

ABSTRAK

Penelitian ini bertujuan untuk : 1) Untuk mengetahui perbedaan hasil belajar siswa antara model pembelajaran *project based learning* dan *problem based learning* mapel pemrogdas kelas X di SMKN 1 Arosbaya. 2) Untuk mengetahui keterlaksanaan model pembelajaran *project based learning* dan *problem based learning* terhadap terhadap hasil belajar pada mata pelajaran pemograman dasar kelas X di SMKN 1 Arosbaya. 3) Untuk mengetahui respon siswa kelas X terhadap model pembelajaran *project based learning* dan *problem based learning* terhadap hasil belajar siswa mata pelajaran pemograman dasar kelas X di SMKN 1 Arosbaya. Penelitian ini merupakan penelitian kuantitatif dengan menggunakan desain *true experimental design* dengan teknik *pretest-posttest control group design*. Penelitian ini dilaksanakan di kelas X TKJ SMK Negeri 1 Arosbaya yang berjumlah 55 siswa. Pengambilan sampel menggunakan teknik *non-probability*. Teknik pengumpulan data yang digunakan yaitu tes, observasi, angket, dan dokumentasi. Berdasarkan hasil uji hipotesis pada penelitian ini, disimpulkan bahwa: 1) Ada perbedaan hasil belajar siswa antara model pembelajaran *project based learning* dan *problem based learning* dengan nilai W_{hitung} yang diperoleh sebesar 27.6, sedangkan nilai W_{tabel} untuk taraf signifikan 0.05 diperoleh sebesar 46. 2) Dalam keterlaksanaan model pembelajaran *project based learning* pada aktivitas guru untuk nilai rata-rata presentase untuk kedua pertemuan sebesar 90% dengan kategori “Sangat Baik”. Sedangkan dalam keterlaksanaan model pembelajaran *problem based learning* pada aktivitas guru untuk nilai rata-rata presentase untuk kedua pertemuan sebesar 78,3% dengan kategori “Baik”. 3) Selanjutnya presentase rata-rata hasil angket respon siswa pada model pembelajaran *project based learning* sebesar 80.73% dengan kategori “Kuat”, sedangkan model pembelajaran *problem based learning* sebesar 78.63% dengan kategori “Kuat”.

Kata kunci : Model pembelajaran *project based learning*, *problem based learning*, Hasil Belajar.

ABSTRACT

This study aims to: 1) To find out the differences in student learning outcomes between the project based learning learning model and the class X problem-based problem learning mapel in Arosbaya 1 Vocational High School. 2) To determine the feasibility of the project based learning learning model and problem based learning on learning outcomes on the basic programming subjects of class X in SMK 1 Arosbaya. 3) To find out the response of class X students to the project based learning model and problem based learning to the student learning outcomes of the class X basic programming subjects in SMK 1 Arosbaya. This research is a quantitative study using the true experimental design design with the pretest-posttest control group design technique. This research was conducted in class X TKJ SMK Negeri 1 Arosbaya which amounted to 55 students. Sampling uses non-probability techniques. Data collection techniques used were tests, observations, questionnaires, and documentation. Based on the results of hypothesis testing in this study, it was concluded that: 1) There are differences in student learning outcomes between project based learning and problem based learning learning models with Whitung values obtained at 27.6, while the Wtabel value for significance level of 0.05 is 46. 2) In the implementation of the project based learning learning model on teacher activities for the average percentage value for the two meetings was 90% with the "Very Good" category. While in the implementation of the problem based learning learning model on teacher activities for the average percentage value for the two meetings was 78 , 3% with the category "Good". 3) Furthermore, the average percentage of student response questionnaire results on the project based learning learning model is 80.73% with the category "Strong", while the problem based learning learning model is 78.63% with the category "Strong".

Keywords: Project based learning, problem based learning model learning, Learning Outcomes.