

**PENGARUH MODEL *PROBLEM BASED LEARNING* (PBL) TERHADAP
KEMAMPUAN PEMECAHAN MASALAH SISWA KELAS X MIA
SMA NEGERI 1 RANTAU SELATAN PADA MATERI
PENCEMARAN LINGKUNGAN TAHUN
PEMBELAJARAN 2016/2017**

Saadilla Mursyid (4131141041)

ABSTRAK

Penelitian ini bertujuan untuk mengetahui pengaruh model *problem based learning* terhadap kemampuan pemecahan masalah siswa kelas X MIA SMA Negeri 1 Rantau Selatan pada materi pencemaran lingkungan tahun pembelajaran 2016/2017. Populasi penelitian ini seluruh siswa kelas X MIA SMA Negeri 1 Rantau Selatan sebanyak 5 kelas dan sampel penelitian terdiri dari 2 kelas dan pengambilan sampel dilakukan dengan teknik *simple random sampling*. Jenis penelitian adalah eksperimen dengan disain penelitian *pretest posttest control group design*. Instrumen penelitian berupa tes uraian. Berdasarkan uji hipotesis dengan menggunakan uji-t pada taraf signifikan (α) = 0,05, didapat harga $t_{hitung} = 2,63$ dan $t_{tabel} = 2,02$ sehingga H_0 ditolak dan H_a diterima. Dapat disimpulkan bahwa ada pengaruh positif model *problem based learning* terhadap kemampuan pemecahan masalah siswa kelas X MIA SMA Negeri 1 Rantau Selatan pada materi pencemaran lingkungan tahun pembelajaran 2016/2017.

Kata Kunci: *problem based learning*, pemecahan masalah, pencemaran lingkungan

**THE EFFECT OF MODEL PROBLEM BASED LEARNING (PBL) ON
STUDENT PROBLEM SOLVING ABILITY OF CLASS X MIA
(MATHEMATIC AND NATURAL SCIENCE PROGRAM)
ON ENVIRONMENT POLLUTION SUBJECT IN
SMA NEGERI 1 RANTAU SELATAN
LEARNING YEAR 2016/201R**

Saadilla Mursyid (4131141041)

ABSTRACT

This study aims to determine the effect of problem-based learning model on the problem solving skills of students of class X MIA SMA Negeri 1 Rantau Selatan on environmental pollution subject of the learning year 2016/2017 . The population of this study is all students of class X MIA SMA Negeri 1 Rantau Selatan as many as 5 classes and sample consists of 2 classes and sampling is done by simple random sampling technique. The type of research is experiment with pretest posttest control group design. The research instrument is a essay test. Based on hypothesis test by using t-test at significant level (α) = 0,05, got $t_{count} = 2,63$ and $t_{table} = 2,02$ so H_0 rejected and H_a accepted. It can be concluded that there is a positive effect of problem based learning model on the problem solving ability of grade X students of SMA Negeri 1 Rantau Selatan on environmental pollution subject of learning year 2016/2017.

Keyword: problem based learning, problem solving, environmental pollution