

Santiawati. 2020. *Analisis Keterampilan Proses Sains Siswa SMP Negeri 2 Burneh Pada Materi Getaran, Gelombang, dan Bunyi*. Skripsi, Program Studi Pendidikan IPA, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing: Yunin Hidayati dan Wiwin Puspita Hadi

ABSTRAK

Pembelajaran IPA menekankan pada keterampilan proses, dikarenakan IPA melibatkan siswa secara langsung melalui pengalaman belajar yang memuat keterampilan proses sains. Untuk itu keterampilan proses sains sangat dibutuhkan oleh siswa karena didalamnya memuat tentang pengetahuan dan proses dalam kehidupan nyata. Penelitian ini menganalisis keterampilan proses sains siswa SMP Negeri 2 Burneh pada materi getaran, gelombang, dan bunyi.

Penelitian ini bertujuan untuk: 1) mendeskripsikan persentase keterampilan proses sains siswa 2) mendeskripsikan tingkat keterampilan proses sains siswa dan 3) mendeskripsikan kendala terhadap hasil tes keterampilan proses sains siswa. Penelitian ini menggunakan metode campuran (*mixed methods*). Responden yang digunakan dalam penelitian ini sebanyak 20 siswa. Instrumen yang digunakan adalah tes *essay* sebanyak 8 soal dan pedoman wawancara.

Hasil penelitian ini menunjukkan keterampilan proses sains siswa SMP Negeri 2 Burneh pada materi getaran, gelombang, dan bunyi termasuk dalam kategori kurang baik dengan nilai rata-rata sebesar 39,7%. Berdasarkan empat indikator yang dianalisis, indikator mengkomunikasikan memiliki persentase tertinggi yaitu 43,75% dan indikator memprediksi memiliki persentase paling rendah yaitu 34,5%. Adapun siswa yang memiliki keterampilan proses sains dengan kategori tinggi yaitu sebanyak 15%, kategori sedang 45%, dan kategori tinggi 40%. Kendala siswa terhadap hasil tes keterampilan proses sains siswa adalah siswa kurang memahami konsep materi, sulit mengerjakan soal, dan kurang teliti.

Kata kunci: pembelajaran IPA, keterampilan proses sains, getaran, gelombang, dan bunyi

Santiawati. 2020. *Analysis of Burneh 2 Junior High School Students' Science Process Skills on Material of Vibration, Waves, and Sound*. Thesis, Science Education, Education Faculty, Trunojoyo Madura University. Advisor: Yunin Hidayati and Wiwin Puspita Hadi

ABSTRACT

Science learning emphasizes process skills, because science involves students directly through learning experiences that contain science process skills. For that science process skills are needed by students because in them contain knowledge and process in real life. This study analyzes the science process skills of Burneh 2 junior high school students on material of vibration, wave, and sound.

This study aims to: 1) describe the percentage of students' science process skills 2) describe the level of students' science process skills 3) describe the constraints on test result students' science process skills. This research uses mixed methods. Respondents involved in this research were 20 students. The instrument used is an essay test based on 8 questions and interview guidelines.

The results of this study show the science process skills of Burneh 2 junior high school students on the material of vibrations, waves, and sounds in the bad category with an average value of 39,7%. Based on 4 indicators that were analyzed, communication indicator had the highest percentage of 43,75% and prediction indicator had the lowest percentage 34,5%. Students who have science process skills with high categories are 15%, medium categories are 45%, and low categories are 40%. The constraints on test result students' science process skills are students lacking understanding of material concepts, difficulty working on problems, and lacking in accuracy.

Keyword: science learning, skills of science process, the vibration, wave, and sound