



Development of Environmental Pollution Handling Flipbook Based on Surabaya Local Wisdom to Train Students' Ethno-conservation

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ABSTRACT

One of the efforts to deal with environmental pollution by exploring natural potentials and traditions in the local community is ethno-conservation education. This study aims to develop a flipbook of environmental pollution handling based on Surabaya's local wisdom to train students in Ethno-conservation. The type of research is Research and Development with the ADDIE model of Branch theory. Theoretical feasibility is reviewed from the results of expert validation, while empirical feasibility is examined from the readability test. The data obtained were analyzed by descriptive qualitative. The results obtained are a validation score of 3.88, a percentage of 97% and the category is excellent, and the legibility test is at level 10. Hence, the Flipbook has the potential to be used in learning the handling of environmental pollution based on Surabaya local wisdom to train students in ethno-conservation.

INTRODUCTION

One of the problems we face today is the declining quality of the environment. The fulfillment process to offset the increasing human growth, directly and indirectly, impacts environmental pollution problems. Human attitudes and behavior that are not anticipated with an environmental preventive approach will further exacerbate the ecological situation. Environmental pollution mainly comes from human activities due to attitudes and behavior toward nature (Erhabor & Don, 2016). It is often increasing in big cities. Surabaya City is the capital of East Java Province. The city of Surabaya is known as the second largest metropolitan city in Indonesia after Jakarta, with a rapid rate of population growth and development with a population of 2,971,300 people and an area of 328.8 km² (BPS, 2020). The strategic position of the city of Surabaya as the center of community economic activity in East Java and its surroundings has resulted in many large companies in the services, industry, and trade sectors being based in the city of Surabaya. This high productivity cannot be separated from environmental problems. Apart from increasing problem-solving skills, the introduction of nature Ethno-conservation needs to be instilled in students as the nation's next generation to minimize the impact of natural damage.

Ethno-conservation is a way for local people to take advantage of the biodiversity of flora and fauna and to preserve nature around their homes wisely, which has been passed down from generation to generation so that it becomes a tradition of the local community. The role of environmental education not only leads to the habituation of conservation actions and behaviors but also prioritizes the idea of real environmental improvements (Hamid, 2021). According to Arrosid et al. (2019), the 2013 curriculum has been developed in the revised 2017 curriculum. There have been several improvements,

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