APPLICATION OF **TWO STAY – TWO STRAY MODELS ON COORDINATION SYSTEM LEARNING TO IMPROVE CRITICAL THINKING OF XI MIPA CLASS STUDENTS AT SMA PGRI 1 BANDUNG**

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**ABSTRACT**

This research was conducted based on the background of the student low ability to think critically on biological material, especially in class XI MIPA SMA PGRI 1 Bandung. This is because the learning process still uses the lecture method, so 60% of students get grades under the KKM 75. This study aims to obtain information on whether the use of the **two stay – two stray** learning model as a learning process can improve student critical thinking skills at SMA PGRI 1 Bandung. The method used in this study is the **Quasi Experimental design** method. The results of the research data were obtained by **pretest** and **posttest** method. Instrument in this study was an essay tests of 12 question. The results of this research are then analyzed using the help of **IBM SPSS 20.00 for Windows** software program which includes normality test, homogeneity test and hypothesis test (t test). Based on the results of the analysis and the hypothesis of the posttest using the t test obtained the significance value on the **Sig. (2-tailed)** that is equal to 0.000, so the value of \( \frac{1}{2} \) significance \(<0.05\), then the hypothesis (Ha) is accepted and the null hypothesis (Ho) is rejected. This shows that the use of the **two stay – two stray** model can improve student critical thinking skills in the coordination system material.

Keywords: **Two Stay–Two Stray**, Critical Thinking Ability, Coordination System.