Development of E-Module Assisted by Book Creator in Javanese Language Learning Materials of Uploading Language in Grade II of Elementary School II Ariyojeding

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Abstract: The research is motivated by initial findings during observation, although e-modules have been implemented, there is still a need for further development by utilizing Book creator technology. The media that is often used in SD Negeri II Ariyojjeding, especially in class II, is the LKS book. This study aims to improve the quality of learning by introducing new innovations in the form of e-modules assisted by Book creators. This study uses the ADDIE development model (Analysis, Design, Development, Implementation, Evaluation). Validity is determined by media expert validation, material expert validation, and language expert validation. The assessment from the media expert scored 90% in the "very valid" category. The results of the material expert study scored 86% in the "very practical" category. The results of the language expert study scored 77% in the "practical" category. The results of the assessment from the teacher's response scored a percentage of 91% in the "very valid" category. The results of the assessment from the responses of class II students with a score of 86% in the "very effective" category and are suitable for use in the learning process.

Keywords: Javanese, Book creator, E-module, Uploading Good Language

PRELIMINARY

Learning media are all things in the form of objects or events and can be used to facilitate the learning process. For example, using picture books, computer technology, or internet videos. Learning media are needed to arouse students' enthusiasm for learning. Learning media are designed with the aim of systematically conveying effective and efficient learning messages. The learning process is useful as information that lies in the media, it involves students both in thinking and implementing learning so that it can be carried out properly. Learning media are considered as teaching aids so that learning can be carried out.

Teaching materials are considered as one form of learning media. Teaching materials include materials such as books, texts, slide presentations, learning videos,

educational games, modules, and so on. There are various types of teaching materials including textbooks, videos, modules. Modules are part of teaching materials that need to be updated. One form of renewal is called e-module (Fauzan, 2021). E-modules are teaching materials that can be used during offline and online learning (Hidayati Azkiya et al., 2022). E-modules are learning materials that are arranged to contain easy-to-understand speech according to ability and age so that students are able to learn with a little help from the teacher (Lestari et al., 2022).

Book creator is an application that contains sentences, paintings, or sounds and is distributed in electronic form that can be read on computers or cellphones (Makdis, 2020). The material is summarized and designed to be as attractive as possible. The advantages of e-modules assisted by Book creators aim to make it easier for students to explore the contents of the material and can minimize the time used and are very easy to carry (Puspitasari et al., 2020). Distribution of these e-modules can be via electronic media such as the internet. The disadvantage of e-modules assisted by book creators is that they require a device. This means that when you want to read, you must have a device such as a computer or laptop, cellphone, so that someone can read e-modules online or offline (Puspitasari et al., 2020). Activating the device certainly requires electricity to open the e-module.

Javanese language learning is a very necessary subject because it is one of the original cultures of the Javanese people. Preservation of the Javanese language needs to be done when children start speaking because it is rare for people to use Javanese with Javanese language rules (unggah ungguh basa), especially among teenagers. This preservation has been given in every school under the name of local Javanese language content. Javanese language learning has been given at the school level. One of the materials in Javanese language learning is penggah ungguh basa. Unggah ungguh basa is a language element that contains values of politeness to the interlocutor (Masjid & Nugraheni, 2020). Javanese people use speech using Javanese manners to express respect based on the position or rank held by an element of society. They always position themselves and are careful not to cause problems with others. There are three levels of Javanese language use in society, namely ngoko, ragam madya, and krama. The ngoko form is a form of language used to build an atmosphere of familiarity. Ngoko language is usually used by friends or people who are the same age or younger than the speaker

(Kusumoningrum & Handriyotopo, 2021). The speaker uses ngoko language, so the person he/she is talking to uses ngoko language. The krama form is also known as "basa" which means that if someone does not use the krama form correctly, then that person cannot use Javanese politely. Krama language is usually used to communicate with people who are older than the speaker (Kusumoningrum & Handriyotopo, 2021). Currently, there is a discrepancy in the use of Javanese words, especially krama, spoken by students in schools.

Previous relevant research on the development of e-modules assisted by book creators conducted by Febriana Dwi Rahmawati in 2023 entitled "Development of E-modules Based on Book Creators on Thematic Material for Social Studies Content for Class V at SD N Sampangan Bantul". The results of the study showed that the validation test from the material and media expert validator was categorized as very valid. The results of the limited field trial were said to be easy and practical in its implementation. SDN II Ariyojeding is an elementary school located in Ariyojeding Village, Rejotangan District, Tulungagung Regency. In this study, the researcher took class II with 12 students. Observations that have been carried out on class II teachers at SD Negeri II Ariyojeding have used e-module media but have not been assisted by Book creators. The media that is often used at SD Negeri II Ariyojeding, especially in class II, is the LKS book which is a tool that attracts students' attention and memory of the material to be delivered in class. The material still uses textbooks and summary LKS and questions only for learning, based on the results of the statement, the researcher intends to develop media in the form of technology-assisted teaching materials, namely E-Modules Assisted by Book Creator, which can encourage students to increase their understanding and desire to learn more about what they understand in the material. Based on the description above, the purpose of this study is to develop e-modules assisted by Book Creator in learning Javanese Language Material Uploading Basics that are valid, practical and effective in improving the quality of learning.

METHOD

The ADDIE development model, which stands for Analysis, Design, Development, Implementation, and Evaluation, is a reference in the research and development process in the ADDIE model flow. The ADDIE approach is implemented

in the study using 5 stages, namely analysis, design, development, implementation, and evaluation. The subjects of the study were 12 students of grade II of SD Negeri II Aryojeding. The data collection technique in this study used questionnaires and documentation. The research instrument in this study used a statement sheet. The data analysis technique used questionnaires and documents.

RESULTS

This research produces a product in the form of an e-module media assisted by the Book creator of the material for uploading basic language that can be used as a learning medium from the results of the CP and ATP analysis, material. The results of the analysis carried out are described as follows:

1. Problem identification results

Problem identification is done as an initial step in this research. The results of the problem identification conducted at SD Negeri II Ariyojeding are as follows:

a. Students are less actively involved so that the atmosphere tends to be less conducive in the ongoing learning process

b. The ongoing learning is less meaningful so that students have difficulty in understanding the concept of the material.

Teachers rarely use learning media in ongoing learning activities in class II. The learning carried out in class II is still not optimal so that in understanding the material given is not optimal so that in understanding the material given is understood, in the learning process still using LKS media. The use of LKS media for class II students is still less conducive to the learning process. The language skills material taught is still through books or LKS along with brief explanations only.

2. Problem analysis results

From the results of the problem identification carried out in May 2024, it can be used as a basis for developing learning media in the form of e-module media. The e-module media needed is the e-module media assisted by the Book creator uploading language. The identification results show that teachers at the elementary school are not optimal in using the media. Therefore, this study needs to develop learning media such as the e-module uploading language media. The use of the e-module uploading

language is expected to help teachers and students in the learning process on the uploading language material.

a. Results of needs analysis

The results of the needs analysis, the researcher needs to develop an e-module media for uploading language. The e-module media for uploading language is a two-dimensional media that is well designed and easy to use so that participants can easily access and understand the material being taught, and can invite students to practice polite language in everyday life. The results of the needs analysis required are CP and ATP that have been carried out, that this development is focused on CP, namely students are able to speak politely according to polite language about various topics that are recognized using the right volume and intonation according to the context. ATP in this study is as follows:
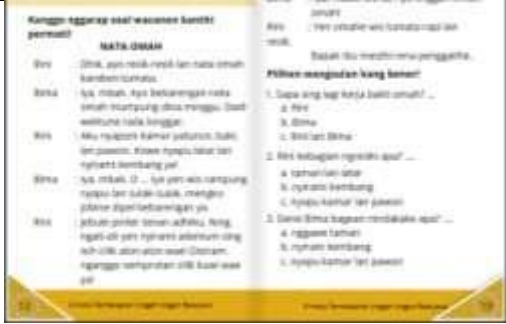
a) Students explain the meaning and examples of ngoko and krama words
b) Students can practice using ngoko and krama words in written and spoken form

Results of Assisted E-Module Development *Book Creator*

Tabel 1. E-Module assisted learning media display *Book creator*

No.	Information	Desaign
1.	First page cover	
2.	Foreword and instructions for using the assisted e-module *Book creator*	

3.	Table of contents and display of CP and TP	
4.	Material for simple and refined language	
5.	Material for simple and polite language	
6.	Conversation text display	
7.	Show examples of other words and practice 1	

8.	Rehearsal view 2	
9.	Lesson rehearsal display	
10.	Lesson rehearsal display	
11.	Display of Javanese language lesson plans and small dictionary	

12.	View bibliography and image source list	
13.	Author biodata display	

Tabel 2. Media Expert Validation Results

No.	Questions	Scores given by media members
1.	Design of e-module media assisted by Book creator is interesting	4
2.	The display quality is very clear and easy to see.	4
3.	Very flexible because it can be accessed anytime and anywhere	4
4.	This e-module assisted by Book Creator can be used repeatedly for learning inside or outside the classroom.	3
5.	Clear font size can be easily	4
6.	The sentences used can be understood by students and do not contain double meanings.	3
7.	The images in the e-module assisted by Book Creator are in accordance with the Javanese language upload material.	4
8.	Use of images according to student characteristics	4
9.	The images presented provide information related to the material on uploading Javanese language.	3
10.	The display of images on the e-module assisted by Book Creator provides an interesting impression for students.	3
	Total score	**36**
	Average validation results	**90%**
	Validity level	**Very valid**

Very validBased on the results of the media expert validation above, the total score obtained was 36 with an average validation result of 90% with a validity level of "very valid".

Tabel 3. Material expert validation results

No.	Questions	Scores given by material experts
1.	The material is in accordance with the curriculum in Elementary Schools, namely the independent curriculum.	4
2.	Suitability of material with Learning Outcomes (CP)	4
3.	Suitability of materials to learning objectives	4
4.	Suitability of material to learning objectives (ATP)	4
5.	Systematic arrangement of materials	3
6.	The sequence of material contained in the e-module assisted by Book Creator is easy to understand.	3
7.	The clarity of the material in the e-module assisted by Book Creator is in accordance with the Javanese language upload material.	3
8.	Completeness of materials in LKPD	3
9.	The material described can attract students' attention	3
	Score total	**36**
	Average validation results	**86%**
	Validity level	**Very valid**

Based on the results of the validation by the material experts above, the total score obtained was 36 with an average validation result of 86% with a validity level of "very valid".

Tabel 4. Linguist validation results

No.	Questions	Score given by subject matter expert
1.	Accuracy of sentence structure in e-modules assisted by Book Creator	3
2.	The sentences used are very effective for motivating students to learn.	3
3.	The sentences used are in accordance with the language abilities of class 2 students.	3
4.	Standardization of terms	3
5.	In accordance with EYD	3
6.	Using good and correct Javanese	3
7.	Using easy to understand language	3
8.	Using communicative and easy to understand language	3
9.	Communicative language that is able to invite student interaction	4
10.	Using appropriate terms, symbols and icons	3
	Skor total	**31**
	Average validation results	**77 %**
	Validity level	**Valid**

Based on the results of the validation by the language experts above, the total score obtained was 31 with an average validation result of 77% with a "practical" validity level.

Tabel 5. Results of student response questionnaires in field trials

No.	Response Name	Respon Siswa
		Skor
1.	SNA	94%
2.	M	98%
3.	B	98%
4.	NDSP	96%
5.	V	82%
6.	A	86%
7.	DKP	86%
8.	J	86%
9.	DDK	86%
10.	RTP	86%
11.	MW	86%
12.	SD	86%
13.	**Average score**	**89%**

Based on the results of the student response questionnaire in the field trial above, the total average score obtained was 89% with a practicality level of "very practical".

DISCUSSION

This development research produces a product in the form of e-module media assisted by Book creator for language uploading material which is a learning media that can be used to help explain language uploading material easily. The e-module media assisted by Book creator created by researchers based on problem analysis and needs analysis at SD Negeri II Ariyojeding. The e-module media assisted by Book creator that was developed is very valid for use in the learning process reviewed from the assessment of media experts, material experts, and language experts. This can be seen from several aspects, namely the first is seen from the material presented in the e-module media assisted by Book creator in accordance with CP and ATP. Second, the e-module media assisted by Book creator can help the learning process in the classroom on language uploading material. Third, the e-module media assisted by Book creator was created systematically by researchers. The fourth design of the e-module media assisted by Book creator can be seen clearly, the selection of the right colors and images that can attract students so as to facilitate the teaching process and increase students' interest in learning.

The innovative ADDIE Book Creator model e-module media was created to help students understand the material in the language.

The level of validity of the development of e-module media assisted by the Book Creator is determined if the learning media is used appropriately to support the content of the material and provide opportunities for students to learn, then the learning media is feasible. The validation results include media expert validators, material experts and language experts. The media expert got 90% with the category "very valid" meaning that the quality and appearance of the media are appropriate and attract the attention of students. Good media presentation can facilitate students in the independent learning process and provide updates in learning, namely replacing books without reducing their function as a source of information, while the material expert got a score result with an average of 86% with the category "very valid" which means that the content of the material is quite comprehensive and suitable for the teaching and learning process. The language expert got results with an average score of 77% in the category "valid".

Response is a response given by someone to a stimulus. The teacher's response was carried out at the field trial stage by a validator practitioner or a class II teacher at SD Negeri II Ariyojeding. The instrument used was a questionnaire containing aspects related to the e-Module assisted by Book Creator, materials and ongoing learning. The validation results obtained 95% with the criteria of "very valid" meaning that based on the color design and use of media, it can attract the attention of students. This statement is in line with research (Nurulloh Lailatul Jannah, 2022) stating that in the material aspect, 86% means it is included in the very valid category, the media aspect of 88% is included in the very valid category. Student response is student behavior in response to the influence or stimulus carried out by others. Student responses were carried out with a field trial stage carried out by 12 students of class II of Ariyojeding Elementary School II. The instrument used was a questionnaire containing several aspects related to media, materials, and ongoing learning, obtaining a score of 86% with the category "very valid" which received a good response. This statement is in line with research (Nurfitriani & Syafi'ah, 2023) that student responses of 85% were categorized as very valid.

CONCLUSION

Based on the results of the research on the development of e-module media assisted by the Book Creator, the material for uploading basic language can be concluded as follows:

1. The validity of the development of e-module media assisted by Book creator for class II language upload material at SD Negeri II Ariyojeding is determined by media expert validation, material expert validation, and language expert validation. The assessment from the media expert got an average percentage score of 90% so it is concluded that the validity of the e-module media assisted by Book creator for class II language upload material is in the "very valid" category. The results of the material expert assessment got an average percentage score of 86% so it can be concluded that the validity of the material in the e-module assisted by Book creator is in the "very valid" category. The results of the assessment from the language expert got an average percentage score of 77% so it can be concluded that the validity of the language in the e-module assisted by Book creator for class II language upload material is in the "valid" category.

2. The results of the assessment from the responses of class II teachers got a percentage score of 91% so it can be concluded that the effectiveness of the e-module media assisted by Book creator for class II language upload material is in the "effective" category. The students' responses were conducted through a field trial stage conducted by 12 students of class II of Ariyojeding Elementary School II. The instrument used was a questionnaire containing several aspects related to media, materials, and ongoing learning, obtaining a score of 86% with the category of "very effective" which received a good response.

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