ABSTRACT

THE DEVELOPMENT OF SCIENCE AND MATHEMATICS EDUCATION GAME APPLICATION FOR JUNIOR HIGH SCHOOL

By

YADI MULYADI
10107611

Science has widely influenced social life. Some of the student thought that science is a difficult and boring subject. It equals with student score which not good enough for science subject. Education game is a game which exclusively build for teaching a lesson to user, concept development, comprehension and guide them coaching their ability, and also to motivate them for playing. Game could become a new education media to introduce and teach science or other field.

After passing adequate step with development method which has been choosen, then there will be system examination which consist of alpha examination using white box method focused on function or disfunction of algorithm which used on software. It also black box examination which focus on software function requirement with conclusion is examination showed that there is syntax mistake happen because process selection in the form of short text message which has not maximize appeared, and beta examination which social examination with conclusion is the system has showing good result, easily learned and user compatible.

System examination which has been done can be useful to improve and arising student interest toward science subject. Moreover, it can also increase students' knowledge of the subjects of Natural Science. But still required the development of systems to improve system deficiencies that have been made.

Keyword : *Game, Education, Science, Junior High School.*