

ABSTRACT

SHOFIATUN NADA. 2024. **THE EFFECT OF RICOSRE LEARNING MODEL ASSISTED BY FISHBONE DIAGRAM ON STUDENTS' CRITICAL THINKING SKILLS IN BIOLOGY LEARNING (Experimental Study in Class XI MIPA of SMA Negeri 1 Singaparna Academic Year 2023/2024)**. Department of Biology Education. Faculty of Teacher Training and Education, Siliwangi University.

This study aims to determine the effect of RICOSRE learning model assisted by fishbone diagram on critical thinking skills of students in class XI MIPA SMA Negeri 1 Singaparna. The research method used is a quantitative method with the type of quasi experiment with the research design of the non-equivalent pretest-posttest control group design. The population in this sample is the entire class XI MIPA SMA Negeri 1 Singaparna which amounted to 8 classes, with the sample used as many as 3 classes. The sample was taken with purposive sampling technique, so that XI MIPA 8 class was obtained as the experimental class, XI MIPA 7 class as the positive control class, and XI MIPA 6 class as the negative control class. The instrument used in this study was a 12-item critical thinking skills test. The data analysis technique used is the ANCOVA (Analysis of Covariance) test with a significance level of $\alpha = 0.05$. Based on the results of data analysis and hypothesis testing, the significance value is $0.000 < 0.05$, meaning that there is an effect of the RICOSRE model assisted by fishbone diagrams on students' critical thinking skills. The results of further tests with the Least Significant Difference (LSD) test found that there were differences between the three classes with a corrected average value in the experimental class of 74.19 superior in improving critical thinking skills. From the results of this study it can be concluded that the RICOSRE learning model assisted by fishbone diagrams affects the critical thinking skills of students on the material of the human respiration system.

Keywords: *RICOSRE, Fishbone Diagram, Critical Thinking Skills, Human Respiration System*