

**THE EFFECT OF PROJECT BASED LEARNING MODEL ASSISTED BY
SMART BOX MEDIA ON THE CREATIVE THINKING ABILITY OF IPAS
STUDENTS IN GRADE V ELEMENTARY SCHOOL**

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ABSTRACT

The background of this study is the low level of creative thinking skills among fifth-grade elementary school students. This study aims to determine the effect of the Smart Box-assisted Project Based Learning model on the creative thinking skills of fifth-grade elementary school students. This study uses a quantitative approach with a quasi-experimental research design. Data collection techniques include pre-tests and post-tests. The sample used in this study was fifth-grade students. The learning process using the Project-Based Learning model assisted by Smart Box media became an effective learning model for developing students' creative thinking skills in elementary schools. This can be seen from the average pretest scores of the experimental class, which was 60.18, compared to the average pretest scores of the control class, which was 52.18. After the intervention, the average posttest scores of the experimental class were 83.94, compared to the average posttest scores of the control class, which were 75.71. The data indicates an increase in the average posttest score in the experimental class compared to the average posttest score in the control class. The researcher used an Independent Sample T-test to examine the effect. The result of the Independent Sample T-test was $0.002 < 0.05$, and the effect size test yielded a value of 1.136, which is categorized as large, meaning there is a significant effect on the creative thinking ability of IPAS students, consistent with the decision to reject the null hypothesis (H_0) and accept the alternative hypothesis (H_a). Thus, there is a significant and large effect of the Smart Box Media-Assisted Project-Based Learning Model on the creative thinking ability of IPAS students in fifth grade elementary school. Additionally, technical challenges were identified, including limitations in the facilities provided by the school and challenges related to student characteristics.

Keywords: Project Based Learning Model, Smart Box Media and Creative Thinking