

ABSTRAK

Ruslan Selpia, 2024 Pengaruh Model Problem Based Learning (PBL) Terhadap Hasil Belajar Siswa Kelas X SMA Negeri 6 Kepulauan Sula Pada Materi Struktur Atom. Pembimbing Indra Cipta dan Dira Ayu Annisa.

Penelitian ini dilakukan untuk mengetahui Pengaruh Model Problem Based Learning (PBL) Terhadap Hasil Belajar Siswa Kelas X SMA Negeri 6 Kepulauan Sula Pada Materi Struktur Atom. Jenis penelitian yang digunakan adalah penelitian eksperimen dengan desain penelitian yaitu *One-Group Pretest Posttest Design*. Populasi dalam penelitian ini adalah seluruh siswa siswi kelas X pada materi struktur atom Di SMA Negeri 6 Kepulauan Sula yang berjumlah 17 orang dengan teknik pengambilan sampel sampling jenuh. Instrumen yang digunakan dalam penelitian ini yaitu tes berupa soal essay sebanyak 10 nomor. Data yang diperoleh selanjutnya dianalisis menggunakan SPSS 21.0. Hasil uji hipotesis dalam penelitian ini diperoleh dari uji *paired sample T Test*, $t_{hitung} > t_{tabel}$ (16,004 > 2,120) maka H_a diterima H_0 ditolak sehingga model pembelajaran *problem based learning* (PBL) berpengaruh terhadap hasil belajar siswa, dengan pengaruh yang diperoleh dari uji nilai gain sebesar 0,30 dengan kategori sedang.

Kata Kunci: Problem Based Learning (PBL), Hasil Belajar, Struktur Atom.

ABSTRACT

Ruslan Selpia, 2024 The Effect of the Problem Based Learning (PBL) Model on the Learning Outcomes of Class X Students of SMA Negeri 6 Sula Islands on Atomic Structure Materials. Supervisor of Indra Cipta and Dira Ayu Annisa.

This research was conducted to determine the Effect of the Problem Based Learning (PBL) Model on the Learning Outcomes of Class X Students of SMA Negeri 6 Sula Islands on Atomic Structure Material. The type of research used by experimental research with research design, namely One-Group Pretest Posttest Design. The population in this study is all class X students on the atomic structure material at SMA Negeri 6 Sula Islands which totaled 17 people with saturated side sampling techniques. The instrument used in this study a test in the form of 10 numbers of essay questions. The data obtained was then analysed using SPSS 21.0. The results of the hypothesis test in this study were obtained from the paired sample T Test, $t_{hitung} > t_{table}$ ($16,004 > 2,120$) so that H_a was accepted by H_0 and was rejected by the problem-based learning (PBL) learning model that affects the student's learning outcomes, with the influence obtained from the gain test of 0.30 with the medium category.

Keywords: Problem Based Learning (PBL), Learning Results, Atomic Structure