

ABSTRACT

At present there is a supervisory process called proctoring in handling problems such as cheating in exams. Starting from proctoring which is done offline or at the exam location or done online from home. The main goal of any grading process is to prevent candidates from allowing someone else to take their place and to prevent cheating on the exam.

Since many previous studies have shown that online exams are now more prone to cheating, online proctoring will be the subject of further investigation. As evidence, survey-based studies report that academic dishonesty in perceptions and self-reported behavior is more common in online media environments or when seeking unauthorized help from friends. The online exam proctor system allows proctors to monitor candidates online during the exam via webcam, microphone, screen sharing, etc. There are several types of online proctoring systems, such as real-time proctoring, recorded proctoring, and controlled proctoring.

Research shows that there are problems that often occur with student cameras which make it difficult to supervise the examination process. For the obstacles in question such as camera blur, the lighting from the camera is lacking making it difficult to detect faces or an error occurs on the camera during the exam. So to overcome this problem, the mouse movement visualization method is used, this method was chosen because it is considered to be able to help the proctoring process in online exams if there are problems regarding student privacy security or problems that sometimes arise when using the camera used in online exams.

Keywords: *Proctoring, Mouse Movement Visualization*