ABSTRAK

Rachel Indriani Nainggolan (4203131056) Pengaruh Penerapan *e-Modul* Berbasis *Discovery Learning* Terhadap Minat Dan Hasil Belajar Siswa Kelas XI SMA Pada Materi Asam Basa

E-Modul merupakan media inovatif yang dapat meningkatkan minat siswa dalam proses pembelajaran. Penelitian ini adalah penelitian deskriptif bersifat kuantitatif dengan tujuan untuk mengetahui pengaruh pembelajaran menggunakan e-modul berbasis *discovery learning* terhadap minat dan hasil belajar siswa pada materi asam basa. Sampel diambil dari populasi secara *purposive* sebanyak 68 siswa, dimana 34 siswa sebagai kelas eksperimen (pembelajaran dengan penerapan e-modul berbasis *discovery learning*) dan 34 siswa kelas kontrol (pembelajaran dengan buku paket). Sebelum perlakuan terlebih dahulu dilakukan *pre-test* kepada kedua sampel , kemudian dilanjutkan dengan pembelajaran melalui penerapan e-modul berbasis *discovery learning* pada materi asam basa kepada kelas eksperimen dan pembelajaran berbasis *discovery learning* tanpa e-Modul kepada kelas kontrol, kemudian dilakukan *post-test*. Data yang diperoleh diolah secara deskriptif menggunakan *sofware* SPSS-25 dan dianalaisis secara kuantitatif dengan uji t-dua pihak (*Independent Sample t-Test*) . Hasil penelitian menunjukkan bahwa terdapat pengaruh signifikan media e-modul berbasis *Discovery Learning* terhadap minat dan hasil belajar siswa kelas eksperimen. Dari pengolahan data diperoleh hasil sebagai berikut: rata-rata hasil belajar siswa kelas eksperimen sebesar 81,9 dan kelas kontrol 73,6 dengan nilai Sig *(2- tailed)* > 0,05 atau 0,061 > 0,05 dan 0,067 > 0,05, menunjukkan nilai hasil belajar siswa kelas eksperimen lebih tinggi dari kelas kontrol (Selisih rata- rata hasil belajar 8,3%). Korelasi antara minat belajar dan hasil belajar siswa berkorelasi positif dengan nilai koefisien korelasi sebesar 0,689 (kategori koefisien korelasi tinggi). Dapat disimpulkan bahwa pembelajaran menggunakan e-modul berbasis *Discovery Learning* sangat berpengaruh terhadap minat dan hasil belajar kimia siswa pada materi asam basa.

Kata Kunci: e-Modul berbasis Discovery Learning , Minat Belajar, hasil belajar.

ABSTRACT

Rachel Indriani Nainggolan (4203131056) The Effect of Implementing Discovery Learning-Based e-Modules on the Interest and Learning Outcomes of Class XI High School Students on Acid-Base Material

E-Module is an innovative media that can increase student interest in the learning process. This research is quantitative descriptive research with the aim of finding out the effect of learning using discovery learning-based e-modules on students' interest and learning outcomes in acid-base material. The sample was taken from the population purposively as many as 68 students, of which 34 students were in the experimental class (learning using e-modules based on discovery learning) and 34 students were in the control class (learning using textbooks). Before the treatment, a pre-test was carried out on the two samples, then continued with learning through the application of discovery learning-based e-modules on acid-base material to the experimental class and discovery learning-based learning without e-Modules to the control class, then a post-test was carried out. The data obtained were processed descriptively using SPSS-25 software and analyzed quantitatively with a two-sided t-test (Independent Sample t-Test). The research results show that there is a significant influence of Discovery Learning-based e-module media on the interest and learning outcomes of experimental class students. From the data processing, the following results were obtained: the average learning outcome of the experimental class students was 81.9 and the control class was 73.6 with a Sig value (2-tailed) > 0.05 or $0.061 > 0.05$ and $0.067 > 0.05$, shows that the experimental class students' learning outcomes are higher than those in the control class (average difference in learning outcomes 8.3%). The correlation between learning interest and student learning outcomes is positively correlated with a correlation coefficient value of 0.689 (high correlation coefficient category). It can be concluded that learning using e-modules based on Discovery Learning has a great influence on students' chemistry interest and learning outcomes in acid-base material.

Keywords: E-Module based on Discovery Learning, Learning Interest, learning outcomes.