

Dian Ratna Khairunnisa'. 2023. *Identifikasi Keterampilan Proses Sains Siswa pada Materi Getaran Gelombang dan Bunyi*. Skripsi, Program Studi Pendidikan IPA, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing: Nur Qomaria

ABSTRAK

Penelitian ini bertujuan untuk mengetahui keterampilan proses sains siswa pada materi getaran, gelombang, dan bunyi. Penelitian ini merupakan penelitian deskriptif kuantitatif. Penelitian ini dilakukan di UPTD SMP Negeri 3 Bangkalan pada semester ganjil tahun ajaran 2023/2024. Teknik pengambilan sampel yaitu dengan menggunakan *random sampling* dengan sampel kelas IX C dengan jumlah 28 siswa. Instrumen yang digunakan adalah tes keterampilan proses sains dan rubrik penilaian. Teknik analisis data menggunakan analisis data kuantitatif yang didapat dari hasil persentase perhitungan skor. Berdasarkan hasil penelitian persentase rata-rata kelas IX C sebesar 30,26% dengan kategori kurang. Persentase siswa dengan kriteria keterampilan proses sains baik sebesar 11% dengan jumlah 3 siswa, kriteria keterampilan proses sains cukup sebesar 11% dengan jumlah 3 siswa, kriteria keterampilan proses sains siswa kurang sebesar 53% dengan jumlah 15 siswa, dan kriteria keterampilan proses sains siswa sangat kurang sebesar 25% dengan jumlah 7 siswa. Keterampilan proses sains siswa terbagi menjadi 7 keterampilan proses sains dasar dengan persentase semua kategori kurang meliputi indikator mengamati sebesar 39,29%, indikator memprediksi sebesar 36,91%, indikator menginterpretasikan data sebesar 33,33%, indikator menggunakan alat sebesar 35,71%, indikator melakukan pekerjaan sebesar 26,19%, indikator menyimpulkan sebesar 24,60%, serta indikator mengkomunikasikan sebesar 27,38%.

Kata kunci: identifikasi, getaran gelombang dan bunyi, keterampilan proses sains,

Dian Ratna Khairunnisa'. 2023. Identification of Students' Science Process Skills on Vibration Waves and Sound Material. Thesis, Science Education Study Program, Faculty of Education, University of Trunojoyo Madura. Advisor: Nur Qomaria, S.Pd., M.Pd.

ABSTRACT

This study aims to determine students' science process skills in vibration, wave, and sound material. This research is quantitative descriptive. This research was conducted at UPTD SMP Negeri 3 Bangkalan in the odd semester of the 2023/2024 academic year. The sampling technique is by using random sampling with a sample of class IX C with a total of 28 students. The instruments used are science process skills tests and assessment rubrics. The data analysis technique uses quantitative data analysis which is obtained from the results of the percentage calculation of the score. Based on the research results, the average percentage for class IX C is 30.26% in the less category. The percentage of students with good science process skills criteria is 11% with a total of 3 students, sufficient science process skills criteria is 11% with a total of 3 students, students' science process skills criteria are lacking by 53% with a total of 15 students, and students' science process skills criteria are very less by 25% with a total of 7 students. Students' science process skills are divided into 7 basic science process skills with the percentage of less categories covering indicators of observing 39.29%, indicators predicting 36.91%, indicators interpreting data 33.33%, indicators using tools 35.71%, indicators of doing work at 26.19%, indicators of concluding at 24.60%, and indicators of communicating at 27.38%.

Keywords: *identification, science process skills, vibration waves and sound*