



**TITLE :** The Results of Creative Thinking Development of Early Childhood Children by Organizing Creative Activities Using Waste Materials

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### **ABSTRACT**

The research objectives were to study the results of creative thinking development of early childhood children by organizing creative activities using waste materials, and to compare the creative thinking, before and after going through the creative activities using waste materials, of the early childhood children. The target group consisted of 13 kindergarten-2 students in the second semester of the academic year 2012 of Ban Nongtakraw School, Tambon Muangfai, Nong Hong District, under Buriram Office of Primary Education Service Area 3, obtained through purposive sampling. The instruments used comprised a plan of creative activity organization using waste materials, an evaluation form for creative thinking, and a test for creative thinking. The statistics used were percentage, mean, standard deviation, and the Wilcoxon Matched-Pairs Signed-Ranks Test for the hypothesis testing.

The results are as follows:

1. The early childhood children who were given the learning experience of creative thinking development by using creative activities using waste materials had the average score of creative thinking at 84.04 percent, and the percentage of the early childhood children whose average score passed the 80 percent criterion was 100 percent of the total number of the early childhood children, and the aspects of thinking are ranked in descending order as follows: the fluency was 86.15 percent, the flexibility was 85.38 percent, the originality was 83.08 percent, and the elaboration was 81.54 percent.

2. The early childhood children who were given the creative activities using waste materials had higher creative thinking after using the creative activities than before using the activities, with statistical significance at the .05 level.



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