



The Effect of Using E-Module Based on Local Wisdom from Balumbo Biduk on Increasing the Motivation of Educators in Targeted Schools

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Abstract. The purpose of this study was to analyze the increase in teaching motivation to educators in target schools in using e-modules based on local wisdom Balumbo Biduk. The research method used is a quantitative and qualitative approach (Mixed Method) which combines quantitative and qualitative methods in one study. The subjects in this study were educators who teach at the target schools consisting of 7 people obtained from random sampling techniques. The data collection instrument was taken from the distribution of questionnaires after socialization. Based on the research conducted, it can be concluded that the use of e-modules based on local wisdom can increase the motivation of educators. Therefore, the use of e-modules based on the local wisdom of Balumbo Biduk is able to have a positive impact on increasing the motivation of educators at the target schools of SDN 64/I Muara Bulian.

Keywords: E-Module · Local Wisdom · Motivation

1 Introduction

In this 21st century era, teacher learning is not the only source of learning. The rapid development of information and communication technology makes learning more innovative. Learning content can vary including writing, images, video, sound, and can be in the form of products that are presented in electronics [1]. Using electronic media makes learning memorable and meaningful for students.

The curriculum is a guideline by educators in a teaching and learning process. Where the curriculum itself has made many revisions of approximately 10 times, where many have made changes to the curriculum. The curriculum itself does a lot of revisions in order to adapt to a generation where currently in generation Z there are many developments in science and information technology [2]. Implementation of the revised 2013 curriculum can be defined as a process of applying curriculum ideas, concepts, and policies (potential curriculum) to a learning activity so that students master a certain set of competencies as a result of interaction with the environment [3].

Learning is a process in which there is an interaction between students and educators. Learning is an effort by educators to deliver a learning material that will be taught to

students both in elementary and high school [4]. In that case, the learning process carried out in elementary schools can be carried out by educators who are mentioned as Informators, Organizers, Motivators, Directors/Directors, Initiators, Transmitters, Facilitators, Mediators, and Evaluators [5]. In that case, students are asked to be active in a learning activity that will be carried out in class. With the presence of students and educators, learning can be carried out comfortably so that students know what the educators are saying.

Learning materials are things that must be mastered by students in the form of materials, skills, and attitudes that have been determined to be studied by students within a certain time. Learning material is one of the important aspects in the curriculum [6]. Preparing learning materials must meet the core competencies and basic competencies of students. Learning materials are related to teaching materials that contain information that is used for learning planning in learning activities in the classroom [7]. Teaching materials are prepared systematically by the teacher to be mastered by students in the learning process.

Electronic teaching materials are teaching materials made in electronic form. Electronic teaching materials are learning materials that are systematically arranged to show the competencies of students that must be mastered in the form of multimedia [8]. Teaching materials can make it easier to carry out the learning process which shows that teachers are not the only source of information. But that does not mean the role of the teacher is lost in the learning process. Students are required to be active in learning [9]. So that the quality of learning can improve and students can achieve learning objectives.

Elementary school education has implemented integrated thematic learning since the implementation of the 2013 curriculum in the learning process. Thematic learning prioritizes the participation of students in the active learning process, so that students receive direct experience and are trained in discovering the various knowledge they learn for themselves [10]. That way, students get more opportunities to explore the interests and talents they want to develop.

PowerAbsorption of subject matter for students is different, there are students who are easy and some have difficulty understanding a subject matter. There needs to be variations in delivering material so that learning is more interesting, one of which is applying media and supporting teaching materials. Some of the benefits of learning media are being able to develop knowledge of learning materials such as books, photos, and resource persons, gaining a variety of experiences during learning, and concrete learning experiences for students [11]. Thus, there is a need for variations in learning to increase the interest in learning and skills of the students.

Learning has an important role in achieving goals in the world of education. In an effort to improve learning, further improvements are needed, especially in the model of teaching materials. Based on Permendikbud Number 22 of 2016, teachers should prepare contextual teaching materials. Contextual learning is a learning approach that links the teaching materials with the real life of everyday students [12]. Teaching materials are an important basis in the implementation of education. With the existence of teaching materials, teachers will find it easier to carry out learning and students will be more assisted and easier in learning [13]. Teaching materials consist of a collection of materials that have been systematically arranged to help achieve a competency through good

presentation. Teaching materials have various forms, ranging from print, audio, to visual, all of which are nothing but to help support learning activities.

The rate of technological development makes learning more interesting. Professional teachers are able to adapt these changes well. Technological growth also plays a role in the development of teaching materials, which are commonly known as electronic teaching materials. Electronic teaching materials are teaching materials whose materials are integrated in electronic form which can be in the form of audio, visual, or other interactive multimedia [14]. The existence of rapid technological developments is not an obstacle to continue to integrate cultural values that are owned into teaching materials. Electronic teaching materials that are integrated with local wisdom values will be able to help and facilitate students in learning,

Local wisdom is one of the ancestral cultural heritages that must be maintained. Local wisdom is a view of life, knowledge, and various kinds of life strategies in the form of activities carried out by local communities in responding to problems that exist in the process of fulfilling their needs [15]. Local wisdom as a form of cultural wealth of a particular area has moral values, knowledge, and as a source of knowledge that is contextual in nature [16]. The noble values and culture of a particular local wisdom need to be preserved so that it can be passed on to the next generation. One of the local wisdoms whose existence needs to be maintained so that it is not eroded by the times is the Biduk Balumbo.

Balumbo Biduk is one of the local wisdom originating from Sarolangun district, Jambi province. Balumbo Biduk is a boat race activity held at the celebration of the Eid Al-Fitr with the aim of enlivening it and as a form of gratitude for having achieved victory in the month of Ramadan [17]. The Big Dipper Balumbo or boat race has many stories that are timeless and have become a tradition which is currently one of the historical heritages that must be preserved. Balumbo Biduk has a character education value so that local wisdom can be integrated in learning activities in elementary schools. Learning activities will certainly be successful if they are supported by the presence of a teacher.

Teachers play an important role in learning activities. Quality teachers can be seen from their teaching performance [18]. The teacher is a role model or example for students. In learning activities the teacher must be able to present learning activities that are meaningful and can be enjoyed by each individual. Professional teachers are able to form varied learning activities and are able to understand the differences that occur between students. To be able to create innovative learning activities, teachers must have the enthusiasm and motivation to continue to dare to evaluate their learning activities.

Teachers as one component that has a very large influence in teaching and learning activities are required to always be able to improve the quality of education. Teacher motivation in teaching will affect the nature of teachers in teaching and learning. In an effort to improve teacher performance, must pay attention to supervision, where all activities and tasks [19]. In the absence of teacher motivation or enthusiasm in teaching, of course the teacher's performance will not go well [20]. Therefore, teachers need to know and maintain motivation for enthusiasm in teaching and learning. Without the motivation of learning teachers, it will feel boring and burdensome. As research conducted by (Utomo et al., nd) which analyzes the teacher's teaching motivation in terms of need satisfaction based on self-determination. The research conducted by this researcher is

complementary in that the researcher tries to analyze the increase in teaching motivation to educators in target schools in using e-modules based on local wisdom Balumbo Biduk.

Learning in primary schools currently uses integrated thematic learning. Thematic learning in elementary schools integrates attitude, knowledge, and skill competencies into a single unit [21]. In thematic learning, it contains character values in each of the learning themes presented. This is in accordance with the implementation of the 2013 curriculum which prioritizes character education at each level of the education unit. Balumbo Biduk's local wisdom contains several character values in it, so it is very suitable to be integrated in learning activities based on local wisdom values. Thus, the implementation of character education will continue to be carried out in learning activities as well as introducing students to a culture that should be preserved for its wisdom and sustainability.

The purpose of this study is to increase the motivation of educators by using e-modules based on local wisdom Balumbo Biduk. The formulation of the problem is, how does the application of the use of e-modules based on local wisdom by educators affect teaching motivation?

2 Research Method

This study uses a quantitative and qualitative approach (Mixed Method) which is a combination of quantitative and qualitative methods in one study. This study also uses a research design in the form of Explanatory Sequential Design research. Explanatory research design is a research design that uses the main data from the collection and quantitative analysis, which is then explained in qualitative form. The research instrument used a questionnaire. Questionnaire is a data collection tool that can be done by distributing written statements to informants as research samples. Questionnaires were distributed as a form of questionnaire from response indicators to the use of electronic modules to see the improvement of teachers' abilities in managing teaching materials. The number of valid questions is 10 items. In the questionnaire using a Likert scale category with the types of scales strongly agree (SS), agree (S), not sure (N), disagree (TS), and strongly disagree (STS). On each question that has a positive value in the instrument that has a value of: SS = 5, S = 4, N = 3, TS = 2, and STS = 1. The score is reversed for the value on the negative item. Questionnaires given to respondents were used to measure quantitative data. The following is a research questionnaire grid. Questionnaires given to respondents were used to measure quantitative data. The following is a research questionnaire grid. Questionnaires given to respondents were used to measure quantitative data. The following is a research questionnaire grid (Table 1).

The subjects in this study were all teaching staff at SD Negeri 111/I Muara Bulian, totaling 12 teachers, principals and staff. The sample used was 7 teachers at SD Negeri 111/I Muara Bulian. Because only 7 teachers participated in the socialization while the other teachers were teaching in class. The determination of the sample was selected using a purposive sampling technique in which the determination was made through various considerations [22]. To determine the research criteria, namely the consideration of the state of the school and its teaching staff, the schools studied by the researchers used printed teaching materials and had not implemented electronic modules. The data

Table 1. The teacher's response questionnaire grid in using the electronic module

No	Statement	Number of Questions
1	The use of electronic modules is something new that is interesting for me	1
2	I can make my own electronic module	1
3	This electronic module makes it easier for me to teach subjects in class	1
4	This electronic module can help students in self-study at home	1
5	This electronic module is not relevant to my needs because most of its contents I do not know	1
6	The electronic module makes it very easy for me to teach	1
7	I have no difficulty in using the electronic module	1
8	I often use electronic modules in learning activities	1
9	I feel learning with electronic modules makes learning interesting and not boring	1
10	Electronic modules are practical to use all the time	1

collection technique used is quantitative data collection which is the main data and to strengthen the data, qualitative data is used. Quantitative data becomes data related to numbers and numbers. While qualitative data is of course data that uses words in the explanation of the data that you want to write.

3 Results and Discussion

The use of e-modules based on local wisdom of Balumbo Biduk is important to be applied in existing learning activities. With the use of e-modules based on local wisdom, Balumbo Biduk is able to increase the motivation of educators in carrying out learning activities. The results obtained from data collection that has been carried out through the distribution of teacher response questionnaires regarding the use of e-modules. The following are the results of descriptive statistics calculated using IBM Statistics SPSS 20 software.

Based on Table 2, it can be concluded that the results of the data indicate that the response category of teachers strongly agrees as much as 14, 28% (1 of 7 educators), educators with the category of agreeable responses as much as 14, 28% (1 of 7 educators), educators with the category of Neutral responses were 57,14% (4 out of 7 educators), educators with the category of disagreeing responses were 14, 28% (1 out of 7 educators), and educators with the category of strongly disagreeing responses were 0%. While the teacher response scale based on Table 2 shows that the data obtained are: the mean value of 37.31, the minimum value of 32, the maximum value of 46, and the median value of 38. These results indicate that the use of e-modules based on local wisdom Balumbo Biduk towards the response or motivation of educators is categorized as neutral. This is

Table 2. Descriptive Statistics of Teacher Response

Characteristics			mean	Min	Max	median	Standard Deviation	%
interval	Attitude	Total						
32–34	Strongly agree	1	37.71	32	46	38	3,302	14.28
35–37	Agree	1						14.28
38–40	Neutral	4						57.14
41–43	Don't agree	1						14.28
44–46	Strongly disagree	0						0
Total		7						100

also supported by the mean result of 37.71 which is in the range of the neutral category. After performing descriptive statistical analysis, then the assumption test is carried out, namely normality and linearity tests using IBM Statistics SPSS 20.

Based on Table 3, it can be seen that the data in this study are normally distributed with sig. > 0.05 and the data is also linearly distributed with sig. > 0.05. Then, the hypothesis test was carried out using a regression test with IBM Statistics SPSS 20 (Table 4).

Based on calculations using the regression test, it can be seen that the effect of using e-modules based on local wisdom Balumbo Biduk has a significant effect on increasing educator motivation as evidenced by the sig value. $0.004 < 0.05$.

The effect of using e-modules based on local wisdom from Balumbo Biduk on increasing motivation in educators can measure various variables to be studied. This research was conducted using descriptive statistical calculations so that the results of training in the use of e-modules based on the local wisdom of Balumbo Biduk have an influence so that they can increase teacher motivation in making the e-modules in the good category. Thus, it shows that the use of e-modules based on local wisdom of

Table 3. Normality Test and Linearity Test

Normality test		Linearity Test	
asympt. Sig. (2-tailed)	Std. Deviation	Sig.	Mean Square
.754	.32859325	0.345	,142

Table 4. Regression Test

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	23,247	1	23,247	24,453	,004b
	Residual	4.753	5	,951		
	Total	28,000	6			

Balumbo Biduk has an influence on increasing the motivation of educators in SD Negeri 111/I Muara Bulian.

Previous research was conducted by researching by developing teaching material products in the form of learning e-modules and looking at students' learning motivation for the developed e-modules [23]. In addition, other studies have also developed teaching materials in the form of electronic modules using the application 3D Pageflip Professional software for students class V Elementary School [24]. Meanwhile, this researcher has an influence in the use of e-modules based on local wisdom Balumbo Biduk on increasing the motivation of educators at SD Negeri 111/I Muara Bulian.

The novelty in this research is the effect of using e-modules based on local wisdom of Balumbo Biduk after serving and can improve educators' ability to use e-modules as teaching materials in schools. The implication of this research is to describe and test the effect of using e-modules based on local wisdom Balumbo Biduk as teaching materials for educators. This study describes the effect and can be used as a starting material to develop and improve various abilities in teaching using the Balumbo Biduk e-module.

4 Conclusion

Based on the results in the study, it was found that the use of e-modules based on local wisdom Balumbo Biduk increased the motivation of educators. This also shows that the ability of educators can increase after training on the use of e-modules was carried out during service at SD Negeri 64/I Muara Bulian. The measurement results obtained through the linear regression test showed that the effect of using e-modules based on local wisdom Balumbo Biduk has a significant effect on increasing educator motivation as evidenced by the sig value. $0.004 < 0.05$. That way, the application of the use of e-modules based on local wisdom carried out by educators can be one of the lessons that can grow and improve the abilities of the educators.

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