

ABSTRACT

Presence is an obligation for all agencies or companies to monitor the presence of each employee. As happened in Bandung Techno Park. Employee presences are carried out using RFID owned by each employee. Using RFID has several disadvantages such as the possibility of RFID to be lost / lag and misuse of RFID by others. These deficiencies can be overcome through the use of computer vision technology. Computer Vision is the ability of a computer to extract information from images needed to complete certain tasks. The existence of computer vision technology can replace attendance activities using RFID with the presence of using face recognition. Aside from being a tool for attendance, face recognition can also be used as a magnetic door lock opening tool. Based on the test results, this application is able to handle employee presence with Intel Realsense 3D cameras in the application of face recognition technology.

Keywords: Face Recognition, Presence, magnetic door lock