

The Development of E-Learning Courseware: Research Methodology for Project Courses of School of Science and Technology

Sorapak Pukdesree

School of Science and Technology,
Bangkok University, Thailand
sorapuck.p@bu.ac.th

Abstract - The research objectives were to develop the e-learning courseware entitled research methodology for project courses of school of science and technology and to study the opinions of learners who used this e-learning courseware. The key issues of the study were to help students who registered project courses of science and technology to understand research methodology which helps to complete their project reports by using technology with education and to gather feedbacks of the learners which were useful to revise and improve the e-learning courseware. Population was 60 students who registered project courses in second semester academic year 2014 of science and technology computer science. The sampling group was 30 undergraduate students which most of them were junior students. The samples were selected by convenience sampling method. The tools used in this research were the e-learning courseware entitled research methodology for project courses of school of science and technology and 2) the questionnaire of learner's opinions who used this e-learning courseware. There were five aspects of e-learning courseware's properties to be measured in the study. The research results showed that the average of opinions of learners in the aspects of overall of courseware was 3.95, the presentations were 3.98, the alphabets were 4.02, the graphics were 3.98 and sound effects were 4.16. Finally, the average opinion of overall of the e-learning courseware was 4.02 that were at high level.

Keywords - Electronic Courseware, E-Learning, Research Methodology, Project Course

Remark: The full paper may be found in www.eLearn2015.siamtechu.net