

C740247 : MAJOR EDUCATION RESERCH

KEY WORD : EXPERIMENTAL RESEARCH DESIGN/ AN ANALYSIS OF RESEARCH DESIGN

BENCHANART AMORNPRASIT : AN ANALYSIS OF EXPERIMENTAL RESEARCH DESIGNS EMPLOYED IN THESIS AT GRADUATE LEVEL, FACULTY OF EDUCATION, CHULALONGKORN UNIVERSITY DURING 2530-2537 ACADEMIC YEARS. THESIS ADVISORS : ASST. PROF. SUWATANA SUWANKETNIKOM, Ph.D.115 pp. ISBN 974-635-510-4

The research was aimed at analyzing the experimental research designs employed in 264 post- graduated theses at Chulalongkorn University during the 1987-1994 academic years. The data was collected by using the recording coding form and analyzed by employing descriptive statistics.

Findings :

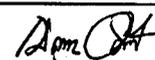
1. True experimental designs were used the most. On the average, the internal validity and the external validity were about 91.84% and 60.28% respectively. While the average of the power of test and effect size were about .7421 and 1.95 respectively. Quasi-exberimental design were secondary popular. The average of the internal validity, external validity, power of test and effect size were about 82.78%, 57.68%, .7485 and 2.36 respectively. Pre-experimental design were the least used. The average of the internal validity, external validity, power of test and effect size were about 49.49%, 53.28%, .9548 and 1.68 respectively.

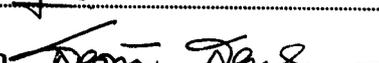
2. Most of the studies involved a single experimental variable and a single dependent variable. The majority of the experimental studies was about teaching and learning activities and teaching media. About 63.6% of the innovation were lesson plan. Three forth of the theses studied only a cognitive domain aspect of learning achievement. A test was the most data collection period. About 66% of the instrument had good quality. Thai language, Mathematics and English were the most popular subject in the theses. The primary schools were mostly studied and about 52.7% of which were in Bangkok and surrounding area. Most of the experiment carried out at least 4 weeks. The samples were selected from a specified school and the size of the experiment group was about 30 students. The t-tests were used to analyze the data the most.

ภาควิชา..... วิทยาลัยการศึกษา

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ลายมือชื่อนิสิต..... 

ลายมือชื่ออาจารย์ที่ปรึกษา..... 

ลายมือชื่ออาจารย์ที่ปรึกษาร่วม.....