

Effect of games towards children's mathematics Performance

ABSTRACT

This study aims to investigate if there a significant different in pre and post of Early Mathematics performance. A single group pre-test and post-test with intervening Early Mathematics based games was used in this research. This involved assessment on the early Mathematics abilities (Ginsburg & Baroody, 2003). This program was conducted among preschoolers (aged 5-6 years old) in one selected rural preschool in Menggatal district, Sabah. The school has 4 classes of 25 students each, with a total of 100 preschoolers. One sample t-test was conducted to compare mathematics ability of children before and after intervention. Mean score for pre-test is 15, while mean score for post-test is 22.32. There was a significant difference in the scores for mathematic ability in pretest ($M=15.78$, $SD=.99$) and post-test ($M=22.32$, $SD=.78$), $t(86) (= -28.52, p = 0.000)$. The results show, that the use of games developed by authors are effective in improving preschoolers early Mathematics performance.