

Sasithron Rordyoi 2015: A Development of Public Mind Test for Mathayomsuksa 1-3 Students in Chai Nat Province. Master of Education (Educational Research and Evaluation), Major Field: Educational Research and Evaluation, Department of Educational. Thesis Advisor: Miss Warunee Lapanachokdee, Ph.D. 151 pages.

The purpose of this research was to develop the public mind test for Mathayomsuksa 1-3 Students in Chai Nat Province. Using stratified sampling method, research sample for norms construction consisted of 730 Mathayomsuksa 1-3 students who studied in school under The Secondary Education Service Area Office 5 in Chai Nat Province, academic year 2013. The developed public mind test comprised of 42 items, aimed to assess 2 public mind's indicators ; 1. helping people without expecting anything in return and 2. participating in activities which are useful for school, community and society. The first indicator consisted of 3 behavior indicators; 1.1 helping parents, guardians, and teachers voluntarily, 1.2 volunteer time, energy, and knowledge to serve others, 1.3 sharing belongings, possessions, and other things and help people to overcome their problems or make them happy. The second indicator consisted of 3 behavior indicators; 2.1 protecting public property and environment voluntarily, 2.2 participating in activities which are useful for school, community, and society, 2.3 participating in public activities to help solve problem or do good deeds with enthusiasm. Each behavior indicator consisted of seven multiple choice situational questions with five different 1-5 score choices.

The research result showed that the developed public mind test was the soundness test that could be efficiently used to assess the public mind of Mathayomsuksa 1-3 students in Chai Nat Province. The significant findings were as follows: 1. The item discrimination index were in the range of 0.33-0.60 and t-test were in the range of 4.71-19.32 2. The construct validity of public mind test, investigated by confirmatory factor analysis, revealed that construct validity of the public mind test was achieved; Chi-Square with 748 df was 795.46 ( $p=0.11$ ), Standardized RMR was 0.09, RMSEA was 0.02, GFI was 0.85, and AGFI was 0.82 3. Cronbach's alpha reliability coefficient for the whole test was 0.93, for the indicator 1 and 2 were 0.89 and 0.92 respectively, and for the behavior indicator 1.1, 1.2, 1.3, 1.4, 1.5 and 1.6 were 0.78 0.73 0.64 0.84 0.74 and 0.80 respectively. 4. The local norms for the public mind test score interpretation presented in the form of normalized T-score were in the range of  $T_3 - T_{89}$ ,  $T_{16} - T_{84}$ ,  $T_{14} - T_{88}$ ,  $T_{22} - T_{79}$ ,  $T_{15} - T_{85}$  and  $T_{17} - T_{85}$  for the behavior indicator 1.1, 1.2, 1.3, 2.1, 2.2 and 2.3 respectively, in the range of  $T_{4-103}$  and  $T_{13-88}$  for the indicator 1 and 2, and in the range of  $T_1 - T_{99}$  for the whole test. 5) The manual of the public mind test was suitable, easy understand and fully important composition.

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