

DAFTAR PUSTAKA

- [1] L. E. Zarate, M. Becker, B. De, M. Garrido, and H. S. Camargos Rocha, “AN ARTIFICIAL NEURAL NETWORK STRUCTURE ABLE TO OBSTACLE AVOIDANCE BEHAVIOR USED IN MOBILE ROBOTS.”
- [2] S. X. Yang and C. Luo, “A Neural Network Approach to Complete Coverage Path Planning,” *IEEE Transactions on Systems, Man, and Cybernetics, Part B: Cybernetics*, vol. 34, no. 1, pp. 718–725, Feb. 2004, doi: 10.1109/TSMCB.2003.811769.
- [3] I. Ullah, F. Ullah, Q. Ullah, and S. Shin, “Integrated tracking and accident avoidance system for mobile robots,” *Int J Control Autom Syst*, vol. 11, no. 6, pp. 1253–1265, Dec. 2013, doi: 10.1007/s12555-012-0057-6.
- [4] . IEEE Staff, *2011 IEEE International Conference on Robotics and Biomimetics*. IEEE, 2011.
- [5] L. Zeng and G. M. Bone, “Mobile robot collision avoidance in human environments,” *Int J Adv Robot Syst*, vol. 10, Jan. 2013, doi: 10.5772/54933.
- [6] A. Sopa and R. Hartono, “Algoritma Rapidly Exploring Random Tree Star Dengan Integrasi Metode Sampling Goal Biassing, Gaussian, Dan Boundary,” *Telekontran : Jurnal Ilmiah Telekomunikasi, Kendali dan Elektronika Terapan*, vol. 9, no. 2, pp. 129–138, Oct. 2021, doi: 10.34010/telekontran.v9i2.5675.
- [7] J. Amaral, F. Pereira, A. N. Jati, and R. E. Saputra, “COLLISION AVOIDANCE ALGORITHM ON MULTI-ROBOT BASED POSITION AND ORIENTATION SHARING.”
- [8] L. Yulianto NRP, S. Rudy Dikairono, and M. Tri Arief Sardjono, “HALAMAN JUDUL NAVIGATION AND OBSTACLE AVOIDANCE SYSTEM ON A MOBILE ROBOT USING GPS AND ULTRASONIC RANGE FINDER.”
- [9] E. Schöneberg, M. Schröder, D. Görges, and H. D. Schotten, “Trajectory Planning with Model Predictive Control for Obstacle Avoidance Considering Prediction Uncertainty,” Apr. 2025, [Online]. Available: <http://arxiv.org/abs/2504.19193>
- [10] Z. Xu, H. Shen, X. Han, H. Jin, K. Ye, and K. Shimada, “LV-DOT: LiDAR-visual dynamic obstacle detection and tracking for autonomous robot navigation,” Feb. 2025, [Online]. Available: <http://arxiv.org/abs/2502.20607>
- [11] M. M. Almasri, A. M. Alajlan, and K. M. Elleithy, “Trajectory Planning and Collision Avoidance Algorithm for Mobile Robotics System,” *IEEE Sens J*, vol. 16, no. 12, pp. 5021–5028, Jun. 2016, doi: 10.1109/JSEN.2016.2553126.
- [12] J. Han, Y. Cho, J. Kim, J. Kim, N. sun Son, and S. Y. Kim, “Autonomous collision detection and avoidance for ARAGON USV: Development and field tests,” *J Field Robot*, vol. 37, no. 6, pp. 987–1002, Sep. 2020, doi: 10.1002/rob.21935.

- [13] O. Michel, "Cyberbotics Ltd. Webots TM : Professional Mobile Robot Simulation." [Online]. Available: <http://www.cyberbotics.com>
- [14] S. Karaman and E. Frazzoli, "Sampling-based Algorithms for Optimal Motion Planning," May 2011, [Online]. Available: <http://arxiv.org/abs/1105.1186>
- [15] T. Huang, Z. Xue, Z. Chen, and Y. Liu, "Efficient Trajectory Planning and Control for USV with Vessel Dynamics and Differential Flatness," Sep. 2022, [Online]. Available: <http://arxiv.org/abs/2209.03232>
- [16] M. N. Cahyadi, T. Asfihani, R. Mardiyanto, and R. Erfianti, "Performance of GPS and IMU sensor fusion using unscented Kalman filter for precise i-Boat navigation in infinite wide waters," *Geod Geodyn*, vol. 14, no. 3, pp. 265–274, May 2023, doi: 10.1016/j.geog.2022.11.005.
- [17] "GitHub - harunkurtdev/ardupilot at pr-webots-usv." Accessed: May 16, 2025. [Online]. Available: <https://github.com/harunkurtdev/ardupilot/tree/prwebots-usv>