

ABSTRAK

Hengki Wijaya P Aritonang, NIM 4183131022 (2022). Perbedaan Hasil Belajar dan Motivasi Belajar Siswa dengan Menggunakan Model PBL dan Pembelajaran Konvensional Berbantuan Media iSpring Pada Materi Laju Reaksi.

Penelitian ini bertujuan untuk mengetahui apakah terdapat perbedaan yang signifikan hasil belajar siswa dan motivasi belajar siswa yang dibelajarkan menggunakan model PBL berbantuan media iSpring dengan model pembelajaran konvensional berbantuan media *iSpring* pada materi laju di SMA Swasta PAB 8 Saentis. Populasi penelitian ialah seluruh siswa kelas XI SMA Swasta PAB 8 Saentis. Sampel terdiri dari siswa kelas XI SMA Swasta PAB 8 Saentis, yang terdiri dari 2 kelas, yaitu kelas eksperimen (XI IPA 2) dengan model PBL dan kelas kontrol (XI IPA 3) dengan model konvensional. Instrumen yang digunakan adalah instrument tes dan non tes. Data hasil belajar siswa terlebih dahulu di uji normalitas dan homogenitasnya, dimana hasil yang didapat kedua sampel tersebut berdistribusi normal dan homogen. Uji hipotesis dilakukan dengan menggunakan uji independent sample t-test, hasil penelitian ini menunjukkan pada hipotesis 1 dihasilkan nilai sig sebesar 0,001 pada taraf signifikansi 5% ($\alpha = 0,05$). Apabila nilai sig < α maka H_0 ditolak. Dengan demikian, menunjukkan adanya perbedaan hasil belajar siswa yang dibelajarkan menggunakan model PBL berbantuan media *iSpring* dengan model pembelajaran konvensional berbantuan media *iSpring*. Sedangkan hipotesis 2 diperoleh nilai sig sebesar 0,04 menunjukkan adanya perbedaan motivasi belajar siswa dan hipotesis 3 diperoleh nilai sig 0,035 menunjukkan terdapat korelasi antara motivasi dan hasil belajar siswa yang dibelajarkan menggunakan model PBL berbantuan media *iSpring* dengan model pembelajaran konvensional berbantuan media *iSpring*.

Kata Kunci : Hasil Belajar, Laju Reaksi, *Pbl* , *Konvensional*, Motivasi Belajar, Dan *iSpring*



ABSTRACT

Hengki Wijaya P Aritonang, NIM 4183131022 (2022). Differences in Learning Outcomes and Students' Learning Motivation by Using the PBL Model and Conventional Learning Assisted by iSpring Media on the Reaction Rate Material.

This study aims to determine whether there is a significant difference in student learning outcomes and student learning motivation who are taught using the PBL model assisted by the ISpring media with the conventional learning model assisted by the iSpring media on the speed material at SMA Swasta PAB 8 Saentis. The research population is all students of class XI SMA Private PAB 8 Saentis. The sample consisted of class XI SMA Private PAB 8 Saentis, which consisted of 2 classes, namely the experimental class (XI IPA 2) with the PBL model and the control class (XI IPA 3) with the conventional model. The instruments used are test and non-test instruments. The student learning outcomes data were first tested for normality and homogeneity, where the results obtained by the two samples were normally distributed and homogeneous. Hypothesis testing was carried out using the independent sample t-test, the results of this study showed that in hypothesis 1, a sig value of 0.001 was obtained at a significance level of 5% ($\alpha = 0.05$). If the value of $\text{sig} < \alpha$ then H_0 is rejected. Thus, it shows that there are differences in student learning outcomes who are taught using the PBL model assisted by the Ispring media with the conventional learning model assisted by the iSpring media. While hypothesis 2 obtained a sig value of 0.04 indicating a difference in student learning motivation and hypothesis 3 obtained a sig value of 0.035 indicating a correlation between motivation and student learning outcomes who were taught using the PBL model assisted by the ISpring media with the conventional learning model assisted by the iSpring media.

Keywords: Learning Outcomes, Reaction Rate, Pbl, Conventional, Learning Motivation, And Ispring

