

**PENGARUH MODEL *PROJECT BASED LEARNING* (PjBL)
BERBANTUAN *GOOGLE CLASSROOM* DAN *VIDEO CONFERENCE*
TERHADAP HASIL BELAJAR MATEMATIKA SISWA KELAS XI DI
SMA NEGERI 1 SELEMADEG**

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ABSTRAK

Penggunaan model pembelajaran yang berorientasi pada pengerjaan proyek di situasi pandemi seperti saat ini sangat diperlukan. Dalam pengerjaan proyek siswa akan dapat membentuk sendiri pengetahuannya dan dapat mengaplikasikannya untuk menyelesaikan proyek. Dengan model *project based learning* ini dirasa dapat meningkatkan hasil belajar siswa. Dalam pelaksanaan pembelajaran didukung oleh media pembelajaran *google classroom* dan *video conference*. dengan demikian tujuan penelitian ini adalah untuk menganalisis pengaruh model *project based learning* berbantuan *google classroom* dan *video conference* terhadap hasil belajar matematika. Penelitian ini termasuk eksperimen. Populasi penelitian adalah siswa kelas XI MIPA di SMA Negeri 1 Selemadeg. Penelitian ini menggunakan 2 kelas sampel yang ditentukan menggunakan teknik *cluster random sampling* dan diperoleh kelas eksperimen (XI MIPA 1) dan kelas kontrol (XI MIPA 2). Penelitian ini menggunakan *posttest only control group design*. Berdasarkan hasil analisis data menunjukkan bahwa rata-rata skor *posttest* pada kelas eksperimen adalah 74,3 serta kelas kontrol 63,1. Pengujian hipotesis dilakukan menggunakan uji-t dengan alat bantu SPSS versi 22.0 for windows dengan taraf signifikansi $\alpha = 0,05$ Hasil pengujian hipotesis menunjukkan nilai signifikansi $(0,01) < 0,05$, artinya bahwa hasil belajar matematika siswa kelas XI di SMA Negeri 1 Selemadeg yang dibelajarkan dengan model *project based learning* berbantuan *google classroom* dan *video conference* lebih tinggi dibandingkan dengan hasil belajar matematika siswa yang dibelajarkan dengan menggunakan pembelajaran konvensional

Kata Kunci: PjBL, Hasil Belajar Matematika, *google classroom*, *video conference*

**THE INFLUENCE OF THE PROJECT BASED LEARNING (PjBL)
MODEL ASSISTED BY GOOGLE CLASSROOM AND VIDEO
CONFERENCING ON THE MATHEMATICS LEARNING OUTCOMES
OF CLASS XI STUDENTS AT SMA NEGERI 1 SELEMADEG**

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ABSTRACT

The use of a learning model that is oriented towards project work in a pandemic situation like today is very necessary. In working on the project, students will be able to form their own knowledge and be able to apply it to complete the project. With this project-based learning model, it is felt that it can improve student learning outcomes. In the implementation of learning, it is supported by google classroom learning media and video conferencing. thus the purpose of this study is to analyze the influence of project-based learning models assisted by Google Classroom and video conferencing on mathematics learning outcomes. This research includes experiments. The research population is students of class XI MIPA at SMA Negeri 1 Selemadeg. This study used 2 sample classes determined using cluster random sampling techniques and obtained experimental classes (XI MIPA 1) and control classes (XI MIPA 2). This study used a posttest only control group design. Based on the results of data analysis, it shows that the average posttest score in the experimental class is 74.3 and the control class is 63.1. Hypothesis testing was carried out using a t-test with the SPSS tool version 22.0 for windows with a significance level of $\alpha = 0.05$. The results of hypothesis testing showed a significance value $(0.01) < 0.05$, meaning that the mathematics learning outcomes of class XI students at SMA Negeri 1 Selemadeg who were taught with a project-based learning model assisted by google classroom and video conference were higher than the mathematics learning outcomes of students who were taught using learning Conventional

Key words : Project-based Learning, Learning outcome, *google classroom, video conference*