

ABSTRACT

During the Covid-19 Pandemic, learning methods that were originally based offline had to change to online. This of course has an influence on the level of student focus, students who have low focus can make these students get poor grades. Lecturers will also find it difficult to supervise their students one by one in online-based learning. Based on these problems, research was conducted on systems that can detect student focus in learning. The system can detect the state of students who are sleepy or who are focusing on learning. The results of this study indicate that face detection using the Haar Cascade Classifier method can detect faces when the condition of the face is not blocked by an object and has sufficient light conditions. People who are not focused often close their eyes more than 14 times and yawn more than 4 times. Meanwhile, people who are in a state of focus rarely close their eyes and yawn. Also obtained an accuracy rate of 80% for the detection carried out on 10 people within a period of 5 minutes.

Keywords: Haar Cascade Classifier, Focus, Face Detection, and Image Processing.