

ABSTRAK

Devita Suri Airina, NIM 4171131009 (2021). Penerapan Model Pembelajaran *Problem Based Learning* Dengan Media *Intraktif Lectora Inspire* Pada Materi Laju Reaksi.

Penelitian ini bertujuan untuk mengetahui nilai rata-rata hasil belajar siswa yang dibelajarkan menggunakan model pembelajaran *problem based learning* dengan media *interaktif lectora inspire* pada materi laju reaksi mencapai nilai KKM yaitu 70. Populasi dalam penelitian sebanyak dua kelas yaitu seluruh siswa kelas XI SMA Mulia Pratama Medan. Sampel digunakan dalam penelitian ini menggunakan teknik *random sampling* yang diambil sebanyak satu kelas dengan jumlah siswa 21 orang. Sumber data berasal dari guru yang diperoleh melalui observasi atau data nilai laju reaksi siswa tahun lalu. Instrumen yang digunakan terdiri dari instrumen tes sebanyak 25 soal yang telah valid dan reliabel. Analisis data menggunakan uji hipotesis dengan uji *One Simple T-Test*, uji prasyarat normalitas dan homogenitas. Berdasarkan hasil penelitian yang dilakukan diperoleh rata-rata *pretest* sebesar $47,8571 \pm 8,88$ dan rata – rata *posttest* sebesar $78,8089 \pm 9,73$. Hal ini diperoleh dari $t_{hitung} > t_{tabel}$ atau $4,720 > 2,086$ sehingga H_a diterima. Pendekatan kedua (*probabilistik*), *sig (2-tailed)* $0,00 < 0,05$ maka H_a diterima dan H_o ditolak dan dapat disimpulkan bahwa nilai rata-rata hasil belajar siswa yang dibelajarkan menggunakan model *problem based learning* dengan media *interaktif lectora inspire* pada materi laju reaksi lebih tinggi dari nilai KKM yaitu 70.

Kata kunci : *Lectora Inspire*, Model *Problem Based Learning*, Hasil belajar, Laju Reaksi.

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ABSTRACT

Devita Suri Airina, NIM 4171131009 (2021). Application Of Problem Based Learning Models With Lectora Inspire Interactive Media In Reaction Rate Materials

This study aims to determine the average value of student learning outcomes who are taught using the problem-based learning model with interactive media Lectora Inspire on the material of reaction rate to reach the KKM value of 70. The population in the study was two classes, namely all students of class XI SMA Mulia Pratama. The sample used in this study using a random sampling technique taken as many as one class with a total of 21 students. The data source came from the teacher which was obtained through observation or last year's student reaction rate value data. The instrument used consisted of a test instrument of 25 valid and reliable questions. Data analysis used hypothesis testing with the One Simple T-Test, normality and homogeneity prerequisite tests. Based on the results of the research conducted, it was obtained that the pretest average was 47.8571 ± 8.88 and the posttest average was 78.8089 ± 9.73 . This is obtained from $t_{count} > t_{table}$ or $4.720 > 2.086$ so that H_a is accepted. The second approach (probabilistic), $\text{sig (2-tailed)} 0.00 < 0.05$, then H_a is accepted and H_o is rejected and it can be concluded that the average value of student learning outcomes is taught using a problem-based learning model with interactive media of lecture inspire on the material. The reaction rate is higher than the KKM value, which is 70.

Keyword : *Lectora Inspire, Problem Based Learning Models, Learning Outcomes, Reaction Rate.*

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