

Thesis Title: The Construction of Mental Ability Tests for Late

Childhood

Author: Miss Tanarax Puntian

M.Ed.: and by Educational Measurement and Evaluation were also

Examining Committee: interpretation of each subject.

Assoc. Prof. Phian Chaisorn Chairman

Assoc. Prof. Nilobol Nimkingratana Member

Assist. Prof. Aunnop Koonphandh Member

Abstract

The purposes of this study were to construct the Mental Ability Tests for Late Childhood, to calculate the difficulties, discriminations, and reliabilities of each of the six subtests, to calculate construct validity of the total test and to construct the norm tables. These subtests were given to Prathom Suksa 3 to 6 students under the Office of Chiang Mai Provincial Primary Education two times for try-outs and one time for norm tables construction. The samples for these three-time testing were 483, 484 and 1,268 respectively. The results were as follows.

1. There were 30 items in each of following subtests namely: Verbal Ability Test, Memory Ability Test, Reasoning Ability Test, Numerical Ability Test and Spatial Relation Ability Test and 60 items in Perception Ability Test. The difficulties, discriminations, reliabilities of the subtests were between .43 - .56, .33 - .68,

.71 - .92 respectively. The total construct validity was 0.64.

2. For scores interpretation, the researcher had constructed, for each and total subtests, the percentile norm tables classified by age and by grade. Age-norm and grade-norm tables were also constructed for scores interpretation of each subtest.