

C241463 : MAJOR SCIENCE EDUCATION

KEY WORD : SCIENCE PROJECT/UPPER SECONDARY SCHOOLS/THE NORTHEASTERN REGION
SOMYOT TALODNOK : STATE AND PROBLEMS OF SCIENCE PROJECT OPERATION OF
STUDENTS IN THE UPPER SECONDARY SCHOOLS, THE NORTHEASTERN REGION.
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The purpose of this research was to study state and problems of science project operation of students in the upper secondary schools, the northeastern region. The subjects were 248 upper secondary school students who had operated the science projects, 70 science project advisors and 41 directors. The instruments were the check-list, rating-scale and open-ended questionnaire. The obtained data were analysed by means of percentage, arithmetic mean and standard deviation.

The findings were as follows:

1. State of science project operation : Mostly the students were encouraged to do the project by the teachers during the instructions. Students were interested and volunteered to do the projects by themselves. Steps in operating the projects were co-operated by the students and their friends under the supervision of the project advisors. The schools facilitated equipments, places, fund and science project presentation of students. The science project operation was done after the school hours. The project advisors suggested the extra-informational resources. The format of the project reports was the format suggested by the committee of the science project contest. The projects were evaluated from the science process skills and outcome of the operation which the advisors and experts co-evaluated.

2. The problems of science project operation were in the mid-level. The high-level problems of science project operation were as follows: the lack of texts, research abstracts, science and technology research documents, students paid more attention to the tutorial classes than to the projects, the resources were too far away, students had no creative thinking in science project operation, the lack of experts in the topics operated and schools provided no extra budget.