

DAFTAR PUSTAKA

- [1] P. Oksa, P. Loula, and E. Castrén, “Mapping, localization and navigation improvements by using manipulated floor plan and ROS-based mobile robot parameters,” Multidisciplinary Engineering Science and Technology, vol. 5, issue 10, pp. 8910-8918, October 2018.
- [2] S. Khan, D. Wollherr, and M. Buss, “Modeling laser intensities for simultaneous,” IEEE Robotics and Automation Letters, vol. 1, no. 2, pp. 692-699, July 2016
- [3] H. Peel, S. Luo, A. G. Cohn, and R. Fuentes, “An improved robot for bridge inspection,” in Proc International Symposium on Automation and Robotics in Construction, 2017.
- [4] G. Grisetti et al., “A tutorial on graph-based SLAM,” IEEE Intelligent Transportation Systems, vol. 2, no. 4, pp. 31-43, December 2010.
- [5] A. Bassiri, M. A. Oskoei, and A. Basiri, “Particle filter and finite impulse response filter fusion and hector SLAM to improve the performance of robot positioning,” Hindawi Journal of Robotics, pp. 1-9, November 2018.
- [6] K. Sugiura and H. Matsutani, “A Universal LiDAR SLAM Accelerator System on Low-Cost FPGA,” IEEE Access, vol. 10, pp. 26931–26947, 2022, doi: 10.1109/ACCESS.2022.3157822.
- [7] H. Achmad, M. R. Daud, S. Razali, and D. Pebrianti, “A ROS-based human-robot interaction for indoor exploration and mapping,” Int. J. Adv. Appl. Sci., 2016.

- [8] Quigley, M., Conley, K., Gerkey, B., Faust, J., Foote, T., Leibs, J., ... & Ng, A. Y. (2009, May). ROS: an opensource Robot Operating System. In ICRA workshop on open source software (Vol. 3, No. 3.2, p. 5).
- [9] A. Elfes, “Using occupancy grids for mobile robot perception and navigation,” Computer, vol. 22, no. 6, pp. 46–57, Jun. 1989, doi: 10.1109/2.30720.
- [10] K. Wang, “Implementation of Odometry with EKF for Localization of Hector SLAM Method” (Doctoral dissertation, NSYSU). 2016.
- [11] M. Talukder, “Parameter variations in Hector Slam,” thesis K. Sugiura and H. Matsutani, “A Universal LiDAR SLAM Accelerator System on Low-Cost FPGA,” IEEE Access, vol. 10, pp. 26931–26947, 2022, doi: 10.1109/ACCESS.2022.3157822.
- [12] M. Sałuch et al., “Raspberry PI 3B + microcomputer as a central control unit in intelligent building automation management systems,” MATEC Web Conf., vol. 196, p. 04032, 2018, doi: 10.1051/matecconf/201819604032.
- [13] Kohlbrecher S, Von Stryk O, Meyer J and Klingauf U (2011). A flexible and scalable slam system with full 3d motion estimation. In Safety, Security, and Rescue Robotics (SSRR), 2011 IEEE International Symposium on IEEE: 155-160.
- [14] M. Sałuch et al., “Raspberry PI 3B + microcomputer as a central control unit in intelligent building automation management systems,” MATEC Web Conf., vol. 196, p. 04032, 2018, doi: 10.1051/matecconf/201819604032.

- [15] M. Sałuch et al., “Raspberry PI 3B + microcomputer as a central control unit in intelligent building automation management systems,” MATEC Web Conf., vol. 196, p. 04032, 2018, doi: 10.1051/matecconf/201819604032.
- [16] M. Aria, “Real-Time 2D Mapping and Localization Algorithms for Mobile Robot Applications,” *IOP Conf. Ser.: Mater. Sci. Eng.*, vol. 662, no. 2, p. 022131, Nov. 2019, doi: [10.1088/1757-899X/662/2/022131](https://doi.org/10.1088/1757-899X/662/2/022131).
- [17] S. Kusmiawati, E. Setiawan, and E. R. Widasari, “Simulasi Algoritme Hector SLAM untuk Pemetaan 2D pada Quadcopter berbasis ROS”.
- [18] “What is peak signal-to-noise ratio in image processing,” Educative, <https://www.educative.io/answers/what-is-peak-signal-to-noise-ratio-in-image-processing> (accessed Sep. 4, 2023).
- [19] “Peak signal-to-noise ratio as an image quality metric,” NI, <https://www.ni.com/en/shop/data-acquisition-and-control/add-ons-for-data-acquisition-and-control/what-is-vision-development-module/peak-signal-to-noise-ratio-as-an-image-quality-metric.html> (accessed Sep. 4, 2023).
- [20] Sara, U. , Akter, M. and Uddin, M. (2019) Image Quality Assessment through FSIM, SSIM, MSE and PSNR—A Comparative Study. Journal of Computer and Communications, 7, 8-18. doi: 10.4236/jcc.2019.73002.

- [21] Brooks, A.C., et al. (2008) Structural Similarity Quality Metrics in a Coding Con- text: Exploring the Space of Realistic Distortions. *IEEE Transactions on Image Processing*, 17, 1261-1273.
<https://doi.org/10.1109/TIP.2008.926161>