## ABSTRACT

Progressive development of robots that vary widely in almost all areas seized the attention of scientists and researchers the world. For some cases the robots are generally used to help people in ease job. Every day most people do activities such as moving goods, look around and all the conditions that can not be separated from the movement from one point to another. Robots that have manual controls can be controlled according to the human desire when needed. Today, robots can replace humans mobilization to move so that the efficiency of wasted time will be less.

Many things to consider what kind of robot control reliable to replace human work in terms of mobilization. One thing that is important is the ability of a robot that can translate human desire to move from one point to another with ease. virtual world as in the human Android smartphone is very profitable to create a tool that is easy to control and can be used anywhere that relies on the human desire.

As a result of this research the robot tank that has a manual control system that can be controlled with a virtual path of Android smartphones. By scaling the image virtual path created on the Android smartphone with the distance actually traversed robots that have been determined from testing at 1: 50 has an accuracy of more than 70 % when the road straight and curved can improve the ease and efficiency of human beings in controlling the robot to move.



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