# ABSTRAK

**Vizha, NIM 4153341053 (2021). Perbedaan Hasil Belajar Siswa Menggunakan Model Pembelajaran *Problem Based Learning* (PBL) dan *Project Based Learning* (PjBL) pada Materi Perubahan Lingkungan di Kelas X MIA SMA Negeri 2 Percut Sei Tuan T.P. 2020/2021.**

Tujuan dari penelitian ini adalah untuk mengetahui perbedaan hasil belajar siswa yang diajar menggunakan model pembelajaran *Problem Based Learning* (PBL) dan *Project Based Learning* (PjBL) pada materi Perubahan Lingkungan di kelas X MIA SMA Negeri 2 Percut Sei Tuan T.P. 2020/2021. Jenis penelitian ini adalah penelitian semu (*quasi experiment*) dengan populasi penelitian seluruh kelas X MIA SMA Negeri 2 Percut Sei Tuan terdiri dari 5 kelas dengan jumlah siswa sebanyak 180 siswa. Sampel penelitian ini dipilih dengan menggunakan teknik *purposive sampling*. Sampel terdiri dari dua kelas yaitu kelas X MIA-3 yang berjumlah 36 orang sebagai kelas *Problem Based Learning* dan kelas X MIA-4 yang berjumlah 36 orang sebagai kelas *Project Based Learning*. Instrumen penelitian berupa tes hasil belajar siswa berbentuk tes objektif (esai) yang berjumlah 15 soal yang sudah divalidasi terlebih dahulu. Untuk mengetahui perbedaan hasil belajar siswa digunakan uji-t. Berdasarkan uji persyaratan data diketahui bahwa data hasil penelitian berdistribusi normal dan kedua kelas memiliki kesamaan varians (homogen). Dari analisis data diketahui bahwa nilai rata-rata siswa yang diajar dengan *Problem Based Learning* adalah 72,56 dengan standar deviasi 4,23, dan yang diajar dengan *Project Based Learning* adalah 69,27 dengan standar deviasi 4,29. Ada perbedaan yang signifikan terhadap hasil belajar siswa, ini dibuktikan melalui uji-t pada taraf signifikan $\alpha = 0,05$ dan dk = 70 diperoleh $t_{hitung} > t_{tabel}$ (3,9172 > 1,9967), sehingga dalam penelitian ini $H_0$ ditolak dan menerima $H_a$. Dengan demikian, dapat disimpulkan bahwa terdapat perbedaan hasil belajar siswa yang diajarkan dengan menggunakan model pembelajaran *Problem Based Learning* (PBL) dan *Project Based Learning* (PjBL) pada materi Perubahan Lingkungan di Kelas X MIA SMA Negeri 2 Percut Sei Tuan T.P. 2020/2021.

**Kata kunci**: *Problem Based Learning*, *Project Based Learning*, hasil belajar.

# ABSTRACT

**Vizha, NIM 4153341053 (2021). Difference Learning Results Student Using Problem Based Learning (PBL) and Project Based Learning (PjBL) on the Material of Environmental Changes in Class X MIA SMA Negeri 2 Percut Sei Tuan T.P. 2020/2021.**

*The purpose of this research is to know the difference of learning outcomes of students who are taught using learning model Problem Based Learning and Project Based Learning on the material of Environmental Changes in Class X MIA SMA Negeri 2 Percut Sei Tuan T.P. 2020/2021. This research type is quasi experiment with the research population class SMA Negeri 2 Percut Sei Tuan consists of 5 classes with a total of 180 students. The sample of this research was chosen by using purposive sampling technique. The sample consists of two classes, namely class X MIA-3 which requires 36 peoples as Problem Based Learning and class X MIA-4 which requires 36 peoples as Project Based Learning. The research instrument used is the result of objective test (essay) that requires 15 questions that have been validated first. To know the difference of learning result of student used t-test. Examined by the data of the study of normal distribution and middle class have the same variant (homogeneous). From the analytical data, it is known that the average student who is taught with Problem Based Learning is 72,56 with standart deviation 4,23, and the taught with Project Based Learning is 69,27 with standart deviation 4,29. There is a significant difference to student learning outcomes, it is proved by t-test at a significant level $\alpha = 0,05$ and dk =70 obtained $t_{count} > t_{table}$ (3,9172 > 1,9967) then this study rejects $H_0$ and receives $H_a$. Thus, it can be concluded by the differences in student learning outcomes that use the learning model Problem Based Learning and Project Based Learning on the material of Environmental Changes in Class X MIA SMA Negeri 2 Percut Sei Tuan.*

***Keywords***: *Problem Based Learning, Project Based Learning, learning outcomes.*