

ABSTRAK

**PENGEMBANGAN MEDIA PEMBELAJARAN *FLIPBOOK* DIGITAL
BERBASIS LITERASI SAINS PADA PERMASALAHAN PENCEMARAN
AIR BAGI KELAS V SD**

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Penelitian ini didasari oleh pengaruh globalisasi yang memunculkan masalah di bidang sains, rendahnya kemampuan literasi sains dalam pembelajaran, serta kurangnya penggunaan media pembelajaran digital berbasis sains. Tujuan penelitian ini adalah mengembangkan media pembelajaran *flipbook* digital berbasis literasi sains untuk membahas permasalahan air bagi siswa kelas V, serta mengetahui kualitas *flipbook* digital tersebut berdasarkan pendapat ahli dan guru kelas V SD.

Penelitian ini menggunakan jenis penelitian dan pengembangan (R&D) dengan model ADDIE. penelitian melibatkan tiga validator produk dan enam siswa kelas V SD untuk uji coba terbatas. Objek penelitian adalah *flipbook* digital berbasis literasi sains yang dirancang untuk melatih kemampuan literasi sains siswa,

Hasil penelitian menunjukkan bahwa 1). Pengembangan *Flipbook* digital berbasis literasi sains pada permasalahan pencemaran air bagi kelas V SD dikembangkan dengan lima tahap ADDIE yaitu *Analyze*, *Design*, *Develop*, *Implement*, dan *Evaluate*. 2) Kualitas *flipbook* digital berbasis literasi sains pada permasalahan pencemaran air telah divalidasi memperoleh skor rata-rata 3,37 dengan rentang skor 1-4 dengan kriteria sangat baik. Hasil uji coba tes *pre-test* peserta didik menunjukkan hasil 65,55% dengan kategori “sedang” pada tes *post-test* mengalami peningkatan menjadi 81,10% dengan kategori “tinggi”. Dengan demikian, *flipbook* digital berbasis literasi sains dapat diuji cobakan secara lebih luas.

Kata kunci: *flipbook* digital, literasi sains.

ABSTRACT**DEVELOPMENT OF DIGITAL FLIPBOOK MEDIA BASED ON
SCIENTIFIC LITERACY FOR WATER POLLUTION ISSUES IN FIFTH-
GRADE ELEMENTARY SCHOOL**

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The research is driven by the influence of globalization, which has brought about challenges in the field of science, low levels of science literacy in education, and a lack of utilization of digital learning media based on scientific knowledge. The aim of this study is to develop a digital flipbook learning media based on scientific literacy to address water-related issues for fifth-grade students, as well as to evaluate the quality of the digital flipbook according to expert opinions and fifth-grade elementary school teachers.

This research employs the Research and Development (R&D) method using the ADDIE model. The study involves three product validators and six fifth-grade elementary school students for a limited trial. The object of the research is a digital flipbook based on scientific literacy, designed to enhance students' science literacy skills.

The research findings show that: 1) the development of a digital flipbook based on scientific literacy for addressing water pollution issues in fifth-grade elementary school students was carried out through five stages of the ADDIE model Analyze, Design, Develop, Implement, and Evaluate. 2) The quality of the digital flipbook based on scientific literacy for water pollution issues was validated, receiving an average score of 3.37 on a scale of 1-4, categorized "very good". The results of the pre-test indicated a score of 65.55%, categorized as "moderate", while the post-test results showed an improvement to 81.10%, categorized as "high". Therefore, the digital flipbook based on scientific literacy can be further tested on a larger scale.

Keywords: digital flipbook, science literacy