

**THE EFFECT OF PROBLEM BASED LEARNING MODEL WITH
GENIALLY INTERACTIVE MEDIA ON LEARNING MOTIVATION IN
SCIENCE OF ELEMENTARY SCHOOL STUDENT**

By

NASYWA AZ-ZAHRA

225060015

ABSTRACT

This study was motivated by the low level of student motivation in science education at the elementary school level. The objectives of this study are to describe the learning process using the Problem-Based Learning (PBL) model supported by the Genially digital platform, to determine differences in student learning motivation between those using this model and those using the Direct Instruction model, and to measure the extent of its impact on the learning motivation of fourth-grade elementary school students in science subject. This study uses a quantitative approach with a quasi-experimental design. Data collection was conducted through observation and the distribution of questionnaires consisting of a pretest and a posttest. The results of the data analysis indicate that the learning process in the experimental class, which utilized a problem-based learning model supported by the interactive Genially platform for the topic of the life cycle of living organisms, was highly effective. This was proven through hypothesis testing using an independent sample t-test on posttest data, which yielded a significance level of $0.000 < 0.05$, indicating a significant difference in learning motivation levels between the experimental and control classes. Furthermore, the effect size test results showed a Cohen's d value of 0.948, which falls into the large category. The use of the problem-based learning (PBL) model and Genially media has been proven to significantly help students understand problems well, visualize issues, and grasp abstract concepts related to the six indicators of learning motivation: the presence of desire and the will to succeed, the presence of drive and the need to learn, the presence of hopes and future aspirations, the presence of rewards in learning, engaging learning activities, and a conducive learning environment. Thus, it can be concluded that the combination of the PBL model and Genially media has a significant and effective impact on enhancing elementary students' learning motivation in science subject.

Keywords: Problem-Based Learning Model, Genially, Learning Motivation, Science Subject