



E-Book Development on 'Bhinneka Tunggal Ika' for Grade 5 at SDN 1 Sumberjo Kulon

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Abstract: This research aims to describe the level of validity, feasibility and process of making E-book teaching materials regarding Bhinneka Tunggal Ika in Pancasila lessons. This E-book teaching material is designed to provide students with an interesting and interactive visual experience that helps them understand the Bhinneka Tunggal Ika material better. This research uses the Analysis, Design, Development, Implementation, Evaluation (ADDIE) development model. The results of the feasibility trial of the Bhinneka Tunggal Ika E-book teaching materials, both media experts received an average score of 92% in the "very feasible" category. The assessment of the two meters experts obtained an average percentage of 96% in the "very feasible" category. Limited trials on 4 heterogeneous students obtained a percentage of 88.8% with the "very feasible" criteria and field trials on 20 students obtained an average percentage of 89.5% with the "very feasible" category. Teaching materials are categorized as very suitable for use if the media is appropriate to learning needs and can support the content of the learning material. The conclusion from this research that the E-book is valid and very suitable for use.

Keywords: *Development, Teaching Materials, E-Book, Bhinneka Tunggal Ika*

Abstrak: Penelitian ini bertujuan untuk mendeskripsikan tingkat kevalidan, kelayakan, dan proses pembuatan bahan ajar E-book materi Bhinneka Tunggal Ika pada pelajaran Pancasila. Bahan ajar E-book ini dirancang untuk memberikan peserta didik pengalaman visual yang menarik dan interaktif yang membantu mereka memahami materi Bhinneka Tunggal Ika

dengan lebih baik. Penelitian ini menggunakan model pengembangan Analysis, Design, Development, Implementation, Evaluation (ADDIE). Hasil uji coba kevalidan bahan ajar E-book Bhinneka Tunggal Ika kedua ahli media mendapatkan skor rata-rata dalam presentase 92% dengan kategori "sangat layak". Penilaian kedua ahli meteri memperoleh rata-rata dengan presentase 96% dengan kategori "sangat layak". Hasil kelayakan Uji coba terbatas pada 4 peserta didik heterogen memperoleh presentase 88,8% dengan kriteria "sangat layak" dan uji coba lapangan pada 20 peserta didik memperoleh rata-rata presentase 89,5% dengan kategori "sangat layak". Bahan ajar dikategorikan sangat layak digunakan apabila media sesuai dengan kebutuhan pembelajaran serta dapat mendukung isi dari materi pembelajaran. Kesimpulan dari penelitian ini adalah pengembangan bahan ajar E-book valid sangat layak digunakan.

Kata Kunci: *Literasi Membaca, Pendidikan, Anak Indonesia*

INTRODUCTION

A learning process that takes place in schools cannot be separated from the use of learning materials, which are essential for students to acquire the content being taught. Various teaching materials can be utilized in elementary school education. Currently, students still rely on textbook packages and student handbooks. However, these materials often fail to increase students' learning motivation. The level of student motivation greatly influences learning outcomes—the higher the motivation, the better the learning achievements, and vice versa.

Therefore, the teacher's role as a motivator in the learning process is crucial for creating an enjoyable learning atmosphere. Contemporary education emphasizes that students should be more active participants in the learning process, shifting away from a teacher-centered approach. Teachers now serve as motivators, facilitators, and mentors, helping students discover and develop their potential to be applied in society. With the advancement of technology, the learning process has gradually adopted digital tools. Digital books (e-books) are among the suitable teaching materials that

support learning. However, in practice, many digital books do not align with the curriculum content. This highlights the need for teachers to be actively involved in developing teaching materials tailored to the subject matter. Digital books can serve both as learning resources and media because they contain complete content, assist students in identifying learning objectives, and facilitate the learning process. As such, digital books can effectively convey messages in the learning process.

Digital Book (E-book), also known as an *Electronic Book*, is a form of book that can be accessed electronically through computers, laptops, or smartphones (Ruddamayanti, 2019). A digital book is a publication consisting of text, images, or audio, published in digital format and readable on computers or other electronic devices. E-book teaching materials that utilize this technology have become one alternative in the learning process—particularly for the topic of *Bhinneka Tunggal Ika*, which students must study to understand the diversity that exists in Indonesia.

E-books are highly engaging and useful because they contain features such as images, audio, and video (Pratama et al., 2022). E-book teaching materials are more appealing and support students' learning processes, as they have a positive impact and train students' technological skills, encouraging more active participation in learning.

This aligns with the research by (Liana et al., 2021), which states that today's generation—dubbed the "Internet Generation"—cannot live without technology. The rapid advancement of technology due to the ongoing industrial revolution poses future challenges for students. Critical thinking to solve problems is one solution that needs to be fostered. This means technology can serve as a beneficial learning resource, particularly in this era where students predominantly use mobile technologies. As a result, conventional books are increasingly considered outdated and unattractive. Additionally, printed books do not include video content.

E-book teaching materials need to incorporate practical technological innovations that can be accessed anytime and help

increase students' motivation and engagement in learning. The transformation of conventional books into E-book learning materials can take the form of applications that students can easily install. The development of E-book teaching materials has been carried out by (Irmade & Jumanto, 2022), who found that E-books help students visualize lesson content, thereby enhancing learning quality and stimulating student engagement triggered by the use of E-books.

In this study, the researcher is interested in conducting research titled **"Development of E-Book Teaching Materials on 'Bhinneka Tunggal Ika' in Pancasila Education for Grade 5 at SDN Sumberjo Kulon."** These teaching materials are designed to be used by teachers and include student activities and evaluation questions that can be completed by students. The E-book can be installed and accessed via Android devices.

The aim of this research is to develop E-book teaching materials for the Pancasila subject, specifically for the topic *Bhinneka Tunggal Ika*, and to evaluate their validity and feasibility based on expert assessments in content and media, as well as student responses. The expected benefit of this study is to broaden knowledge and references in the learning process through the use of E-book materials, allowing students to access content anytime and anywhere while reducing their smartphone addiction by redirecting its use toward educational purposes.

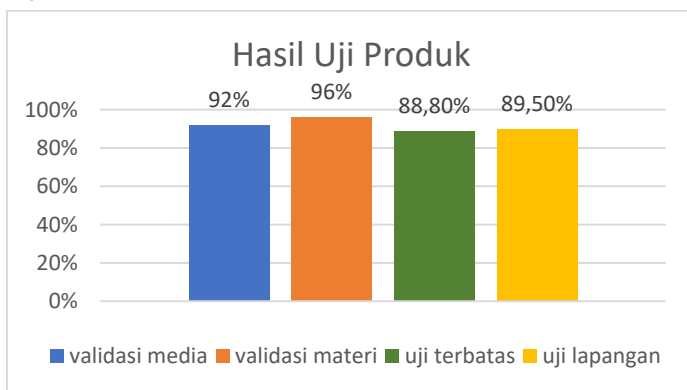
METHODS

This study utilized a Research and Development (R&D) approach with the ADDIE model—Analysis, Design, Development, Implementation, and Evaluation—to develop and validate digital E-book teaching materials. Both qualitative and quantitative data were used throughout the process, starting with curriculum analysis and ending with an evaluation of feasibility. Expert reviews by media and content specialists, along with limited and field trials involving students, provided validity data. The E-book's effectiveness was assessed by calculating the validity score using

a standardized formula and interpreting the results based on Akbar's (2013) validity category. Findings from expert validation and student responses confirmed that the developed E-book met the criteria for educational use (Khawarizmi Yessita, 2023).

RESULT AND DISCUSSION

This development research produced a product in the form of an E-book teaching material on the topic of Bhinneka Tunggal Ika for the Pancasila subject in fifth grade. The teaching material is intended to assist teachers in easily explaining the topic of Indonesia's cultural diversity. The material was developed based on problem identification and needs analysis conducted at SDN 1 Sumberjo Kulon, using a Research and Development (R&D) methodology. The results of this study include several aspects: validity, feasibility, and student responses. The validity of the E-book teaching material was assessed through media and content validation.



Based on validation by media experts, the E-book teaching material received an average validation score of 92% from two evaluators, placing it in the "Highly Valid" category. This result indicates that the visual design of the teaching material is appealing and aligns well with the content. According to the media experts, the colors used in the E-book are appropriate and not

overly bright, and the cover image is relevant to the subject matter being taught (Khawarizmi Yessita, 2023).

Meanwhile, content validation conducted by two subject matter experts resulted in an average score of 96%, also categorized as "Highly Valid." This suggests that the material in the E-book is consistent with the national curriculum, learning outcomes, and the sequence of learning objectives. The content experts further noted that the material is presented simply and engagingly, appropriate for students' developmental levels, and suitable for use in classroom instruction (Asriyanti, 2023).

These findings collectively highlight the E-book's strength as a well-designed instructional resource that effectively combines visual appeal with curricular relevance. The high validation scores from both media and content experts demonstrate that the E-book meets both technical and pedagogical standards. Therefore, this teaching material has strong potential to enhance the quality of learning, particularly in helping students understand the concept of cultural diversity as part of the *Bhinneka Tunggal Ika* theme in the fifth-grade Pancasila curriculum (Rohman et al., 2023).

The feasibility of the student response questionnaire was assessed during the limited trial phase involving 4 students and the field trial involving 20 students, both conducted at the same school. The assessment was carried out using a student response questionnaire related to the E-book teaching material, which had previously been validated by two experts, yielding an average percentage score of 86% with the criterion of "Highly Feasible." Based on the research results, the limited trial produced an average score of 88.8%, while the field trial scored 89.5%, both categorized as "Highly Feasible."

The study found that the developed E-book teaching material was interactive, easily accessible, easy to understand in terms of both content and language, and had an attractive digital interface. Despite these advantages, there were some drawbacks—namely, the Android-based E-book requires electronic devices, which may

run out of battery, limiting access to the materials. Additionally, the E-book relies on an internet connection to run certain interactive activities, such as online games (Luthfiah, 2023).

CONCLUSION

This study produced a digital teaching material in the form of an E-book on the topic Bhinneka Tunggal Ika for the Pancasila subject in Grade 5 at SDN 1 Sumberjo Kulon, which received a "Highly Valid" rating. Expert evaluations showed that the media expert gave a validity score of 92% and the subject matter expert gave 96%, both categorized as "Highly Valid." The feasibility results from student response questionnaires indicated a percentage of 88.8% in the limited trial and 89.5% in the field trial, both classified as "Highly Feasible." Therefore, it can be concluded that the developed E-book teaching material for the Grade 5 Bhinneka Tunggal Ika topic is considered "Highly Valid" and "Highly Feasible."

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