

DAFTAR PUSTAKA

- [1] M. A. Berawi, “City of Tomorrow: The New Capital City of Indonesia,” *IJTtech*, vol. 13, no. 4, p. 690, Oct. 2022, doi: 10.14716/ijtech.v13i4.6011.
- [2] J. Zhao, B. Liang, and Q. Chen, “The key technology toward the self-driving car,” *IJIUS*, vol. 6, no. 1, pp. 2–20, Jan. 2018, doi: 10.1108/IJIUS-08-2017-0008.
- [3] R. Arau, “Local and Global Path Generation for Autonomous Vehicles Using Splines”.
- [4] S. Liu, L. Li, X. Motors, J. Tang, S. Wu, and J.-L. Gaudiot, “Creating Autonomous Vehicle Systems, Second Edition”.
- [5] M. Elbanhawi and M. Simic, “Sampling-Based Robot Motion Planning: A Review,” *IEEE Access*, vol. 2, pp. 56–77, 2014, doi: 10.1109/ACCESS.2014.2302442.
- [6] S. Karaman, M. R. Walter, A. Perez, E. Frazzoli, and S. Teller, “Anytime Motion Planning using the RRT*,” in *2011 IEEE International Conference on Robotics and Automation*, Shanghai, China: IEEE, May 2011, pp. 1478–1483. doi: 10.1109/ICRA.2011.5980479.
- [7] M. Aria, “Algoritma Perencanaan Jalur Kendaraan Otonom berbasis Hibridisasi Algoritma BFS dan Path Smoothing,” *Jurnal Ilmiah Telekomunikasi, Kendali dan Elektronika Terapan*, vol. 8, no. 1, pp. 13–22, Jun. 2020, doi: 10.34010/telekontran.v8i1.3083.
- [8] C. Friedrich, A. Csiszar, A. Lechler, and A. Verl, “Efficient Task and Path Planning for Maintenance Automation Using a Robot System,” *IEEE Trans.*

- Automat. Sci. Eng.*, vol. 15, no. 3, pp. 1205–1215, Jul. 2018, doi: 10.1109/TASE.2017.2759814.
- [9] C.-C. Tsai, H.-C. Huang, and C.-K. Chan, “Parallel Elite Genetic Algorithm and Its Application to Global Path Planning for Autonomous Robot Navigation,” *IEEE Trans. Ind. Electron.*, vol. 58, no. 10, pp. 4813–4821, Oct. 2011, doi: 10.1109/TIE.2011.2109332.
- [10] Y. Rasekhipour, A. Khajepour, S.-K. Chen, and B. Litkouhi, “A Potential Field-Based Model Predictive Path-Planning Controller for Autonomous Road Vehicles,” *IEEE Trans. Intell. Transport. Syst.*, vol. 18, no. 5, pp. 1255–1267, May 2017, doi: 10.1109/TITS.2016.2604240.
- [11] Z. Qiu and C. Liu, “The motion planning in the automatic generation of mobile phone 3D animation,” in *Proceedings of the 10th World Congress on Intelligent Control and Automation*, Beijing, China: IEEE, Jul. 2012, pp. 725–731. doi: 10.1109/WCICA.2012.6357973.
- [12] P. Sudhakara, V. Ganapathy, and K. Sundaran, “Trajectory Planning Using Enhanced Probabilistic Roadmaps For Pliable Needle Robotic Surgery,” in *2018 International Conference on Recent Trends in Electrical, Control and Communication (RTECC)*, Malaysia, Malaysia: IEEE, Mar. 2018, pp. 61–64. doi: 10.1109/RTECC.2018.8625678.
- [13] C. Ekenna, S. Thomas, and N. M. Amato, “Adaptive Local Learning in Sampling Based Motion Planning for Protein Folding”.

- [14] Y. Yang, J. Pan, and W. Wan, “Survey of optimal motion planning,” *IET cyber-systems robotics*, vol. 1, no. 1, pp. 13–19, Jun. 2019, doi: 10.1049/iet-csr.2018.0003.
- [15] R. Mashayekhi, M. Y. I. Idris, M. H. Anisi, and I. Ahmedy, “Hybrid RRT: A Semi-Dual-Tree RRT-Based Motion Planner,” *IEEE Access*, vol. 8, pp. 18658–18668, 2020, doi: 10.1109/ACCESS.2020.2968471.
- [16] E. W. Dijkstra, “A Note on Two Problems in Connexion with Graphs,” *Numerische Mathematik* 1, 269-271 (1959).
- [17] P. E. Hart, Nils J. Nilsson, and R. Bertram , “A Formal Basis for the Heuristic Determination,” *IEEE Transactions of Systems Science and Cybernetics, Vol. SSC-4, No. 2, July 1968*
- [18] Steven M. LaValle , “Rapidly-Exploring Random Trees: A New Tool for Path Planning,” *Department of Computer Science, Ames, IA 50011 USA*
- [19] S. Karaman and E. Frazzoli, “Sampling-based algorithms for optimal motion planning,” *The International Journal of Robotics Research*, vol. 30, no. 7, pp. 846–894, Jun. 2011, doi: 10.1177/0278364911406761.
- [20] J. D. Gammell, S. S. Srinivasa, and T. D. Barfoot, “Informed RRT*: Optimal sampling-based path planning focused via direct sampling of an admissible ellipsoidal heuristic,” in *2014 IEEE/RSJ International Conference on Intelligent Robots and Systems*, Chicago, IL, USA: IEEE, Sep. 2014, pp. 2997–3004. doi: 10.1109/IROS.2014.6942976.
- [21] J. D. Gammell, T. D. Barfoot, and S. S. Srinivasa, “Informed Sampling for Asymptotically Optimal Path Planning (Consolidated Version),” *IEEE Trans.*

- Robot.*, vol. 34, no. 4, pp. 966–984, Aug. 2018, doi: 10.1109/TRO.2018.2830331.
- [22] J. D. Gammell, S. S. Srinivasa, and T. D. Barfoot, “Batch Informed Trees (BIT*): Sampling-based Optimal Planning via the Heuristically Guided Search of Implicit Random Geometric Graphs,” in *2015 IEEE International Conference on Robotics and Automation (ICRA)*, May 2015, pp. 3067–3074. doi: 10.1109/ICRA.2015.7139620.
- [23] M. A. R. Pohan, B. R. Trilaksono, S. P. Santosa, and A. S. Rohman, “Path Planning Algorithm Using the Hybridization of the Rapidly-Exploring Random Tree and Ant Colony Systems,” *IEEE Access*, vol. 9, pp. 153599–153615, 2021, doi: 10.1109/ACCESS.2021.3127635.
- [24] M. Aria, “NEW SAMPLING BASED PLANNING ALGORITHM FOR LOCAL PATH PLANNING FOR AUTONOMOUS VEHICLES,” no. 1.
- [25] A. Viseras, R. O. Losada, and L. Merino, “Planning with ants: Efficient path planning with rapidly exploring random trees and ant colony optimization,” *International Journal of Advanced Robotic Systems*, vol. 13, no. 5, p. 172988141666407, Sep. 2016, doi: 10.1177/1729881416664078.
- [26] Departemen Teknik Elektro, Universitas Komputer Indonesia, Indonesia and M. Aria, “Optimal Path Planning using Informed Probabilistic Road Map Algorithm,” *JER is an international, peer-reviewed journal that publishes full-length original research papers, reviews, case studies in all areas of Engineering.*, Dec. 2021, doi: 10.36909/jer.ASSEE.16105.

- [27] M. Novosad, R. Penicka, and V. Vonasek, “CTopPRM: Clustering Topological PRM for Planning Multiple Distinct Paths in 3D Environments,” *IEEE Robot. Autom. Lett.*, vol. 8, no. 11, pp. 7336–7343, Nov. 2023, doi: 10.1109/LRA.2023.3315539.
- [28] M. Likhachev, D. Ferguson, G. Gordon, A. Stentz, and S. Thrun, “Anytime search in dynamic graphs,” *Artificial Intelligence*, vol. 172, no. 14, pp. 1613–1643, Sep. 2008, doi: 10.1016/j.artint.2007.11.009.
- [29] Kavraki, L. E., svestka, P., Latombe, J.-C., & Overmars, M. H. (1996). "Probabilistic Roadmaps for Path Planning in High-Dimensional Configuration Spaces," *IEEE Transactions on Robotics and Automation*, 12(4), 566–580.
- [30] J. Nasir *et al.*, “RRT*-SMART: A Rapid Convergence Implementation of RRT*,” *International Journal of Advanced Robotic Systems*, vol. 10, no. 7, p. 299, Jul. 2013, doi: 10.5772/56718.
- [31] Tomas Lozano-Perez and Michael A. Wesley, “An Algorithm for Planning Collision-Free Paths Among Polyhedral Obstacles,” *IBM Thomas J. Watson Research Center*, Vol. 12, No. 10, October 1979