

THESIS TITLE : THE TEACHING OF MATHAYOM SUKSA I SCIENCE
SUBJECT ON THE TOPIC OF THE ECOSYSTEM BY
APPLYING GENERATIVE LEARNING MODEL IN
ACCORDANCE WITH THE CONSTRUCTIVIST THEORY
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ABSTRACT

The purpose of the present action research was to help students to develop correct scientific concepts by applying the Generative Learning Model to the teaching of Mathayom Suksa I science subject on the topic of the Ecosystem. The research team consisted of the present researcher herself, two co-researchers and 33 Mathayom Suksa I (Grade 7) students of M. 1 / 2 class from Lalom Wittaya School in Phusing District, Srisakes Province, during the second semester of the 1998 academic year. Collection of data was made by applying both the qualitative and quantitative methodologies. Analysis of the qualitative data was done by means of interpreting, summarizing and testing for validity before writing a narrative report. Analysis of the quantitative data, on the other hand, was done by means of percentage and mean.

The findings showed that in applying the Generative Learning Model to the teaching of science subject on the topic of the Ecosystem the teacher must place emphasis on letting the students do the actual practice and perceive direct experience. The students should be able to combine together their past learning , newly acquired knowledge and actual practice to form a tool for the interpretation and manipulation of the acquired data , then retain that experience in their lasting memory unit. Furthermore , teaching learning activities organized for the students must be in line with their interest and needs. However , when the findings on the aspect of developing the students' scientific concept was scrutinized , it was found that the Generative Learning Model can help amend the students' incorrect scientific concepts while strengthen the correct ones.