ANALISIS KONSEPSI LAJU REAKSI SISWA KELAS XI SMAS BINA KUSUMA RUTENG

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ABSTRAK

Penelitian ini bertujuan untuk mendeskripsikan dan menjelaskan profil konsepsi laju reaksi siswa kelas XI SMAS Bina Kusuma Ruteng serta, faktor-faktor yang menyebabkan miskonsepsi. Populasi penelitian adalah siswa kelas XI jurusan IPA di SMAS Bina Kusuma Ruteng. Sampel diambil secara acak sebanyak 30 orang siswa. Data dikumpulkan melalui instrumen tes diagnostik berupa pilihan ganda yang disertai tingkat keyakinan siswa terhadap kebenaran jawabannya. Analisis data dilakukan secara deskriptif dengan metode campuran (*mixed metod*). Hasil penelitian menunjukan rata-rata konsepsi siswa kelas XI menguasai konsep sebesar 42,44%, tidak tau konsep sebesar 8%, kurang pengetahuan presentasenya sebesar 1,56%, dan mengalami miskonsepsi sebesar 48%. Miskonsepsi terjadi pada indikator luas permukaan, pengaruh suhu terhadap laju reaksi, pengaruh katalis terhadap laju reaksi, terutama berkaitan dengan penalaran, kekeliruan prosedur, sumber belajar dan penekanan guru dalam memberikan informasi.

Kata kunci: analisis, konsepsi, laju reaksi

ABSTRACT

This study aims to describe and explain the conception profile of reaction rate of XI grade students of Bina Kusuma Ruteng Senior High School and the factors that cause misconceptions. The study population was the XI grade students majoring in Science at Bina Kusuma Ruteng High School. The sample was taken randomly as many as 30 students. Data were collected through a diagnostic test instrument in the form of multiple choice accompanied by the level of student confidence in the correctness of the answer. Data analysis was done descriptively with mixed methods. The results showed that the average conception of class XI students mastered the concept by 42.44%, did not know the concept by 8%, lacked knowledge by 1.56%, and experienced misconceptions by 48%. Misconceptions occurred in the indicators of surface area, the effect of temperature on the reaction rate, the effect of catalysts on the reaction rate, mainly related to reasoning, procedural errors, learning resources and teacher emphasis in providing information.

Keywords: analysis, conception, reaction rate