

## ABSTRACT

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Geography is a science that studies everything that exists on the surface of the earth. Learning about the earth is the material taught on the subjects of geography class X High School level (SMA). In the learning process, teachers have difficulty in arousing the students interests and spirit with the use of limited learning media due to the limited facilities owned by the school. Generally, students of class X have difficulties in studying geography subjects because they have a lot of material such as the history of the formation of the earth, the spread of the continents of the earth, the structure of the earth layer, the spread of earthquakes and volcanoes in Indonesia

With this problem, it is proposed to make Earth Learning Application for High School X High School with 3 main features, namely learning feature about earth, learning feature of earth layer structure, and learning feature of earthquake and volcano spreading in Indonesia. Also added another feature that is a feature of exercise questions (quizzes) for students and teachers. Interactive multimedia component in the delivery of material in the form of text, images, animation, audio and video. This application was created using ADDIE (Analysis, Design, Development, Implementation, Evaluation), with the programming language of the action script.

From the results of black box testing and user questionnaire testing, the application is made to get an 80% very interactive assessment, this is due to the delivery of interesting material with the visualization presented. While users feature quizzes get 90% rating because users already feel quite helpful to better understand the material about the earth.

*Keywords: Geography, learning materials, ADDIE, action script, for 10<sup>th</sup> grade highschool*