

Thesis Title Construction of a Science Process Skills Test for
the Lower Secondary School Students

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Abstract

The purpose of this study were to construct the science process skill test for the lower secondary school students, to determine the difficulties, the discrimination, the reliabilities, construct validity and to construct the norms table. These subtests were given to Mathayom Suksa 3 students of Muang district Chiangmai province schools under private lower secondary schools office and government lower secondary school office.

The samples for the norms table were 473 under the private lower secondary school office and 225 in government lower secondary school office. The results were as follows:

1. The test of science process skill consist of 13 skills, 73 items. The difficulty was .51, the discrimination was .35, the reliabilities was .8031 and the structure validities index (IOC) was over .60 .

2. The norms table for lower secondary school students of private and government schools to be constructed. The mean of score in private lower secondary school norm was 38 , the mean of score in government lower secondary school norm was 36, the mean of both was 37 and the total score of this test is 73. The researcher had built the manual to use this test and the norm to interpret the score.