

**THE USE OF PROBLEM BASED LEARNING TO IMPROVE  
CONFIDENCE AND STUDENT LEARNING OUTCOMES IN THE SUB  
THEME OF ENERGY SOURCES**

**(Classroom Action Research In Grade 4 SDN Cimincrang Gedebage Sub  
District Bandung)**

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**ABSTRACT**

This study aims to improve the confidence and learning outcomes of students on the subtheme of energy resources in the fourth grade SDN 086 Cimincrang District Gedebage Bandung by using problem based learning model. This research is based on the findings in the observation activities that describe the low confidence and the students' learning outcomes that have not met the established KKM. The method used is Research Action Class (PTK) Kemmis and Mc Taggart model with three cycles, each cycle consists of 4 stages of planning, implementation and observation, evaluation and analysis and reflection. Instruments used in this study are tests, observation sheets, interviews, questionnaires and documentation. From the results of classroom action research conducted, student learning outcomes have increased, in cycle I get the value with the percentage of 53.71%, the second cycle of 76%, and the third cycle of 90.74% with the average value in cycle I for 65,37, cycle II 73,34, and cycle III 85,55. The students' self-esteem got value in cycle I with percentage of 44,45%, second cycle was 70,37% and cycle III was 94,45% with the average value in cycle I was 65,94, cycle II 76,73 % and cycle III 89,75. Conclusion from this research is the use of problem-based learning model can improve the self-confidence and student learning outcomes in energy source subtema. Thus the use of problem-based learning model can be used as an alternative learning approach to be applied in elementary school.

**Keyword:** Problem Based Learning, Confidence, Student Learning Outcomes.