

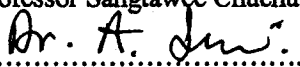
THESIS TITLE : A STUDY ON THE LEARNING ACHIEVEMENTS WORKING  
SKILLS, AND WORKING EXPERIENCE OF ELEMENTARY  
SCHOOL STUDENTS IN GROWING STAKELESS YARD LONG  
BEAN FOR SEED PRODUCTION WITH THE EMPHASIS ON  
GROUP WORKING PROCESS OF PRATOMSUKSA VI STUDENTS

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#### Abstract

The objectives of this investigation were: to study the learning achievements and working skills of Pratomsuksa VI students of Ban Kuddoo Community School, Office of Primary School of Nonsang District, Nongbualumphoo Province, Thailand on the cultivation of stake-less yard long bean KKU#25 for seed production with the emphasis on individual working groups. The work was carried out during the second semester of 1996.

The samples used for this investigation were forty students of Pratomsuksa VI of Ban Kuddoo Community School, Nonsang District, Nongbualumpoo Province. The design used for this research was a pre-Experimental Design recognised as a one-shot case study. The research tools developed by researcher-referenced criterion were 10 teaching plans with the emphasis on group learning achievements and working skills, a test of working skills on learning achievements which was corrected to behavioral intention with respect to an IOC index between 0.6-1.0 was used. After the completion of the experiment, the data on learning achievements and working skills were used for statistical analysis as to compare the average scores being achieved by the students in growing stake-less yard long bean KKU#25 for seed production. The average scores of achievements and working skills were used to compare with 80% of full score. The data were also analyzed for economic returns in relation to capital investment.

The results showed that:

1. The eight groups of students attained learning achievements and working skills on growing stake-less yard long bean KKU~~7~~25 for seed production with respect to group learning achievements and working skills higher than full score percentage of 80 and it was statistically significance (  $P = 0.05$  ). The results conformed with the created hypothesis.
2. The eight groups of students were able to obtain their group working achievements and learning skills in growing stake-less yard long bean KKU~~7~~25, greater than 80% of full score and the result was statistically significance at  $P = 0.05$ .
3. The growth of stake-less yard long bean KKU~~7~~25 was normal reaching the mean value in height of 95.3 cm. Seed yields were ranging from 3.5 to 4.6 kg/group with the average seed yield of 65 kg/rai (6.25 rai = 1 ha ). Seed yield was taken only once further amount was not included. With the current marketable price of seeds per kilo of 200 Baht, the selling of seeds gave the net profit of 4990 Baht for the whole lot. This was considerably a good value to invest.
4. Group working skills in practice, the eight groups of students have followed step by step i.e. they started from chosen group leader then each group conducted meeting to create jobs for each member for their own responsibilities and co-operation in all activities carried out. The students always conducted meetings before proceeding to the work. Researcher and his assistant did measure the skill of students with the plan measurement for practical work and then evaluated the average value of working skill of all groups of the students.