

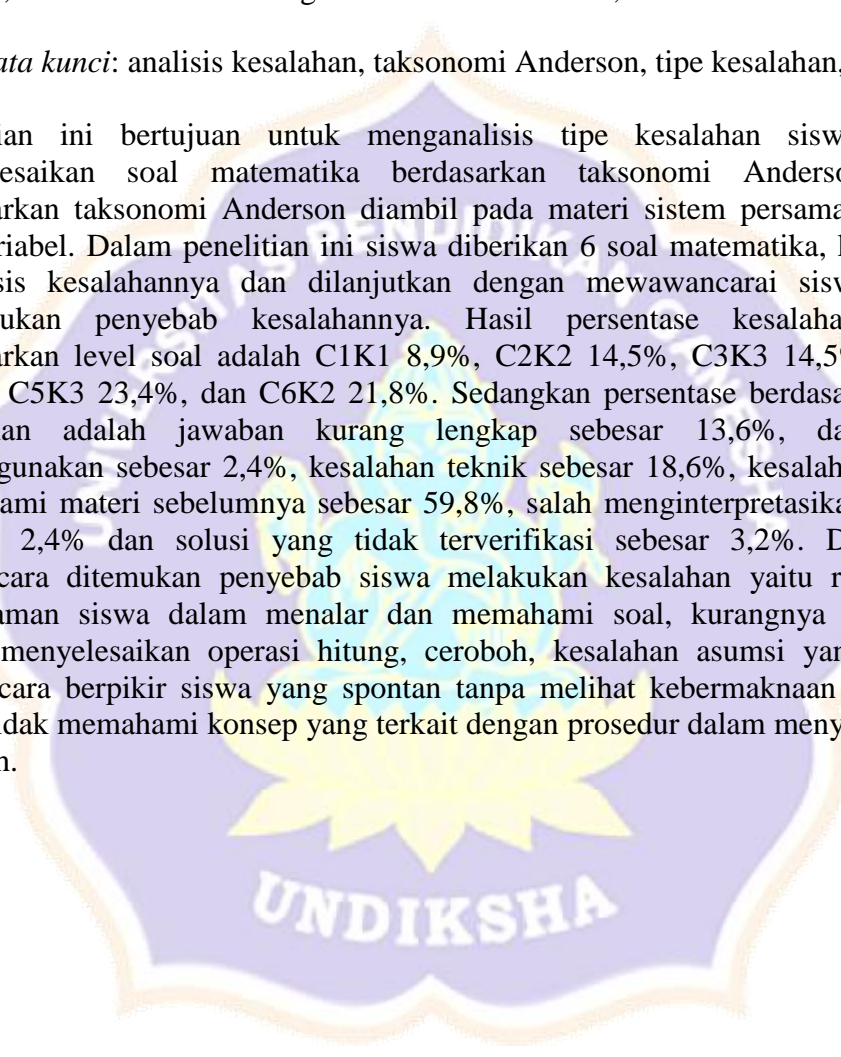
ABSTRAK

Tri Purnamayanthi, Komang (2021), *Analisis Tipe Kesalahan Siswa dalam Menyelesaikan Soal Matematika berdasarkan Taksonomi Anderson pada Kelas X SMAK Santo Yoseph Denpasar*. Tesis, Pendidikan Matematika, Program Pascasarjana, Universitas Pendidikan Ganesha.

Tesis ini sudah disetujui dan diperiksa oleh Pembimbing I : Prof. Dr. I Nengah Suparta, M.Si. dan Pembimbing II : Dr. Gede Suweken, M.Sc.

Kata-kata kunci: analisis kesalahan, taksonomi Anderson, tipe kesalahan,

Penelitian ini bertujuan untuk menganalisis tipe kesalahan siswa dalam menyelesaikan soal matematika berdasarkan taksonomi Anderson. Soal berdasarkan taksonomi Anderson diambil pada materi sistem persamaan linear tiga variabel. Dalam penelitian ini siswa diberikan 6 soal matematika, kemudian dianalisis kesalahannya dan dilanjutkan dengan mewawancarai siswa untuk menemukan penyebab kesalahannya. Hasil persentase kesalahan siswa berdasarkan level soal adalah C1K1 8,9%, C2K2 14,5%, C3K3 14,5%, C4K3 16,9%, C5K3 23,4%, dan C6K2 21,8%. Sedangkan persentase berdasarkan tipe kesalahan adalah jawaban kurang lengkap sebesar 13,6%, data yang disalahgunakan sebesar 2,4%, kesalahan teknik sebesar 18,6%, kesalahan dalam memahami materi sebelumnya sebesar 59,8%, salah menginterpretasikan bahasa sebesar 2,4% dan solusi yang tidak terverifikasi sebesar 3,2%. Dari hasil wawancara ditemukan penyebab siswa melakukan kesalahan yaitu rendahnya pemahaman siswa dalam menalar dan memahami soal, kurangnya ketelitian dalam menyelesaikan operasi hitung, ceroboh, kesalahan asumsi yang terjadi akibat cara berpikir siswa yang spontan tanpa melihat kebermaknaan masalah, siswa tidak memahami konsep yang terkait dengan prosedur dalam menyelesaikan masalah.



ABSTRACT

Tri Purnamayanthi, Komang (2021), *Analysis of The Types of Student Error in Solving Mathematics Problems Based on The Anderson's Taxonomy in The X Grade, Santo Yoseph Senior High School Denpasar*. Thesis, Mathematics Education, Post Graduate Study Program, Ganesha University of Education.

This thesis has been supervised and approved by Supervisor I : Prof. Dr. I Nengah Suparta, M.Si. and Supervisor II : Dr. Gede Suweken, M.Sc.

Key words: errors analysis, errors type, Anderson's Taxonomy,

This study aimed to analyze the types of student error in solving math problems based on the Anderson's taxonomy. The problem based on Anderson's taxonomy is taken on three-variable system of linear equations. In this study, students were given 6 math questions, then analyzed their errors and continued by interviewing students to find the cause of their errors. The results of the percentage of student errors based on the question level were C1K1 8.9%, C2K2 14.5%, C3K3 14.5%, C4K3 16.9%, C5K3 23.4%, and C6K2 21.8%. While the percentage based on the type of error are incomplete answers of 13.6%, 2.4% misused data, 18.6% technical errors, 59.8% errors in understanding the previous material, misinterpreting language by 2.4 % and 3.2% unverified solutions. From the results of the interview, it was found that the causes of students made errors are low of reasoning and understanding the questions, lack of accuracy in completing arithmetic operations, being careless, errors in assuming that occurred due to students' spontaneous thinking without examining the meaning of the problem, students did not understand the concept that was related to procedures in solving problems, and less attention to the results of the answers made.

