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Electronic teaching materials containing quranic verses: its development and scientific writing

Sarah Miriam a,1, Abdul Salam M a,2, Dewi Dewantara a,3*, Ma'rifah Hidayati a, Yayan Azhary a

- ^a Physics Education Study Program, Universitas Lambung Mangkurat, JI Brigjend H. Hasan Basry, Kota Banjarmasin, 70123, Indonesia
- $^{\rm 1}$ sarah_pfis@ulm.ac.id*; $^{\rm 2}$ salam@ulm.ac.id $^{\rm 3}$ dewantara_pfis@ulm.ac.id

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ABSTRACT

Efforts to write development proposals until finally publication of electronic teaching materials containing verses of the Koran need to be introduced and trained to teachers at the Physics MGMP Forum, Tanah Bumbu Regency. The service that will be carried out is "Workshop on the Development and Writing of Scientific Papers on Electronic Teaching Materials Containing Al-Quran Verses". This workshop is expected to provide useful outcomes for teachers, namely research to writing scientific articles. Participants in this workshop were teachers who joined the discussion on physics subject teachers in Tanah Bumbu Regency. The activity was carried out in Banjarmasin, online. The method of activity is divided into three stages, namely preparation, implementation, and evaluation. At the preparation stage, there will be the formation of a committee, preparation of a rundown of activities, gathering of participants, and various other technical preparations related to the course of this service. The activity continues with the implementation process. The training activities were carried out in 4 meetings. The training activity began with the provision of material on Electronic Teaching Materials Contained with Al-Quran Verses. The next material is the procedure for the development and writing of scientific papers on electronic teaching materials containing the verses of the Koran. The next stage is for participants to develop a proposal and carry out the development. Participants are directed to carry out research guided by resource persons. Furthermore, participants make articles/scientific papers in accordance with the results of the research/development carried out. The evaluation stage is the final stage of this activity where the service team will evaluate the activities based on the evaluation form distributed to service partners. The activity has been successfully carried out, and the teacher finally has the ability to development and writing of scientific papers on electronic teaching materials containing Al-Quran verses.



KEYWORDS

Development; Electronic Teaching Material; Quran; Scientific Writing; Workshop



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1. Introduction

Education is every effort, influence, protection and assistance given to a child aimed at the child's maturation, or more accurately helping the child to be sufficiently capable of carrying out his own life's tasks that come from school, books, daily life cycles, and so on [1]–[3]. Graduate competency standards are qualifications of graduates' abilities that include the attitudes, knowledge, and skills of students that must be achieved from an educational unit. National education aims to develop the potential of students to become human beings who believe and fear God Almighty, have noble character, are healthy, knowledgeable, capable, creative, independent, and become democratic and responsible citizens, Law No. 20, 2003. Permendikbud No. 36 of 2018 concerning the 2013 Curriculum which is designed to develop spiritual and social attitudes, knowledge, and skills and apply them in various situations in schools and communities. Spiritual attitude is an attitude related to morals that is able to provide understanding to distinguish what is right and wrong based on faith and piety to God Almighty. The 2013 curriculum is developed in such a way that every educator is expected to be able to integrate the competence of spiritual

Corresponding Author

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attitudes related to the formation of students who are faithful and pious [4]–[6]. Every teacher who implements the 2013 curriculum must be able to present materials and learning processes that lead to the achievement of core competencies, namely spiritual attitudes [7]. Permendikbud No. 20 of 2018 Article 1 states that strengthening character education is an educational movement under the responsibility of the education unit to strengthen the character of students through harmonization of heart, taste, thought, and exercise. Exercise the heart to strengthen faith and piety and improve noble character and character so as to form a superior personality. Taste to increase sensitivity, appreciation, creativity and creativity. Thinking to build competence and independence in science and technology. Exercise to improve health, fitness and physical agility and kinesthetic skills [8]. The need for achieving spiritual attitudes in students must be maximized in learning. This includes being able to use teaching materials on certain materials that are linked to the verses of the Koran [3], [9]–[11]. Teaching materials will help teachers and students in implementing learning, especially digital teaching materials [12]–[14]. Therefore, teachers develop the latest teaching materials in digital form that contain verses from the Quran.

The development of this teaching material will be useful if the results are published in a scientific paper. Scientific articles are one of the important components in quality education [15]-[17]. Scientific articles are scientific writings that can be in the form of review articles (review articles) or research articles (research articles) from research reports that are rewritten by the authors to be published in reputable scientific journals [18], [19]. A scientific article consists of three parts, namely: the beginning, the main part, and the end. The initial section contains general matters, the main section contains the substance which includes the main content, materials, elements that are the core of the scientific paper, while the final section contains material that supports and completes, as well as the accountability of the scientific work. Scientific writing must follow the rules of good writing [20], [21]. This will be trained for service partners. The service partner in this case is a Physics Teacher in Tanah Bumbu Regency who is a member of the Tanah Bumbu Physics MGMP Forum. Efforts to write development proposals until finally publication of electronic teaching materials containing verses of the Koran need to be introduced and trained to Physics MGMP teachers in Tanah Bumbu Regency. The service that will be carried out is "Workshop on the Development and Writing of Scientific Papers on Electronic Teaching Materials Containing Al-Quran Verses". This workshop is expected to provide useful outcomes for teachers, namely research to writing scientific articles.The aims that can be taken from this activity are as follows: (1) Providing information for Physics MGMP Teachers in Tanah Bumbu Regency about development and writing of scientific papers on electronic teaching materials containing Al-Quran verses. (2) As a reference in development and writing of scientific papers on electronic teaching materials containing Al-Quran verses.

2. Method

2.1. Participants/Target of Activity

Participants of the "Workshop on the Development and Writing of Scientific Papers on Electronic Teaching Materials Containing Al-Quran Verses" are MGMP Physics Teachers in Tanah Bumbu Regency. This forum is under the auspices of the Education and Culture Office of the South Kalimantan Provincial Government. This forum consists of 22 physics teachers in Tanah Bumbu Regency, namely from 2 physics teachers from SMAN 1 Kusan Hilir, 3 physics teachers from SMAN 1 Simpang Empat, 4 physics teachers from SMAN 1 Sungai Loban, 2 physics teachers from SMAN Satui, 1 physics teacher from SMAN 2 Satui, 2 physics teachers from SMAN 1 Angsana, 1 physics teacher from SMAN 1 Kusan Hulu, 1 physics teacher from SMAN 1 Kuranji, 1 physics teacher from SMAN 1 Karang Bintang, 2 physics teachers from SMAN 1 Mantewe, 1 physics teacher from SMAS 1 Nusantara, 1 physics teacher from SMK DDI Batulicin, 1 physics teacher from SMKS Kodeco. The training is carried out online via zoom media in 28-29 October 2022. The workshop procurement was announced through various social media such as whatsapp and instagram so that potential participants knew about the activities to be carried out.

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2.2. Method of Implementation of Activities

The method of activity is divided into three stages, namely preparation, implementation, and evaluation. At the preparation stage, there will be the formation of a committee, preparation of a rundown of activities, gathering of participants, and various other technical preparations related to the course of this service. The activity continues with the implementation process. The training activities were carried out in 4 meetings. The first material, Introduction to Research and Development. The workshop was continued with material on the preparation of product feasibility test instruments (validity, practicality, and effectiveness). The next material is the Technique of Data Collection and Analysis of Product Feasibility Test (Validity, Practicality, and Effectiveness). The fourth material, Procedure for Writing Scientific Articles. Next is about Publication of Scientific Articles. This will be followed by an independent task by the participants who are guided by the service team. Furthermore, participants make articles/scientific papers in accordance with the results of the research/development carried out. The evaluation stage is the final stage of this activity where the service team will evaluate the activities based on the evaluation form distributed to service partners.

3. Results and Discussion

The process of the "Workshop on the Development and Writing of Scientific Papers on Electronic Teaching Materials Contained with Al-Quran Verses" from preparation to reporting and publication will be carried out for three months, from September 2021 to November 2021. The first material, Introduction to Research and Development. The workshop was continued with material on the preparation of product feasibility test instruments (validity, practicality, and effectiveness). The next material is the Technique of Data Collection and Analysis of Product Feasibility Test (Validity, Practicality, and Effectiveness). The fourth material, Procedure for Writing Scientific Articles. Next is about Publication of Scientific Articles. This will be followed by an independent task by the participants who are guided by the service team. This service partner is a Physics Teacher in Tanah Bumbu Regency who is a member of the Tanah Bumbu Physics MGMP Forum. This forum is under the auspices of the Education and Culture Office of the South Kalimantan Provincial Government. This forum consists of 22 physics teachers in Tanah Bumbu Regency, namely from 2 physics teachers from SMAN 1 Kusan Hilir, 3 physics teachers from SMAN 1 Simpang Empat, 4 physics teachers from SMAN 1 Sungai Loban, 2 physics teachers from SMAN Satui, 1 physics teacher from SMAN 2 Satui, 2 physics teachers from SMAN 1 Angsana, 1 physics teacher from SMAN 1 Kusan Hulu, 1 physics teacher from SMAN 1 Kuranji, 1 physics teacher from SMAN 1 Karang Bintang, 2 physics teachers from SMAN 1 Mantewe, 1 physics teacher from SMAS 1 Nusantara, 1 physics teacher from SMK DDI Batulicin, 1 physics teacher from SMKS Kodeco.

3.1. Preparation

At the preparation stage, there will be the formation of a committee, preparation of activity rundowns, gathering of participants, and various other technical preparations related to the course of this service, such as preparing materials derived from thesis output products [9], [11], making zoom links and attendance list links as well as evaluation, Fig. 1. The implementation stage of the "Workshop on the Development and Writing of Scientific Papers on Electronic Teaching Materials Containing Al-Quran Verses," Fig. 2.

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Fig. 1.Zoom Meeting Link for Workshop

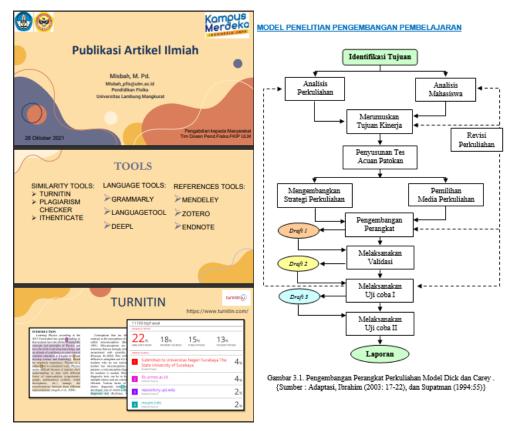


Fig. 2. Workshop Materials

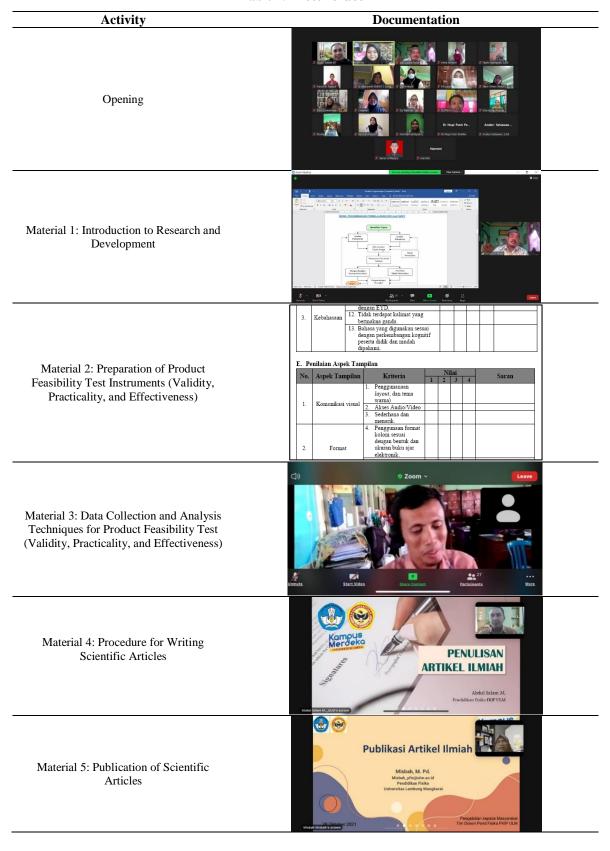
3.2. Implementation

The activity continues with the implementation process. The implementation phase of the "Workshop on the Development and Writing of Scientific Papers on Electronic Teaching Materials Contained with Al-Quran Verses" begins with the provision of material on introduction to research and development, continues with the material for preparing product feasibility test instruments (validity, practicality, and effectiveness), collecting techniques and analysis of product feasibility test data (validity, practicality, and effectiveness), procedures for writing scientific articles, and ending with material on the publication of scientific articles, see Table 1. The next stage is an independent task, namely the development and writing of scientific papers on electronic teaching materials containing verses from the Quran. Participants are directed to develop electronic teaching materials containing good Al-Quran verses that are guided by resource persons. Furthermore, participants make articles based on the feasibility test data from what has been developed.

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Table 1. Documentation



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Implementation is this part of the implementation of this community service. Implementation itself, focusing on workshop activities. This activity was attended by the target participants, namely physics teachers in Tanah Bumbu district. Active participants in exploring knowledge with workshop speakers.

3.3 Evaluation

The evaluation stage is the final stage of this activity where the service team will evaluate the activities based on the evaluation form distributed to service partners. The responses of the workshop participants were divided into 6 indicators, namely: the relevance of the material to the theme; the scope and breadth of the material; material clarity; material interest; the benefits of what is conveyed; further ease of application. Table 2 shows how the workshop participants responded to each indicator.

Indicator	Very Good	Good	Good Enough	Poor	Not Good
the relevance of the material to the theme	17.2%	82.8%	0%	0%	0%
the scope and breadth of the material	22.9%	77.1%	0%	0%	0%
material clarity	25.7%	74.3%	0%	0%	0%
material interest	31.4%	68.6%	0%	0%	0%
benefit from what is delivered	54.3	45.7%	0%	0%	0%
further convenience in application	45.7%	54.3	0%	0%	0%

Table 2. Responses of Participants

Table 2 shows that some participants gave a good response to this activity, especially in terms of the relevance of the material to the theme, the scope and breadth of the material, the clarity of the material, the interest in the material, the benefits of what was conveyed, and the ease of further application. This response shows how successful the workshop is based on the participants' responses [16], [17], [22]. This workshop is expected to provide useful outcomes for teachers, namely research to writing scientific articles. The benefits that can be taken from this activity are as follows: (1) Providing information for Physics MGMP Teachers in Tanah Bumbu Regency about development and writing of scientific papers on electronic teaching materials containing Al-Quran verses; (2) As a reference in development and writing of scientific papers on electronic teaching materials containing Al-Quran verses.

4. Conclusion

The service "Workshop on the Preparation of Electronic Teaching Materials on the Topic of Particle Dynamics Containing Al-Quran Verses" went smoothly. Teachers will eventually have the ability to independently compose electronic teaching materials for particle dynamics charged with Al-Quran verses. The teacher will implement the teaching materials that have been prepared so that problems with partners can be minimized.

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Declarations

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