ABSTRACT

NAILI NOERMILAH. The effect of using Mind Map based biological Pocket Book (BIOMAP) as a self-learning resource supplement on the ability to read comprehension and science literacy of high school students in the biology context on Fungi topic. Undergraduate Thesis. Jakarta: Biology Education Study Program, Faculty of Mathematics and Natural Sciences, State University of Jakarta, 2020. Under the guidance of ADE SURYANDA and EKA PUTRI AZRAI.

The use of basic learning resources without a learning source supplement makes students as passive readers and tends to present a monotonous impression in the learning process. This resulted in less optimal development of comprehension reading and science literacy students. One of the efforts that can be applied to improve the ability to read comprehension and science literacy is by using mind map based biological Pocket Book (BIOMAP) as a self-learning resource supplement. The purpose of the study was to know the effect of using mind map based Pocket Book (BIOMAP) as a self-learning resource supplement to the ability to read comprehension and science literacy of high school students in the biology context on Fungi topic. The research was conducted at SMA Negeri 1 Cibinong in October until November 2019. The research method used is the quasi experiment with pretest and posttest control group research design. The research sample included 140 students selected using simple random sampling technique. Based on the calculation result, data distribution is normal and homogeneous, and the dependent variables were very highly correlated. According to the major hypothesis testing this study showed that there was an effect of using mind map-based biological Pocket Book (BIOMAP) as a self-learning resource supplement on the ability to read comprehension and science literacy of high school students in the Biology context on fungi topic.

Keywords: biomap, comprehension reading ability, science literacy