

CHALINEE AEIMSRI : THE DEVELOPMENT OF A CRITICAL THINKING
TEST FOR PRATHOM SUKSA SIX STUDENTS. THESIS ADVISOR :
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The purpose of this research was to construct and develop a Critical Thinking Test for Prathom Suksa six students. The test consisted of 40 Multiple choice items with 3 choices. Time to complete the test was 60 minutes. The sample consisted of 1,959 Prathom Suksa six students in the academic year 1992 under The Jurisdiction of Bangkok Metropolitan Administration were randomly sampled from the population of 39,136. The major findings were as follows :

1. Mean of the test was 24.07, the standard deviation was 5.584, the skewness was -.015 and the kurtosis was -.428
2. The difficulty index ranged from .40 to .84 and the item discrimination ranged from .10 to .45
3. The internal consistency reliability coefficient was .7277 and the standard error of measurement was 2.914. The test - retest reliability coefficient as .6655 and the standard error of measurement was 3.030
4. The result of factor analysis identified seven significant factors in which the cumulative of percentage of variance was 31.0 and consisted of 29 items which their factor loading more than .30. The concurrent validity was analyzed by Pearson Product Moment Correlation. The correlation between the Critical Thinking Test and The Standard Progressive matrices was .4022 and significant at the .01 level, the correlation between the Critical Thinking Test and the Pictorial Classification Test was .3611 and significant at the .01 level, the correlation between the Critical Thinking Test and the Scientific Problem - solving Test was .4564 and significant at the .01 level.