

ABSTRAK

Tujuan penelitian ini adalah untuk mengetahui pengaruh model *project based learning* terhadap aktivitas belajar siswa kelas XI SMA Negeri 6 metro, untuk mengetahui pengaruh model *project based learning* terhadap keterampilan proses sains kelas XI SMA Negeri 6 Metro. Penelitian ini dilakukan dengan desain *true experimental design*. Penentuan sampel menggunakan teknik cluter random sampling yang terpilih adalah kelas XI 1 sebagai kelas eksperimen, kelas XI 4 sebagai kelas kontrol. Teknik pengumpulan data yang digunakan adalah lembar observasi untuk mengukur aktivitas belajar serta keterampilan proses sains kelas eksperimen dan kelas kontrol. Instrumen observasi yang digunakan adalah kisi – kisi lembar observasi. Untuk menguji dan menganalisis hipotesis dalam penelitian Ini megggunakan uji independen t- test. Hasil penelitian terdapat pengaruh model *project based learning* terhadap aktivitas belajar kelas XI SMA Negeri 6 Metro yakni pada signifikasi diperoleh nilai Sig. sebesar $0.000 < 0,05$. Terdapat pengaruh model *project based learning* terhadap keterampilan proses sains kelas XI SMA Negeri 6 Metro yakni pada signifikasi diperoleh nilai Sig. sebesar $0.000 < 0,05$. Dari penelitian dilakukan dapat diperoleh kesimpulan bahwa adalah terdapat pengaruh positif penggunaan model *project based learning* terhadap aktivitas belajar yang ditunjukkan dari hasil uji hipotesis, signifikasi diperoleh nilai Sig. sebesar $0.000 < 0.05$. Terdapat pengaruh positif penggunaan model *project based learning* terhadap keterampilan proses sains, yang ditunjukkan dari hasil uji hipotesis, signifikasi diperoleh nilai Sig. sebesar $0.000 < 0.05$.

Kata kunci: Model *project based learning*, aktivitas belajar, keterampilan proses sains.

ABSTRACT

The aim of this research was to determine the influence of the project based learning model on the learning activities of class XI students at SMA Negeri 6 Metro, to determine the influence of the project based learning model on the science process skills of class This research was conducted using a true experimental design. Determining the sample using the cluster random sampling technique selected was class XI 1 as the experimental class, class XI 4 as the control class. The data collection technique used was an observation sheet to measure learning activities and science process skills in the experimental class and control class. The observation instrument used is a grid of observation sheets. To test and analyze the hypothesis in this research, the independent t-test was used. The results of the research show the influence of the project based learning model on the learning activities of class XI SMA Negeri 6 Metro, namely the significance obtained by the Sig value. equal to $0.000 < 0.05$. There is an influence of the project based learning model on the science process skills of class XI SMA Negeri 6 Metro, namely on the significance obtained by the Sig value. equal to $0.000 < 0.05$. From the research carried out, it can be concluded that there is a positive influence of the use of the project based learning model on learning activities as shown by the results of the hypothesis test, the significance value obtained is Sig. equal to $0.000 < 0.05$. There is a positive influence of using the project based learning model on science process skills, as shown by the results of the hypothesis test, the significance value obtained is Sig. of $0.000 < 0.05$.

Keywords: Project based learning model, learning activities, science process skills.