

**A COMPARISON OF THE EFFECTS OF SIMULATION AND MODELING TECHNIQUE
ON PROBLEM SOLVING ABILITY OF PRATHOM SUKSA VI STUDENTS OF
WAT THARTTHONG SCHOOL (RAUN KHYO SA-AD) IN BANGKOK**

AN ABSTRACT

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The purpose of this experimental research were to compare the effects of Simulations and Modeling Technique on Problem Solving Ability of Prathom Suksa VI students of Wat Thartthong School (Ruan Khyo Sa-Ad) in Bangkok.

The Sample was selected from Prathom Suksa VI students whose scores of the problem solving ability Tests were lower than twenty-five percentile. They were randomly selected for the two experimental groups ; each group was consisted of 12 students. The experimental group I was assigned to participate in simulations and The experimental group II was assigned to participate in modeling technique.

The instruments were the problem solving ability test, the simulation program and the modeling technique program. The t - test was used to analyze the data.

The results were as follows :

1. Problem solving ability of the students of the experimental group I was significantly higher than before the experiment at .01 level.
2. Problem solving ability of the students of the experimental group II was significantly higher than before the experiment at .01 level.
3. There was no significantly difference of the problem solving ability of the students between the experimental group I and group II.