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- [1] M. N. I. Shuzan *et al.*, “A Novel Non-Invasive Estimation of Respiration Rate from Motion Corrupted Photoplethysmograph Signal Using Machine Learning Model,” *IEEE Access*, vol. 9, pp. 96775–96790, 2021, doi: 10.1109/ACCESS.2021.3095380.
- [2] M. Allam, S. Cai, S. Ganesh, M. Venkatesan, C.-S. Group, and A. F. Coskun, “COVID-19 Diagnostics, Tools, and Prevention,” pp. 1–33.
- [3] A. T. Purnomo, D. B. Lin, T. Adiprabowo, and W. F. Hendria, “Non-contact monitoring and classification of breathing pattern for the supervision of people infected by covid-19,” *Sensors*, vol. 21, no. 9, pp. 1–26, 2021, doi: 10.3390/s21093172.
- [4] L. T. McDonald, “Healing after COVID-19: Are survivors at risk for pulmonary fibrosis?,” *Am. J. Physiol. - Lung Cell. Mol. Physiol.*, vol. 320, no. 2, pp. L257–L265, 2021, doi: 10.1152/AJPLUNG.00238.2020.
- [5] R. Kukkapalli, N. Banerjee, R. Robucci, and Y. Kostov, “Micro-radar wearable respiration monitor,” *Proc. IEEE Sensors*, pp. 1–3, 2017, doi: 10.1109/ICSENS.2016.7808741.
- [6] H. Zhao, X. Gao, X. Jiang, H. Hong, and X. Liu, “Non-contact Robust Respiration Detection By Using Radar-Depth Camera Sensor Fusion,” pp. 4183–4186, 2020.
- [7] A. A. Pramudita and F. Y. Suratman, “Low-Power Radar System for Noncontact Human Respiration

Sensor,” *IEEE Trans. Instrum. Meas.*, vol. 70, 2021, doi: 10.1109/TIM.2021.3087839.

- [8] S. Malik, M. Ahmad, M. Punjiya, A. Sadeqi, M. S. Baghini, and S. Sonkusale, “Respiration Monitoring Using a Flexible Paper-Based Capacitive Sensor,” *Proc. IEEE Sensors*, vol. 2018-Octob, pp. 1–4, 2018, doi: 10.1109/ICSENS.2018.8589558.
- [9] V. K. Chugh, K. Kalyan, and C. S. Anoop, “Feasibility study of a giant Magneto-Resistance based respiration rate monitor,” *Proc. Annu. Int. Conf. IEEE Eng. Med. Biol. Soc. EMBS*, vol. 2016-Octob, pp. 2327–2330, 2016, doi: 10.1109/EMBC.2016.7591196.
- [10] S. Abdulatif, F. Aziz, P. Altiner, B. Kleiner, and U. Schneider, “Power-Based Real-Time Respiration Monitoring Using FMCW Radar,” no. July 2018, 2017, [Online]. Available: <http://arxiv.org/abs/1711.09198>.
- [11] T. J. Daim and R. M. A. Lee, “Child Respiration States Determination by Using IR-UWB Radar Sensor-Based Human Motion Detection Method,” *Proceeding - 2021 IEEE 17th Int. Colloq. Signal Process. Its Appl. CSPA 2021*, no. March, pp. 133–137, 2021, doi: 10.1109/CSPA52141.2021.9377298.
- [12] T. O. Praktika and A. A. Pramudita, “Implementation of multi-frequency continuous wave radar for respiration detection using software defined radio,” *EECCIS 2020 - 2020 10th Electr. Power, Electron. Commun. Control. Informatics Semin.*, pp. 284–287, 2020, doi: 10.1109/EECCIS49483.2020.9263472.
- [13]

- [13] P. Kontou, S. Ben Smida, S. Nektarios Daskalakis, S. Nikolaou, M. Dragone, and D. E. Anagnostou, "Heartbeat and Respiration Detection Using a Low Complexity CW Radar System," *2020 50th Eur. Microw. Conf. EuMC 2020*, no. January, pp. 929–932, 2021, doi: 10.23919/EuMC48046.2021.9338223.
- [14] S. D. Min, J. K. Kim, H. S. Shin, Y. H. Yun, C. K. Lee, and M. Lee, "Noncontact respiration rate measurement system using an ultrasonic proximity sensor," *IEEE Sens. J.*, vol. 10, no. 11, pp. 1732–1739, 2010, doi: 10.1109/JSEN.2010.2044239.
- [15] I. Tawab, B. Sumajudin, and H. H. Ryanu, "IMPLEMENTASI PEMANTAUAN PERNAFASAN PASIEN DENGAN MENGGUNAKAN MENGGUNAKAN RADAR FMCW DENGAN SOFTWARE DEFINED RADIO IMPLEMENTATION OF PATIENT RESPIRATION MONITORING USING," vol. 8, no. 5, pp. 5019–5027, 2021.
- [16] J. Tu, K. Inthavong, and G. Ahmadi, "The Human Respiratory System," pp. 19–44, 2013, doi: 10.1007/978-94-007-4488-2_2.
- [17] H. Zhang, M. Li, F. Yang, and S. Xu, "A feasibility study of microwave respiration monitoring," *2017 IEEE 6th Asia-Pacific Conf. Antennas Propagation, APCAP 2017 - Proceeding*, no. 1, pp. 1–3, 2018, doi: 10.1109/APCAP.2017.8420537.
- [18] X. Yang, G. Sun, and K. Ishibashi, "Non-contact acquisition of respiration and heart rates using Doppler radar with time domain peak-detection algorithm," *Proc. Annu. Int. Conf. IEEE Eng. Med. Biol. Soc. EMBS*, pp. 2847–2850, 2017, doi: 10.1109/EMBC.2017.8037450.

- [19] X. Li, S. Li, H. Li, and F. Fioranelli, "Accuracy Evaluation on the Respiration Rate Estimation using Off-the-shelf Pulse-Doppler Radar," *IEEE MTT-S 2019 Int. Microw. Biomed. Conf. IMBioC 2019 - Proc.*, vol. 1, no. 1, pp. 1–4, 2019, doi: 10.1109/IMBIOC.2019.8777820.
- [20] R. Scholz, B. R. Bracio, M. Brutscheck, and P. Trommler, "Spontaneous Respiration by Humidity Measurement," 5097.
- [21] L. J. Dirksmeyer, D. Schmiech, A. Marnach, and A. R. Diewald, "Separation of Two Close Targets in CW-Radar Measurement in the Example of Respiration Monitoring," vol. 1, 2019.
- [22] A. R. L. Francisco, "Tinjauan Kepustakaan Sistem Pernapasan," *J. Chem. Inf. Model.*, vol. 53, no. 9, pp. 1689–1699, 2018, [Online]. Available: <http://erepo.unud.ac.id/id/eprint/20418/1/1267ef1a6941f10cd436af892efd71b1.pdf>.
- [23] Y. Zhang, F. Qi, H. Lv, F. Liang, and J. Wang, "Bioradar Technology: Recent Research and Advancements," *IEEE Microw. Mag.*, vol. 20, no. 8, pp. 58–73, 2019, doi: 10.1109/MMM.2019.2915491.
- [24] R. R. P. Biologis, "R24BBD1 Fitur R24BBD1."