

2. ค่าดัชนีประสิทธิผลของการเรียนรู้ โดยใช้กระบวนการปฏิบัติประกอบแบบฝึกทักษะ เรื่อง การประดิษฐ์วัสดุเหลือใช้ มีค่าเท่ากับ 0.7720
3. ผลสัมฤทธิ์ทางการเรียนของนักเรียน หลังเรียนสูงกว่าก่อนเรียนอย่างมีนัยสำคัญทางสถิติที่ระดับ .05
4. นักเรียนมีความพึงพอใจต่อการเรียนรู้ โดยใช้กระบวนการปฏิบัติประกอบแบบฝึกทักษะ โดยรวมอยู่ในระดับมากที่สุด ($\bar{X} = 4.79$, S.D. = 0.42)



มหาวิทยาลัยราชภัฏมหาสารคาม
RAJABHAT MAHASARAKHAM UNIVERSITY

TITLE : Results of Learning Management by using the Skill Practicing from Performance Process Under Topic the Rest Material Invention learning Area Group Vocation and Technology for Matayomsuksa 3

AUTHOR : Parntong Photiklung **DEGREE :** M.Ed. (Curriculum and Teaching Learning)

ADVISORS : Asst. Prof. Dr. Surakan Changharn Chairman
Asst. Prof. Dr. Vilun Jumpafad Committee

RAJABHAT MAHA SARAKHAM UNIVERSITY, 2015

ABSTRACT

This study had the following objectives : 1) Develop the results of learning management by using the skill practicing form under topic the rest material invention of learning area group vocation and technology for Matayomsuksa 3 students which were qualified the 80/80 efficiency criteria ; 2) Find the efficiency index of learning management by using the process of skill practicing form under topic the rest material invention ; 3) Compare the results of the pre-test and post-test achievement by using the skill practicing form under topic the rest material invention and 4) study the level of students' satisfaction toward learning management by using the rest material invention. The sample groups were 46 Matayomsuksa 3 students of Suwannaphumpitayapisan School under the office of secondary Educational service area 27 by using group random sampling technique. The instruments used in this study were : 1) six (6) learning plans ; 2) six (6) sets of skill practicing form ; 3) the achievement test of learning results with 40 numbers of questions; and 4) the questionnaire for asking the level of satisfaction of students with the total number of 15 items. The statistics used in this study were the percentage, means standard deviation and the t- test (Dependent Samples).

The Results of research were as follows :

1. Learning management by using the skill practicing form under topic the rest material invention of the learning area group vocation and technology of Matayomsuksa 3 students had the 80.28/88.26

2. The efficiency index of learning management results by using the skill practicing form performance process under topic the rest material invention was 0.7720.

3. The achievement of students after learning was higher than before learning statistically significant at the .05 level.

4. The students were satisfied with learning by using the skill practicing form in general was in the most level ($\bar{X} = 4.79$, S.D. = 0.042)



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