ABSTRACT

GINA PUSPITA, 2023. *The Influence of the Argument Driven Inquiry Learning Model on Students' Critical Thinking Ability on the Concept of Plant Tissues (Experimental Study for* **Class XI MIPA SMA Negeri 9 Tasikmalaya** *Academic Year 2023/2024). Thesis, Department of Biology Education, Faculty of Teacher Training and Education, Siliwangi University.*

This research aims to determine the effect of the Argument Driven Inquiry learning model on students' critical thinking abilities on the concept of plant tissue in class XI MIPA SMA Negeri 9 Tasikmalaya in the 2023/2024 academic year. The research method used is quasi experimental. The population in this study was all 4 classes of class XI MIPA SMAN 9 Tasikmalaya for the 2023/2024 academic year with a total of 143 students. The sampling technique used was purposive sampling, class XI MIPA 4 was obtained as the experimental class and class XI MIPA 3 was the control class. The critical thinking ability data collection technique uses 15 essay questions. The data analysis used was the t test. The analysis results show that the significance value is <0.05. The findings of the research are that the use of the Argument Driven Inquiry model can have a good influence in maximizing students' critical thinking abilities compared to the application of the Discovery Learning learning model. So it can be concluded that there is an influence of the Argument Driven Inquiry learning model on students' critical thinking abilities on the concept of plant tissue in class XI MIPA SMA Negeri 9 Tasikmalaya academic year 2023/2024.

Keywords*: Critical Thinking Ability, Argument Driven Inquiry, Plant Tissue.*