

ABSTRAK

Nurmala Ibrahim. 2022. Analisis Kemampuan Multirepresentasi Siswa SMA Kelas X Terhadap Konsep Gaya Dengan Menggunakan *Representational Of Force Concept Inventory* (RFCI). **Sumarni Sahjat, S.Pd., M.Pd, Si dan Dewi Amiroh, S.Pd., M.Pd.**

Penelitian ini bertujuan untuk mengetahui 1) mengetahui tingkat pemahaman siswa SMA Negeri 1, SMA Negeri 4, dan SMA Negeri 5 kota Ternate kelas X IPA terhadap konsep gaya ditinjau dari jawaban soal RFCI. 2) mengetahui persentase siswa SMA Negeri 1, SMA Negeri 4, dan SMA Negeri 5 kota Ternate kelas X IPA yang mempunyai kemampuan pada representasi verbal, gambar, vektor, dan grafik.

Penelitian ini merupakan penelitian deskriptif dengan metode survei. Subjek penelitian ini adalah 90 siswa kelas X, masing-masing sekolah 30 siswa di SMA Negeri 1, SMA Negeri 4, dan SMA Negeri 5 kota Ternate. Pemahaman konsep gaya pada penelitian ini ditunjukkan oleh hasil tes siswa dengan menggunakan soal RFCI, sedangkan persentase siswa yang mempunyai kemampuan representasi verbal, gambar, vektor, dan grafik diperoleh dengan mengelompokkan kemampuan representasi setiap siswa kemudian dicari persentase secara keseluruhan.

Hasil penelitian menunjukkan bahwa tingkat pemahaman siswa di SMA Negeri 1 kota Ternate rata-rata kemampuan representasi 66,167, SMA Negeri 4 nilai rata-rata 64,19, dan SMA Negeri 5 adalah 65,42. Besar persentase siswa SMA Negeri 1 kota Ternate yaitu verbal = 68,3%, gambar 70,3%, vektor = 68% dan grafik = 47,5%. besar persentase siswa SMA Negeri 4 kota ternate yaitu verbal 68,9%, gambar = 66,11%, vektor = 60,6%, dan grafik = 39,16%. Sedangkan persentase kemampuan representasi siswa SMA Negeri 5 kota Ternate yaitu verbal 70,5%, gambar = 74,16%, vektor = 62%, dan grafik 36,6% pada materi gaya.

Kata Kunci: analisis, kemampuan multirepresetasi, konsep gaya

ABSTRACT

Nurmala Ibrahim. 2022. *Analysis Of The Multirepresentation Ability Of Class X High School Students On The Concept Of Style By Using Representational Of Force Concept Inventory (RFCI).* **Sumarni Sahjat, S.Pd., M.Pd, Si dan Dewi Amiroh, S.Pd., M.Pd.**

Study aims to 1) determine the level of understanding of students in SMA Negeri 1, SMA Negeri 4, and SMA Negeri 5 Ternate city of the concept of style X IPA in terms of answers to RFCI questions. 2) determine the percentage of students of SMA Negeri 1, SMA 4, and SMA 5 Ternate city class X IPA who have the ability in verbal representation, images, vectors, and graphics.

This research is a descriptive research with survey method. The subjects of this study were 90 students of class X, 30 students in each school in SMA Negeri 1, SMA Negeri 4, and SMA Negeri 5 Ternate city. Understanding the concept of style in this study is shown by the results of student tests using RFCI questions, while the percentage of students who have verbal, image, vector, and graphic representation skills is obtained by grouping representational abilities and then looking for the percentage as a whole.

The results showed that the level of understanding of students in SMA Negeri 1 Ternate city averaged 66, 167, SMA Negeri 4 averaged 64.19, and SMA Negeri 5 was 65.42. The percentage of students in SMA Negeri 1 Ternate city is verbal = 68.3%, pictures are 70.3%, vectors = 68% and graphics = 47.5%. = 66.11%, vector = 60.6%, and graphics = 39.16%. Meanwhile, the proportion of students' representation ability of SMA Negeri 5 Ternate city is 70.5% verbal, image = 74.16%, vector = 62%, and graphic 36.6% on style material.

Keywords: analysis, multirepresentation ability, style concept this