ABSTRACT


The paradigm alteration of learning strategy from teacher centered to student centered encourage the academic community to use e-learning as one of learning methods which is perceived to be student centered. The use of e-learning is expected to motivate the increase quality of learning and teaching material, quality of activity and independence of learners, as well as communication between educators with learners and among learners. E-learning can also be used to overcome the limitation of classroom and time and distance barriers in the implementation of teaching learning activity. Modular Object Oriented Dynamic learning environment (Moodle) is a software package that allows you to create and conduct course/training/internet based education. In this study, the method used is System Development Life Cycle (SDLC) which consist of six main phrases namely planning system, analysis system, design system, implementation system, testing system, and use and maintenance system.

The level of understanding of educators and learners towards e-learning is as Communication Tools for 95.2% of educators and 100% learners, Learning Objects for 96.2% of educators and 100% of learners, Management of User Data for 96.2% of educators and 93%, Usability for 86.5% of educators and 86.6% of learner, Adaptation for 58.1% of educators and 71% of learners, technical Aspect for 73.6% of educators and 79% of learners, the Administration for 71.4% of educators and 98.9% of learners, Course Management for 77.1% of educators and 94.9% of learners. The percentage of interest of the learner is 96.7% and 94.3% for educators. This means the learning model developed using Moodle includes to good category.

Keywords: learning materials, Moodle, online, teaching materials, level of user interest, e-learning.