THE EFFECT OF THE Problem Based Learning MODEL ASSISTED BY THE Quizizz APPLICATION MEDIA ON SCIENCE LEARNING OUTCOMES OF THIRD GRADE ELEMENTARY SCHOOL STUDENTS

By:

Melvi Khoerun Nisa
215060051

ABSTRACT

This research is motivated by the low learning outcomes of third-grade students at SDN 162 Warung Jambu in the 2024/2025 academic year. This is caused This research was motivated by the low learning outcomes of Grade III students at SDN 162 Warung Jambu in the 2024/2025 academic year. This was caused by the use of a teacher-centered learning model in the control class, which resulted in students being less actively involved in the learning process. To address this problem, a Problem Based Learning (PBL) model combined with the interactive media Quizizz was implemented to increase student engagement and learning outcomes. The aim of this research is to examine the implementation and the effect of the Problem Based Learning model assisted by Quizizz on students' learning outcomes. The method used is quasi-experimental with a nonequivalent control group design. The research sample consisted of two classes: Class III B as the experimental class using the Problem Based Learning model assisted by Quizizz, and Class III C as the control class using a teacher-centered learning approach, each with 20 students. The research results show a significant improvement in the experimental class's learning outcomes, with the average pretest score increasing from 61 to 85.5 in the posttest. Meanwhile, in the control class, the average score only increased from 44.75 to 55.75. The independent samples t-test indicated a significant difference between the two classes, and an effect size value of 2.96 indicated a very high level of impact. Therefore, the Problem Based Learning model assisted by Quizizz has proven to be effective and has a strong positive impact on improving student learning outcomes.

Keywords*: Problem Based Learning, Quizizz, Learning Outcomes,SDN 162 Warung Jambu*