

Siti Maryam. 2020. *Analisis Tingkat Pemahaman Konsep Getaran, Gelombang, dan Bunyi Pada Siswa SMPN 1 Arosbaya*. Skripsi, Program Studi Pendidikan IPA, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing1: Mochammad Ahied dan Pembimbing 2: Aida Fikriyah.

ABSTRAK

Penelitian ini bertujuan untuk mendeskripsikan tingkat pemahaman konsep siswa pada materi getaran, gelombang, dan bunyi serta faktor yang mempengaruhi. Penelitian ini merupakan penelitian *mix method* dengan menggunakan metode *explanatory sequential mixed methods research design* yang bersifat *dominant-lest dominant*. Populasi dari penelitian ini adalah seluruh siswa SMPN 1 Arosbaya Tahun Ajaran 2019/2020. Teknik pengambilan sampel menggunakan teknik *purposive sampling* sehingga diperoleh sampel sebanyak 1 kelas. Teknik pengumpulan data menggunakan instrumen berupa tes pemahaman konsep, angket, dan wawancara. Hasil tes dianalisis menggunakan rumus persentase pemahaman konsep siswa kemudian dikategorikan berdasarkan tingkatan pemahaman konsep siswa. Berdasarkan hasil penelitian dapat disimpulkan bahwa (1) Rata-rata skor pemahaman konsep siswa kelas VIII SMPN 1 Arosbaya berada pada kategori tinggi (77,45%), (2) Tingkat pemahaman konsep siswa dipengaruhi oleh faktor internal dan faktor eksternal.

Kata kunci: getaran gelombang dan bunyi, pemahaman konsep, siswa SMP

Siti Maryam. 2020. *Analysis of The Level of Concept Comprehension on The topic of Vibration, Waves, and Sounds in Students of SMPN 1 Arosbaya*. Thesis, Science Education Study Program, Faculty of Education, University of Trunojoyo Madura. 1st Advisor: Mochammad Ahied and 2nd Advisor : Aida Fikriyah.

ABSTRACT

This study aims to describe the level of understanding of students' concepts in the material vibrations, waves, and sounds and influencing factors. This research is a mixed method research using explanatory sequential mixed methods research design that is dominant-lest dominant. The population of this study were all students of Arosbaya 1 Junior High School in Academic Year 2019/2020. The sampling technique used purposive sampling technique to obtain 1 class of sample. Data collection techniques used a peeling instrument of concept understanding tests, questionnaires, and interviews. Test results were analyzed using students' understanding concepts percentage formula and then categorized based on the level of understanding of students' concepts. Based on the results of the study, it can be concluded that (1) The average score of concept understanding of VIII grade students at SMPN 1 Arosbaya is in the high category (77,45%), (2) The level of understanding of students' concepts is influenced by internal and external factors.

Keywords: concept understanding, junior high school student, vibrations waves and sounds