

ABSTRAK

Bika Friska Natalia Br Tarigan, NIM 4193131007 (2023). Pengaruh Model Pembelajaran *Problem Based Learning* Bermediakan *Digital Flipbook* Terhadap Hasil Belajar Siswa Pada Materi Asam Basa.

Tujuan dari penelitian ini untuk mengetahui pengaruh media pembelajaran *digital flipbook* menggunakan model pembelajaran *Problem Based Learning* terhadap hasil dan motivasi belajar siswa kelas XI pada materi Asam Basa di SMA Negeri 1 Pancur Batu. Penelitian ini merupakan penelitian kuantitatif. Pengambilan sampel dilakukan dengan menggunakan *random sampling*. Penelitian ini mengambil sampel yang terdiri dari dua kelompok, yaitu kelompok eksperimen pada kelas XI MIA 3 dan kelompok kontrol pada kelas XI MIA 4. Teknik pengumpulan data melalui wawancara, tes hasil belajar, angket motivasi belajar dan dokumentasi. Sedangkan untuk Teknik analisis data menggunakan uji normalitas, uji homogenitas, dan uji hipotesis dengan rumus uji t pihak kanan dan uji t dua pihak. Rata-rata *posttest* pada kelas eksperimen > kelas kontrol (82,5 > 74,6). Hasil uji t-hasil belajar siswa diperoleh signifikansi data $\leq 0,05$ yang menunjukkan model pembelajaran *problem based learning* bermediakan *digital flipbook* berpengaruh terhadap hasil belajar siswa pada materi asam basa. Hasil uji-t motivasi belajar siswa diperoleh signifikansi data $\leq 0,05$ yang menunjukkan model pembelajaran *problem based learning* bermediakan *digital flipbook* berpengaruh terhadap motivasi belajar siswa pada materi asam basa. Hasil uji korelasi diperoleh $r_{hitung} = 0,645$ (kategori kuat) sehingga terdapat korelasi positif antara motivasi dan hasil belajar siswa. Maka dinyatakan bahwa terdapat pengaruh yang positif dan signifikan dari penggunaan model pembelajaran *problem based learning* bermediakan *digital flipbook* terhadap motivasi dan hasil belajar siswa pada materi asam basa di kelas XI SMA Negeri 1 Pancur Batu.

Kata kunci : *digital flipbook*, hasil dan motivasi belajar, *problem based learning*, asam basa.



ABSTRACT

Bika Friska Natalia Br Tarigan, NIM 4193131007 (2023). The Effect of Problem Based Learning Models Using Digital Flipbooks on Student Learning Outcomes in Acid-Base Material.

The purpose of this study was to determine the effect of digital flipbook learning media using the Problem Based Learning learning model on the learning outcomes and motivation of class XI students in Acid-Base material at SMA Negeri 1 Pancur Batu. This research is a quantitative research. Sampling was done by using random sampling. This study took samples consisting of two groups, namely the experimental group in class XI MIA 3 and the control group in class XI MIA 4. Data collection techniques were through interviews, achievement tests, learning motivation questionnaires and documentation. As for the data analysis technique using the normality test, homogeneity test, and hypothesis testing with the right side t test formula and two party t test. Posttest average in the experimental class > control class (82.5 > 74.6). The results of the t-test for student learning outcomes obtained data significance ≤ 0.05 which showed that the problem-based learning model using digital flipbooks had an effect on student learning outcomes in acid-base material. The results of the t-test of students' learning motivation obtained data significance ≤ 0.05 which showed that the problem-based learning model using digital flipbooks had an effect on students' learning motivation in acid-base material. Correlation test results obtained $r_{count} = 0.645$ (strong category) so that there is a positive correlation between motivation and student learning outcomes. So it is stated that there is a positive and significant influence from the use of problem-based learning learning models using digital flipbooks on student motivation and learning outcomes in acid-base material in class XI SMA Negeri 1 Pancur Batu.

Keywords: digital flipbook, learning outcomes and motivation, problem based learning, acids and bases.

