

ABSTRACT

Windy Mutiara Selatan. 2021. The Use of the Discovery Learning Model in the Excretions System Concept to Improve Students' Critical Thinking Ability. Supervised by Dr. Uus Toharudin, M.Pd., Dr. Riandi, M.Si.

Critical thinking is an ability that everyone has to analyze ideas or ideas in a more specific direction. Critical thinking is also a process for making rational decisions, one way to improve students' critical thinking skills is by using the discovery learning model. This study aims to prove that the discovery learning model can improve students' critical thinking skills on the concept of excretory Sistem material. This study uses an experimental method with a research design of Nonequivalent Control Group Design. The population in this study were students of class XI MIPA 1 and XI MIPA 2 at SMAN 1 Sukanagara. The results of the research in the experimental class showed that the students' prior knowledge of the Excretory Sistem material determined through the pretest showed an average score of (47.3), while the knowledge after learning using the discovery learning model determined through the posttest showed an average score (79.9). The category of increasing students' critical thinking is determined through the calculation of N-gain. Students who enter the category of High (45.8), Medium (45.8), and Low (8.33). So it can be said that discovery learning models can improve students' critical thinking skills by increasing students' critical thinking skills after using the discovery learning model in the High and Medium categories.

Keywords: Critical Thinking, Model Discovery Learning