

Sopone Phonprapruit 2014: Development of Instructional Model with Online Project-Based Learning Base on Constructionism. Doctor of Education (Educational Technology), Major Field: Educational Technology, Department of Educational Technology.  
Thesis Advisor: Associate Professor Saroch Sopeerak, Ed.D. 304 pages.

The purpose of this research were to: 1) develop the Instructional Model with Online Project-Based Learning Base on Constructionism. 2) study the learning achievement after learning with the Online Project-Based Learning Base on Constructionism model. and 3) study the students opinion toward the Online Project-Based Learning Base on Constructionism model.

The study group for the research were two groups, the first group were 9 specialists on Online Project-Based Learning Base on Constructionism, selected by purposive sampling and the second group were 30 students of Multimedia Technology program in academic year 2013 that enrolled the Creative Thinking in Multimedia course, semester 2. The data were analyzed by percentage, mean, standard deviation and t-test one group.

Results of the research were found that: 1) the Online Project-Based Learning Base on Constructionism model consisted of 4 phases, that were Phase 1: Preparation; Phase 2: Show Interested Topic and Group Forming Stage; Phase 3: Online Projected Stage were 5 steps (1) project statement, (2) project plan, (3) project implementation, (4) project report, (5) project presentation preparation and Phase 4: Presentation and Evaluation Stage. 2) from the experiment result found that the students learning achievement after learning from Online Project-Based Learning Base on Constructionism model was passed in the “very good” level. The abilities to do online project after learning with the Online Project-Based Learning Base on Constructionism model were developed at “high” level in all abilities. And 3) the students opinion toward the Online Project-Based Learning Base on Constructionism model was at “high” level.

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Thesis Advisor's signature