

Siti Mariatul Chori'ah. 2023. Analisis Kemampuan Multirepresentasi Siswa Berdasarkan Gaya Belajar VAK Materi Suhu dan Kalor. Skripsi, Program Studi Pendidikan IPA, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing: Wiwin Puspita Hadi, S. Si., M. Pd.

ABSTRAK

Kemampuan multirepresentasi merupakan kemampuan yang penting dimiliki oleh siswa. Siswa yang kurang memiliki pemahaman pada berbagai jenis representasi, akan mengalami kesulitan dalam memahami konsep yang diberikan. Penelitian ini bertujuan untuk mengetahui jenis gaya belajar VAK siswa dan mengetahui kemampuan multirepresentasi siswa ditinjau dari gaya belajar VAK pada materi suhu dan kalor. Jenis penelitian ini merupakan penelitian *mix methode* dengan desain penelitian *sequential explanatory design*. Penelitian ini dilakukan di MTs Negeri Bangkalan, dengan teknik pengambilan sampel *purposive sampling*. Sampel yang digunakan yaitu kelas VII A dan VII B yang berjumlah 45 siswa. Teknik pengumpulan data dilakukan dengan memberikan instrumen angket gaya belajar VAK, tes kemampuan multirepresentasi, dan pedoman wawancara. Berdasarkan hasil penelitian dapat disimpulkan bahwa: (1) siswa yang memiliki gaya belajar *visual* sebanyak 18 siswa, gaya belajar *auditori* sebanyak 14 siswa, dan gaya belajar *kinestetik* sebanyak 13 siswa. (2) kemampuan multirepresentasi siswa berdasarkan gaya belajar VAK berada pada kategori sedang. (3) siswa *visual* dominan pada representasi verbal, siswa *kinestetik* dominan pada representasi simbolik, sedangkan pada representasi visual ketiga gaya belajar memiliki rata-rata yang tidak terlalu jauh. Kemampuan multirepresentasi siswa dipengaruhi oleh perbedaan gaya belajar siswa yang berkaitan dengan adanya perbedaan pemahaman konsep siswa.

Kata kunci: gaya belajar VAK, kemampuan multirepresentasi, suhu dan kalor

Siti Mariatul Chori'ah. 2023. Analysis of Students' Multirepresentational Ability Based on VAK Learning Style on Temperature and Heat Material. Thesis, Science Education Study Program, Faculty of Education, Trunojoyo Madura University. Advisor: Wiwin Puspita Hadi, S. Si., M. Pd.

ABSTRACT

Multi-representational ability is an important skill for students to have. Students who lack an understanding of various types of representation will have difficulty understanding the concepts given. This study aims to determine the types of students' VAK learning styles and determine students' multi-representational abilities in terms of VAK learning styles on temperature and heat material. This is a mixed-methods research with a sequential explanatory design. This research was conducted at MTs Negeri Bangkalan with a purposive sampling technique. The samples used were from classes VII A and VII B, totaling 45 students. Data collection techniques were carried out by providing VAK learning style questionnaire instruments, multi-representation ability tests, and interview guidelines. Based on the results of the study, it can be concluded that: (1) there are 18 students who have a visual learning style; 14 students have an auditory learning style; and 13 students have a kinesthetic learning style. (2) students' multi-representation abilities based on the VAK learning style are in the medium category. (3) visual students are dominant in verbal representation, kinesthetic students are dominant in symbolic representation, and in visual representation the three learning styles have an average that is not too far away. Students' multi-representational abilities are influenced by differences in student learning styles related to differences in students' understanding of concepts.

Keywords: multirepresentation ability, VAK learning style, temperature and heat

