

## ABSTRACT

Along with technology advancement, human beings began to create new things to simplify life. Such as making automaticly system that control house to replace the human role in order to control existing tools in the house.

In this final task implemented image processing Haar Cascade Classifier as a method for recognizing hand pattern to control the existing tools at home by reading the patterns of the hand that has been determined and captured by the camera and then processed using OpenCV in the Raspberry Pi then will be converted into a command

The results of this research were obtained accuracy for the system to recognize patterns of hands and turn it into a command reaches 100% if the camera detects within 0.5 meters, while the distance of 3 meters its decreased to 60%.

Keyword - *Raspberry Pi*, *OpenCv*, Hand pose recognition