

Siti Anisah. 2020. *Analisis Pemahaman Konsep Siswa melalui Two Tier Multiple Choice Test Pada Materi Getaran, Gelombang dan Bunyi*. Skripsi, Program Studi Pendidikan IPA, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing 1: Laila Khamsatul Muharrami. Pembimbing 2: Nur Qomaria.

ABSTRAK

Tujuan penelitian ini adalah untuk mengetahui tingkat pemahaman konsep dan faktor yang mempengaruhi pemahaman konsep siswa SMP di Desa Kedungdowo, Kecamatan Balen, Kabupaten Bojonegoro pada materi getaran gelombang dan bunyi. Penelitian ini menggunakan metode gabungan (kuantitatif dan kualitatif) dengan model *dominant - less dominant design*. Populasi penelitian yaitu semua siswa kelas VIII Tahun Ajaran 2019/2020. Pengambilan sampel menggunakan teknik *nonprobability sampling* jenis *purposive sampling*. Sampel penelitian sebanyak 20 siswa. Data dikumpulkan dengan menggunakan soal *two tier multiple choice test* dan wawancara. Hasil penelitian menunjukkan bahwa: 1) pemahaman konsep siswa masih kurang maksimal dikarenakan persentase tingkat pemahaman konsep siswa pada kategori tinggi hanya 10%, kategori sedang 70% dan kategori rendah 20% 2) Faktor yang mempengaruhi pemahaman konsep siswa berdasarkan hasil wawancara yaitu minat belajar, metode pembelajaran, intuisi yang salah dan kemampuan siswa.

Kata kunci: getaran, gelombang dan bunyi, pemahaman konsep siswa, *two tier multiple choice test*.

Siti Anisah. 2020. *Analysis of students' Conceptual Understanding through Two Tier Multiple Choice Test On Vibration, Waves and Sound Material*. Thesis, Natural Science Education, Education Faculty, University of Trunojoyo Madura. 1st Advisor: Laila Khamsatul Muharrami. 2nd Advisor: Nur Qomaria.

ABSTRACT

The purpose of this research is to know the level of conceptual understanding and the factors that affect conceptual understanding of junior high school students in Kedung dowo Village, Balen district, Bojonegoro Regency on vibration waves and sound material. The research used mixed methods (quantitative and qualitative) with the dominant - less dominant design model. The population was all eight – grade students in the academic year of 2019/2020. The sampling technique used in this research was nonprobability sampling with the type of purposive sampling. The research sample consists of twenty students. Data were collected by using two tier multiple choice test and interview. The result of the research indicated that: 1) Students' concept understanding was still not optimal due to the percentage of students' conceptual understanding in the high category only 10%, the medium category was 70% and the low category was 20%. 2) The factors that affected students' concept understanding based on interview were interest in learning, learning methods, wrong intuition and student ability.

Keywords: *students' conceptual understanding, two tier multiple choice test, waves vibration and sound.*