PENGARUH MODEL PEMBELAJARAN BERBASIS MASALAH (*PROBLEM BASED LEARNING*) TERHADAP HASIL BELAJAR DAN KETERAMPILAN PROSES SAINS SISWA PADA MATERI PERUBAHAN LINGKUNGAN DI KELAS X IPA SMA NEGERI 10 MEDAN T.P 2018/2019

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ABSTRAK

Penelitian ini bertujuan untuk mengetahui pengaruh model pembelajaran berbasis masalah terhadap hasil belajar dan keterampilan proses sains siswa pada materi perubahan lingkungan kelas X IPA SMAN 10 Medan T.P 2018//2019. Penelitian ini dilaksanakan pada bulan Februari-Mei, di SMAN 10 Medan. Metode yang digunakan dalam penelitian ini adalah metode eksperimen semu (*quasi eksperimen*). Populasi penelitian adalah seluruh siswa kelas X IPA sebanyak 103 orang. Sampel diambil secara acak dan berjumlah 60 orang. Hasil uji statistik menunjukkan bahwa rata-rata hasil belajar pada siswa kelas eksperimen adalah pretes sebesar 44,89 dan postes sebesar 83,53, sedangkan kelas kontrol pretes sebesar 44,34 dan postes sebesar 73,53. Selanjutnya uji hipotesis (uji t) menunjukkan bahwa ($t_{hitung} = 4,793 > t_{tabel} = 2,393$) untuk hasil belajar dan ($t_{hitung} = 5,934 > t_{tabel} = 2,393$) untuk keterampilan proses sains siswa pada taraf signifikasi 1%. Hal ini menunjukkan bahwa terdapat pengaruh model pembelajaran berbasis masalah terhadap hasil belajar dan keterampilan proses sains siswa kelas X SMAN 10 Medan T.P 2018/2019.

Kata Kunci: *Pembelajaran Berbasis Masalah, Hasil Belajar, Keterampilan Proses Sains Siswa*

THE EFFECT OF PROBLEM BASED LEARNING MODEL TOWARDS LEARNING OUTCOME AND STUDENT SCIENCE PROCESS SKILLS ON ENVIRONMENTAL INFLUENCE MATERIALS IN CLASS X SCIENCE SMAN 10 MEDAN T.P 2018/2019

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ABSTRACT

This study aims to determine the impact of Problem Based Learning model towards learning outcomes and student's skills of science process in environmental impact materials conducted in the whole classes of the first grade majoring Science in Senior High School 10 Medan 2018/2019. This research was conducted in February to May. The method used in this study was quasi experimental method. The population of this study are 103 students from the first grade majoring science in this school, and then 60 samples are taken randomly. The statistical analysis show that the average of student learning outcomes in the experimental class is pretest of 44,89 and posttest of 83,53, while the control class pretest is 44,34 and posttest 73,53. Then hypothesis test (t test) show that (t_{count} = 4,793 > t_{table} = 2,393) for learning outcomes and (t_{count} = 5,934 > t_{table} = 2,393) for student's skills of science process in 1% significance level. It means that problem based learning model has an impact to learning outcomes and student's skills of science process to the students of the first grade majoring science in Senior High School 10 Medan 2018/2019.

Keyword: *Problem Based Learning, Learning Outcomes, Student's Skills of Science Process*

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