PERBEDAAN HASIL BELAJAR SISWA DENGAN MENGGUNAKAN MODEL PEMBELAJARAN *DISCOVERY LEARNING* DAN *PROBLEM BASED LEARNING* PADA MATERI EKOSISTEM DI KELAS X SMA NEGERI 11 MEDAN TAHUN PEMBELAJARAN 2014/2015

Jelita Hutasoit (4111341004)

ABSTRAK

Penelitian ini bertujuan untuk mengetahui perbedaan hasil belajar siswa menggunakan model pembelajaran *discovery learning* dan *problem based learning* pada materi ekosistem di kelas X SMA Negeri 11 Medan tahun pembelajaran 2014/2015. Jenis penelitian ini adalah penelitian eksperimen. Populasi adalah siswa kelas X SMA Negeri 11 Medan yang berjumlah 280 siswa dan sampel diambil secara random sampling sebanyak 80 siswa. Setelah mendapat perlakuan nilai rata-rata post test siswa diajar dengan menggunakan model discovery learning ($\bar{X}_1$ = 80,12; SD= 6,35) lebih rendah dibanding dengan menggunakan model problem based learning ($\bar{X}_2$= 85,75 ; SD= 7,20). Adanya perbedaan hasil belajar tersebut dibuktikan melalui pengujian hipotesis dengan menggunakan uji-t dan taraf kepercayaan α =0,05, dimana t_{hit}= 11,97 >1,99 yang berarti dalam penelitian ini H_0 ditolak sekaligus menerima H_a. Sehingga dapat disimpulkan bahwa ada perbedaan kelas problem based learning lebih tinggi hasil belajarnya discovery learning pada materi ekosistem di kelas X SMA 11 Medan Tahun Pembelajaran 2014/2015.

THE DIFFERENT TYPE TO STUDENT LEARNING RESULT OF MODEL DISCOVERY LEARNING AND PROBLEM BASED LEARNING IN ECOSYSTEM MATERIALAT CLASS X SMA NEGERI 11 MEDAN ACADEMIC YEAR 2014/2015

Jelita Hutasoit (NIM 4111341004)

ABSTRACT

The purpose of this research to know the contrastive of students learning result which established by discovery learning model and problem based learning model in ecosystem material at class X SMA Negeri 11 Medan academic year 2014/2015. Kind of this research in an experimen research. The population of the research is all of the student at class X SMA Negeri with total 280 students and the sample was taken out random sampling as many as 80 students. After got the post-test average of students which taught by using discovery learning ($\bar{X}$ = 80,12; SD= 6,35) lower than using problem based learning model ($\bar{X}_2$= 85,75 ; SD= 7,20). The existence of differences in learning outcomes is demostrated through hypothesis testing using t-test and confidence level of $\alpha = 0,05$, where 11,97 t-test > t-table 1,99, which means in this study received H_a, H_0 is rejected at the same time. So it can be conclude that there was statistical difference where learning the result of model problem based learning is higher than the classroom learning the result of the model discovery learning in Ecosystem material at class X SMA Negeri 11 Medan in Academic Year 2014/1015.