

Analysis Of Problem-Solving Ability Of Smpn 16 Mataram Students In Solving Word Problems On Algebraic Expressions In Terms Of Cognitive Style In Grade VII For The Academic Year 2023/2024

Mathematics is one of the subjects that must be studied at every level of education. This study aims to analyze students' problem-solving abilities in solving algebraic word problems by considering differences in cognitive styles. This study aims to describe students' problem-solving abilities in solving algebra word problems based on field-independent and field-dependent cognitive styles. The type of research used is descriptive qualitative research. The subjects of this study were 6 seventh-grade students from SMPN 16 Mataram in Mataram City, consisting of 3 field-independent students and 3 field-dependent students selected through purposive sampling techniques. Data collection was conducted using the GEFT test instrument, problem-solving test questions, and interview guidelines. Data analysis was carried out in stages, including data reduction, data presentation, and drawing conclusions. In the results of the cognitive style test (GEFT) given to the VIIA grade students, consisting of 32 students from SMPN 16 Mataram, it was found that there were students with both Field Dependent (FD) and Field Independent (FI) cognitive styles. From the GEFT results, there were 11 students with a FD cognitive style and 21 students with a FI cognitive style, indicating that the dominant cognitive style in this class is Field Independent.

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