ABSTRACT

Create the application of learning in education are much in demand is to use multimedia. Previously teaching and learning activities in Junior High School 2 Cilegon still use konventional methods of learning without availability props for practice learning. Especially for subjects of Natural Sciences material Solar System for 8th degree state Junior High School, with the result that students do not understand the contents of the material presented. Therefore be required an application that describes the characteristics of the Solar System with animation and visualization, and quizzes to train the student's ability. The application is using Analysis, Desain, Development, Implementation, Evaluation (ADDIE) method. Some of the tools used in the manufacture of application is Adobe Flash CS6, corelDRAW X7 and Audacity. This research was conducted to junior high school students of class VIII to the number of participants as many as 30 people. Then the application testing by providing questionnaires to students. From the results of the questionnaire can be concluded that the majority of respondents interested, helps the process of learning activities, and support the creation application of the Solar System learning.

Keywords: E-Learning, Solar System, Multimedia, SMP Negeri 2 Cilegon, Adobe System