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CHAROON CHITRUG: A SYNTHESIS THESIS IN COMPUTER-ASSISTED
INSTRUCTION IN THAILAND DURING B.E. 2529-2538. THESIS ADVISOR:
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This research's objectives were to synthesize the experimental researchs in CAI. The study focused on the effectiveness of CAI in learning achievement, retention and attitude toward instruction. One hundred and thirty eight CAI experimental research theses of Doctoral and Master degree from the faculty of education in Thailand, published during B.E. 2529-2538, were collected. A total of 37 research theses were selected for effect size calculation.

The results indicated as follows:

1. For all 138 research theses, a large number of research were conducted at the Chulalongkorn university and Srinakharintaraviroj prasanmitra university, designed by using Tutorial CAI type, concentrated on mathematics subject, studied in secondary education level between 1-4 week.
2. Effectiveness of the outcomes which were learning achievement, retention and attitude toward instruction, comparing to traditional instruction, were respectively shown an everage effect size as 0.91, 0.89 and 0.58 for all the education level.
3. For learning achievement, most of the everage effect size were related to subjects and duration of instruction. For retention, most of the everage effect size were related to education level and source of population or sample groups. For attitude, most of the everage effect size were related to source of population or sample groups.

ภาควิชา..... โสตทัศนศึกษา.....

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