

**PENGARUH MODEL PEMBELAJARAN PROJECT BASED
LEARNING (PJBL) TERHADAP HASIL BELAJAR DAN
KETERAMPILAN PROSES SAINS SISWA PADA
MATERI EKOSISTEM DI KELAS X SMA
NEGERI 1 BINTANG BAYU
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ABSTRAK

Tujuan penelitian ini adalah untuk mengetahui pengaruh model PjBL (*Project Based Learning*) terhadap hasil belajar dan keterampilan proses sains siswa pada materi Ekosistem di kelas X Semester 2 SMA Negeri 1 Bintang Bayu Tahun Pembelajaran 2015/2016. Jenis penelitian ini adalah penelitian eksperimen. Sampel dalam penelitian ini terdiri dari dua kelas, kelas model *Project Based Learning* (PjBL) berjumlah 36 orang sedangkan kelas kontrol berjumlah 37 orang. Hasil analisa data diperoleh: (1) nilai postes hasil belajar dengan menggunakan model *Project Based Learning* (PjBL) dimana harga t_{hitung} sebesar -0,79 dibandingkan dengan harga t_{tabel} dengan uji dua pihak dimana $dk = n_1 + n_2 - 2 = 70$ untuk kesalahan 5% diperoleh harga t_{tabel} sebesar 2,000. Dengan demikian $t_{hitung} < t_{tabel}$ (-0,79 < 2,000) sehingga H_0 diterima berarti tidak ada pengaruh model *Project Based Learning* (PjBL) terhadap hasil belajar siswa di kelas X Semester 2 SMA Negeri 1 Bintang Bayu., (2) nilai postes keterampilan proses sains siswa dengan menggunakan model PjBL dimana harga t_{hitung} sebesar 0,63 dibandingkan dengan harga t_{tabel} dengan uji dua pihak dimana $dk = n_1 + n_2 - 2 = 70$ untuk kesalahan 5% diperoleh harga t_{tabel} sebesar 2,000. Dengan demikian $t_{hitung} < t_{tabel}$ (0,63 < 2,000) sehingga H_0 diterima berarti tidak ada pengaruh model *Project Based Learning* (PjBL) terhadap keterampilan proses sains siswa di kelas X Semester 2 SMA Negeri 1 Bintang Bayu.

Kata Kunci: *Model Pembelajaran PjBL, Hasil Belajar, Keterampilan Proses Sains.*

**THE EFFECT OF PROJECT BASED LEARNING (PJBL) MODEL ON
LEARNING ACHIEVEMENT AND STUDENT SCIENCE
PROCESS SKILLS ON ECOSYSTEM AT X
SMA NEGERI 1 BINTANG BAYU
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ABSTRCK

The purpose of this study was to determine the effect of PjBL (Project Based Learning) model on learning achievement and student science process skills on Ecosystem in ten grade second semester SMA Negeri 1 Bintang Bayu academic year 2015/2016. This type of research is an experimental research. The sample in this study consisted of two classes, class Project Based Learning (PjBL) model consisted of 36 students, while the control class consisted of 37 students. Results of data analysis obtained: (1) the score posttest by using a model of Project Based Learning (PjBL) which price t_{hitung} of -0.79 compared with the price t_{tabel} to test the two parties where $dk = n_1 + n_2 - 2 = 70$ for 5 % errors obtained t_{tabel} 2,000 price. Thus, $t_{hitung} < t_{tabel}$ (-0.79 < 2.000) so H_0 accepted means no influence of Project Based Learning (PjBL) model to learning achievement of students in ten grade second semester SMA Negeri 1 Bintang Bayu., (2) the score student science of the skills postes by using PjBL model which price of t_{hitung} is 0.63 compared with the price of t_{tabel} to test the two parties where $dk = n_1 + n_2 - 2 = 70$ for a 5% errors rates obtained t_{tabel} 2,000. Thus, $t_{hitung} < t_{tabel}$ (0.63 < 2.000) so H_0 accepted means no influence of Project Based Learning (PjBL) model to the science process skills of students in the ten grade second Semester SMA Negeri 1 Bintang Bayu.

Key word: Project Based Learning (PjBL) model, learning achievement, science process skills.