

ABSTRACT

REGITA ROSMAWATI, 2026. ***THE EFFECT OF PROJECT BASED LEARNING MODEL ASSISTED BY CLASS DOJO ON CREATIVE THINKING SKILLS AND PROBLEM-SOLVING ABILITY (Experimental Study on Ecosystem Material in Class X SMAN 1 Kawali Academic Year 2024/2025)***. Biology Education Study Program, Faculty of Teacher Training and Education, Universitas Siliwangi, Tasikmalaya.

Biology learning, especially ecosystem material, is still considered difficult by students, while the learning models and media used are not optimal in developing creative thinking skills and problem-solving abilities. This study aims to determine the effect of the PJBL model assisted by class dojo on students' creative thinking skills and problem-solving abilities on ecosystem material in class X of SMAN 1 Kawali in the 2024/2025 academic year. The method used is a quasi-experimental design with a Nonequivalent pretest-posttest control group design. The population in this study was all class X of SMAN 1 Kawali in the 2024/2025 academic year, consisting of 12 classes with a total of 429 students. Sampling used a purposive sampling technique, so that class X-8 was selected as the experimental class, X-2 as the positive control class, and X-3 as the negative control class. The determination of the experimental class, positive control class, and negative control class was done randomly. Data collection used a essay test of 12 questions for creative thinking skills and 10 questions for problem-solving abilities that had been tested for validity and reliability. Data were analyzed with prerequisite tests using the Kolmogorov-Smirnov test for normality and Levene's Test for homogeneity. Hypothesis testing on creative thinking skills used the Quade Rank Analysis of Covariance test. While for problem-solving abilities used the Ancova test. The significance value of creative thinking skills was 0.039 and problem-solving abilities was 0.003, both of which were below the significance limit of 0.05 ($p < 0.05$) so H_0 was rejected. This shows that the PJBL model assisted by class dojo has a good effect in improving students' creative thinking skills and problem-solving abilities on ecosystem material in class X of SMAN 1 Kawali in the 2024/2025 academic year.

Keywords: Project-Based Learning, ClassDojo, Creative Thinking Skills, Problem-Solving Ability