

ABSTRACT

Rena Fauzi Yuliyani, 2020, Analysis of the *Process Oriented Guided Inquiry Learning* Oriented Local Wisdom to Improve Students' Critical Thinking Ability

Guided by. Dr. H. Uus Toharudin, M. Pd., Dr. H. Riandi, M. Si.

Learning in the 21st century requires students to think at a high level, namely by thinking critically. In biology learning, students must have the ability to think critically in discovering new concepts and solving problems. A way to improve students' critical thinking skills with the help of the POGIL model oriented to local wisdom. In this study, the aim of this research is to find out that the POGIL model oriented to local wisdom can improve students' critical thinking skills. The method used in this research is literature study by analyzing several articles related to the same variables. The results of the analysis of the analysis results from the implementation of the POGIL model obtained a percentage of more than 70% which is categorized as moderate. The results obtained from the students' critical thinking skills were measured through the critical thinking aspect, three aspects that were categorized as high, namely interpretation, analysis, and inference. Indicators that are categorized as adequate are evaluation indicators, and are categorized as low explanations. The relationship between local wisdom and learning biology through measuring N-gain which indicates an increase in student learning outcomes. Therefore, the results show that the POGIL model oriented to local wisdom can improve students' critical thinking skills. The benefit of this research is to find out the results of the POGIL model oriented to local wisdom to improve students' critical thinking abilities.

Keywords : POGIL Model, Local Wisdom, and Critical Thinking