm, eds., *Principles of modern radar*, vol. Volume 1. Raleigh, NC: SciTech Pub, reprinted with corrections ed., 2015.

[26] M. Jankiraman, *FMCW radar design*. Artech House radar series, Boston: Artech House, 2018.

[27] I. Anisah, H. Briantoro, A. Zainudin, and D. I. Permatasari, "Implementasi Sistem Komunikasi Nirkabel OFDM Berbasis Software Defined Radio (SDR)," *Jurnal Nasional Teknik Elektro dan Teknologi Informasi (JNTETI)*, vol. 7, June 2018.

[28] M. M. Gulo, I. G. P. Astawa, Arifin, Y. Moegiharto, and H. Briantoro, "*The Joint Channel Coding and Pre-Distortion Technique on the USRP-Based MIMO-OFDM System*," *Jurnal RESTI (Rekayasa Sistem dan Teknologi Informasi)*, vol. 7, pp. 930–939, Aug. 2023.