

Muhammad Hafid Sirajudin. 2022. Analisis Miskonsepsi Siswa pada Materi Sistem Pencernaan Menggunakan Instrumen *Four Tier Test*. Skripsi. Program Studi Pendidikan IPA, Fakultas Ilmu Pendidikan, Universitas Trunjoyo Madura. Pembimbing: Wiwin Puspita Hadi

ABSTRAK

Penelitian ini bertujuan untuk menganalisis tingkat miskonsepsi yang terjadi pada siswa dan faktor yang menyebabkan terjadinya miskonsepsi siswa pada konsep sistem pencernaan. Penelitian ini menggunakan jenis penelitian *mix method* dan dilakukan di MTs Walisongo Sugihwaras dengan populasi seluruh siswa kelas VIII. Pengambilan sampel dilakukan dengan teknik *purposive sampling* yang melibatkan 35 siswa dari kelas VIII A. Pengumpulan data kuantitatif dengan menggunakan instrumen *four tier test* dan data kualitatif menggunakan instrumen wawancara. Teknik analisis data: (1) data kuantitatif dengan persentase, (2) data kualitatif dengan Miles and Huberman. Hasil penelitian menunjukkan 14% siswa paham konsep, 45% siswa mengalami miskonsepsi, 12% kesalahan (*error*), dan 29% siswa tidak paham konsep. Miskonsepsi terjadi karena (1) minat belajar siswa rendah, (2) kemampuan kognitif siswa rendah, (3), sumber belajar terbatas, (4) media pembelajaran kurang mendukung, (5) proses pembelajaran tidak kondusif.

Kata Kunci: Miskonsepsi, sistem pencernaan, *four tier test*

Muhammad Hafid Sirajudin. 2022. Analysis of Students' Misconceptions on Digestive System Material Using Four Tier Test Instruments. Thesis. Science Education Study Program, Faculty of Education, Trunjoyo University, Madura. Advisor: Wiwin Puspita Hadi

ABSTRAK

This research aims to analyze the level of misconceptions that occur in students and the factors that cause students' misconceptions about the concept of the digestive system. This research uses mixed methods research and was conducted at MTs Walisongo Sugihwaras with a population of all class VIII. Sampling was carried out by purposive sampling technique involving 35 students from class VIII A. Quantitative data was collected using a four-tier test instrument and qualitative data using an interview instrument. Data analysis techniques: (1) quantitative data with proportions, (2) qualitative data with Miles and Huberman. The results showed that 14% of students understood the concept, 45% of students had misconceptions, 12% were errors, and 29% of students did not understand the concept. Misunderstandings occur because (1) students' interest in learning is low, (2) students' cognitive abilities are low, (3) learning resources are limited, (4) learning media is not supportive, (5) the learning process is not conducive.

Keywords: *Misconception, digestive system, four tier test*