

พิมพ์ต้นฉบับบทความวิทยานิพนธ์ภายในกรอบสี่เหลี่ยมนี้เพียงแผ่นเดียว

C840752 : MAJOR EDUCATIONAL MEASUREMENT AND EVALUATION
KEY WORD: COMPUTER PROGRAM / COMPUTERIZED ADAPTIVE TESTING

SAICHON OPTHOM : THE DEVELOPMENT OF THE PROGRAM FOR COMPUTERIZED
ADAPTIVE TESTING. THESIS ADVISOR : ASSD. PROF. SIRICHAJ
KANJANAWASEE, Ph.D. 229 pp. ISBN 974-635-878-2

The purpose of this research was to develop a computer program for
Computerized Adaptive Testing. The research and development process was as
follows; problem identification, problem and needs analysis, computer program
design, computer language selection, program writing, program functioning
testing, manual writing and computer program evaluation. The program was
written by using Pascal language and compiled by Delphi version 2.0. The
program was evaluated by 17 teacher users and 122 Praharuthai convent student
users.

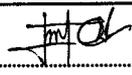
This research produces the Computerized Adaptive Testing Program
which uses variable branching model. Examinees ability is estimated by
Bayesian procedure. The computer program for Computerized Adaptive Testing
consists of 2 subprograms : the item typing management and the management of
examination which work on Windows' 95. The program is terminated when the
standard error of estimates lower than 0.3.

The result of evaluation by program users showed that the program
was efficient and useful for educational measurement and evaluation.
Furthermore, it can be used in the schools, too.

ภาควิชา..... วิทยาการศึกษา.....

สาขาวิชา..... การวัดและประเมินผลการศึกษา.....

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