

2. ผู้เรียนมีทักษะการคิดเชิงวิเคราะห์หลังเรียนสูงกว่าก่อนเรียนอย่างมีนัยสำคัญทางสถิติที่ .05
3. ผู้เรียนมีผลสัมฤทธิ์ทางการเรียนหลังเรียนสูงกว่าก่อนเรียนอย่างมีนัยสำคัญทางสถิติที่.05
4. ผู้เรียนมีความพึงพอใจต่อมัลติมีเดียตามแนวทฤษฎีคอนสตรัคติวิสต์ ในระดับมากที่สุด

TITLE The Development of Multimedia Based on Constructivist Theory in Basic English Course Entitled “House and Home” for Prathomsuksa 4 Students.

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ABSTRACT

The purposes of this research were to 1) develop the multimedia based on Constructivist theory in basic English course entitled “House and Home” for Prathomsuksa 4 students, 2) find out the quality of the multimedia based on Constructivist theory. 3) compare critical thinking of students with the multimedia based on Constructivist theory before and after learning, 4) compare learning achievement of the students who had studied with multimedia based on Constructivist theory before and after learning, and 5) study the students’ satisfaction towards the multimedia based on Constructivist theory. Subjects of this research, selected through purposive sampling, were Prathomsuksa 4 students on the first semester of the 2009 academic year at Ban Khwao School, Kosum Phisai district, Maha Sarakham province. The instruments used in the research were a multimedia based on Constructivist theory, a multimedia quality assessment form by the specialists, a critical thinking skills form, an achievement test, a rating scale questionnaire on students’ satisfaction. The statistics used for analyzing data were percentage, mean, standard deviation and *t*-test for hypothesis testing.

The results of the research were as follows:

1. The result of multimedia quality assessment based on Constructivist theory rated by the specialists was at an excellent level.

2. The critical thinking skills of the students after learning were higher than before learning at the .05 level of significance.

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

4. The satisfaction of the students towards the multimedia based on Constructivist theory was rated at the highest level.
