

***THE USE OF PROJECT BASED LEARNING (PJBL) LEARNING MODEL  
TO IMPROVE STUDENT LEARNING RESULTS OF HIGH SCHOOLS IN  
CLASS X BIOLOGICAL  
DIVERSITY MATERIAL***

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***ABSTRACT***

*This study aims to determine the use of Project Based Learning (PjBL) learning models to improve student learning outcomes in class X at SMAN 1 Pebayuran. The subjects in this study were class X SMAN 1 Pebayuran. The sample in this study were 36 students. The method used is Pre-Experimental Design in the form of One Group-Pretest Posttest Design. The parameters measured are cognitive and psychomotor aspects. The instrument in this study used a multiple choice test with 30 questions, and Student student sheets. Based on the results of the N-Gain test obtained an average of 0.52 in the medium category and obtained the highest value of 92 and the lowest value of 56. Based on the results of statistical tests with the t-test a significant level of 0.05 significantly improved student learning outcomes, this shows that at PES Learning Models such as discussion activities, problem solving, project creation and presentations can improve thinking skills at the cognitive level C1 (Remember) C2 (Understanding) C3 (Application) C4 (Analysis). The results of the assessment on the psychomotor aspects of the 7 indicators namely gathering information, Arranging Institutions, Manufacturing Process, Data processing techniques, planning, scheduling, making projects, evaluating the presentation of results, on the batten value 3.54 - 3.86 in the category of good and very good things this shows the effective project-based learning model of improving students' (Psychomotor) skills in learning. Overall it can be concluded that the Project Based Learning learning model can improve learning outcomes and become a feed back (feedback) for the psychomotor success of students.*

***Keywords: Project based learning model, Learning Outcomes***