

## ABSTRAK

**Jemi Ari Mula Tua Sinurat, NIM 4183111054 (2022). Analisis Kesalahan Kemampuan Spasial Siswa Kelas VII SMP Negeri 2 Namorembun Ditinjau Dari Gaya Kognitif Dengan Menggunakan Pembelajaran Matematika Realistik.**

Penelitian ini bertujuan untuk Mengetahui Kesalahan Siswa Kelas VIII SMP Negeri 2 Namorembun yang memiliki Gaya Kognitif Field Dependent dan Field Independent dalam menyelesaikan soal, Mengetahui respon siswa Kelas VIII SMP Negeri 2 Namorembun Terhadap Pembelajaran Matematika Realistik. Penelitian ini didesain Study Case Control dan dilaksanakan pada semester genap T.A. 2021/2022. Siswa diberikan pembelajaran matematika realistik dan kemudian diberikan tes kemampuan spasial. Dilakukan juga tes gaya kognitif agar dapat dibedakan siswa yang bergaya kognitif field dependent dengan field independent. Hasil Penelitian menunjukkan bahwa siswa yang bergaya kognitif field independent memiliki kemampuan spasial yang tinggi dibandingkan siswa yang memiliki gaya kognitif field dependent. Respon siswa dalam pembelajaran matematika realistik juga cukup baik.

**Kata Kunci:** Gaya Kognitif, Field Independent, Field Dependent, Pembelajaran Matematika Realistik, Kesalahan Siswa, Kemampuan Spasial.

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**Jemi Ari Mula Tua Sinurat, NIM 4183111054 (2022). Error Analysis of Spatial Ability of Class VII Students of SMP Negeri 2 Namore Rambe Viewed From Cognitive Style Using Realistic Mathematics Learning.**

This study aims to find out the mistakes of Class VIII students at SMP Negeri 2 Namore Rambe who have Field Dependent and Field Independent Cognitive Styles in solving problems, to find out the responses of Class VIII students at SMP Negeri 2 Namore Rambe towards Realistic Mathematics Learning. This research was designed as a Case Control Study and carried out in the even semester of T.A. 2021/2022. Students are given realistic mathematics lessons and then given a spatial ability test. Cognitive style tests were also conducted in order to differentiate between field dependent and field independent students with cognitive style. The results showed that students with field independent cognitive style had high spatial abilities compared to students with field dependent cognitive style. Student responses in learning realistic mathematics are also quite good.

**Keywords:** Cognitive Style, Field Independent, Field Dependent, Realistic Mathematics Learning, Student Errors, Spatial Ability.

