

## ABSTRACT

Devi Wulan Sari. 2018. **WEB-Oriented Deductive Approach to Improve Information Literacy and Learning Outcomes on the Concept of Biodiversity**. Advisor 1 Cartonno, M. Pd., M.T and Advisor 2 Ida Yuyu Nurul Hizqiyah, S.Pd., M.Sc.

This study aims to determine whether learning with a web-oriented approach can improve information literacy and student learning outcomes on the concept of biodiversity. The research method used was Pre-Experiment Design using the One-Group Pretest-Posttest Design research design. The subjects of this study were determined by purposive sampling technique, namely students of class X MIPA 2 at SMA PGRI 1 Bandung in the odd semester of the 2018-2019 school year. The results of the study on cognitive aspects obtained an average pretest score of 49.85 and an average posttest score of 82.27 and the results of the N-Gain test obtained a score of 1.00 with a high category. Then, the results of the research on the affective aspects get an average score of 79.17 with a very good category and psychomotor aspects get an average score of 72.7 with a very good category. Meanwhile, the results of questionnaires from all students obtained a positive response of 77.47% with good criteria. From the research data, it can be concluded that learning a web-oriented deductive approach can improve information literacy and student learning outcomes on the concept of biodiversity.

**Keywords:** Deductive Approach, Web, Student Learning Outcomes, Information Literacy, Biodiversity.