

THE DEVELOPMENT OF VDO & COMPUTER-BASED LEARNING FOR PRE-SERVICE INSTRUCTORS OF HIGHER EDUCATION

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The purpose of the research was to develop and evaluate the satisfaction of VDO & Computer-Based Training packages for pre-service instructors of higher education. The sample consisted of KMUTT 3rd year students in Electrical Technology Education Department for acting and taking VDO concerning teaching skills and teaching methods, and 4th year students for satisfaction assessment of VDO & Computer-Based Training packages.

The results of the research on VDO & Computer-Based Training packages were as follows: 1) Most students highly satisfied with the teaching skills which consisted of : Speech and Gesture, Illustration Using Pictures, Explaining Working Principles, Questioning Technique, Whiteboard Writing, and 2) The students' highest level of satisfaction on teaching methods which consisted of First Hour Teaching, Teaching with Instructional Materials (both Completed Instructional Sheets and Gap Handouts), How to Derive Formula (both Forward and Backward), Giving Examples, Vector Teaching, Problem-Based Learning, especially was on clear picture and sound, while at moderate level was on the size of pictures.

In fact, this study had shown that VDO & Computer-Based Training packages can be introduced to not only instructors at the higher education level but also other educational levels so that the competencies of the instructors will be enhanced and become highly respected. What's more, it was identified by National Education Act of B.E. 2542 (1999) especially on section 52, chapter 7 that "The Ministry shall promote development of a system for teachers and educational personnel, including production and further refinement of this category of personnel,The Ministry shall, in this regard, take a supervisory and co-ordinating role so that the institutions responsible for production and development of teachers, faculty staff, and educational personnel shall be ready and capable of preparing new staff and continually developing in service personnel."