

ABSTRAK

Maulana. (2026). Analisis Kemampuan Pemahaman Konsep Matematis Siswa SMA dalam Menyelesaikan Soal SPLTV Menggunakan Konteks Budaya Lokal. Skripsi. Tanjungpinang: Program Studi Pendidikan Matematika, Fakultas Keguruan dan Ilmu Pendidikan Matematika, Universitas Maritim Raja Ali Haji. Pembimbing I: Susanti, S.Pd., M.Pd. Pembimbing II: Mirta Fera, S.Pd., M.Si.

Kata Kunci: Kemampuan Pemahaman Konsep Matematis, SPLTV, Konteks Budaya Lokal.

Penelitian ini bertujuan untuk mendeskripsikan kemampuan pemahaman konsep matematis siswa SMA Negeri 4 Tanjungpinang dalam menyelesaikan soal Sistem Persamaan Linear Tiga Variabel (SPLTV) menggunakan konteks budaya lokal. Penelitian ini menggunakan pendekatan kualitatif dengan jenis penelitian deskriptif. Subjek penelitian adalah siswa kelas X.7 SMA Negeri 4 Tanjungpinang. Pengumpulan data dilakukan melalui tes kemampuan pemahaman konsep matematis dan wawancara. Berdasarkan hasil tes, dipilih enam subjek penelitian yang mewakili kategori kemampuan tinggi, sedang, dan rendah. Analisis data menggunakan model Miles dan Huberman yang meliputi reduksi data, penyajian data, dan penarikan kesimpulan, sedangkan keabsahan data menggunakan triangulasi teknik. Hasil penelitian menunjukkan bahwa dari 14 siswa yang mengikuti tes, sebanyak 2 siswa (14,29%) berada pada kategori tinggi, 6 siswa (42,86%) kategori sedang, dan 6 siswa (42,86%) kategori rendah. Siswa dengan kategori tinggi mampu memenuhi seluruh indikator kemampuan pemahaman konsep matematis, siswa kategori sedang mampu memenuhi tiga indikator, sedangkan siswa kategori rendah belum mampu memenuhi seluruh indikator. Dengan demikian, kemampuan pemahaman konsep matematis siswa masih didominasi oleh kategori sedang dan rendah dalam menyelesaikan soal SPLTV menggunakan konteks budaya lokal.

ABSTRACT

Maulana. (2026). *An Analysis of Senior High School Students' Mathematical Conceptual Understanding in Solving Three-Variable System of Linear Equations (TVSLE) Problems Using a Local Cultural Context*. Undergraduate Thesis. Tanjungpinang: Mathematics Education Study Program, Faculty of Teacher Training and Education, Universitas Maritim Raja Ali Haji. Supervisor I: Susanti, S.Pd., M.Pd. Supervisor II: Mirta Fera, S.Pd., M.Si.

Keywords: *Mathematical Conceptual Understanding, Three-Variable System of Linear Equations (TVSLE), Local Cultural Context.*

This study aimed to describe the mathematical conceptual understanding of students at SMA Negeri 4 Tanjungpinang in solving Three-Variable System of Linear Equations (TVSLE) problems using a local cultural context. This study employed a qualitative approach with a descriptive research design. The research subjects were students of Class X.7 at SMA Negeri 4 Tanjungpinang. Data were collected through a mathematical conceptual understanding test and semi-structured interviews. Based on the test results, six students representing the high, moderate, and low levels of mathematical conceptual understanding were selected as the research subjects. The data were analyzed using the Miles and Huberman model, which consisted of data reduction, data display, and conclusion drawing. The validity of the data was ensured through technical triangulation. The findings revealed that, out of 14 students who participated in the test, 2 students (14.29%) were categorized as having a high level of mathematical conceptual understanding, 6 students (42.86%) as moderate, and 6 students (42.86%) as low. Students in the high category fulfilled all indicators of mathematical conceptual understanding, those in the moderate category fulfilled three indicators, while students in the low category were unable to fulfill all indicators. Therefore, the mathematical conceptual understanding of the students was predominantly at the moderate and low levels in solving TVSLE problems using a local cultural context.