



The Development of an E-book Based on Local Wisdom Around Bromo Tengger Semeru National Park to Train High School Students' Creative Thinking Skill

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ABSTRACT

Objective: This research aims to produce an e-book based on local wisdom on the use of medicinal plants by the people around Bromo Tengger Semeru National Park on plantae material to train students' creative thinking skills. **Method:** The research uses the ADDIE development model (analysis, design, development, implementation, and evaluation). Data retrieval through a validation process by three validators, namely education experts, material experts, and biology teachers, practicality through readability tests. **Results:** The results of the e-book validation get an average high score with very valid criteria. The practicality of the e-book is measured based on the readability test. The readability test results show the readability level at level 10 so that it is suitable for use by grade X students. **Novelty:** Students' creative thinking skills can be trained by integrating local wisdom with various learning media such as books, modules, and student worksheets, both printed and electronic.

INTRODUCTION

21st-century learning aims to develop and improve high-order thinking skills, for example, the ability to think creatively. Teachers are required to be able to facilitate the students so that they can practice these abilities. Creative thinking is an activity in which creativity appears in someone or thinking to produce something new for himself (Rachmantika & Wardono, 2019). Several indicators of creative thinking include fluency, flexibility, originality, and elaboration. Along with the era and student needs, teachers must be able to facilitate the ability of students, especially to practice 21st-century abilities and skills with appropriate learning media or teaching materials.

The teacher can use teaching materials that meet students' needs and existing conditions (Suprihatin & Manik, 2020). Interactive teaching materials such as e-books are appropriate because they have followed technological developments in their presentation. E-books take advantage of technological advances to be utilized in learning. E-books are published books in a digital or electronic form consisting of text, images, and multimedia that can be read on computers, laptops, smartphones, or other portable electronic devices (Alsadoon, 2020; Alsalhi et al., 2020; Saphira et al., 2023). E-books allow more student study time, where students can study the material being studied not only during these lesson hours. The presence of e-books is the right solution to be used as teaching materials that support online and offline teaching and learning

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