

ABSTRACT

In this millenium era,when the development of ICT is increasing rapidly. It impact into education segment, the mature concept and mechanism of teaching and learning based on ICT become reachable. Align with IT Telkom vision that want to become the most well internasional standard university on ICT has proposed the development master plan is to use e-learning.

Object Oriented Programming is one of courses on prody Industrial Engineering Major Information System. However, according to a preliminary survey conducted on 30 respondents Information Systems student who has taken courses in OOP, get the information that the students have difficulty in understanding this subject. One reason is that lecturer's teaching method less attractive. Data final grade students in 2011 showed there are still 26% of students who have achieved at least grade B. In this final project, carried out the construction of interactive multimedia learning software courses in object-oriented programming, which aims to create the feel of an exciting and interactive learning, through learning content that is animated so that the students' understanding of the course material can be increased. Learning software, there are materials, quizzes, and exercise. E-learning content focused on six modules, including object-oriented analysis, create and use objects, encapsulation, inheritance, interfaces, and multithreading. E-learning content is built using Adobe Flash CS5 action script 2.0 and the ADDIE model of instructional design.

Keywords: e-learning, e-learning content, interactive multimedia, object-oriented programming, ADDIE