


THESIS TITLE : THE DEVELOPMENT OF SCIENCE LEARNING ACHIEVEMENT AND  
SCIENCE PROCESS SKILLS OF PRATOM SUKSA VI STUDENTS  
USING SCIENCE PROJECT ACTIVITY

AUTHOR : MR. PAITON CHAIPRAKHON

THESIS ADVISORY COMMITTEE :

 Chairman  
(Assistant Professor Somchai Komol)

 Member  
(Assistant Professor Chumpol Ratchavijit)

 Member  
(Mr. Worathep Chintim)

ABSTRACT

The purposes of this study were to develop Science learning achievement and Science Process Skills of Pratom Suksa VI (Grade VI) students.

The target group consisted of 28 Pratom Suksa VI students of Ban Srakham School under the jurisdiction of Nongki District Office of Primary Education, Buriram Province. The study was done during the second semester of the 1998 school year.

Three categories of instruments used in the study included : 1) those used in the experiment which consisted 15 lesson plans which had been prepared in accordance with the Science Project Activities ; 2) feedback apparatus which consisted of teacher's behavior observation form, student's studying behavior observation form, student interview form, teacher's diary, worksheet and quizzes ; 3) teaching - learning activities' effectiveness evaluation which was a Science learning achievement test and Science process skills achievement test.

The study followed action research procedure which involved three spirals. Collection of data was done through keeping a record of the results of teaching - learning activities, observing and interviewing the students. At the end of each spirals a quiz was administered to evaluate the progress made by the students. Following that, the researcher together with assistant analyzed the feedback data in order to investigate ways of improving teaching - learning activities for greater efficiency.

The findings showed that :

The students who studied Science under the Model have made an average learning achievement score of 74.35% which was higher than the expected score of 70%. Furthermore, the students who had passed the prescribed criterion of mastery amounted to 75% of the total number which was higher than the prescribed 70% and Science process skills achievement score of 73.23% which was higher than the expected score of 70%. Furthermore, the students who had passed the prescribed criterion of mastery amounted to 71.43% of the total number which was higher than the prescribed 70%.