

Achara Pakitanang 2009: The Effects of Using Creative Mathematics Activities on Geometrical Understanding of Young Children. Master of Education (Early Childhood Education), Major Field: Early Childhood Education, Department of Education. Thesis Adviser: Assistant Professor Chalatip Samahito, Ed.D. 164 pages.

The purposes of this research were: 1) to study the effects of using creative mathematics activities on geometrical understanding of young children. 2) to compare the geometrical understanding of young children before and after using creative mathematics activities.

Subjects used in this research were 28 male and female preschool ranging age from 4 ½ - 5 ½ years old and studied in kindergarten level 3 in the second semester year of 2008. Subjects were selected by using cluster sampling technique from Kaset Home Economic Kindergarten School. The research instruments were the creative mathematics activity plans for young children, the geometrical understanding test, children behavioral observation form and interview on children's works related to geometric. The obtained data were analyzed by mean, standard deviation, dependent t-test and content analysis.

The results of this research showed that young children who participated in creative mathematics activities had higher posttest score in geometrical understanding than pretest score at the level of .05 significance. Children's works showed the improvement of geometric understanding.

Student's signature

Thesis Advisor's signature

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