

## ABSTRAK

Ritonga, Wanda Christy. 2024. Pengaruh Model *Problem-Based Learning* Terhadap Hasil Belajar Siswa Kelas X dalam Materi Virus di SMAN 4 Tanjungpinang. Skripsi. Program Studi Pendidikan Biologi, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Maritim Raja Ali Haji. Pembimbing I: Assist. Prof. Elfa Oprasmani, S.Pd., M.Pd. Pembimbing II: Assist. Prof. Adam Fernando, S.Pd., M.Pd.

**Kata kunci:** Hasil Belajar, *Problem-based learning*.

Penelitian ini bertujuan untuk mengetahui pengaruh model *Problem-based Learning* terhadap hasil belajar siswa kelas X dalam materi virus di SMAN 4 Tanjungpinang. Jenis penelitian ini merupakan penelitian kuasi eksperimen dengan pendekatan kuantitatif. Desain penelitian yakni *posttest only control group design*. Populasi dalam penelitian adalah seluruh siswa kelas X IPS SMAN 4 Tanjungpinang Tahun Ajaran 2022/2023. Teknik sampel menggunakan probability sampling dengan jumlah populasi 340 siswa dan sampel 71 siswa yang dikelompokkan menjadi kelas eksperimen dan kelas kontrol. Teknik pengumpulan data yang digunakan yaitu dengan instrumen soal tes pilihan ganda untuk melihat hasil belajar siswa. Teknik analisis data yang digunakan yaitu uji normalitas dan hipotesis. Uji hipotesis yang digunakan berupa uji *Mann Whitney* dan hasilnya  $0.000 < 0.05$ . Berdasarkan hasil penelitian diperoleh, bahwa dapat disimpulkan bahwa penggunaan model pembelajaran *Problem-based learning* berpengaruh secara signifikan terhadap hasil belajar siswa di kelas X SMAN 4 Tanjungpinang pada materi virus.

## ABSTRACT

Ritonga, Wanda Christy. 2024. *The Influence of the Problem-Based Learning Model on the Learning Outcomes of Class X Students on Virus Material* at Sman 4 Tanjungpinang. Thesis. Biology Education Study Program, Faculty of Teacher Training and Education, Raja Ali Haji Maritime University. Advisor : Assist. Prof. Elfa Oprasmani, S.Pd., M.Pd. Co Advisor : Assist. Prof. Adam Fernando, S.Pd., M.Pd.

**Keywords:** Problem-based learning, learning outcomes

This research was intended to test the effect of the problem-based Learning model on students' learning outcomes in class X virus for class X SMAN 4 Tanjungpinang. This type of research was a quasi-experimental research with a quantitative approach. The research was designed a post-test nonequivalent only control design. The population in the study were all class X SMAN 4 Tanjungpinang for the academic year 2022/2023. The sampling technique uses probability sampling with a population of 340 students and a sample of 71. The collection technique used test and observation. The collection technique used is a multiple choice test to see student learning outcomes. The data analysis techniques used are normality and hypothesis tests. The hypothesis tests used are the Mann Whitney test the result  $0.000 < 0.05$ . Based on the research results, it can be concluded that the use of the problem-based learning model with has a significant effect on student learning outcomes in class X SMAN 4 Tanjungpinang on virus material.