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Effect On the Cognitive Processing Training On Visual Memory and Comprehension of Students with Learning to Read Third Grade to Fifth Karaj

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Introduction

Read the most basic learning tool for students. Is the basis for reading comprehension. Comprehension of written educational materials on various aspects of the basic skills that affect academic achievement.

Objectives

This study was investigated and determined the effects of cognitive processing program on visual memory and comprehension of students with reading learning disability in Third to fifth grade (class).

Methods

In desired population, we used available sampling form which was established from third to fifth grade students with learning disabilities in reading centers in Karaj. The numbers of sample persons were 30 who were randomly divided into two groups: experimental group (15) and control group (15). Training program in the cognitive processing of the experimental group was conducted in 11 sessions of 45 minutes. In order to collect test data we used Kim Karad test for visual memory, comprehension subtest (dyslexia test, Karami and Nuri, 1387).

Result

As ANCOVA results showed, after adjusting pre-test scores, among the participants of group, there was a significant effect.

Conclusions

positive effect on cognitive processing program on visual memory of students and student's comprehension and experimental group was in compared with control group.

Keywords: cognitive processing, visual memory, comprehension, reading learning disorder.