ANALISIS KEMAMPUAN MATEMATIKA SISWA KELAS IX DALAM MENYELESAIKAN SOAL HOTS BERDASARKAN TAKSONOMI SOLO

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ABSTRAK

Analisis kemampuan matematika siswa dalam menyelesaikan soal HOTS perlu dilakukan untuk mengetahui seberapa kemampuan siswa dalam menjawab soal HOTS. Jenis penelitian ini adalah penelitian deskriptif kualitatif. Subjek dari penelitian ini adalah siswa kelas IX.8 SMP Negeri 6 Singaraja tahun ajaran 2021/2022. Data dikumpulkan dengan metode observasi, wawancara mendalam dan tes. Instrumen penelitian berupa tes kemampuan matematika siswa dalam menyelesaikan soal HOTS dan pedoman wawancara yang telah diuji terlebih dahulu validitas dan reabilitasnya. Analisis data dalam penelitian ini meliputi reduksi data, penyajian data, tringulasi data dan penarikan kesimpulan. Hasil penelitian menujukkan bahwa kemampuan siswa pada tingkat pra-struktural (*prestructural level)* sebesar 19,36 % dari 31 siswa, siswa belum mampu memahami, merencenakan dan menyelesaian soal. Kemampuan pada tingkat uni-struktural (*uni-structural level)* sebesar 51,61 %, siswa dapat memahami namun belum mampu merencanakan. Kemampuan pada tingkat multi-struktural (*multi-structural level)* sebesar 6,45 %, siswa dapat memahami, dan merencanakan, namun belum mampu menyelesaikan soal. Kemampuan pada tingkat relasional (*relational level)* sebesar 22,58 %, siswa dapat memahami soal, merencanakan serta menyelesaikan soal, Kemampuan pada tingkat (*extended abstract*) belum mencapai persentase, tetapi terdapat 2 orang siswa yang berhasil menyelesaikan soal tipe *extended abstract.*

Kata Kunci: Analisis Kemampuan, soal HOTS, Taksonomi SOLO

Abstract

Analysis of students' mathematical abilities in solving HOTS questions needs to be done to find out how much students are able to answer HOTS questions. The purpose of this study was to analyze students' mathematical abilities in solving HOTS questions based on the SOLO Taxonomy. This type of research is descriptive qualitative research. The subjects of this study were students of class IX.8 SMP Negeri 6 Singaraja in the academic year 2021/2022. Data were collected by observation, in-depth interviews and tests. The research instrument was a test of students' mathematical abilities in solving HOTS questions and interview guidelines that had been tested for validity and reliability. Data analysis in this study includes data reduction, data presentation, data triangulation and conclusion drawing. The results of the study showed that the ability of students at the pre-structural level (prestructural level) was 19.36% of 31 students, students were not able to understand, plan and solve problems. The ability at the uni-structural level (uni-structural level) is 51.61%, students can understand but have not been able to plan. The ability at the multi-structural level (multi-structural level) is 6.45%, students can understand, and plan, but have not been able to solve problems. The ability at the relational level is 22.58%, students can understand the problem, plan and solve the problem, the ability at the extended abstract level has not reached the percentage, but there are 2 students who have successfully completed the extended abstract type question.

Keywords: Ability Analysis, HOTS questions, SOLO Taxonomy