

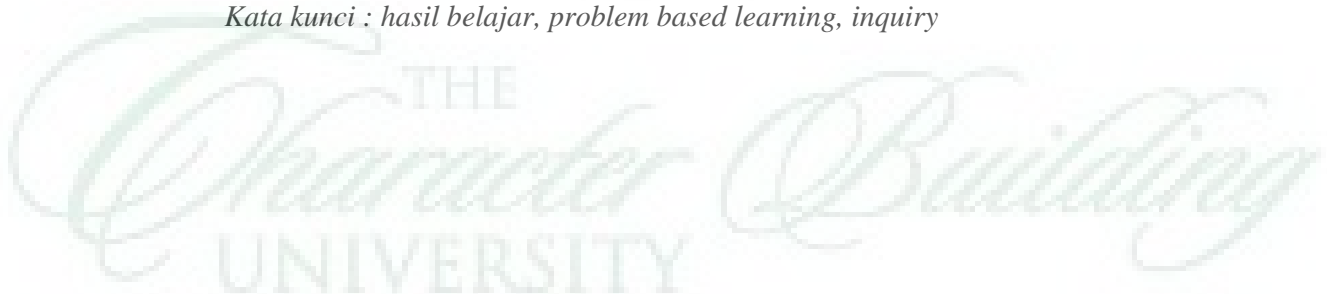
PERBEDAAN HASIL BELAJAR SISWA MENGGUNAKAN MODEL PEMBELAJARAN *PROBLEM BASED LEARNING* DAN *INQUIRY* TERHADAP HASIL BELAJAR BIOLOGI SISWA PADA MATERI EKOSISTEM DI KELAS X IPA MAN 2 MODEL MEDAN TAHUN PEMBELAJARAN 2016/2017

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ABSTRAK

Penelitian ini bertujuan untuk mengetahui perbedaan hasil belajar siswa yang menggunakan model pembelajaran *Problem Based Learning* dan model pembelajaran *Inquiry* pada materi Ekosistem di kelas X IPA MAN 2 MODEL MEDAN tahun pembelajaran 2016/2017. Populasi dalam penelitian ini adalah seluruh kelas X IPA sebanyak 9 kelas dan sampel diperoleh secara acak atau *random sampling* yaitu kelas X IPA 1 untuk kelas eksperimen 1 menggunakan model *Problem Based Learning* dengan jumlah siswa 39 orang, kelas X IPA 2 untuk kelas eksperimen 2 menggunakan model pembelajaran *Inquiry* dengan jumlah siswa 39 orang. Jenis penelitian ini adalah penelitian eksperimen. Instrumen yang digunakan untuk mengetahui hasil belajar siswa adalah soal dalam bentuk pilihan berganda sebanyak 30 soal yang telah divalidkan terlebih dahulu. Dari hasil analisis data diperoleh nilai rata-rata hasil belajar kelas eksperimen *Problem Based Learning* 73,97 : SD 12,85 dan kelas eksperimen *Inquiry* 65,95 : SD 10,23 dan dilakukan uji-t dengan $\alpha = 0,05$ diperoleh $t_{hitung} = 3,04$ dan $t_{tabel} = 1,995$. Berdasarkan hasil tersebut disimpulkan bahwa model pembelajaran *Problem Based Learning* lebih baik dan terdapat ada perbedaan hasil belajar siswa yang diajarkan dengan model pembelajaran *Problem Based Learning* dan *Inquiry* pada materi Ekosistem di kelas X IPA MAN 2 MODEL MEDAN Tahun Pembelajaran 2016/2017.

Kata kunci : hasil belajar, problem based learning, inquiry



**THE COMPARISON OF STUDENTS ACHIEVEMENT IN LEARNING
ECOSYSTEM WITH *PROBLEM BASED LEARNING* AND *INQUIRY*
MODEL FOR XTH IPA GRADE STUDENT IN MAN 2 MODEL MEDAN
LEARNING YEAR 2016/2017**

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ABSTRACT

This study aims to determine differences in learning outcomes of students who are taught by learning model *Problem Based Learning* and *Inquiry* on ecosystem in class X Man 2 Model Medan learning year 2016/2017. The population in this study were all students of class X In Man 2 Model Medan learning year 2016/2017 consisting of 9 classes. The sample was taken by random sampling method. The samples used were two classes, namely for class I experiment with the number of 39 students and class II experimental with the number of 39 students. This type of research is an experimental research. Instruments used to determine student learning outcomes is a matter in the form of multiple choice questions that have been as much as 20 valid first. Result of data analysis obtained by the average value of learning outcomes in the classroom experiments I 73,97 : SD 12,85 and classroom learning outcomes experiment II 65,95 : SD 10,23. After testing $-t$ with $\alpha = 0,05$ was obtained $t_{hitung} = 3,04$ and $t_{tabel} = 1,995$ and $\alpha = 0,01$ was obtained $t_{hitung} = 3,04$ and $t_{tabel} = 1,995$ so $t_{hitung} > t_{tabel}$. Based on these results concluded that the learning model *Problem Based Learning* is better and there are differences in learning outcomes of students who are taught by learning model *Problem Based Learning* and *Inquiry* on ecosystem in class X Man 2 Model Medan learning year 2016/2017.

Keywords : learning outcomes, Problem Based Learning, Inquiry