

# **The Influence of the Perceptual-Motor Activities Learning Models to Improve the Concentration and Working Memory of Kindergarten Pupils**

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## **ABSTRACT**

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This study aimed to find out the influence of perceptual-motor activities (PMA) learning models towards the improvement of concentration and working memory of kindergarten pupils. Motor perception is motor development which prominently happened during the age of 4 up to 7 years in which a stimulus is needed in order that pupils can enhance their motor perception skills. One of the PMA models is by giving the pupils a set of six movements, namely walking on a balance beam, walking and stopping on the pictures of body parts while mentioning the name, jumping and leaping, walking and running (zigzag, forward-backward, right cross-left cross).

The methods employed in this study was pseudo experiment. This experiment design is used to measure the influence variable of PMA model that involve several components in motor perception movements and affected to the improvement of kindergarten pupils' concentration and working memory. The research data were gathered using test and measurement. The subject of the study was 30 pupils of Class B in Madukismo Kindergarten. Purposive random sampling is used to take the sample. To analyze the data, descriptive percentage is applied.

Based on the results of the research and the elaborated discussion in Chapter IV, several conclusions can be drawn. The influence of PMA learning model is developed involving six core movements, specifically: (1) walking on a balance beam, (2) walking and stopping on the pictures of body parts while mentioning the name, (3) jumping and leaping on a half hula hoop, (4) running, walking, jumping, leaping, and tiptoeing (to the left and right, as well as forward and backward in the middle of 10 hula hoops arranged in parallel on the floor, (5) crawling while dribbling a ball with chest or knees in a tunnel made from hula hoop, (6) throwing balloon/ball in pairs in the middle of hula hoops. It can be concluded that these activities influenced the improvement of concentration and working memory of kindergarten pupils.

*Kata Kunci: concentration, kindergarten pupils, the learning model of perceptual-motor activities, working memory*