

ABSTRAK

Silvia Azahra Sitanggang, NIM 4201131013 (2024). Pengaruh Model *Learning Cycle E* dan Minat Terhadap Hasil Belajar Pada Materi Asam Basa Siswa Kelas XI SMA

Penelitian ini bertujuan untuk mengetahui apakah terdapat perbedaan hasil belajar peserta didik yang dibelajarkan dengan Model *Learning Cycle 5E* dan *Learning Cycle 7E* serta minat belajar tinggi dan rendah berbantuan media *powerpoint* pada materi asam basa, serta melihat interaksi antara model pembelajaran dan minat belajar siswa. Populasi dalam penelitian ini adalah seluruh siswa kelas XI di SMAN 4 Kisaran. Sampel diambil secara *purposif sampling* sebanyak 2 kelas dengan total keseluruhan sampel sebanyak 48 siswa. Uji hipotesis dilakukan dengan ANAVA dua jalur. Untuk model *Learning Cycle 5E* dan *Learning Cycle 7E* harga $F_{hitung} 7,044 > F_{tabel} 4,06$ yang artinya H_a diterima, maka dapat disimpulkan bahwa ada perbedaan yang signifikan rata-rata hasil belajar siswa yang diberi model *Learning Cycle 5E* dengan *Learning Cycle 7E* pada materi asam basa. Pada minat belajar yang tinggi dan rendah $F_{hitung} 4,58 > F_{tabel} 4,06$ yang artinya H_a diterima maka dapat disimpulkan bahwa ada perbedaan yang signifikan rata-rata hasil belajar siswa pada minat belajar tinggi dan minat belajar rendah pada materi asam basa. Selanjutnya untuk interaksi antara media dengan minat belajar diperoleh $F_{hitung} 4,078 > F_{tabel} 4,06$ yang artinya H_a diterima, maka dapat disimpulkan bahwa ada interaksi antara model pembelajaran dengan minat belajar terhadap hasil belajar siswa pada materi asam basa.

Kata kunci: Model *Learning Cycle E*, Minat Belajar, Hasil Belajar, Asam dan Basa

ABSTRACT

Silvia Azahra Sitanggang, NIM 4201131013 (2024). The Influence of the Learning Cycle E Model and Interest on Learning Outcomes in Acid-Base Material for Class XI High School Students.

This research aims to find out whether there are differences in the learning outcomes of students who are taught using the *Learning Cycle 5E* and *Learning Cycle 7E* models with high and low learning interest assisted by PowerPoint media on acid-base material, as well as looking at the interaction between the learning model and students' learning interest. The population in this study were all class XI students at SMAN 4 Kisaran. Samples were taken by purposive sampling from 2 classes with a total sample of 48 students. Hypothesis testing was carried out using a two-way ANOVA. For the 5E learning cycle and 7E learning cycle models, the price is $F_{\text{count}} 7,044 > F_{\text{table}} 4,06$ which means H_a is accepted, so it can be concluded that there is a significant difference in the average learning outcomes of students who were given the 5E learning cycle model with the 7E learning cycle model on acid-base material. At high and low learning interest, $F_{\text{count}} 4,58 > F_{\text{table}} 4,06$, which means that H_a is accepted, so it can be concluded that there is a significant difference in the average learning outcomes of students with high learning interest and low learning interest in acid-base material. Furthermore, for the interaction between media and interest in learning, $F_{\text{count}} 4,078 > F_{\text{table}} 4,06$ which means H_a is accepted, so it can be concluded that there is an interaction between the learning model and learning interest on student learning outcomes in acid-base material.

Keywords: *Learning Cycle E Model, Interest in Learning, Learning Outcomes, Acids and Bases*