

ABSTRACT

Along with the development of technology, a user can easily monitor and supervise various activities that others do. As an example of surveillance cameras. The camera can be used as a surveillance system of activities undertaken. Currently surveillance cameras are already widely used to monitor the process of examinations such as CCTV. However, the presence of surveillance cameras, still much the discovery of fraud. Therefore made using a surveillance camera image processing by detecting movement of the examinees to look the accuracy of the detected students in cheating.

This camera works using image processing that taking pictures around by detecting movement of the examinees. This camera also uses OpenCV library is designed for efficient computing with a focus on real-time applications.

To use OpenCV used Haar Cascade algorithm that can detect suspicious movements with image processing on the examinees. With the technology of monitoring the surveillance cameras as a test E-learning, is detect motions and accuracy of detected cheating movements in the examinees with the accuracy 95,71%.

Keywords: *Security cameras, Computer Vision, Haar Cascade*