ABSTRACT

The Speed Control Of Motor DC On Mobile Robot Left Tracking Using PID Method

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The Development of technology is very fast. Robotic is one of its development. One of characteristic of robotic based on the mobility of mobile robot that included in KRCI(Smart Robotic Indonesian Competition) is wall follower. Wall follower robot navigation move throgh path wall and the space of working system of robotic wall follower is to arrange. The distance between the robot and the wall in order not to attach or hit the wall with the speed constant. In this reseach, robotic wall follower that has been designed, that is mobile robot left tracking. The strength navigating system to support the optimality work the robot tracking the line wall is applied PID method(Proportional Integral Derivative). With the help of PID controller, mobile robot left tracking has capability to navigate with save, smooth and responsive quickly. The finding controling parameter of Pid that was achieved on this reseach the value is Kp=6 Ki=1 and Kd=3

Keywords : *Mobile Robot Left Tracking, PID*