ABSTRAK

Serlin Palilati, 2021. Pengaruh Model *Problem Based Learning* Terhadap Hasil Belajar Siswa Kelas X SMA 6 Kepulauan Sula Pada Materi Sistem Periodik Unsur. Pembimbing. Abdul Rasid Saraha dan Sudir Umar.

Penelitian ini dilakukan untuk mengetahui pengaruh model *problem based learning* terhadap hasil belajar siswa kelas X SMA Negeri 6 Kepulauan Sula pada materi sistem periodik unsur dan besar pengaruh model pembelajaran *problem based learning* terhadap hasil belajar siswa pada materi sistem periodik unsur kelas X SMA Negeri 6 Kepulauan Sula. Jenis penelitian yang digunakan adalah *Pre-Experimental* dengan desain *one-group pretest-posttest*. Sampel penelitian adalah kelas X IPA sebanyak 20 siswa dengan teknik pengambilan sampel yaitu *purposive sampling*. Instrument yang digunakan dalam penelitian ini berupa soal essay sebanyak 10 item yang digunakan untuk mengukur hasil belajar siswa. Data yang diperoleh kemudian dianalisis dengan SPSS 21. Hasil uji hipotesis yang diperoleh dari uji *Paired Sample T Test* dalam penelitian ini adalah thitung > ttabel atau 10,869 > 1,729, maka terdapat pengaruh model pembelajaran *problem based learning* terhadap hasil belajar siswa dengan nilai gain sebesar 0,77 dengan kategori tinggi.

Kata Kunci: *Problem Based Learning*, Hasil Belajar, Sistem Periodik Unsur, SPSS 21.

ABSTRACT

Serlin Palilati, 2021. The Effect of Problem Based Learning Model on Learning Outcomes of Class X Students of SMA 6 Sula Islands on the Periodic System of Elements. Supervisor. Abdul Rasid Saraha and Sudir Umar.

This study was conducted to determine the effect of the problem based learning model on student learning outcomes in class X SMA Negeri 6 Sula Islands on the material periodic system of elements and the effect of problem based learning models on student learning outcomes on the material periodic system elements in class X SMA Negeri 6 Sula Islands. The type of research used is Pre-Experimental with a one-group pretest-posttest design. The research sample is class X IPA as many as 20 students with a sampling technique that is purposive sampling. The instrument used in this study was an essay question of 10 items which was used to measure student learning outcomes. The data obtained were then analyzed by SPSS 21. The results of the hypothesis test obtained from the Paired Sample T Test in this study were tcount > ttable or 10,869 > 1,729, so there was an effect of the problem based learning model on student learning outcomes with a gain value of 0, 77 with high category.

Keywords : Problem Based Learning, Learning Outcomes, Periodic System of Elements, SPSS 21.