

ทางการเรียนหลังเรียนสูงกว่าก่อนเรียน นักเรียนมีคะแนนทดสอบหลังเรียนสูงกว่าแบบทดสอบก่อนเรียน อย่างมีนัยสำคัญทางสถิติที่ระดับ .01 และนักเรียนมีความพึงพอใจต่อการเรียนการสอนด้วยบทเรียนบนเว็บ โดยใช้การจัดการเรียนการสอนแบบ TGT อยู่ในระดับมาก ($\bar{x} = 4.10$, S.D. = 0.64)



มหาวิทยาลัยราชภัฏมหาสารคาม
RAJABHAT MAHASARAKHAM UNIVERSITY

TITLE : A development of achievement motivation by using Web-Based Instruction with
TGT techniques in subject of C Programming for
Matthayomsueksa 5 students of Sarakhampittayakhom School

AUTHOR : Teerapon Pasotagang **DEGREE :** M.Ed. (Computer Education)

ADVISORS : Assoc. Prof. Dr. Kanok Samavardhana Chairman

Asst. Prof. Dr. Prasobsook Ritthidet Committee

RAJABHAT MAHA SARAKHAM UNIVERSITY, 2015

ABSTRACT

The objectives of this research were 1) to develop students' achievement motivation in subject of C Programming by using Web-Based Instruction (WBI) using TGT techniques for Matthayomsueksa 5 students, 2) to compare learning achievement of Matthayomsueksa 5 students in subject of C Programming who learned by WBI with TGT techniques between the pre-test and the post-test scores, and 3) to study students satisfaction after learning through developed WBI followed action research approach. The target group consisted of 39 students of Mathayomsueksa 5/4 at Sarakhampitthayakhom School, 2nd semester, 2014 academic year. Research tools were: lesson plans on the subject of C Programming, WBI with Teams-Games Tournaments (TGT) techniques which was developed based on ADDIE model, an achievement motivation test, an achievement test, and a student satisfaction form. The statistics used for data analysis were means, standard deviation, and t-test.

The findings of this study were as follows :

1) The students achievement motivation after learning by WBI with TGT techniques was increased. The learning behaviors of students were daring to think and making decisions.

2) The students had achievement motivation of the post-test score higher than the pre-test score significantly at .01 level.

3) The students satisfaction after learning with WBI with TGT techniques was at high level ($\bar{X} = 4.10$, S.D.= 0.64).