

Suwadee Meeplet 2010: The Development of Reading Analytical Thinking and Writing Ability Test by Item Response Theory for Prathomsuksa 6 Students of Pathumthani Education Service Area Office 2. Master of Education (Educational Research and Evaluation), Major Field: Educational Research and Evaluation, Department of Education. Thesis Advisor: Mrs. Suntara Tobua, Ed.D. 109 pages.

The research objectives were 1) to develop reading, analytical thinking and writing ability test by Item Response Theory for Prathomsuksa 6 Students, 2) to study parameter of test by Item Response Theory, 3) to construct norms of the test. The samples used for developing these test were obtained by the multi – stage random sampling technique from Prathomsuksa 6 Students in the academic year 2008 of Pathumthani Education Service Area Office 2.

The reading, analytical thinking and writing ability test was developed through the following steps 1) study concept and theory of reading, analytical thinking and writing ability for constructing the test 2) The validity of the test items were judged by specialists. A sample of 5 students was used for the first try out to studied language and time to do the test. A sample of 100 students was used for the second try out to tested Unidimensionality by factor analysis and analyzed quality of the test by Item Response Theory. The selected items from the second try out were implemented with a sample of 956 students to constructed norms.

The results of the research were 1) The test was composed of 2 parts. Part 1 was The reading and analytical thinking ability test consisted of 30 items multiple choices and Part 2 was the writing ability test consisted of 1 item essay. 2) The reading and analytical thinking ability test have item discrimination parameter were range from 0.93 to 2.31 average level of 1.57. the item difficulty parameter were range from -0.34 to +1.97 average level of 0.62 and the item guessing parameter were range from 0.19 to 0.30 average level of 0.26. The writing ability test have item discrimination parameter was 1.24 and the item difficulty parameter was 0.43. 3) Norms of reading analytical thinking and writing ability of Prathomsuksa 6 Students of Pathumthani Education Service Area Office 2 were range from -2.65 to +2.87

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Thesis Advisor's signature