

PENGARUH MODEL PEMBELAJARAN *PROJECT BASED LEARNING* (PjBL) TERHADAP HASIL BELAJAR SISWA PADA PEMBELAJARAN IPA MATERI TATA SURYA KELAS V SD NEGERI 101835 BINGKAWAN T.P 2025/2026

ABSTRAK

Penelitian ini bertujuan untuk mengetahui pengaruh model pembelajaran Project Based Learning (PjBL) berbantuan media tata surya terhadap hasil belajar siswa kelas V SD Negeri 101835 Bingkawan T.P 2025/2026. Jenis penelitian ini adalah eksperimen dengan desain yang melibatkan pemberian pre-test dan post-test kepada subjek penelitian. Populasi dan sampel dalam penelitian ini adalah seluruh siswa kelas V SD Negeri 101835 Bingkawan yang berjumlah 13 orang. Instrumen pengumpulan data menggunakan tes pilihan berganda yang telah melalui uji validitas, menghasilkan 6 butir soal valid sebagai alat ukur penelitian. Hasil analisis data menunjukkan adanya peningkatan hasil belajar yang signifikan setelah penerapan model PBL dengan proyek pembuatan model tata surya 3D. Rata-rata nilai pre-test siswa sebesar 46,15 meningkat menjadi 64,62 pada post-test. Uji prasyarat menunjukkan bahwa data berdistribusi normal dan memiliki varians yang homogen. Berdasarkan hasil uji hipotesis menggunakan uji-t, diperoleh nilai t Hitung sebesar 11,12 yang lebih besar dari t tabel yaitu 2,179 pada taraf signifikansi $\alpha=0,05$ ($21,12 > 2,179$). Hal ini membuktikan bahwa H_0 diterima, yang berarti terdapat pengaruh yang signifikan dari penerapan model Project Based Learning (PjBL) terhadap hasil belajar IPA materi tata surya. Media pembelajaran yang digunakan mampu memvisualisasikan konsep abstrak menjadi konkret sehingga meningkatkan motivasi dan keterlibatan aktif siswa.

Kata Kunci : Project Based Learning (PjBL), Media Tata Surya, Hasil Belajar IPA

**THE EFFECT OF PROJECT BASED LEARNING (PJBL) MODEL ON
STUDENTS' LEARNING OUTCOMES IN SCIENCE LEARNING
ON THE SOLAR SYSTEM MATERIAL OF GRADE V
OF STATE ELEMENTARY SCHOOL 101835
BINGKAWAN ACADEMIC
YEAR 2025/2026**

ABSTRACT

This study aims to determine the effect of Project Based Learning (PjBL) learning model assisted by solar system media on learning outcomes of grade V of State Elementary School 101835 Bingkawan ACADEMIC YEAR 2025/2026. This type of research is an experiment with a design that involves giving pre-tests and post-tests to research subjects. The population and sample in this study were all 13 students of grade V of State Elementary School 101835 Bingkawan. The data collection instrument used a multiple-choice test that had gone through a validity test, resulting in 6 valid questions as a research measuring tool. The results of data analysis showed a significant increase in learning outcomes after the implementation of the Project Based Learning (PjBL) model with a 3D solar system model project. The average pre-test score of students was 46.15, increasing to 64.62 in the post-test. The trial test showed that the data were normally distributed and had homogeneous variance. Based on the results of the hypothesis test using the t-test, the t-count value was 21.12, which was greater than the t-table, which was 2.179 at a significance level of α 0.05 ($21.12 > 2.179$). This proves that H_a is accepted, which means there is a significant influence of the implementation of the Project Based Learning (PjBL) model on science learning outcomes of the solar system material. The learning media used are able to visualize abstract concepts into concrete ones, thereby increasing students' motivation and active involvement.

Keywords : *Project Based Learning (PjBL), Solar System Media, Science Learning Outcomes.*