

## Abstrak

Agustin, Tri Meri. 2021. *Analisis Kemampuan Komunikasi Matematis Siswa Dalam Menyelesaikan Soal Higher Order Thinking (HOT) Ditinjau Dari Kemampuan Matematika.*

Skripsi. Program Studi pendidikan matematika. STKIP PGRI Sidoarjo. Dosen Pembimbing: 1) Siti Nuriyatin, S.Pd., M.Pd. 2) Nurina Ayuningtyas, S.Pd., M.Pd.

*Kata kunci: kemampuan, komunikasi matematis, siswa, menyelesaikan soal, Higher Order Thinking (HOT), ditinjau dari kemampuan matematika.*

Penelitian ini bertujuan untuk mengetahui kemampuan komunikasi matematis siswa dalam menyelesaikan soal *Higher Order Thinking (HOT)* di SMP IT. Ar-Rahman Tulangan, jenis penelitian ini adalah deskriptif kualitatif dan pengambilan subjek. Penelitian berdasarkan nilai matematika dan guru matapelajaran dengan diambil 3 siswa yang dikategorikan kemampuan tinggi, kemampuan sedang dan kemampuan rendah. Instrument yang digunakan tes tulis terdiri dari 2 soal tipe *Higher Order Thinking (HOT)* materi deret bilangan dan pedoman wawancara kemampuan komunikasi siswa, hasil penelitian ini menunjukkan hasil berbeda setiap subjek yaitu subjek kemampuan tinggi dalam tes tulis dapat menyelesaikan 2 soal dengan benar dan wawancara sangat baik. Kemudian subjek kemampuan sedang dapat menyelesaikan soal dan wawancara baik sedangkan kemampuan subjek rendah tidak dapat menyelesaikan soal tes tulis dan wawancara.

## Abstract

Agustin, Tri Meri. 2021. Analysis of Students' Mathematical Communication Ability in Solving Thesis *Higher Order Thinking (HOT) Question In Terms Of Mathematical Abilities*.

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Keywords: ability, mathematical communication, students, solving problems, *Higher Order Thinking (HOT)*

This study aims to determine students' mathematical communication skills in solving HOT questions in IT SMP. Ar-Rahman Reinforcement, this type of research is descriptive qualitative and subject taking. The study was based on the value of mathematics and subject teachers with 3 students categorized as high ability, medium ability and low ability. The instrument used in the written test consisted of 2 HOT type questions, number series material and interview guidelines for students' communication skills, the results of this study showed different results for each subject, namely the high ability subject in the written test could solve 2 questions correctly and the interview was very good. Then the moderate ability subject was able to complete the questions and interviews well, while the low ability subject could not complete the written test and interview questions.