

**PERBEDAAN HASIL BELAJAR SISWA MENGGUNAKAN MODEL
DISCOVERY LEARNING DAN PROBLEM BASED LEARNING
PADA SUB MATERI POKOK EKOSISTEM DI KELAS
X SMA NEGERI 14 MEDAN T.P 2015/2016**

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ABSTRAK

Penelitian ini bertujuan untuk mengetahui perbedaan hasil belajar siswa melalui penggunaan model *Discovery Learning* dan *Problem Based Learning* di Kelas X SMA Negeri 14 Medan T.P 2015/2016. Sampel dalam penelitian ini terdiri dari 2 kelas (69 orang) yang diambil dengan random sampling dari 9 kelas yang ada. Hasil belajar siswa diukur berdasarkan aspek kognitif. Dari hasil analisis diperoleh nilai rata-rata pada kelas yang diajar menggunakan *Discovery Learning* sebesar $78,66 \pm 9,22$, sedangkan nilai rata-rata pada kelas yang diajar menggunakan *Problem Based Learning* sebesar $73,66 \pm 8,88$. Uji hipotesis menunjukkan ada perbedaan yang signifikan antara *Discovery Learning* dengan *Problem Based Learning* pada sub materi pokok ekosistem di kelas X SMA Negeri 14 Medan T.P 2015/2016 pada $\alpha 0,05$.

Kata Kunci : *hasil belajar, discovery learning, problem based learning*

**THE DIFFERENCE OF STUDENT LEARNING RESULT BY USING
DISCOVERY LEARNING AND *PROBLEM BASED LEARNING* SUB
SUBJECT MATTER ECOSYSTEM IN TENTH GRADE SMA
NEGERI 14 MEDAN ACADEMIC YEAR 2015/2016**

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ABSTRACT

The purpose of this research to know of difference in student learning result by using *Discovery Learning* and *Problem Based Learning* in tenth grade of SMA Negeri 14 Medan academic year 2015/2016. The sample research consisted of two classes (sixty-nine) taken by random sampling technique of the nine existing classes. Student learning outcomes measured by cognitive. The analysis result average value *Discovery Learning* obtained $78,66 \pm 9,22$ and the average value *Problem Based Learning* obtained $73,66 \pm 8,88$. Hypothesis testing show it was concluded that there was the significant difference between *Discovery Learning* and *Problem Based Learning* sub subject matter ecosystem in tenth grade of SMA Negeri 14 Medan academic year 2015/2016

Keywords : learning outcomes, *discovery learning*, *problem based learning*