

ABSTRAK

Chrystyne, NIM 4173141007 (2017). Efektivitas Model Pembelajaran *Project Based Learning* Terhadap Hasil Belajar Siswa pada Materi Sistem Sirkulasi Manusia Kelas XI IPA SMA Santa Maria Tarutung Dalam Pembelajaran Daring.

Penelitian ini bertujuan untuk mengetahui efektivitas penerapan model pembelajaran *Project Based Learning* terhadap hasil belajar siswa pada materi sistem sirkulasi manusia kelas XI IPA SMA Santa Maria Tarutung. Jenis penelitian ini merupakan penelitian *Pre Experimental* dengan menggunakan rancangan *one group pretest-posttest design*. Teknik pengambilan sampel ditentukan melalui teknik *purposive sampling* dengan jumlah sampel 36 orang siswa. Teknik pengumpulan data yang digunakan adalah melalui *pre-test* dan *post-test*. Hasil penelitian menunjukkan bahwa diperoleh peningkatan hasil belajar siswa sebesar 48,11%. Hasil analisis data menunjukkan bahwa nilai rata-rata *pre-test* sebesar 34,44 dan *post-test* sebesar 82,55. Berdasarkan hasil belajar keterampilan (Produk) diperoleh bahwa nilai keterampilan dengan kriteria sangat baik 13 siswa, kriteria baik 12 siswa dan kriteria cukup baik 11 siswa. Tingkat ketuntasan belajar siswa sebesar 86,11% (tuntas), Tingkat penguasaan materi siswa sebesar 82,55% (tinggi) dan rata-rata N-Gain menunjukkan bahwa hasil belajar siswa mengalami peningkatan sebesar 74,16% (tinggi). Dari penelitian ini dapat disimpulkan bahwa penerapan model pembelajaran *Project Based Learning* efektif digunakan pada saat pembelajaran daring.

Kata kunci : *Efektivitas, Project Based Learning, Hasil Belajar*



ABSTRACT

Chrystyne, NIM 4173141007 (2017). The Effectiveness of Project Based Learning Model on Student Learning result in the Human Circulation System Material for Class XI IPA SMA Santa Maria Tarutung in Online Learning.

This study aims to decide the effectiveness of the application Project Based Learning model on student learning result in the human circulation system material in class XI IPA SMA Santa Maria Tarutung. This type of research is a pre-experimental study using a one group pretest-posttest design. The sampling technique was determined through purposive sampling technique with a sample totaling 36 students. The data collection technique used was through pre-test and post-test. The results showed that the increase in student learning outcomes was 48.11%. The results of the data analysis showed that the pre-test mean score was 34.44 and the post-test score was 82.55. Based on the results of learning skills (Product), it was found that the skill scores with very good criteria were 13 students, 12 students good criteria and 11 students good enough criteria. The level of student learning completeness is 86.11% (complete), the level of student mastery of the material is 82.55% (high) and the average N-Gain shows that student learning outcomes have increased by 74.16% (high). From this research it can be concluded that the application of the Project Based Learning model is effective when used when learning online.

Keywords: *Effectiveness, Project Based Learning, Learning result*

