

ABSTRACT

Presence is something that must be done by students when conducting lectures, because it is considered as a medium for recording student attendance as well as a benchmark for how active students are to attend lectures. In Faculty of Applied Sciences, student presence often faces obstacles regarding cheating on presence of lecturing. With the attendance of lecturing using presence cards, this allows cheating of lecture presence so that it results in errors in the process of recording student presence. Therefore, it is necessary to "Face Recognition Application for Student Presence using Depth Camera", namely by using Face Recognition to improve security in the student lecture attendance process. This application is built using visual C# as programming language and MySQL as database of application. This application development method is using the Waterfall method. Based on the results of the tests performed, the depth camera used can detect faces at a distance of 0.5 meters to 2 meters. This application can help in improving security in the student lecture attendance process.

Keywords: Depth Camera, Presence, Face Recognition