ABSTRAK

Maria Enjelita Simanjuntak, NIM 413131008 (2023), Pengaruh Penerapan E-modul Interaktif Terhadap Motivasi dan Hasil Belajar Ssiwa Pada Materi Larutan Asam Basa.

Masalah dalam penelitian ini adalah masih rendahnya motivasi dan hasil belajar kimia siswa pada materi larutan asam basa. Penelitian ini bertujuan untuk mengetahui pengaruh model project based learning (PjBL) berbantuan media e-modul interaktif terhadap motivasi dan hasil belajar siswa di SMAN 7 Medan. Sampel penelitian diambil 2 kelas dengan teknik random sampling dan diajarkan dengan model PjBL. Perlakuan dikelas eksperimen berbantuan e-modul interaktif sedangkan dikelas kontrol berbantuan buku paket siswa. Pengumpulan data digunakan instrumen tes dan angket. Hasil penelitian menunjukkan rata-rata hasil belajar siswa kelas eksperimen sebesar 84,43 dengan gain 68,64% dan kelas kontrol sebesar 78,71 dengan gain 53,68%. Motivasi belajar siswa di kelas eksperimen sebesar 81,71 sedangkan di kelas kontrol 75,29. Terdapat korelasi yang signifikan dengan kategori sedang antara motivasi dan hasil belajar siswa sebesar 19,36% . Hipotesa dalam penelitian ini diterima, yaitu terdapat pengaruh model PjBL berbantuan media *e-modul* interaktif terhadap hasil belajar kimia siswa , motivasi belajar kimia siswa, dan ada korelasi antara motivasi belajar terhadap hasil belajar siswa.

Kata kunci: E-modul, PjBL, Hasil Belajar, Motivasi Belajar, Larutan Asam dan Basa

ABSTRACT

Maria Enjelita Simanjuntak, NIM 4193131008 (2023), The Effect of Using Interactive E-module on Student Motivation and Learning Outcomes on Acid-Base Solution Material.

The problem in this study is the low motivation and learning outcomes of chemistry students on acid-base solution material. This study aims to determine the effect of project-based learning (PjBL) model assisted by interactive e-module media on student motivation and learning outcomes at SMAN 7 Medan. The research sample was taken 2 classes with random sampling technique and taught with PjBL model. The treatment in the experimental class was assisted by interactive e-module while the control class was assisted by student packet books. Data collection used test instruments and questionnaires. The results showed that the average learning outcomes of experimental class students were 84.43 with a gain of 68.64% and the control class was 78.71 with a gain of 53.68%. Student learning motivation in the experimental class was 81.71 while in the control class it was 75.29. There is a significant correlation with a medium category between motivation and student learning outcomes of 19.36%. The hyphoteses of this study were accepted, namely there is an effect of the PjBL model assisted by interactive e-module media on student chemistry learning outcomes, student chemistry learning motivation, and there is a correlation between learning motivation and student learning outcomes.

Keywords: E-module, Project Based Learning (Pjbl), Learning Outcomes , Student Motivation , Acid-Base Solution.