

Nur Hayati. 2022. *Analisis Pemahaman Konsep Siswa SMP Kelas VIII Pada Materi Getaran Gelombang Dan Bunyi*. Skripsi, Program Studi Pendidikan IPA, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura, Pembimbing: Nur Qomaria, S.Pd., M.Pd.

ABSTRAK

Penelitian ini dilakukan untuk mengetahui tingkat pemahaman konsep siswa SMP kelas VIII pada materi getaran gelombang dan bunyi. Penelitian ini menggunakan metode penelitian deskriptif dengan pendekatan kuantitatif. Penelitian ini dilaksanakan pada siswa SMP kelas VIII Tahun Ajaran 2021/2022. Teknik pengambilan data menggunakan *nonprobability sampling* dengan menggunakan teknik *single random sampling*. Pengumpulan data penelitian ini menggunakan tes *two tier multiple choice* dilakukan melalui google form. Hasil penelitian menunjukkan rata - rata persentase pemahaman konsep siswa SMP kelas VIII berada pada kategori sedang yaitu 26,25%. Persentase pemahaman konsep siswa tingkat tinggi sebanyak 15%, persentase pemahaman konsep siswa tingkat sedang sebanyak 75%, dan persentase pemahaman konsep siswa tingkat rendah sebanyak 10%.

Kata Kunci : Getaran Gelombang dan Bunyi, Pemahaman konsep, Tes *Two Tier Multiple Choice*.

Nur Hayati. 2022. Analysis of Conceptual Understanding of Class VIII Junior High School Students one Vibration Waves and Sounds Material. Thesis, Science Education Study Program, Faculty of Education, Trunojoyo Madura University, Advisor: Nur Qomaria, S.Pd., M.Pd.

ABSTRACT

This study was conducted to determine the level of understanding of the concepts of SMP class VIII students on the material of wave and sound vibrations. This study uses a descriptive research method with a quantitative approach. This research was conducted on VIII grade junior high school students in the 2021/2022 academic year. The data collection technique used non-probability sampling using a single random sampling technique. The data collection of this research used a two tier multiple choice test conducted through google form. The results showed that the average percentage of students' understanding of concepts in SMP class VIII was in the medium category, which was 26.25%. The percentage of high-level students' conceptual understanding is 15%, the percentage of medium-level students' conceptual understanding is 75%, and the percentage of low-level students' conceptual understanding is 10%.

Keywords: Sound Wave and Vibration, Conceptual understanding, Two Tier Multiple Choice Test.