

DEVELOPMENT OF ANDROID BASED CHEMICAL LEARNING MEDIA FOR HIGH SCHOOL STUDENTS

Arina Diana Fatma
Graduate School, Yogyakarta State University
Yogyakarta - INDONESIA

Dr. Crys Fajar Partana
Faculty of Mathematics and Natural Science and Graduate School
Yogyakarta State University, Yogyakarta- INDONESIA

Abstract

The aim of this research is to design and create chemical learning media on smartphones with an android application for high school students. The development model used in the research was research and development which adopted the phase from ADDIE. The research sample consisted of XI grade students of high school Yogyakarta. The instrument used in this study is the media quality assessment sheet. This study resulted in (a) averages for feasibility of the media on all indicators are 76% from media experts, 93% from material experts, 92% from teachers and 87% from students, and (b) android application in the form of chemistry on android can be used as a chemical learning media. With the increasingly rapid development of technology, this Android smartphone can be used as an alternative to the development of chemical learning media in schools.

Keyword: Android application, learning media, smartphone.