

## ABSTRAK

Suhaidah, N. 2023. Pengaruh Penerapan Model Pembelajaran *Problem Based Learning* (PBL) Terhadap Hasil Belajar Dan Kemampuan Kerja Sama Siswa Pada Materi Ekosistem Kelas X; Skripsi Tanjungpinang, Program Studi Pendidikan Biologi, Fakultas Keguruan Dan Ilmu Pendidikan, Universitas Maritim Raja Ali Haji. Pembimbing 1: Assist. Prof. Dr. Hj. Nevrita, M. Pd., M. Si, Pembimbing 2: Assist. Prof. Dios Sarkity, S. Pd., M. Pd.

**Kata Kunci:** *Problem Based Learning*, Hasil Belajar, Kemampuan Kerja Sama, Ekosistem

Penelitian ini bertujuan untuk melihat pengaruh penerapan model pembelajaran *Problem Based Learning* terhadap hasil belajar dan kemampuan kerja sama siswa pada materi ekosistem. Penelitian ini merupakan penelitian kuasi eksperimen dengan populasi seluruh siswa kelas X MIPA SMA Negeri 7 Tanjungpinang. Teknik pengambilan sampel pada penelitian ini adalah *total sampling*. Instrumen yang digunakan di dalam penelitian ini adalah Lembar tes yang digunakan untuk mengukur hasil belajar siswa setelah dilakukan pembelajaran menggunakan model *Problem Based Learning* dan instrumen lembar observasi untuk mengukur kemampuan kerja sama siswa yang diamati oleh observer (pengamat) setelah dilakukan pembelajaran menggunakan model *Problem Based Learning*. Berdasarkan hasil uji hipotesis yang diperoleh menunjukkan hasil uji U, uji T dan Uji Kruskal Wallis maka diketahui: (1) terdapat pengaruh yang signifikan pada penerapan model pembelajaran *Problem Based Learning* terhadap hasil belajar siswa (2) terdapat pengaruh yang signifikan pada penerapan model pembelajaran *Problem Based Learning* terhadap kemampuan kerja sama siswa (3) terdapat pengaruh yang signifikan pada penerapan model pembelajaran *Problem Based Learning* terhadap hasil belajar dan kemampuan kerja sama siswa. Model pembelajaran *Problem Based Learning* ini dapat direkomendasikan sebagai model pembelajaran alternatif untuk menunjang proses pembelajaran yang dapat meningkatkan hasil belajar dan kemampuan kerja sama siswa di dalam kelas pada saat pembelajaran biologi.

## ABSTRACT

Suhaidah, N. 2023. The Effect of Applying the Problem Based Learning (PBL) Learning Model on Learning Outcomes and Students' Cooperation Ability in Class X Ecosystem Material. Thesis. Tanjungpinang: Biology Education Department, Teacher Training and Education Faculty, Raja Ali Haji Maritime University. Advisor: Assist. Prof. Dr. Hj. Nevrita, M. Pd., M. Si. Co-advisor: Assist. Prof. Dios Sarkity, S. Pd., M. Pd.

**Keywords** : Problem Based Learning, Learning Outcomes, Cooperation Ability, Ecosystem

This study aimed to see the effect of applying the Problem-Based Learning learning model on learning outcomes and students' cooperative abilities in ecosystem material. This research was a quasi-experimental study with a population of all students of class X MIPA SMA Negeri 7 Tanjungpinang. The sampling technique in this study was total sampling. The instrument used in this study was a test sheet used to measure student learning outcomes after learning was carried out using the Problem-Based Learning model and observation sheet instruments to measure students' cooperative abilities observed by observers. After learning using the Problem-Based Learning model. Based on the results of the hypothesis testing obtained, it shows the results of the U test, T-test, and Kruskal Wallis test, it is known: (1) there was a significant influence on the application of the Problem-Based Learning learning model on student learning outcomes (2) there was a significant influence on the application of the Problem learning model Based Learning on student cooperation abilities (3) there was a significant influence on the application of the Problem-Based Learning learning model on student learning outcomes and collaboration abilities. This Problem-Based Learning learning model can be recommended as an alternative learning model to support the learning process that can improve learning outcomes and students' cooperative abilities in class when learn biology.