

ABSTRACT

RUBY DEWANTIE 2025 THE EFFECT OF DISCOVERY LEARNING MODEL ASSISTED BY WORDWALL APPLICATION ON STUDENTS' INTERESTS AND LEARNING OUTCOMES IN BIOTECHNOLOGY MATERIAL (Experimental Study in Class X of SMA Negeri 9 Tasikmalaya Academic Year 2024/2025).

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This study aims to determine the effect of the discovery learning model assisted by a wordwall application on students' interests and learning outcomes in biotechnology material. The method used is a quasi-experimental. This study was conducted at SMA Negeri 9 Tasikmalaya in the 2024/2025 academic year with the population being all grade X consisting of 9 classes and samples taken based on purposive sampling techniques so that the selected classes were grades X-4 as the experimental class and X-2 as the control class. The data collection technique was carried out using a learning outcome test of 36 multiple choice questions and a learning interest questionnaire of 34 questions. The results showed that the average score of learning interest in the experimental class was 121 and the control class was 94.9 while the average score of learning outcomes in the experimental class was 27.68 and the control class was 20.21. The significant difference between learning interest and learning outcomes in the experimental class and the control class showed the effectiveness of this model. This was reinforced by the results of the independent t-test analysis which showed a significance value of $0.000 < 0.05$ so H_0 was rejected. So the results of the study show that there is an influence of the discovery learning model assisted by the wordwall application on the interests and learning outcomes of students in biotechnology material in class X of SMA Negeri 9 Tasikmalaya.

Keywords: Discovery Learning; Wordwall; Learning Interest; Learning Outcomes; Biotechnology