

ABSTRACT

Andrian Patingki. Student ID Number 411417033. 2022. *The Relationship of Students' Cognitive Style and Mathematical Problem-Solving Ability in the Eight-Grade Class of SMP Negeri 1 Botupingge. Undergraduate Thesis.* Study Program of Mathematics Education, Faculty of Mathematics and Natural Sciences, Universitas Negeri Gorontalo.

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This research was carried out at SMP Negeri 1 Botupingge in the odd semester of the academic year of 2021/2022. This study aims to determine the relationship between students' cognitive style and mathematical problem-solving ability on number pattern material. This research applied a survey method with a correlational approach. The instruments used to collect research data were questionnaires and tests. Descriptive and inferential analytical methods were employed in data analysis approaches. The data are presented using descriptive analysis in the form of mean, median, mode, and standard deviation. Inferential analysis is used to test the research hypothesis. The results of the study indicated that there was a relationship between students' cognitive style and mathematical problem-solving ability. This is proven by the correlation coefficient value of 0.65. In addition, the cognitive style also contributes 42,25% to the improvement of mathematical problem-solving ability through a linear relationship of $\hat{Y} = 26,08 + 2,11X$.

Keywords: Cognitive Style, Mathematical Problem-Solving ability, Number Pattern



LEMBAR PENGESAHAN SKRIPSI

Skripsi yang berjudul: **“Hubungan Gaya Kognitif Siswa Dengan Kemampuan Pemecahan Masalah Matematika Di Kelas VIII SMP Negeri 1 Botupingge”**

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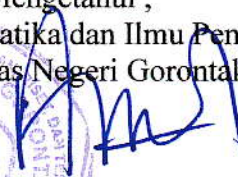
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