

Siti Munajah. 2021. Analisis pemahaman konsep pada materi suhu dan kalor ditinjau dari *self-confidence* siswa. Skripsi, Program Studi Pendidikan IPA, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing: Fatimatul Munawaroh.

ABSTRAK

Penelitian ini bertujuan untuk mengetahui kemampuan pemahaman konsep siswa pada materi suhu dan kalor ditinjau dari *self confidence*. Penelitian ini merupakan dengan jenis *mix method* yang merupakan gabungan antara penelitian kuantitatif dan kualitatif. Penelitian ini menggunakan metode *explanatory sequential* bersifat *dominant-less dominant*. Penelitian dilaksanakan di SMPN 22 Gresik dengan populasi semua siswa kelas VII tahun ajaran 2020/2021. Teknik pengambilan sampel menggunakan *purposive sampling*. Sampel penelitian sebanyak 1 kelas berjumlah 20 siswa. Pengumpulan data menggunakan instrument tes pilihan ganda alaasan terbuka untuk mengetahui pemahaman konsep siswa, instrument angket jenis skala likert untuk mengetahui *self confidence* dan instrument wawancara untuk mendukung informasi data. Teknik analisis data kuantitatif menggunakan rumus persentase sedangkan data kualitatif menggunakan Miles dan Huberman. Berdasarkan hasil penelitian menunjukkan (1) kemampuan pemahaman konsep siswa memiliki persentase rata-rata sebesar 49% dengan kategori sedang, (2) *self connfidence* siswa memiliki rata-rata sebesar 72% dengan kategori sedang, (3) kemampuan pemahaman konsep siswa ditinjau dari kategori *self confidence* menghasilkan, kelompok siswa yang mempunyai *self confidence* tinggi persentase kemampuan pemahaman konsep sebesar 70% dengan kategori kemampuan tinggi, kelompok siswa yang mempunyai *self confidence* sedang persentase kemamapuan pemahaman konsep sebesar 51% dengan kategori kemampuan sedang, kelompok *self confidence* rendah persentase kemampuan pemahaman konsep sebesar 36% dengan kategori kemampuan rendah. Maka semakin tinggi *self confidence* kemampuan pemahaman konsep semakin tinggi.

Kata Kunci: Kemampuan pemahaman konsep, *self confidence*, suhu dan kalor.

Siti Munajah. 2021. *Analysis of concept understanding on temperature and heat material in terms of students' self-confidence*. Thesis, Science Education Study Program, Faculty of Education, Trunojoyo University Madura. Supervisor: Fatimatul Munawaroh.

ABSTRACT

This study aims to determine the ability of students to understand the concept of temperature and heat in terms of self-confidence. This research is a mixed method type which is a combination of quantitative and qualitative research. This study uses a sequential explanatory method that is dominant-less dominant. The research was carried out at SMPN 22 Gresik with a population of all seventh grade students for the 2020/2021 academic year. The sampling technique used was purposive sampling. The research sample was 1 class which was opened by 20 students. Data collection used multiple choice test instruments to determine students' conceptual understanding, Likert scale type instruments to determine self-confidence and interview instruments to support information data. The quantitative data analysis technique uses the percentage formula while the qualitative data uses Miles and Huberman. Based on the results of the study, (1) the students' conceptual understanding ability has an average percentage of 49% in the medium category, (2) students' self-confidence has an average of 72% with the category, (3) the concept understanding ability in terms of the self-confidence category. The results showed that the group of students who had high confidence with the percentage of concept understanding ability was 70% in the high ability category, the group of students who had moderate confidence in the percentage of concept understanding ability was 51% in the medium ability category, the low self-confidence group the percentage of concept understanding ability was 51%. 36% with low ability category. So the higher the ability to understand the concept, the higher.

Key words: Concept understanding, self confidence, temperature and heat.