ABSTRACT

The mosque functions as a place of worship for prayers and fosters the people or congregation around the mosque, so the function of the mosque will have a positive impact on the life of the congregation in terms of prosperity and science. The mosque also functions as a place to foster activities for the development of Muslims from time to time, starting from the time of the Prophet Muhammad until now, it plays a very important role. Because the mosque is actually a center for positive Muslim activities, with positive activities, the development will have a positive impact on Muslims themselves.

Al-Aqsa Mosque is an influential mosque for Muslims because it is the first Qibla for Muslims. With the invasion from Israel, the pandemic, and the high cost, it is very difficult for Muslims in Indonesia to visit the Al-Aqsa Mosque.

Virtual Reality technology is one solution for Muslims who want to visit the Al-Aqsa Mosque but are hindered by several factors because users can feel the atmosphere of the Al-Aqsa Mosque without having to visit it. Virtual Reality is a technology that can give an immersive impression, which is an impression that can give an atmosphere as if surrounded by an object. This technology is implemented in our application.

This application is an Al-Aqsa Mosque Simulation Application with Virtual Reality Technology that displays 3D Modeling of the Al-Aqsa Mosque, in this application there is also a game that displays a quiz about the Al-Aqsa Mosque. This application is made using Unity and 3D Objects. In addition to displaying virtual reality, users can also see the whole complex of the Al-Aqsa Mosque with the 3D floor plan feature.

*To find out whether our application was successful as a solution or not, we conducted a test using a questionnaire to measure the level of user satisfaction. The method we use is the Likert scale method. We have found test results that **83.47%** of users agree that the Virtual Aqsa application can provide a virtual picture of the Al-Aqsa Mosque, besides that our application is proven to be able to increase user insight about the Al-Aqsa Mosque by increasing the value of completing the questionnaire by **26** points.*

Keywords: *Virtual Reality (VR), Unity, Al-Aqsa Mosque*