

DAFTAR PUSTAKA

- [1] A. Hendi, H. Hermanto, and A. Rozaaq, "Sistem Deteksi Jatuh dan Peringatan Dini Pada Manusia Berbasis Android," *Jurnal Sistem Komputer dan Informatika (JSON)*, vol. 3, no. 3, p. 350, Mar. 2022, doi: 10.30865/json.v3i3.3927.
- [2] S. Pandelaki, S. Pendeteksi, J. Berbasis, L. Sitanayah, and M. Liem, "SISTEM PENDETEKSI JATUH BERBASIS INTERNET OF THINGS," *JEECOM*, vol. 5, no. 1, 2023.
- [3] C. F. Poernomo and A. Adriansyah, "Rancang Bangun Fall Detector Sistem Untuk Pasien Stroke Dengan Metode Wsn (Wireless Sensor Network)," *Jurnal Teknologi Elektro*, vol. 13, no. 1, p. 29, Feb. 2022, doi: 10.22441/jte.2022.v13i1.006.
- [4] E. Auvinet, F. Multon, A. Saint-Arnaud, J. Rousseau, and J. Meunier, "Fall detection with multiple cameras: An occlusion-resistant method based on 3-D silhouette vertical distribution," *IEEE Transactions on Information Technology in Biomedicine*, vol. 15, no. 2, pp. 290–300, Mar. 2011, doi: 10.1109/TITB.2010.2087385.
- [5] M. Chen, Z. Yang, J. Lai, P. Chu, and J. Lin, "A Three-Stage Low-Complexity Human Fall Detection Method Using IR-UWB Radar," *IEEE Sens J*, vol. 22, no. 15, pp. 15154–15168, Aug. 2022, doi: 10.1109/JSEN.2022.3184513.
- [6] J. Lu and W. Bin Ye, "Design of a Multistage Radar-Based Human Fall Detection Sistem," *IEEE Sens J*, vol. 22, no. 13, pp. 13177–13187, Jul. 2022, doi: 10.1109/JSEN.2022.3177173.
- [7] DHIMAS RADHITYO SARDJONO, "IDENTIFIKASI PERGERAKAN MANUSIA BERBASIS RADAR FMCW UNTUK PENGENALAN AKTIVITAS MANUSIA ," 2023, Accessed: Dec. 29, 2024. [Online]. Available: <https://repositori.telkomuniversity.ac.id/pustaka/195491/identifikasi->

pergerakan-manusia-berbasis-radar-fmcw-untuk-pengenalan-aktivitas-manusia.html

- [8] J. Li *et al.*, “P2V-RCNN: Point to Voxel Feature Learning for 3D Object Detection from Point Clouds,” *IEEE Access*, vol. 9, pp. 98249–98260, 2021, doi: 10.1109/ACCESS.2021.3094562.
- [9] G. Shi, K. Wang, R. Li, and C. Ma, “Real-Time Point Cloud Object Detection via Voxel-Point Geometry Abstraction,” *IEEE Transactions on Intelligent Transportation Systems*, vol. 24, no. 6, pp. 5971–5982, Jun. 2023, doi: 10.1109/TITS.2023.3259582.
- [10] Z. Kang, J. Yang, R. Zhong, Y. Wu, Z. Shi, and R. Lindenbergh, “Voxel-Based Extraction and Classification of 3-D Pole-Like Objects from Mobile LiDAR Point Cloud Data,” *IEEE J Sel Top Appl Earth Obs Remote Sens*, vol. 11, no. 11, pp. 4287–4298, Nov. 2018, doi: 10.1109/JSTARS.2018.2869801.
- [11] C. Jobanputra, J. Bavishi, and N. Doshi, “Human activity recognition: A survey,” in *Procedia Computer Science*, Elsevier B.V., 2019, pp. 698–703. doi: 10.1016/j.procs.2019.08.100.
- [12] M. Islam *et al.*, “Deep Learning Based Systems Developed for Fall Detection: A Review,” 2020, *Institute of Electrical and Electronics Engineers Inc.* doi: 10.1109/ACCESS.2020.3021943.
- [13] G. Shi, K. Wang, R. Li, and C. Ma, “Real-Time Point Cloud Object Detection via Voxel-Point Geometry Abstraction,” *IEEE Transactions on Intelligent Transportation Systems*, vol. 24, no. 6, pp. 5971–5982, Jun. 2023, doi: 10.1109/TITS.2023.3259582.
- [14] Wolfram. Burgard, *IROS Hamburg 2015 conference digest : IEEE/RSJ International Conference on Intelligent Robots and Systems : September 28 - October 02, 2015, Hamburg, Germany.* IEEE, 2015.
- [15] “P. Yadav dan S. Mutreja. (2022).Ukuran Pasar Radar Otomotif, Pangsa, Tren, Laporan pada tahun 2028[Online].” Accessed: Oct. 25, 2024.

- [Online]. Available: <https://www.alliedmarketresearch.com/automotive-RADAR-market>
- [16] H. D. Mafukidze, A. K. Mishra, J. Pidanic, and S. W. P. Francois, “Scattering Centers to Point Clouds: A Review of mmWave Radars for Non-Radar-Engineers,” 2022, *Institute of Electrical and Electronics Engineers Inc.* doi: 10.1109/ACCESS.2022.3211673.
 - [17] C. I. Radar, A. Manager, and S. Rao, “The fundamentals of millimeter wave radar sensors The fundamentals of millimeter wave radar sensors 2,” 2020.
 - [18] A. Badal and A. Badano, “Reducing the memory requirements of high resolution voxel phantoms by means of a binary tree data structure,” *IEEE Trans Radiat Plasma Med Sci*, vol. 3, no. 1, pp. 76–82, Jan. 2019, doi: 10.1109/TRPMS.2018.2852634.
 - [19] J. Holdsworth and M. Scapicchio, “Basics of FMCW Radar | Renesas.” Accessed: Dec. 21, 2024. [Online]. Available: <https://www.ibm.com/think/topics/deep-learning>
 - [20] Wolfram. Burgard, *IROS Hamburg 2015 conference digest : IEEE/RSJ International Conference on Intelligent Robots and Systems : September 28 - October 02, 2015, Hamburg, Germany*. IEEE, 2015.
 - [21] Y. Huang, W. Li, Z. Dou, W. Zou, A. Zhang, and Z. Li, “Activity Recognition Based on Millimeter-Wave Radar by Fusing Point Cloud and Range–Doppler Information,” *Signals*, vol. 3, no. 2, pp. 266–283, Jun. 2022, doi: 10.3390/signals3020017.
 - [22] Y. Lecun, Y. Bengio, and G. Hinton, “Deep learning,” May 27, 2015, *Nature Publishing Group*. doi: 10.1038/nature14539.
 - [23] “DL-ITQ-4-CNN”.
 - [24] *2018 International Workshop on Pattern Recognition in Neuroimaging (PRNI)*. IEEE, 2018.

- [25] “User’s Guide 60GHz mmWave Sensor EVMs,” 2022. [Online]. Available: www.ti.com
- [26] S. Fan, Y. Yu, M. Xu, and L. Zhao, “High-Precision External Parameter Calibration Method for Camera and Lidar Based on a Calibration Device,” *IEEE Access*, vol. 11, pp. 18750–18760, 2023, doi: 10.1109/ACCESS.2023.3247195.
- [27] A. D. Singh, S. S. Sandha, L. Garcia, and M. Srivastava, “Radhar: Human activity recognition from point clouds generated through a millimeter-wave radar,” in *Proceedings of the Annual International Conference on Mobile Computing and Networking, MOBICOM*, Association for Computing Machinery, Oct. 2019, pp. 51–56. doi: 10.1145/3349624.3356768.
- [28] Y. Lyu, X. Huang, and Z. Zhang, “Learning to Segment 3D Point Clouds in 2D Image Space,” Mar. 2020, [Online]. Available: <http://arxiv.org/abs/2003.05593>