The Influence of Multimedia Learning in Increasing the Cognitive Ability of Kindergarten Students

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Abstract:

The main purpose of this research was to find out the influence of multimedia learning in increasing the cognitive ability of kindergarten students. In addition, this researches were conducted to identify the difference between the cognitive ability of those who received the treatment, and those who did not. The research subjects were 24 kindergarten students from B class. Random assignment was applied to assign the subjects into experimental group (12 students) and control group (12 students). The cognitive ability was measured by Piaget’s Tasks Instrument. Pretest-posttest control group design was used as the experimental design of this research, and the data were analyzed by t-test. The result showed there was a highly significant difference between the cognitive ability of the experimental group and the control group (t = 3.266 ; p = 0.002) The experimental group showed higher cognitive ability (Mean = 7.08) than the control group (Mean = 4.33). According to the research result, the multimedia learning was effective in increasing the cognitive ability of kindergarten students.