

PENGARUH MODEL *PROJECT BASED LEARNING* TERINTEGRASI *GOOGLE SITE* TERHADAP MOTIVASI BELAJAR DAN KEMAMPUAN PEMECAHAN MASALAH

(Yani Kristiani, 2026)

ABSTRAK

Penelitian ini dilatarbelakangi oleh rendahnya motivasi belajar dan kemampuan pemecahan masalah siswa pada pembelajaran IPAS di SMK. Penelitian ini bertujuan untuk mengetahui pengaruh penerapan model *Project Based Learning* (PjBL) terintegrasi *Google Site* dengan produk limbah kayu terhadap motivasi belajar dan kemampuan pemecahan masalah siswa pada pembelajaran IPAS kelas X jurusan kriya kayu dan rotan di SMK Negeri 3 Kota Tasikmalaya. Metode penelitian yang digunakan adalah metode eksperimen dengan desain *nonequivalent control group design*. Sampel penelitian terdiri dari dua kelas, yaitu kelas eksperimen yang menggunakan model *Project Based Learning* terintegrasi *Google Site* dan kelas kontrol yang menggunakan model *Project Based Learning*. Teknik pengumpulan data dilakukan melalui angket motivasi belajar dan tes kemampuan pemecahan masalah. Analisis data menggunakan uji ANCOVA untuk pengujian secara univariat dan uji MANCOVA untuk pengujian secara simultan setelah uji prasyarat terpenuhi. Hasil penelitian menunjukkan bahwa seluruh hipotesis diterima dengan nilai signifikansi (Sig.) $0,000 < 0,05$, yang berarti penerapan model *Project Based Learning* (PjBL) terintegrasi *Google Site* berpengaruh signifikan terhadap motivasi belajar dan kemampuan pemecahan masalah siswa, baik secara parsial maupun simultan.

Kata Kunci: *Project Based Learning*, *Google Site*, motivasi belajar, kemampuan pemecahan masalah, IPAS.

THE EFFECT OF THE GOOGLE SITE–INTEGRATED PROJECT BASED LEARNING MODEL ON LEARNING MOTIVATION AND PROBLEM-SOLVING ABILITY

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ABSTRACT

This study was motivated by the low level of students' learning motivation and problem-solving ability in IPAS learning at vocational high school. One effort to overcome this issue is by implementing an innovative learning model that actively involves students in the learning process. This study aims to determine the effect of implementing the Project Based Learning (PjBL) model integrated with Google Sites using wood waste products on students' learning motivation and problem-solving ability in IPAS learning for Grade X students of the Wood and Rattan Craft major at SMK Negeri 3 Tasikmalaya. The research method used was an experimental method with a nonequivalent control group design. The sample consisted of two classes, namely an experimental class using the Project Based Learning model integrated with Google Sites and a control class using the Project Based Learning model. Data were collected through a learning motivation questionnaire and a problem-solving ability test. Data analysis was conducted using ANCOVA to examine the effect partially and MANCOVA to examine the effect simultaneously, after fulfilling the prerequisite tests. The results showed that all hypotheses were accepted with a significance value (Sig.) of $0.000 < 0.05$, indicating that the implementation of the Project Based Learning (PjBL) model integrated with Google Sites had a significant and effective effect on improving students' learning motivation and problem-solving ability, both partially and simultaneously. These findings indicate that project-based learning integrated with digital technology can create a more active, contextual, and meaningful learning experience for students.

Keywords: Project Based Learning, Google Site, learning motivation, problem-solving ability, IPAS.