

REFERENCES

- [1] G. W. Lazuardi, "Trajectory Path Planning Design For Omni Directional Mobile Robot With Mecanum Wheels," Bachelor, Faculty of Engineering and Information Technology, Swiss German University, Serpong, 2012.
- [2] R. B. Chandiardy, "Redesigning and Reconfiguration Control System of the Omni-Directional Mobile Robot Using Cubieboard for Executing Lagrange Trajectory," Bachelor, Engineering & Information Technology, Swiss German University, Serpong, 2015.
- [3] L. Zheng. (2011, 2015). *ABB robots deployed at HAVAL H6 SUV production line*.
- [4] B. E. Ilon, "Wheels for a course stable selfpropelling vehicle movable in any desired direction on the ground or some other base," United States Patent 3,876,255, 1972.
- [5] J. Grabowiecki, "Vehicle Wheel," United States Patent 1305535, 1919.
- [6] A. Koestler and T. Bräunl, "Mobile Robot Simulation with Realistic Error Models," *2nd International Conference on Autonomous Robots and Agents*, pp. 46-51, 2004.
- [7] M. Quigley, B. Gerkey, K. Conley, J. Faust, T. Foote, J. Leibs, *et al.*, "ROS: an open-source Robot Operating System," ed: Willow Garage, 2014.
- [8] O. S. R. Foundation. (2014, April 6). *About ROS*. Available: <http://www.ros.org/about-ros/>
- [9] K. E. Gunawan, "Configuring Two Robots for Collaborative Working by Implementing Robot Operating System (ROS) Indigo," Bachelor, Mechanical Engineering - Mechatronics Concentration, Swiss German University, Serpong, 2015.
- [10] K. Kamarudin, S. M. Mamduh, A. Y. M. Shakaff, and A. Zakaria, "Performance Analysis of the Microsoft Kinect Sensor for 2D Simultaneous Localization and Mapping (SLAM) Techniques," *Sensors*, vol. 14, pp. 23365-23387, December 5, 2014.
- [11] Microsoft. (2014, April 6). *Kinect for Windows*. Available: <https://www.microsoft.com/en-us/kinectforwindows/>
- [12] K. Khoshelham and S. O. Elberink, "Accuracy and Resolution of Kinect Depth Data for Indoor Mapping Applications," *Sensors*, vol. 12, pp. 1437-1454, February 1, 2012.
- [13] D. Pratama, "Designing and Developing a Neural Network Path Planner System on Mecanum Wheel Mobile Robot Platform," Bachelor, Engineering, Swiss German University, Serpong, 2014.
- [14] TullyFoote. (2015, May 26,). *Ubuntu ARM install of ROS Indigo*. Available: <http://wiki.ros.org/indigo/Installation>
- [15] Davine, "Implementing SLAM Mapping on an Autonomous Guided Vehicle Using ROS," Bachelor, Faculty of Engineering and Information Technology, Swiss German University, Serpong, 2014.