

## Developing English Wipe and Clean Workbook Integrated Madurese Culture to Teach Language Skills and Promote Green Skills for Elementary School Students

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### Abstract

*The objective of this research is creating innovative teaching materials, the Wipe and Clean Workbook, which has been infused with Madurese culture. This product is a reusable workbook that allows elementary school students to reinforce English skills contextually and reuse the product to minimize paper consumption. The need to give young students contextual language learning experiences and to inculcate a sense of environmental responsibility is growing as the globe faces environmental concerns. Most researches in the field of language learning and environmental education tend to focus on these aspects separately, neglecting the potential synergies that can be achieved by combining them. This research is development research using 4D development model which has 4 stages, they are Define, Design, Development, and Dissemination. Based on the percentage validation results, product developed obtains a valid category. In addition, based on the results of student questionnaire with an interpretation of score based on the Linkert scale as a whole, a percentage value of 85% is obtained in the very good category. In conclusion, the findings of this research demonstrate promising results in empowering students to become well-rounded, culturally aware, and environmentally conscious global citizens. However, further research is needed to explore the long-term impact and scalability of this product.*

**Keywords** Worksheet, Elementary school, English skills, Green Skills.

### INTRODUCTION

The implementation of English subject in elementary schools as mandated by the “Merdeka” curriculum should be followed up seriously. In this new curriculum, learning English in elementary schools is expected to help students achieve their communication skills as life skills, as well as provide students with knowledge to communicate between nations, get to know a wider environment and empower responsibility towards the environment. Therefore, learning English needs to be linked to the daily life experienced by students, one of which is integrating local culture and green skill. The need to insert culture into instructional materials is very important today because language and culture cannot be separated (Haerazi, 2018). According to Koentjaraningrat (2004), there are seven elements of culture, which include religious systems, social systems or social organizations, knowledge systems, language, arts, economic systems and livelihoods, and technology.

According to Tomlinson (2011), good teaching materials are teaching materials that adapt to the conditions of the area where the learning process takes place. This means that good teaching materials must be related to the environment and the daily lives of students who use the teaching materials. Prastowo (2014:67) said that learning products in the form of student workbook are teaching material products that are guided by basic learning competencies through material summaries and assignment activities. However, this



curriculum shift means that many teachers use existing learning tools and materials such as learning using workbook issued by national publishers, where the student workbook is still not contextual.

Several studies have been carried out by researchers regarding the development of English teaching materials in elementary schools, including research by Yusuf Demir in 2012 with the title "The Effect of Background Knowledge and Cultural Nativization on Reading Comprehension and Vocabulary Inference". This research aims to determine the relationship between prior knowledge and cultural familiarity on the reading comprehension of sixth grade elementary school students in Turkey. This research concludes that texts that contain contextual events or something that the reader has experienced have a positive effect on reading comprehension skills. Students who read using texts whose content is close to theirs get higher scores in reading comprehension.

The development of English workbook for elementary schools has also been carried out in previous research by Rahayu (2018) and Nitiasih (2021). The success in previous research was one of the bases for carrying out this research while still paying attention to the character and needs of students at SD Negeri Paseyan 1 Sampang.

Moreover, pairing language learning with green skills education proves to be a harmonious blend. According to Handayani (2021), green skills need to be developed in education for a sustainable future. Green skills encompass a spectrum of abilities and knowledge crucial for environmental sustainability, and when coupled with language education in elementary schools, they create a potent foundation for the future generation. By combining language education with eco-friendly concepts, the learning aims to contribute to a holistic educational approach, fostering both linguistic proficiency and environmental awareness.

Based on the explanation above, the researcher then developed teaching materials in the form of an English workbook entitled "JEBING Madura", Exploring English language based on Madurese Culture for Elementary School Students. The learning product developed by the researcher contains the diversity of local culture in Madura which is presented in the form of various practices, with the aim of helping students to understand English material easily and pleasantly through integrating the students' initial knowledge and experiences related to Madura's culture and using glossy paper to make the students easy to wipe and clean the workbook.

## METHOD

The development of this English worksheet used the Research and Development (R&D) method. This method is a process or steps to develop a new product or perfect an existing product, so that it can be accounted for (Sukmadinata, 2009). The development model applied is 4D model which has 4 stages in its implementation, that are Define, Design, Development, and Dissemination. Each stage in 4D model has steps that must be taken by researchers in developing the worksheet.

Before the product is tested in the field, the product was validated first with media expert validators, teaching materials experts, and language experts. Expert validation is

carried out so that the comic products developed get assurance that products developed are feasible to be tested on students. The test subjects in this research and development were students belonging to heterogeneous classes in grade 5 at SDN Paseyan 1 Sampang in the Odd Semester of Year Lesson 2023/2024.

The research instruments used in development of this English worksheet consist of the following instruments.

**Table 1.** Research Instrument Mapping

Rated aspect	Instrument	Observed data	Respondent
Media Validity	Validation Sheet	Worksheet Validity	Language expert, media, and material expert
The Excitement of the media	Questionnaire	Student response	subjects
	Observation sheet	Student Activity	subjects

The type of data obtained from English worksheet trials was divided into two, which were quantitative and qualitative data. Quantitative data was in the form of assessment scores given by the validator and student responses. While qualitative data is in the form of input, responses, and suggestions for improvement based on the results of expert research obtained through validation and observation.

## RESULTS AND DISCUSSION

The product produced in this study is an English worksheet entitled "JEBING Madura" which consists of 20 pages with a size of 14.5 cm x 21 cm. For the margins are one inch (2.54cm) at top and bottom.. The front cover design shows the identity of the book and some images is related to Madurese culture.

The content of the worksheet aligns with elementary English language curriculum standards, "Merdeka" curriculum. Careful consideration was given to age-appropriate vocabulary, grammar concepts, and language skills progression. The interactive exercises are designed to cater to various learning styles, promoting a holistic understanding of the English skills.

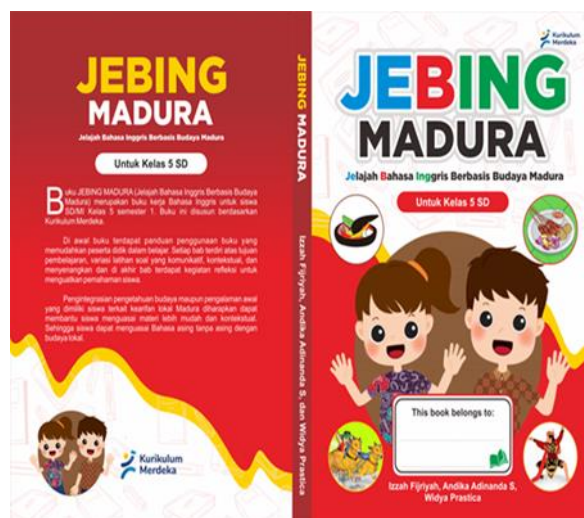


Figure 1. Front and Back Cover View

The text uses the Trebuchet MS (Body) font. This font is considered to display a light impression and is easy to read. This opinion was also strengthened by the results of students questionnaire, in which 80% of students chose the font for product development.

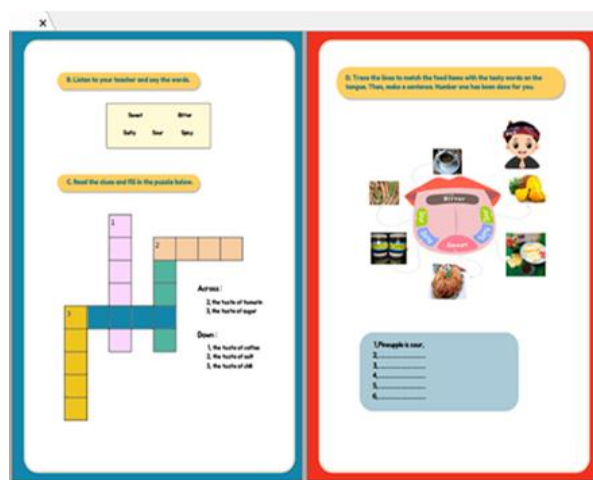


Figure 2. Content Section

The illustrations shown in this workbook were colorful illustrations to attract the attention of elementary school students and not make them get bored quickly when reading and doing the exercises because majority of students in the target schools have visual learning characteristics. In addition, the developer used photography so that readers can see the original atmosphere and complete details of the Madurese culture.

The material of the developed workbook was glossy paper. This paper material can be used repeatedly because the marker ink can be erased (wipe and clean). Using a wipe and clean worksheet is a great way to allow students to practice over and over again without buying worksheet after worksheet. Young learners especially elementary school students

learn better when new words are repeated or practiced many times. Moreover, we chose this material to promote waste reduction.

In designing a wipe and clean workbook, a creative strategy was needed to develop. Visual messages and content were one of important things in this worksheet (Anugrah et al., 2016). Before being used in research, the worksheet developed and research instruments to be used must be validated first. Sugiyono (2013) stated that media validation is an activity that aims to obtain an assessment of a product. Farenda (2018) also added that the product developed needs to be assessed by validator with the aim of knowing the feasibility of learning devices and research instruments to be used for research. In this activity product evaluation is carried out by experts who are skilled and experts in their fields. Apart from assessing product development, experts or validators also provide suggestions. After validation results were obtained, then the validation results were interpreted using criteria based on the percentage of expert validation results (Riduwan, 2012).

Based on the percentage validation results from teaching media, language and material experts obtained were 80%, 85%, and 80.5% respectively. So that it is known that from the results of expert validation, the "JeBING Madura" Wipe and Clean workbook that was developed obtained a valid category. In addition, based on student questionnaire data with score interpretation criteria based on the Linkert scale as a whole, a percentage value of 85% is in the very good category. This indicated the enthusiasm of students to read and practice doing some exercises of "JeBING Madura" wipe and clean workbook. Moreover, it indicated positive outcomes, with students demonstrating increased awareness of environmental issues. It means wipe and clean workbook is a valuable resource in promoting sustainable education in elementary schools.

## CONCLUSION

Based on the results of research and development that has been carried out, it is concluded that the potential of culture content can be integrated into English workbook while at the same time boost the green skills for elementary school students, fostering a generation ready to tackle the challenges of tomorrow with a sustainable and inclusive mindset. In future research, it is suggested to analyze students perception toward the product and explore the long-term impact and scalability of the developed product.

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