DAFTAR PUSTAKA

[1] B. Balisranislam and P. Harahap, “Efisiensi Kinerja Cleaning Service dengan Menggunakan Robot Pembersih Kaca Luar Gedung selama Masa Pandemi Covid-19,” in *Proceeding Seminar Nasional Kewirausahaan*, vol. 2, no. 1, pp. 191-199, 2021. Available: https://doi.org/10.30596/snk.v2i1.8252

[2] M. F. Alkausar, T. Dewi, and Y. Oktarina, “Implementasi Image Processing pada Robot Pertanian,” in *Journal of Applied Smart Electrical Network and System*, vol. 3, No. 2, pp. 37-42, 2022. Available: https://doi.org/10.52158/jasens.v3i02.507

[3] B. C. Ruhie, A. F. Bryan, and R. H. Grogan, “ Robot-Assisted Endocrine Surgery: Indications and Drawbacks,” in *Journal of Laparoendoscopic and Advanced Surgical Techniques*, vol. 29, No. 2, 2019. Available: https://doi.org/10.1089/lap.2018.0308

[4] A. A. Gaviota and A. M. Mandagi, “Implementasi Tahapan Penerapan Keselamatan Dan Kesehatan Kerja Di PT. Puninar Anji Nyk Logistic Indonesia,” in *PROMOTIF: Jurnal Kesehatan Masyarakat*, vol. 10, no. 2, pp. 105-115, 2020. Available: https://www.jurnal.unismuhpalu.ac.id/index.php/PJKM/article/view/1128

[5] M. P. Li, “Task Assignment and Path Planning for Autonomous Mobile Robots in Stochastic Warehouse Systems,” in *Rochester Institute of Technology ProQuest Dissertations Publishing*, 2021. Available: https://scholarworks.rit.edu/theses/11070

[6] L. Zamora-Cadenas, I. Velez, and J. E. Sierra-Garcia, "UWB-Based Safety System for Autonomous Guided Vehicles Without Hardware on the Infrastructure," in *IEEE Access*, vol. 9, pp. 96430-96443, 2021. Available: https://doi.org/10.1109/ACCESS.2021.3094279

[7] Q.S. Kabir, Y. Suzuki, “Increasing manufacturing flexibility through battery management of automated guided vehicles,” in *Computers & Industrial Engineering*, vol. 117, 225–236, 2018. Available: https://doi.org/10.1016/j.cie.2018.01.026

[8] M. D. Ryck, M. Versteyhe, and F. Debrouwere, “Automated guided vehicle systems, state-of-the-art control algorithms and techniques,” in *Journal of Manufacturing Systems*, vol. 55, pp. 152-173, 2020. Available: https://doi.org/10.1016/j.jmsy.2019.12.002

[9] M. N. Tamara, et al., “Rancang bangun sistem robot AGV untuk penyortiran paket ekspedisi dengan fitur anti collision,” in *JURNAL ELTEK*, vol. 20, no. 2, pp. 15-23, 2020. Available: https://doi.org/10.33795/eltek.v20i2.359

[10] P. Staczek, J. Pizoń, W. Danilczuk, and A. Gola, “A Digital Twin Approach for the Improvement of an Autonomous Mobile Robots (AMR's) Operating

Environment-A Case Study," in *Sensors* , vol. 21, 2022. Available: https://doi.org/10.3390/s21237830

[11] M. A. H. Eljinini and A. Tayyar, "Collision-free Random Paths between Two Points," in *IJISA: International Journal of Intelligent Systems and Applications*, Vol.12, No.3, pp.27-34, 2020. Available: https://doi.org/10.5815/ijisa.2020.03.04

[12] A. Joon and W. Kowalczyk, "Design of Autonomous Mobile Robot for Cleaning in the Environment with Obstacles," in *Applied Sciences*, vol. 11, 2021. Available: https://doi.org/10.3390/app11178076

[13] G. Fragapane, R. de Koster, F. Sgarbossa, and J. O. Strandhagen, "Planning and Control of Autonomous Mobile Robots for Intralogistics: Literature Review and Research Agenda," in *European Journal of Operational Research*, vol. 294, pp. 405-426, 2021. Available: https://doi.org/10.1016/j.ejor.2021.01.019

[14] M. A. K. Niloy, et al., "Critical Design and Control Issues of Indoor Autonomous Mobile Robots: A Review," in *IEEE Access*, vol. 9, pp. 35338-35370, 2021. Available: https://doi.org/10.1109/ACCESS.2021.3062557

[15] S. Santoro, "Design and implementation of a Sensory System for an Autonomous Mobile Robot in a Connected Industrial Environment," in *Politecnico di Torino*, 2021. Available: https://webthesis.biblio.polito.it/21258/1/tesi.pdf

[16] M. Indri, L. Lachello, I, Lazzero, et al., "Smart Sensors Applications for a New Paradigm of a Production Line," in *Sensors*, vol. 19, 2019. Available: https://doi.org/10.3390/s19030650

[17] Y. M. Abueejela and H. A. Ali, "Wheeled Mobile Robot Obstacle Avoidance Using Compass and Ultrasonic," in *Universal Journal of Control and Automation*, vol. 6, no. 1, pp. 13-18, 2018. Available: https://doi.org/10.13189/ujca.2018.060102

[18] K. Piemngam, I. Nilkhamhang, and P. Bunnun, "Development of Autonomous Mobile Robot Platform with Mecanum Wheels," in *2019 First International Symposium on Instrumentation, Control, Artificial Intelligence, and Robotics (ICA-SYMP)*, Bangkok, Thailand, pp. 90-93, 2019. Available: https://doi.org/10.1109/ICA-SYMP.2019.8646085

[19] M. Crenganis, C. Biris, and C. Girjob ,"Mechatronic Design of a Four-Wheel Drive Mobile Robot and Differential Steering," in *MATEC Web of Conferences*, vol. 343, 2021. Available: https://doi.org/10.1051/matecconf/202134308003

[20] D. Hutabarat, M. Rivai, D. Purwanto, and H. Hutomo, "Lidar-base Obstacle Avoidance for the Autonomous Mobile Robot," in *12th International*

Conference on Information & Communication Technology and System (ICTS), pp. 197-202, 2019. Available : https://doi.org/10.1109/ICTS.2019.8850952

[21] R. Lin, H. Huang, and M. Li, "An automated guided logistics robot for pallet transportation, " in *Assembly Automation*, vol. 41, no. 1, 2020. Available: https://doi.org/10.1108/AA-04-2020-0052

[22] K. Shabalina, A. Sagitov and E. Magid, "Comparative Analysis of Mobile Robot Wheels Design," in *2018 11th International Conference on Developments in eSystems Engineering (DeSE)*, Cambridge, pp. 175-179, 2018. Available: https://doi.org/10.1109/DeSE.2018.00041

[23] H. Taheri and C. X. Zhao, "Omnidirectional mobile robots, mechanisms and navigation approaches," in *Mechanism and Machine Theory*, vol. 153, 2020. Available: https://doi.org/10.1016/j.mechmachtheory.2020.103958

[24] D. Dong, Y. Fang, and Z. Zhou, "Omnidirectional Mobile Robot Structure Design," in *Proceedings of the 2019 International Conference on Robotics, Intelligent Control and ArtificialIntelligence*, pp. 195-199, 2019. Available: https://doi.org/10.1145/3366194.3366228

[25] O. Supriadi, "Perancangan Robot Avoider Berbasis Arduino Uno Menggunakan Tiga Sensor Ultrasonik," in *Journal of Electrical Power, Instrumentation and Control (EPIC)*, vol. 1, no. 2, 2018. Available: https://doi.org/10.32493/epic.v1i2.1529

[26] G. A. Azhar, T. Winarno, and S. Izza, "Implementasi g-h Filter Pada Sensor Kompas Sebagai Peningkatan Akurasi Trajectory Tracking Robot Differential Drive," in *Journal of Mechanical and Electrical Technology*, vol. 1, no. 1, pp. 21-30, 2022. Available: https://doi.org/10.33379/metrotech.v1i1.1013

[27] A. Nurul, T. Winarno, and A. Komarudin, "Sistem Navigasi Robot Berkaki Menggunakan Sensor Lidar Dengan Metode PID," in *Jurnal Elkolind*, vol. 8, no. 1, pp. 109-118, 2021. Available: https://doi.org/10.33795/elk.v8i1.231

[28] Handson Technology, "HC-SR04 Ultrasonic Sensor Module User Guide," Model: MDU-1014, 2021. Available: https://www.handsontec.com/dataspecs/HC-SR04-Ultrasonic.pdf (accessed at June 5th, 2024).