

ABSTRACT

This pandemic has now changed the traditional learning that was previously used in previously into an Online-Learning-Based. Learning about solar system or astronomy at the elementary level of class 5 and 6 and SMPs in grades 8 and 9 becomes less effective due to lack of learning materials and practical materials. This final project aims to create and develop astronomical learning applications in subjects in elementary and junior high schools. In 2013 McGraw-Hill Education and Hanover Research examined the preferences of 3000 students in digital learning. One of the results, 79% of students prefer tests that are done online, including digital textbooks. Although the research was conducted at the higher education level, learning at the secondary education level may have a similar tendency.

This SpaceNet application can be used to support learning related to astronomy so that it can assist teachers in delivering learning materials. This application is made by combining various multimedia objects, namely text, audio, and video. The data collection technique used was a questionnaire which was analysed descriptively. The research population was students in grades VI, VII, and VIII at a school in the Jakarta area with the results of testing on the application of 83.10% of respondents agreeing with the application they were trying to use.

Keywords: learning media, android application, astronomy