ABSTRACT

Morina Silalahi. 2018. Application of Mini Research-Based Guided Inquiry Model to Improve Student Learning Outcomes in Membrane Transport Sub-Concepts. Supervisor I Prof. Dr. H. Toto Sutarto Gani Utari, M.Pd and Advisor II Cita Tresnawati, SPd., MPd.

This study aims to determine the effectiveness of guided inquiry models based on mini research to improve student learning outcomes in the membrane transport concept. This research was conducted on 30 July and 2 August 2018. The research method was Pre-Experiment Design using the One-Group Pretest-Posttest Design which is a research design. The Subjects of this study were students of class XI MIPA-1 in SMA Negeri 15 Bandung in the odd semester of 2018-2019 school year. The results of the study on cognitive aspects obtained an average pretest score of 34.45 and an average posttest score of 75.48 and the results of the N-Gain test obtained a score of 0.62 in the medium category. Affective aspects get an average score of 80 with good categories and psychomotor aspects get an average score of 80 with good categories. From the results of the research data it can be concluded that the application of the mini-inquiry guided inquiry model can improve student learning outcomes in the membrane transport sub-concept.

Keywords: Student Learning Outcomes, Guided Inquiry, Mini Research, Membrane Transport