ABSTRACT

AFFNI SYAVIERA NOVA. **The implementation of e-learning design based Moodle Course Statistics In Information Engineering and Computer Education**. Supervisor YULIATRI SASTRAWIJAYA and M. FICKY DUSKARENAEN.

The study was conducted with the aim of designing implementation Moodle-based e-learning courses in the form of a website in the Statistics courses Information Engineering and Computer Education. E-learning system is designed to apply on all subjects that exist on the course Information Engineering and Computer Education, thus helping lectures. As early development, e-learning system was tested on the subject of statistics.

This study uses a design research and development (Research and Development), according Sugiyono (2010). The subjects of research that statistics professors and students who have followed the course of Statistics determined by purposive sampling. The data taken is the feasibility in terms of material and media through a questionnaire, and student feedback through questionnaires.

Responses experts pointed Moodle-based e-learning very good in terms of media and material terms. Results of the questionnaire responses of students in small-scale trials showed that the majority of students gave positive responses to learning activities using the media Moodle-based e-learning. Final product Moodle-based e-learning module shows, video, ppt, chat, virtual classroom and discussion forums. Various facilities owned content and e-learning makes learning system developed motion becomes more attractive.

Based on the analysis and discussion can be concluded that the Moodle-based e-learning is appropriate and feasible in the course of Statistics.

Keywords: Moodle-based e-learning, Statistics.