

**PENGARUH MODEL PEMBELAJARAN BERBASIS MASALAH  
(PROBLEM BASED LEARNING) TERHADAP HASIL BELAJAR  
SISWA PADA SUB MATERI EKOSISTEM DI KELAS X-MIA  
SMA NEGERI 1 DELI TUA T.P. 2017/2018**

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**ABSTRAK**

Penelitian ini bertujuan untuk mengetahui pengaruh model pembelajaran berbasis masalah (*Problem Based Learning*) terhadap hasil belajar siswa pada sub materi ekosistem di kelas X-MIA SMA Negeri 1 Deli Tua T.P 2017/2018. Jenis penelitian ini adalah *quasi eksperimen*. Populasi dalam penelitian adalah seluruh siswa kelas X MIA SMA Negeri 1 Deli tua yang terdiri dari 7 kelas. Pengambilan sampel dilakukan dengan cara *random sampling* dengan mengambil 2 kelas yaitu kelas X-MIA 6 sebagai kelas eksperimen yang berjumlah 36 orang dan kelas X-MIA 7 sebagai kelas kontrol yang berjumlah 36 orang. Instrumen yang digunakan dalam penelitian ini ada 2, yaitu tes hasil belajar dalam bentuk pilihan berganda sebanyak 20 soal dan lembar observasi untuk aktivitas siswa. Hasil penelitian diperoleh nilai rata-rata postes kelas eksperimen 68,88 dengan standar deviasi 8,54 dan kelas kontrol 64,4 dengan standar deviasi 8,76. Aktivitas siswa kelas eksperimen selama pembelajaran tergolong baik. Dari hasil pengolahan data postes diperoleh bahwa  $t_{hitung} = 2,3$  dan  $t_{tabel} = 1,6668$ , sehingga  $t_{hitung} > t_{tabel}$  ( $2,3 > 1,6668$ ) maka  $H_0$  ditolak dan  $H_a$  diterima, sehingga dapat disimpulkan bahwa ada pengaruh model pembelajaran berbasis masalah (*Problem Based Learning*) terhadap hasil belajar siswa pada materi ekosistem di kelas X-MIA SMA Negeri 1 Deli Tua T.P 2017/2018.

**Kata kunci:** Model *Problem Based Learning*, Hasil Belajar, Aktivitas.

**INFLUENCE OF LEARNING MODELS BASED ON PROBLEMS  
(PROBLEM BASED LEARNING) ON LEARNING RESULT  
STUDENTS ON ECOSISTEM MATTER SUB IN CLASS  
X-MIA SMA NEGERI 1 DELI TUA T.P. 2017/2018**

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**ABSTRACT**

This study aims to determine the effect of problem based learning model on student learning outcomes in sub ecosystem in class X-MIA SMA Negeri 1 Deli Tua T.P 2017/2018. This type of research is quasi experiment. The population in the study were all students of class X MIA SMA Negeri 1 Deli old consisting of 7 classes. Sampling was done by random sampling by taking 2 classes of X-MIA 6 classes as experiment class which amounted to 36 people and class X-MIA 7 as control class which amounted to 36 people. Instrument used in this research there are 2, that is test result of learning in the form of multiple choice as many as 20 question and observation sheet for student activity. The result showed that the average of experimental class postes was 68,88 with standard deviation of 8,54 and control class 64,4 with standard deviation 8,76. The activity of the experimental class students during the learning is good. From result of data processing postes obtained that  $t_{count} = 2,3$  and  $t_{table} = 1,6668$ , so  $t_{hitung} > t_{table}$  ( $2,3 > 1,6668$ ) hence rejected and  $H_a$  accepted, so it can be concluded that there is influence of problem-based learning model ( Problem Based Learning) on student learning outcomes on ecosystem materials in X-MIA class SMA Negeri 1 Deli Tua TP 2017/2018.

**Keywords:** Problem Based Learning Model, Learning Outcomes, Activity.