ABSTRAK

Fatimah Azzarah. (2025). Analisis Kemampuan Komunikasi Matematis Siswa dalam Menyelesaikan Soal HOTS Matematika dengan Konteks Kemaritiman. Skripsi. Tanjungpinang: Program Studi Pendidikan Matematika, Fakultas Keguruan dan Ilmu Pendidikan Matematika, Universitas Maritim Raja Ali Haji. Pembimbing I: Romadhoni Azmi, S.Pd.I., M.Ed. Pembimbing II: Nurul Hilda Syani Putri, S.Pd., M.Si.

Kata Kunci: Kemampuan komunikasi matematis, HOTS Matematika, Konteks Kemaritiman

Pendidikan matematika memiliki peran fundamental dalam mengembangkan intelektual siswa, dengan komunikasi matematis menjadi kunci penting dalam proses pembelajaran. Penelitian ini bertujuan mendeskripsikan kemampuan komunikasi matematis dalam menyelesaikan soal HOTS Matematika dengan Konteks Kemaritiman di SMA Negeri 4 Tanjungpinang. Studi menggunakan metode deskriptif kualitatif dengan subjek siswa kelas XI, mengumpulkan data melalui tes kemampuan komunikasi matematis dan wawancara. Hasil penelitian menunjukkan tingkat kemampuan komunikasi matematis siswa terdistribusi dalam tiga kategori: 18% tinggi, 67% sedang, dan 15% rendah. Siswa dengan kemampuan komunikasi matematis tinggi mampu memenuhi seluruh indikator komunikasi matematis, meliputi *writing text, drawing text,* dan *mathematical expression*. Siswa berkategori kemampuan komunikasi matematis sedang hanya mampu memenuhi sebagian indikator, sedangkan siswa dengan kemampuan komunikasi matematis rendah tidak dapat memenuhi indikator komunikasi matematis.

ABSTRACT

Fatimah Azzarah. (2025). Analysis of Students' Mathematical Communication Ability in Solving Mathematics HOTS Problems with Maritime Context. Undergraduate Thesis. Tanjungpinang: Mathematics Education Study Program, Faculty of Teacher Training and Education, Raja Ali Haji Maritime University. First Supervisor: Romadhoni Azmi, S.Pd.I., M.Ed. Second Supervisor: Nurul Hilda Syani Putri, S.Pd., M.Si.

Keywords: Mathematical communication ability, Mathematics HOTS, Maritime context

Mathematics education plays a fundamental role in developing students' intellectual capacity, with mathematical communication serving as a crucial element in the learning process. This research aims to describe students' mathematical communication ability in solving Mathematics Higher Order Thinking Skills (HOTS) problems with maritime context at SMA Negeri 4 Tanjungpinang. The study employed a qualitative descriptive method with eleventh-grade students as subjects, collecting data through mathematical communication ability tests and interviews. The research findings reveal that students' mathematical communication ability levels are distributed across three categories: 18% high, 67% moderate, and 15% low. Students with high mathematical communication ability were able to fulfill all mathematical communication indicators, including writing text, drawing text, and mathematical expression. Students in the moderate mathematical communication ability category could only fulfill some indicators, while students with low mathematical communication ability were unable to meet the mathematical communication indicators.