

ABSTRACT

Ummul Quro Foundation is the first tahfizd qur'an Foundation located in Fifty Cities District, Kenagarian VII Koto Talago, this foundation has been established for about 2 years, Learning at Ummul Quro still uses the method by listening to the teacher in front of the class and the limitations of books cause learning in ummul quro is less effective. In accordance with the problems experienced by ummul quro, so the author offers a more effective learning method by creating an AR-based learning application. Augmented Reality is a technology that unites two-dimensional or three-dimensional virtual objects into a real environment, then projects virtual objects in real time, Augmented Reality applications regarding prayer guidance and daily prayers equipped with marker cards as media supporting the application. The purpose of this Augmented Reality application is to introduce students to the Ummul Quro foundation about the guidance of prayer movements and daily prayers. Making the design of this marker card is strived to be as attractive as possible and according to the age of the user criteria so that in the use of the application it can blend with the user, the selection of themes and colors is the main part in making Augmented Reality application markers this daily prayer and prayer guidance, so that students are able to integrate with the application. and create a comfortable learning atmosphere and the purpose of making this application is conveyed to application users. Making a marker design for the Augmented Reality application for daily prayer and prayer guidance using the Multimedia Development Life Cycle (MDCL) method. The results of this final project produce an Augmented Reality application that is able to produce 3D models, sound and 2D daily prayers. brings up prayer movements and sounds that are operated by scanning the marker using a smartphone camera and there is also a daily prayer button that will display the Arabic version of the prayer. This application has been running as expected and has been tested using a questionnaire with 88% results with a very good category, it is hoped that it can help the Ummul quro foundation in learning daily prayer and prayer guidance.

Keywords: Unity, Augmented Reality