

ABSTRACT

Analysis Of Cognitive Styles Of Field Dependent And Independent Field Of Class Iv Students In Solving Mathematics Problems At SDN Pandian I

*Keywords: Cognitive Style, Field Independent, Field Dependent, Solving
Mathematical Problems*

This study aims to (1) determine the results of the Mathematical Problem Solving Test, (2) to describe the cognitive style of students' Field Dependent (FD) in solving mathematical problems, (3) to describe the cognitive style of students' Field Independent (FI) in solving mathematical problems. . The research method used in this study was a combination method (Mixed Methods) using a Sequential Explanatory Design. The results showed that (1) the TPMM (Mathematics Problem Solving Test) results of field independent and field dependent students were good. This is proven by using the one sample t-test with the acquisition of Sig (2-tailed), which is 0.005 less than 0.05, then H_0 is rejected and H_a is accepted. (2) The cognitive style of field dependent students in solving mathematical problems according to the Polya Stages theory is that it is difficult to absorb information so that they do not understand the problem and are unable to explain using their own sentences, think globally or use their own strategies so that presenting irrelevant steps, getting wrong and hasty answers -hasty and a little unsure of the workmanship. (3) The cognitive style of independent field students in solving mathematical problems according to the Polya Stages theory is that they easily absorb information so that they are able to understand thoroughly by changing story questions into mathematical, analytical and systematic sentences so that they are able to present the correct solving steps by determining the arithmetic operations that are relevant to questions, get correct and thorough answers and always re-check answers.