ABSTRACT

The development of technology is increasingly growing rapidly, presents new innovations in the field of technology that can help work in many ways. This reason for making computer vision, especially in the Object Detection can be used to recognize an object.

In this experiment there are various stages of experiments so that the system can recognize the object that will be detected, the first thing to do is do the color filter to the object to determine the color of the object, then do the form filter to determine the form of the object and finally is doing filter size. After the filter process is complete, the system will display the output of the results of the three filters.

Based on the results of the experiment it was obtained that the greater the object to be detected, the farther the distance of the object could be detected by the system, then the higher the image resolution processed, the longer the time needed to complete the Color Filter process, Filter Shape and Size Filter. On a circular, triangle and box of object moves obtained the results of the object of the circle have a high accuracy rate at each speed level in the trial test..

Kata Kunci: *Filter , Computer Vision , Object Detection.*