

ABSTRAK

Intan Putri Lestari, 2022. Pengaruh Model Pembelajaran *Problem Based Learning* (PBL) Terhadap Hasil Belajar Siswa Kelas X IPA MAS Cemara Jaya Kabupaten Halmahera Timur. Dibimbing oleh Abdul Rasid Saraha dan Sudir Umar.

Penelitian ini dilakukan untuk mengetahui pengaruh model pembelajaran *problem based learning* (PBL) terhadap hasil belajar siswa kelas X IPA MAS Cemara Jaya Kabupaten Halmahera Timur pada materi sistem periodik unsur. Jenis penelitian yang digunakan adalah penelitian eksperimen dengan desain *One Group Pretest-Posttest Design*. Populasi dalam penelitian ini adalah keseluruhan siswa kelas X IPA yang berjumlah 15 siswa dengan teknik pengambilan sampel yaitu sampling jenuh. Instrumen yang digunakan berupa soal essay sebanyak 10 nomor yang digunakan untuk menentukan hasil belajar kognitif siswa. Data yang diperoleh dianalisis menggunakan *SPSS statistics 21*. Hasil uji hipotesis dalam penelitian ini diperoleh $\text{sig} < 0,05$ atau $0,000 < 0,05$, $t_{\text{hitung}} > t_{\text{tabel}}$ atau $8,139 > 2,144$ maka H_0 ditolak dan H_1 diterima. Sehingga terdapat peningkatan hasil belajar dengan menerapkan model pembelajaran *problem based learning*. Besar peningkatan hasil belajar siswa diperoleh dari uji nilai gain adalah 0,5 dengan kategori sedang.

Kata Kunci: Model *Problem Based Learning*, Hasil Belajar, Sistem Periodik Unsur

ABSTRACT

Intan Putri Lestari, 2022. The Influence of Problem Based Learning (PBL) Learning Outcomes for Class X Science Students at MAS Cemara Jaya, East Halmahera Regency. Supervised by Abdul Rasid Saraha and Sudir Umar.

This study was conducted to determine the effect of the problem based learning (PBL) model on the learning outcomes of students in class X IPA MAS Cemara Jaya, East Halmahera Regency on the material of the periodic system of elements. The type of research used is experimental research with One Group Pretest-Posttest Design. The population in this study were all 15 students of class X IPA with a sampling technique of saturated sampling. The instrument used is in the form of 10 numbered essay questions which are used to determine students' cognitive learning outcomes. The data obtained were analyzed using SPSS statistics 21. The results of hypothesis testing in this study obtained $\text{sig} < 0.05$ or $0.000 < 0.05$, $t_{\text{count}} > t_{\text{table}}$ or $8.139 > 2.144$ then H_0 is rejected and H_1 is accepted. So that there is an increase in learning outcomes by applying the problem based learning model. The increase in student learning outcomes obtained from the gain value test is 0.5 in the medium category.

Keywords: Problem Based Learning Model, Learning Outcomes, Periodic System of Elements