

***THE EFFECT OF USING THE PROBLEM BASED LEARNING MODEL  
ON STUDENT ACTIVITY AND LEARNING OUTCOMES OF STUDENTS  
AT SDN 6 CIBOGO KECAMATAN LEMBANG***

***(Quantitative Experimental Study of Learning Models on Student Activity and  
Learning Outcomes of 5th Grade Students at SDN 6 Cibogo, Lembang  
Subdistrict)***

***By***

**RAKA ADAM RAMADAN**

**165060048**

***ABSTRACT***

*This study examines the influence of the Problem Based Learning (PBL) instructional model on learning outcomes and student activity regarding the topic of Solid Geometry (Cubes and Rectangular Prisms) in the 5th grade of SDN 6 CIBOGO during the academic year 2022/2023. An experimental method with a control group was employed. The analysis results indicate that students who received instruction through the PBL model achieved better learning outcomes and higher learning activity compared to students who received conventional instruction. The average scores of activity and learning outcomes statistically differ significantly with a value of  $p < 0.05$ . The suggestions drawn from this study are for students to utilize the PBL model in studying solid geometry as this model encourages activity and critical thinking skills. For teachers, it is recommended to understand the syntax of the PBL model in order to achieve the learning objectives. Collaboration between teachers and students is crucial for the success of this instructional model. Schools should provide facilities that support the implementation of the PBL model, especially technology. For future researchers, it is advised to continue similar studies to optimize the obtained results.*

*Keywords: Problem Based Learning, learning outcomes, student activity.*