ABSTRAK

Windi Fadhila Lubis, 4182121018 (2022). Pengaruh Model Pembelajaran _Problem Based Learning_ Berbantuan Edmodo Terhadap Hasil Belajar Fisika di MAN 3 Medan

Penelitian bertujuan untuk mengetahui hasil belajar fisika siswa menggunakan model PBL (_Problem Based Learning_) berbantuan Edmodo pada materi dinamika dan keseimbangan benda tegar di MAN 3 Medan. Populasi dalam penelitian ini adalah seluruh siswa kelas XI dengan teknik pengambilan sampel adalah _cluster random sampling_ yaitu kelas XI MIPA 4 sebagai kelas kontrol dan XI MIPA 6 sebagai kelas eksperimen. Jenis penelitian yang digunakan adalah _quasi eksperiment_ dengan desain _two group pretest-posttest_. Instrumen hasil belajar berupa tes uraian yang berjumlah 10 soal yang telah divalidasi oleh ahli. Hasil penelitian menunjukkan bahwa nilai rata-rata _pretest_ kelas eksperimen diperoleh 14,42 dan nilai rata-rata _pretest_ kelas kontrol diperoleh 13,38. Sedangkan nilai rata-rata _posttest_ kelas eksperimen diperoleh 70,06 dan nilai rata-rata _posttest_ kelas kontrol diperoleh 42,88. Berdasarkan penelitian disimpulkan bahwa terdapat pengaruh model _problem based learning_ berbantuan edmodo terhadap hasil belajar fisika di MAN 3 Medan.

Kata kunci : _problem based learning_, edmodo, hasil belajar.

ABSTRACT

Windi Fadhila Lubis, 4182121018 (2022). *The Effect of Edmodo Assisted Problem Based Learning Learning Model on Physics Learning Outcomes at* **MAN 3 Medan**

The research aims to determine student physics learning outcomes using the PBL (Problem Based Learning) model assisted by Edmodo on the dynamics and balance of rigid bodies at MAN 3 Medan. The population in this study were all students of class XI with the sampling technique of cluster random sampling, namely class XI MIPA 4 as the control class and XI MIPA 6 as the experimental class. The type of research used is a quasi-experimental with a two group pretest-posttest design. The learning outcome instrument is in the form of a test obtained from 10 things that have been validated by experts. The results showed that the average value of the pretest of the experimental class was 14.42 and the mean value of the pretest of the control class was 13.38. While the posttest average value of the experimental class was 70.06 and the control class's posttest average was 42.88. Based on the research, that there is an effect of the problem based learning model assisted by Edmodo on the learning outcomes of physics at MAN 3 Medan.
Key words: problem based learning, edmodo, learning outcomes.