Abstract

The sense of vision in humans are eyes. Eyes work to capture information with the halp of light. Most people obtain information from eyes, because eyes still able capture information from distance of 60 maters or 200 feet. Besides, eyes only take 450 milliseconds to identify objeks. Therefore, if one's vision doesn't work, it can inhibit the person's daily activities.

In general, the blind obtain information by using other senses are still work, such as auditory and tactile. The blind divided in two types are blind and low vision. Low vision still have sharpness of vision, where low vision usually still able to see with the halp from brighter light because if lavels of light are lowlow vision not able to know what is around.

To overcome these problem then made an objek detector application by smartphone's camera of android platform is uc. This application requires input of voice and image objeks and use camera and sound as output which is expected to help low vision to recognize objek thet are round. OpenCV library is used in making application to compare images which taken by user with existing image of catalog application.

Key: *the blind, low vision, android, UC, OpenCV.*