

Mustabsirah.2021. *Analisis Kemampuan Pemecahan Masalah Siswa dalam Menyelesaikan Soal Berbasis Open Ended*. Skripsi, Program Studi Pendidikan IPA, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing : Mochammad Ahied.

ABSTRAK

Penelitian ini bertujuan untuk mengetahui persentase kemampuan pemecahan masalah dan tingkat kemampuan pemecahan masalah siswa dalam menyelesaikan soal berbasis *open ended* . Penelitian ini menggunakan metode gabungan (kuantitatif dan kualitatif)dengan sifat *dominant-less dominant design*. Populasi penelitian yaitu semua kelas VIII Tahun ajaran 2020/2021.Teknik pengambilan sampel menggunakan nonprobability sampling jenis purposive sampling.Sampel penelitian sebanyak 16 siswa. Pengumpulan data menggunakan tes kemampuan pemecahan masalah siswa dengan soal berbasis *open ended* dan teknik wawancara.Berdasarkan Hasil penelitian menunjukkan bahwa : 1) persentase kemampuan pemecahan masalah siswa pada tahapan memahami masalah sebesar 73,44%, merencanakan penyelesaian sebesar 51,56%, melaksanakan rencana sebesar 35,42%, dan tahapan memeriksa kembali sebesar 28,12%. (2) Tingkat kemampuan pemecahan masalah siswa pada kelompok tinggi mampu memenuhi semua tahapan kemampuan pemecahan masalah meliputi memahami masalah, merencanakan penyelesaian, melaksanakan rencana dan memeriksa kembali, kategori kelompok sedang memenuhi dua tahapan yaitu memahami masalah dan merencanakan penyelesaian dan kategori kelompok rendah hanya memenuhi satu tahapan kemampuan pemecahan masalah yaitu memahami masalah.

Kata kunci : Kemampuan pemecahan masalah,pembelajaran IPA, soal *open ended*.

Mustabsirah. 2021. *Analysis of Students' Problem-Solving Ability in Solving Open Ended-Based Problems*. Thesis, Science Education Study Program, Faculty of Education, Trunojoyo University Madura. Advisor : Mochammad Ahied.

ABSTRACT

This study aimed to determine the percentage of problem solving abilities and the level of students' problem solving abilities in solving open ended questions. This study used a combined method (quantitative and qualitative) with a dominant-less dominant design. The study population is all VIII-grade students of the 2020/2021 school year. The sampling technique used non-probability sampling with purposive sampling type. The research sample was 16 students. The data collection used a test of students' problem-solving skills with open-ended questions and interview techniques. Based on the results of the study showed that :1)the percentage of students' problem-solving abilities at the stage of understanding the problem by 73.44%, planning a solution by 51.56%, carrying out the plan by 35.42%, and the stage of re-examining by 28.12%, (2) The level of problem solving ability of students in the high group is able to meet all stages of problem solving abilities including understanding the problem, planning a solution, implementing the plan and checking again, the medium group category meets two stages, namely understanding the problem and planning the completion and the low group category only fulfill one stage of problem solving ability, namely understanding the problem.

Keywords: problem solving ability, science learning, open ended questions.