

ABSTRAK

Fadilla Camellia, NIM 4173311043 (2022). Analisis *Higher Order Thinking Skills* (HOTS) Siswa Kelas X Pada Materi Sistem Persamaan Linier Tiga Variabel Ditinjau Berdasarkan Perbedaan Gender Di MAS Tahfizhil Qur'an Medan.

Penelitian ini bertujuan untuk (1) mengetahui *Higher Order Thinking Skills* siswa laki-laki dan siswa perempuan di kelas X MAS Tahfizhil Qur'an Medan, (2) mengetahui kesulitan yang dialami siswa laki-laki dan siswa perempuan di kelas X MAS Tahfizhil Qur'an Medan dalam mengerjakan soal HOTS. Subjek dalam penelitian ini adalah seluruh siswa/i kelas X-MIPA MAS Tahfizhil Qur'an Medan. Pemilihan subjek dalam penelitian ini berdasarkan teknik *purposive sampling*. Instrumen dalam penelitian ini menggunakan tes HOTS, wawancara, dan dokumentasi. dari hasil penelitian diperoleh data yaitu, (1) *Higher Order Thinking Skills* siswa kelas X-MIPA di MAS Tahfizhil Qur'an Medan diketahui bahwa HOTS siswa perempuan lebih tinggi dari siswa laki-laki. Nilai rata-rata *Higher Order Thinking Skills* siswa perempuan adalah 82,3 dan nilai rata-rata *Higher Order Thinking Skills* siswa laki-laki adalah 67,3. Persentase siswa laki-laki dalam indikator menganalisis adalah 76,9%, pada indikator mengevaluasi 67,3%, dan pada indikator mencipta/mengkreasikan 57,7%. Sedangkan pada siswa perempuan persentase dalam indikator menganalisis adalah 85,9%, dalam indikator mengevaluasi 85,9%, dan pada indikator mencipta/mengkreasikan 75%. *Higher Order Thinking Skills* siswa laki-laki kategori tinggi sebesar 23,08%, siswa laki-laki dikategori sedang 61,54%, dan siswa laki-laki dikategori rendah sebesar 15,38%. Sementara *Higher Order Thinking Skills* siswa perempuan kategori tinggi sebesar 31,25%, siswa perempuan kategori sedang sebesar 56,25%, dan siswa perempuan kategori rendah sebesar 12,50%. (2) Kesulitan-kesulitan yang dihadapi siswa laki-laki kelas X-MIPA MAS Tahfizhil Qur'an Medan dalam mengerjakan soal HOTS : kesulitan memodelkan permasalahan ke dalam model matematika, kesulitan memahami konsep variabel, tidak teliti dalam mengerjakan soal, tidak mampu melakukan perhitungan dengan tepat dan lengkap, kesulitan memahami informasi dalam soal, kurang mampu memberikan pendapat, tidak mampu memberikan pendapat, tidak mampu merencanakan metode penyelesaian dari sebuah masalah yang sesuai kriteria, tidak mampu menciptakan ide yang memenuhi kriteria, tidak mampu menghubungkan konsep matematika dengan penerapan di kehidupan sehari-hari. Sedangkan siswa perempuan kelas X-MIPA MAS Tahfizhil Qur'an Medan dalam mengerjakan soal HOTS mengalami kesulitan berupa : tidak teliti dalam mengerjakan soal, tidak mampu melakukan perhitungan dengan tepat dan lengkap, kesulitan memahami informasi dalam soal, kesulitan dalam menuliskan kesimpulan, kurang mampu memberikan pendapat, dan kurang mampu menciptakan ide yang memenuhi kriteria.

Kata Kunci : Analisis, *Higher Order Thinking Skills*, Gender.

ABSTRACT

Fadilla Camellia, NIM 4173311043 (2022). Analysis of Higher Order Thinking Skills (HOTS) of Class X Students on Three-Variable System of Linear Equation Reviewed Based on Gender Differences in MAS Tahfizhil Qur'an Medan.

This study aimed to (1) find out the higher-order thinking skills of male and female students in class X MAS Tahfizhil Qur'an Medan; and (2) know the difficulties experienced by male and female students in class X MAS Tahfizhil Qur'an Medan in doing HOTS questions. The subjects in this study were all students of class X-MIPA MAS Tahfizhil Qur'an Medan. The selection of subjects in this study was based on purposive sampling techniques. The instruments in this study were HOTS tests, interviews, and documentation. From the results of the study obtained by the data, it can be concluded that: (1) the higher order thinking skills of female students are higher than those of male students. The average score of the female students' higher-order thinking skills was 82.3 and the average score of the male students' higher-order thinking skills was 67.3. The percentage of male students on the indicator of analyzing is 76.9%, on the indicator of assessing 67.3%, and on the indicator of creating 57.7%. While the percentage of female students in the analysis indicator is 85.9%, the indicator assesses 85.9%, and the indicator creates 75%. Higher order thinking skills of male students who are in the high category of 23.08%, male students who are in the medium category of 61.54%, and male students who are in the low category of 15.38%. Meanwhile, the high-order thinking ability of female students in the high category was 31.25%, female students in the medium category were 56.25%, and female students in the low category were 12.50%. (2) The difficulties faced by male students of class X-MIPA MAS Tahfizhil Qur'an Medan in solving HOTS questions are: difficulties in modeling the problem into a mathematical model; difficulty understanding the concept of variables; not being careful in answering questions; being unable to do calculations accurately and completely; difficulty understanding the information in the problem; being unable to give an opinion; being unable to give an opinion; being unable to plan problem-solving methods that meet the criteria; being unable to create ideas that meet the criteria; being unable to relate mathematical concepts to contextual problems. Female students also have difficulty in solving HOTS questions. Difficulties experienced by female students include: not being careful in solving questions; being unable to do calculations accurately and completely; difficulty understanding information in questions; difficulty in writing conclusions; being less able to give opinions; and less able to create ideas that meet the criteria.

Keyword: Analysis, Higher Order Thinking Skills, Gender.