

**THE EFFECT OF PROBLEM BASED LEARNING MODEL ON
IMPROVING THE LEARNING OUTCOMES OF SCIENCES
USING WORDWALL MEDIA OF GRADE III STUDENTS**

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ABSTRACT

This study is driven by the poor learning results of grade III students at SDN 125 Taruna Karya, Bandung City, for the Academic Year 2024/2025 stemming from a teacher centered approach. This renders students merely passive recipients of content and education that fails to engage them in the learning process. This study aimed to identify the implementation and impact of the Problem Based Learning (PBL) model supported by Wordwall media on the academic performance of third-grade students at SDN 125 Taruna Karya. This research employs a Quasi Experimental design featuring a comparison group. The sample consisted of all 49 class III students from SDN 125 Taruna Karya. The study sample included two groups: III B with 20 students serving as the experimental class utilizing the Problem Based Learning model supported by Wordwall media, and III A with 20 students acting as the control class. The findings from this study employing the Problem Based Learning model indicated that from the first meeting to the third meeting, the implementation was successful, with an average pretest score of 53.30 and a posttest score of 78.80, whereas the control class achieved an average pretest score of 43.20 and a posttest score of 61.75. Additional research examines the impact of the Problem Based Learning model supported by Wordwall media on the academic performance of third-grade students at SDN 125 Taruna Karya regarding the topic of identifying energy sources. Based on the computation of the t Sig. Test. (2-tailed) of $0.000 < 0.05$ indicates that, in the decision-making process of the independent sample t-test, the hypothesis test concludes that H_0 is rejected and H_a is accepted. And conducting tests with Effect Size of 1.93 within a large category. Thus, it can be inferred that the Problem Based Learning model facilitated

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