ANDROID BASED AUGMENTED REALITY APPLICATION AS LEARNING MEDIA INTRODUCING THE SOLAR SYSTEM

ZAKI MAKHASIN
Informatics Study Program, Faculty of Science & Technology
University of Technology Yogyakarta
Jl. Ringroad Utara Jombor Sleman
Yogyakarta E-mail :
zakimakhasin67@gmail.com

ABSTRACT

As the development of information technology continues to move from year to year, many learning methods have been created to support the teaching and learning process. Learning media in the form of solar system teaching aids currently still use print media, videos and other simple teaching aids where teachers predominantly explain and students just listen. Methods like this do not hone students' creativity and comprehension skills, plus the use of teaching aids is limited, on the other hand, there is the availability of the latest technology that can be developed into learning media. Learning methods supported by interesting technology-based media will create effective learning and achieve learning targets. The application of Augmented Reality in solar system learning media aims to provide innovative learning methods that can create interactive learning communication between teachers and students. The implementation method is to implement Augmented Reality using Vuforia and Unity to be applied to Android devices. The result achieved is a solar system recognition application that displays objects and information. With this Android-based Augmented Reality solar system application, it can make it easy to visualize solar system material in the form of more realistic modeling, complete with the Solar System AR Book which contains a summary of supporting material.