

THESIS TITLE : THE DEVELOPMENT OF THE MICROCOMPUTER PROGRAM
FOR SCORING AND ITEM ANALYSIS
IN CRITERION-REFERENCED TEST

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ABSTRACT

The purposes of this research were to develop and evaluate microcomputer program for scoring and item analysis criterion-referenced test. This research was conducted as follow :-

(1) identified and analysed problems about test analysis, (2) designed the computer program, (3) chose the programing language, (4) compiled and corrected program"s grammar, (5) tested program, (6) prepared documentation, and (7) evaluated program.

the microcomputer program was developed bu using Foxpro version 2.6, The program implementation consisted of four steps as follows:- (1) defining database, (2) data entry and modification, (3) data processing, and (4) reporting.

Twelve teachers, from all subject groups and in charge of measurement in Tha-bo School, Tha-bo District, Nongkai Province, were experimental group to try out microcomputer program.

The research result was the microcomputer program for scoring and evaluating item analysis. This program could correctly check and analyse quality of test, compute basic statistics, reliability of Livingston, Brennan, Lovett, difficulty-easy of test, and discrimination index.

The research of program evaluation found that the developed program had efficiency for scoring and analysing quality test. Besides this, teachers thought that the program could lighten to score and analyse quality of test, and assisted to improve measurement work as well.