

ABSTRAK

Cindy Claudia Sitorus Pane, NIM 4193321027 (2024). Pengaruh Model *Problem Based Learning* Berbantuan Alat Peraga Terhadap Kemampuan Pemecahan Masalah Siswa Kelas XI SMA.

Penelitian ini bertujuan untuk mengetahui pengaruh model pembelajaran *problem based learning* berbantuan alat peraga terhadap kemampuan pemecahan masalah siswa. Jenis penelitian yang digunakan adalah *quasi eksperiment* dengan desain *two group pretests-posttest*. Sampel penelitian terdiri dari dua kelas, kelas yang diambil yaitu XI 1 sebagai kelas kontrol dan XI 2 sebagai kelas eksperimen. Instrumen yang digunakan yaitu tes kemampuan pemecahan masalah berbentuk uraian sebanyak 6 butir soal yang sudah divalidasi. Hasil analisis data menunjukkan bahwa model *problem based learning* berbantuan alat peraga berpengaruh signifikan pada kemampuan pemecahan masalah siswa, sehingga dapat disimpulkan bahwa ada pengaruh penerapan model pembelajaran berbasis masalah berbantuan alat peraga terhadap kemampuan pemecahan masalah siswa pada materi fluida statis. Berdasarkan uji N-gain diperoleh peningkatan signifikan kemampuan pemecahan masalah siswa di kelas eksperimen adalah sebesar 64% dan di kelas kontrol adalah sebesar 56%.

Kata Kunci: problem based learning, konvensional, kemampuan pemecahan masalah

ABSTRACT

Cindy Claudia Sitorus Pane, NIM 4193321027 (2024). The Influence of the Problem Based Learning Model Assisted by Teaching Aids on the Problem Solving Abilities of High School Students.

This research aims to determine the effect of the problem based learning model assisted by teaching aids on students' problem solving abilities. The type of research used was quasi-experimental with a two group pretests-posttest design. The research sample consisted of two classes, the classes taken were XI 1 as the control class and XI 2 as the experimental class. The instrument used is a problem solving ability test in the form of a description of 6 validated questions. The results of data analysis show that the problem based learning model assisted by visual aids has a significant effect on students' problem solving abilities, so it can be concluded that there is an influence of the application of the problem based learning model assisted by visual aids on students' problem solving abilities in static fluid material. Based on the N-gain test, it was found that a significant increase in students' problem solving abilities in the experimental class was 64% and in the control class it was 56%.

Keywords: problem based learning, conventional learning, problem solving

