Thesis Title :   Construction of Science Creativeness Test for

Lower Secondary School Students

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Abstract

The purposes of this study were to construct Science Creativeness Test for lower secondary school students, to calculate construct validities, difficulties, discriminations, reliabilities of the test, and to construct the norm tables of each of the three subtests. These subtests were administered to two groups of public lower secondary school students in Chiang Mai province. The two groups consisted of 100 and 405 students. The results were as follows.

1. There were 25 items in each of the following subtests namely : Divergent production of Figural Test, Divergent production of Semantic Test, Divergent production of Symbolic Test. The construct validities were high ($\bar{X}$ = 0.95-1.00). The reliabilities, difficulties of the subtests were between 0.68-0.71 and 0.388-0.456 respectively. The discriminations were statistically significant at .001 level.

2. Normalized T-scores were used as the norms of the three subtests which were between 19-80.