

## DAFTAR PUSTAKA

- [1] R. Indonesia, “Undang-Undang Republik Indonesia Nomor 13 Tahun 2003 Tentang Ketenagakerjaan,” 2003.
- [2] Manik Sharma, Dr. Dilip P. Deshmukh, And Prof. Dr. Shriramshastri Chavali, “Design And Fabrication Of Hand Operated Forklift,” *International Journal For Research Publication And Seminar*, Vol. 16, No. 2, Pp. 204–207, May 2025, Doi: 10.36676/Jrps.V16.I2.270.
- [3] C. Y. Arias-Portela, J. Mora-Vargas, M. Caro, And D. E. Salinas-Navarro, “Situational Awareness Errors In Forklift Logistics Operations: A Multiphase Eye-Tracking And Think-Aloud Approach,” *Logistics*, Vol. 8, No. 4, Dec. 2024, Doi: 10.3390/Logistics8040124.
- [4] H. Wang, C. Wang, C. L. Chen, And L. Xie, “F-Loam : Fast Lidar Odometry And Mapping,” In *Ieee International Conference On Intelligent Robots And Systems*, Institute Of Electrical And Electronics Engineers Inc., 2021, Pp. 4390–4396. Doi: 10.1109/Iros51168.2021.9636655.
- [5] B. Zhou, C. Li, S. Chen, D. Xie, M. Yu, And Q. Li, “Asl-Slam: A Lidar Slam With Activity Semantics-Based Loop Closure,” *Ieee Sens. J.*, Vol. 23, No. 12, Pp. 13499–13510, Jun. 2023, Doi: 10.1109/Jsen.2023.3270871.
- [6] T. R. Schafle And N. Uchiyama, “Probabilistic Robust Path Planning For Nonholonomic Arbitrary-Shaped Mobile Robots Using A Hybrid A\* Algorithm,” *Ieee Access*, Vol. 9, Pp. 93466–93479, 2021, Doi: 10.1109/Access.2021.3093471.
- [7] M. Aizat, A. Azmin, And W. Rahiman, “A Survey On Navigation Approaches For Automated Guided Vehicle Robots In Dynamic Surrounding,” *Ieee Access*, Vol. 11, Pp. 33934–33955, 2023, Doi: 10.1109/Access.2023.3263734.
- [8] S. A. A. Majid, W. N. W. Zakaria, M. N. A. A. Patar, M. R. M. Tomari, M. D. Amari, And F. A. M. Kasran, “Optimized Global Path Planning With Slam For Efficient Warehouse Autonomous Mobile Robot,” In *2025 Ieee 6th International Conference In Robotics And Manufacturing Automation, Roma 2025*, Institute Of Electrical And Electronics Engineers Inc., 2025, Pp. 377–381. Doi: 10.1109/Roma66616.2025.11155527.
- [9] Chen, Y. Zheng, Z. H. Pang, And Y. Han, “A\* Algorithm-Based Agvs Path Planning For Intelligent Warehousing,” In *2025 Joint International Conference On Automation-Intelligence-Safety, Icais 2025 And International Symposium On Autonomous Systems, Isas 2025*, Institute Of Electrical And Electronics Engineers Inc., 2025. Doi: 10.1109/Icaisisas64483.2025.11051425.
- [10] H. Lee And P. Kang, “Performance Evaluation Of Modern Gpu Accelerator-Based Edge Systems: A Holistic Approach,” *Ieee Internet Things J.*, 2025, Doi: 10.1109/Jiot.2025.3616166.
- [11] D. Minott, S. Siddiqui, And R. J. Haddad, “Benchmarking Edge Ai Platforms: Performance Analysis Of Nvidia Jetson And Raspberry Pi 5 With Coral Tpu,” In *Conference Proceedings - Ieee Southeastcon*, Institute Of Electrical And Electronics Engineers Inc., 2025, Pp. 1384–1389. Doi: 10.1109/Southeastcon56624.2025.10971592.
- [12] “Jetson Orin Nano Super Developer Kit | Nvidia.” Accessed: Apr. 09, 2026. [Online]. Available: <https://www.nvidia.com/en-us/autonomous-machines/embedded-systems/jetson-orin/nano-super-developer-kit/>

- [13] T. R. Deepa, J. Mathew, And S. Jacob, "Design And Analysis Of Slam-Based Autonomous Navigation Of Mobile Robot," In *Icacc - International Conference On Advances In Computing And Communications*, Institute Of Electrical And Electronics Engineers Inc., 2024. Doi: 10.1109/Icacc63692.2024.10845373.
- [14] "Ydlidar T-Mini Plus - High-Performance Lidar Sensor For Precise Detection And Navigation." Accessed: Apr. 09, 2026. [Online]. Available: <https://www.ydlidar.com/Product/Ydlidar-T-Mini-Plus>
- [15] A. Haider *Et Al.*, "Performance Evaluation Of Mems-Based Automotive Lidar Sensor And Its Simulation Model As Per Astm E3125-17 Standard," *Sensors*, Vol. 23, No. 6, Mar. 2023, Doi: 10.3390/S23063113.
- [16] A. Mahmood And A. H. Baluch, "Toward A Low-Cost Planetary Rover: Real-Time Embedded Multi-Sensor Fusion For Robust Obstacle-Aware Navigation," *Ieee Access*, Vol. 13, Pp. 200227–200238, 2025, Doi: 10.1109/Access.2025.3634810.
- [17] Yahboom, "10-Axis Imu Navigation Module." Accessed: Aug. 25, 2026. [Online]. Available: <https://www.yahboom.net/Study/Imu>
- [18] H. Zhu And Q. Luo, "Indoor Localization Of Mobile Robots Based On The Fusion Of An Improved Amcl Algorithm And A Collision Algorithm," *Ieee Access*, Vol. 12, Pp. 67199–67208, 2024, Doi: 10.1109/Access.2024.3399192.
- [19] B. Farina, J. Toledo, And L. Acosta, "A New Approach To Real-Time Odometry Calibration Using An Adaptive Particle Filter Design," *Ieee Robot. Autom. Lett.*, Vol. 10, No. 10, Pp. 10130–10137, 2025, Doi: 10.1109/Lra.2025.3598671.
- [20] M. A. Bin Kahar, K. Bingi, R. Ibrahim, And M. Omar, "Review On Global Path Planning Algorithms For Autonomous Navigation Of Multiple Mobile Robots," In *2025 Ieee International Conference On Automatic Control And Intelligent Systems, I2cacis 2025 - Proceedings*, Institute Of Electrical And Electronics Engineers Inc., 2025, Pp. 202–207. Doi: 10.1109/I2cacis65476.2025.11100872.
- [21] T. Verstraete And N. Muhammad, "Pedestrian Collision Avoidance In Autonomous Vehicles: A Review," Mar. 01, 2024, *Multidisciplinary Digital Publishing Institute (Mdpi)*. Doi: 10.3390/Computers13030078.
- [22] C. Van Dang, H. Ahn, D. S. Lee, And S. C. Lee, "Improved Analytic Expansions In Hybrid A-Star Path Planning For Non-Holonomic Robots," *Applied Sciences (Switzerland)*, Vol. 12, No. 12, Jun. 2022, Doi: 10.3390/App12125999.
- [23] T. Horelican, "Utilizability Of Navigation2/Ros2 In Highly Automated And Distributed Multi-Robotic Systems For Industrial Facilities," In *Ifac-Papersonline*, Elsevier B.V., 2022, Pp. 109–114. Doi: 10.1016/J.Ifacol.2022.06.018.
- [24] E. Sani, A. Sgorbissa, And S. Carpin, "Improving The Ros 2 Navigation Stack With Real-Time Local Costmap Updates For Agricultural Applications," In *Proceedings - Ieee International Conference On Robotics And Automation*, Institute Of Electrical And Electronics Engineers Inc., 2024, Pp. 17701–17707. Doi: 10.1109/Icra57147.2024.10610984.
- [25] A. Trivedi, S. Prajapati, A. Shirgaonkar, M. Zolotas, And T. Padir, "Data-Driven Sampling Based Stochastic Mpc For Skid-Steer Mobile Robot Navigation," In *Proceedings - Ieee International Conference On Robotics And Automation*, Institute Of Electrical And Electronics Engineers Inc., 2025, Pp. 16619–16625. Doi: 10.1109/Icra55743.2025.11127456.

- [26] W. N. W. Zakaria, I. A. T. Mahmood, A. U. Shamsudin, M. A. A. Rahman, And M. R. M. Tomari, "Ros-Based Slam And Path Planning For Autonomous Unmanned Surface Vehicle Navigation System," In *2022 Ieee 5th International Symposium In Robotics And Manufacturing Automation, Roma 2022*, Institute Of Electrical And Electronics Engineers Inc., 2022. Doi: 10.1109/Roma55875.2022.9915665.
- [27] P. Scales, V. Auberge, And O. Aycard, "Socio-Expressive Robot Navigation: How Motion Profiles Can Convey Frailty And Confidence," In *2022 10th International Conference On Affective Computing And Intelligent Interaction Workshops And Demos, Aciiw 2022*, Institute Of Electrical And Electronics Engineers Inc., 2022. Doi: 10.1109/Aciiw57231.2022.10086013.
- [28] "Explore Ros 2 Topics: Publisher And Subscriber Guide - Matlab & Simulink." Accessed: Apr. 10, 2026. [Online]. Available: <https://www.mathworks.com/help/ros/gs/ros2-topics.html>