

ABSTRACT

ELIS NURHAYATI 2024. *THE EFFECT OF RICOSRE MODEL ON THE ACADEMIC RESILIENCE AND COGNITIVE LOAD OF CLASS XI MIPA STUDENTS IN BIOLOGY LEARNING (Experimental Study in Class XI MIPA SMAN 2 Tasikmalaya Academic Year 2023/2024)*

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This research aims to determine the effect of the RICOSRE model on the academic resilience and cognitive load of class XI MIPA students in biology learning at SMAN 2 Tasikmalaya. The research method used is quasi experiment. The population in this sample is the entire class XI MIPA SMAN 2 Tasikmalaya, totaling 282 students. Samples were taken using a purposive sampling technique and obtained class XI MIPA 7 as the experimental class and XI MIPA 8 as the control class. Data collection was carried out using an academic resilience questionnaire with 28 statements and a cognitive load questionnaire with 40 statements. The data analysis technique used is the one-way ANOVA test using SPSS version 23 for Windows with a significance level of 0.05. Based on the results of data analysis and hypothesis testing, a significance value of $0.027 < 0.05$ was obtained, meaning that there was an influence of the RICOSRE learning model on the academic resilience and cognitive load of class XI MIPA students at SMAN 2 Tasikmalaya. So this RICOSRE model can be used as an alternative choice of learning model for teachers because it can influence students' resilience and cognitive load.

Keywords: *RICOSRE Model, Academic Resilience, Cognitive Load*