

Title **The Development titled** “Excel 2013 Program Usage in Computer Subject, Working, Occupation, and Technology Learning Substance for Matayomsuksa 2 Students by using the Computer Assis Lesson.

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ABSTRACT

The objectives of this research were : 1) to construct the computer assisted lesson titled “Excel 2013 Program Usage, Working, Occupation, and Technology Learning Substance,” called computer assisted lesson titled “Excel 2013 Program Usage, Working, Occupation, and Technology Learning Substance,” for Matayomsuska 2 Students, to include efficiency as criterion 80/80, 2) to study the effectiveness index of computer assisted lesson titled “Excel 2013 Program Usage, Working, Occupation, and Technology Learning Substance,”3) to compare the learning achievement scores between the post-test and pre-test, titled “Excel 2013 Program Usage, Working, Occupation, and Technology Learning Substance,” and 4) to study Matayomsuska 2 Students’ satisfaction on learning by using the computer assisted lesson titled “Excel 2013 Program Usage, Working, Occupation, and Technology Learning Substance.” The samples using in the experiment were 31 Matayomsuksa 2 Students, Nongpawittayanuson School, under jurisdiction of Chaiyapume Provincial Administrative Organization, Department of Local Administration, Ministry of Interior, who were studying during the second semester of 2018 academic year. They were selected by Purposive Sampling. The research instruments were: 1) the computer assisted lesson titled “Excel 2013 Program Usage, Working, Occupation, and Technology Learning Substance,” for Matayomsuksa 2 Students, developed by the researcher, 2) fifteen knowledge management plans titled “Excel 2013 Program Usage, Working, Occupation, and Technology Learning Substance,” for Matayomsuksa 2 Students, 3) the learning achievement test titled “Excel 2013 Program Usage, Working, Occupation, and Technology Learning Substance,” and 4) the questionnaire of Matayomsuksa 2 Students’ satisfaction on learning by using the computer assisted lesson titled “Excel 2013 Program Usage, Working, Occupation, and Technology Learning Substance,” included 20 items.

The research findings found that:

1. The efficiency of computer assisted lesson titled “Excel 2013 Program Usage, Working, Occupation, and Technology Learning Substance,” for Matayomsuksa 2 Students, was = $84.63/82.45$ which was higher than the specified criterion.

2. The effectiveness index of computer assisted lesson titled “Excel 2013 Program Usage, Working, Occupation, and Technology Learning Substance,” for Matayomsuksa 2 Students, was = 0.7638 or 76.38% , indicated that the students had progress learning score truly = 76.38% of the possible maximum progressive score.

3. the learning achievement scores between the post-test and pre-test, titled “Excel 2013 Program Usage, Working, Occupation, and Technology Learning Substance,” for Matayomsuksa 2 Students, the students have mean achievement scores the post-test higher than the pre-test at $.05$ level.

4. Matayomsuksa 2 Students’ satisfaction on learning by using the computer assisted lesson titled “Excel 2013 Program Usage, Working, Occupation, and Technology Learning Substance,” in overall, their satisfaction was in “The Highest” level.