

ABSTRAK

Wahyu, 2022. Pengaruh penerapan model *Problem Based Learning* (PBL) berbantuan media *Prezi* terhadap efektivitas belajar siswa SMA Negeri 4 Kota Ternate pada Materi Titration Asam Basa. Pembimbing Abdul Rasyid Saraha dan Fitriana Ibrahim.

Penelitian ini dilakukan untuk mengetahui Pengaruh Penerapan model *Problem Based Learning* (PBL) berbantuan media *Prezi* terhadap efektivitas belajar siswa SMA Negeri 4 Kota Ternate pada Materi Titration Asam Basa dan besar pengaruh penerapan model *Problem Based Learning* (PBL) berbantuan media *Prezi* terhadap efektivitas belajar siswa SMA Negeri 4 Kota Ternate pada Materi Titration Asam Basa. Jenis penelitian ini adalah penelitian eksperimen menggunakan *design* penelitian *One Group Pretest-Posttest Design*. Populasi dalam penelitian ini adalah seluruh siswa kelas XI IPA SMA Negeri 4 Kota Ternate pada tahun ajaran 2022/2023 yang berjumlah 31 siswa yang terdiri hanya satu kelas. Teknik pengambilan sampel yang digunakan ialah sampel jenuh atau semua populasi dijadikan sampel, dengan jumlah sampel 31 siswa. Instrumen tes yang digunakan dalam penelitian ini berupa soal *essay* yang berjumlah 12 *item* yang digunakan untuk menghitung efektivitas belajar kognitif siswa. Teknik analisis data adalah teknik analisis statistik deskriptif dan analisis statistik inferensial menggunakan *SPSS For Windows Version 21.0*. Hasil uji Hipotesis dalam penelitian ini diperoleh $\text{sig} < 0,05$ atau $0,000 < 0,05$, $t_{\text{hitung}} > t_{\text{tabel}}$ atau $21,142 > 2,042$ maka H_a diterima dan H_o ditolak. Besar pengaruh model PBL berbantuan media *prezi* terhadap efektivitas belajar siswa diperoleh dari nilai gain 0,84 (kategori tinggi).

Kata Kunci: Efektivitas Belajar, *Problem Based Learning*, Titration Asam Basa.

ABSTRACT

Wahyu, 2022. The effected of applying the Problem Based Learning (PBL) model with the helped of Prezi media on the learning effectiveness of students at SMA Negeri 4 Kota Ternate on Acid Base Titration Materials. Advisors Abdul Rasyid Saraha and Fitriana Ibrahim.

This study was conducted to determine the effect of applying the Problem Based Learning (PBL) model with the helped of Prezi media on the learning effectiveness. This type of research was an experimental study using a research design of One Group Pre-test Post-test Design. The population in this research were all students of class XI IPA SMA Negeri 4 Kota Ternate in the academic year 2022/2023, totaling 31 students consisting of only one class. The sampling technique used is a saturated sample or all of the population is sampled, with a sample of 31 students. The test instrument used in this research was in the form of essay questions totaling 12 items which were used to calculate students cognitive learning effectiveness. Data analysis techniques are descriptive statistical analysis techniques and inferential statistical analysis using SPSS For Windows Version 21.0. The results of the hypothesis test in this research obtained $\text{sig} < 0.05$ or $0.000 < 0.05$, $t_{\text{count}} > t_{\text{table}}$ or $21,142 > 2,042$ then H_a is accepted and H_o is rejected. The large influence of the PBL model assisted by the media prezi on the effectiveness of student learning is obtained from the gain value of 0.84 (high category).

Keywords: Learning Effectiveness, Problem Based Learning, Acid Base Titration.