

Development of Article Materials Based On Author Experience And Its Use In SMA

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Abstract— This study aims to analyze the article and get information on how to write an article from the author and then compiled it into an article text articles. The method used in this research is research and development method (research and Development). Several stages in this study include analysis of interviews with the author and the National curriculum analysis. Furthermore, from the results of analysis at this stage developed the material in the form of text articles based on the experience of the author. In this instructional material presented exposure structure, exercises, and linguistic aspects of articles that focus on the development based on the experience of the author. The developed text article material is validated first and revised based on the validation result. Furthermore, teaching materials that have been developed are tested in order to obtain satisfactory results into products that are suitable for use in learning. Learning text articles with teaching materials developed based on the experience of the author can motivate students to be more active in learning. The teaching materials used can make it easier for students to understand, differentiate, and produce articles.

Keywords— development of teaching materials; article text; author's experience

I. INTRODUCTION

The ability to write articles for students today can't be done optimally. This ability becomes one of the competencies that must be owned by SMA / MA students after following Indonesian language learning. In general, the ability to pour ideas, thoughts, and scientific views that are poured into the article form is still weakly owned by students. Though their ideas, thoughts, or views about something is very necessary to train the sharpness and sensitivity in looking at a phenomenon in his life. The development of the ability to write an article is a competence that must be delivered in learning. These capabilities are presented in the Indonesian Language Textbook, either in print or online (Electronic School Books). In general, teachers and students use BSE in learning. However, the existence of textbooks is still not sufficient in developing the ability to write articles for students. The book presents only the basic material on writing an article text, so students are less able to practice themselves in balancing knowledge with the skills in writing articles. In addition, teachers often have difficulty in selecting and determining the right teaching materials to use in learning. This is due to the fact that in the curriculum or syllabus, the teaching material is

only written in outline only in the form of subject matter. Based on the reason it required teaching materials that can guide students in practicing writing articles. The development of relatively new teaching materials is being done a lot [1]–[4] including those excavated from the field and the environment and experience. The teaching materials developed in this research is teaching materials text articles based on the experience of the author. Development of teaching materials is one alternative to reduce the saturation of learning activities in the classroom. Teaching materials that teachers develop based on one's self-experience will be able to enable students to learn. Teaching materials are all forms of systematically arranged material used to assist teachers or instructors in carrying out teaching and learning activities so as to create an environment or atmosphere that allows students to learn [5]. Teaching materials are information, tools and texts systematically arranged, featuring a complete figure of competence to be mastered by learners and required teachers or instructors, both in planning and in the implementation of learning [6]. Teaching materials related to the competence that must be controlled learners in accordance with the ones contained in the curriculum. Therefore, teaching materials is a set of subject matter that refers to the curriculum used in order to achieve the standard of competence and basic competencies that have been determined [7] and includes also a set of learning tools or tools that contain learning materials, methods, limitations, and how to evaluate systemically designed and interesting in order to achieve the expected goals [8] to achieve competence or sub competence with all its complexity. The teaching materials consist of developing knowledge, skills and attitudes. The characteristics of instructional materials are as follows: (1) can be used in schools or educational institutions and used for readers, (2) as information about science widely and deeply, (3) not published in series, (4) as a supporter of educational attainment objectives (6) improve the quality of character or personality in the inner experience of the reader, (7) the presentation of the material / content of the book may be narrative, description, poetry, dialogue or drawing[9]. The teaching materials that will be given to high school / MA students must meet the standards of eligibility, as well as the book. The feasibility standards can be seen from the content, presentation, language, and graphics [10]–[12]. The feasibility of the content has three indicators that must be considered, namely the suitability of the material with the standard of

competence and basic competence, the accuracy of the material, and the supporting learning materials. Feasibility of presentation includes presentation techniques, presentation of learning, and completeness of presentation. In terms of language feasibility, there are several indicators that must be considered, namely the appropriateness of language usage with the level of development of learners, the use of communicative language, and qualify the demands and integrity of the thinking flow, and feasibility of graduation includes the suitability of leather design with content design. In line with the above description, it can be stated that teaching materials are materials or learning materials systematically arranged and used by teachers and students in teaching and learning activities [6], [13], [14] Teaching materials are all forms of materials used to assist teachers or instructors in carrying out teaching and learning activities in the classroom The teaching materials are basically all materials (both information, tools, and text) systematically arranged, which displays the whole figure of the competence will be mastered by students and used in the learning process Teaching materials is one of the most important parts in the learning process, because in it there are some information, process guides, and evaluation that support the process of learning activities [5], [15]–[17]. The development of teaching materials based on the principle of selection of learning materials covers the principles of relevance, consistency, and adequacy [6], [18] and is done from easy start, repetition and reinforcement, motivates to learn, is done gradually, and there are achievements learning outcomes [19]. Therefore, the principle of development of teaching materials in this research is to present the material / content: (1) teaching materials have relevance to the achievement of Basic Competence; (2) teaching materials are presented consistently in accordance with the number of competencies that must be controlled by learners; and (3) teaching materials are adequate to help students master the competencies being taught. Teaching materials are all forms of materials used to help teachers and learners in order to achieve learning objectives. Teaching materials are crucial in the success of a lesson. Teaching materials should be mastered and understood by learners because it helps in achieving learning objectives. Teaching materials are usually contained in textbooks. Textbooks of lessons are also called school books containing selected materials on a particular field of study, used in teaching and learning activities, organized systematically to be assimilated. According to Bookkeeping Center "textbook is a book that used as a handle of students on a certain level as a medium of instruction (instructional), related to a particular field of study." Therefore, textbooks are school books used as guidance students in learning at a certain level of education as a learning resource for students in exploring cognitive abilities and is expected to help students in learning. In general, students experience a negative attitude in learning something they have never experienced before. The best way to eliminate fear of failure, lack of courage, lack of creativity, and others is to learn from the experience of others who fit the circumstances[20]. Children will learn best if the learning environment is created naturally. Students will feel a sense of meaning in learning if the student has experienced what he or she has learned. Therefore, in learning about how to write an article based on the experience of the author will make

it easier for students to understand it. Students will be emotionally involved, not just knowing but by trying it. Understanding the way the author in making the article is expected to transmit ideas, ideas and thoughts are poured into the teaching materials.

II. METHOD

This research is a research and development. This development is designed to obtain a product. The product in question is "Text Subject Material" which is developed based on the experience of the author. This study aims to develop text articles and articles to know the feasibility of teaching materials that have been developed. This teaching material is expected to make it easier for students to develop the creative writing ability of the article. This research uses research and development method with ADDIE model consisting of 5 stages: Analysis, Design, Development, Implementation, and Evaluation. The ADDIE model is one of the most common model used in the field of instructional design as a guide to produce effective design[21]. This model is simple and systematic so that according to the characteristics of learning media development, because it aims to develop teaching materials to write articles. This is in accordance with the opinion of Sugiyono [22] that research and development method is a method used to produce a specific product and test the effectiveness of the product.

III. RESULT AND DISCUSSION

Based on the results of interviews with the authors of the article can be known that before writing the article the author needs to first understand the structure of articles and steps of article writing. The structure of articles consisting of title, leader (opening paragraph), Body text (composed of reasons for the importance of the writing made / argumentation / data and fact-finding), and cover (re-statement). This structure as a builder of the integrity and harmony of an article, so it can produce good articles. In the preparation of articles based on the author there are some creative steps that can be developed the first is to determine the topic. In topic selection you should choose a simple and interesting topic. There are several ways to choose interesting topics such as learning from other people's topics, choosing life-related topics, choosing religious/religious topics, and selecting topics based on unique phenomena (weird and odd). After choosing a second step topic is collecting data. The existence of data in the article can increase the weight of writing. The more data that is loaded in the article the more weight the contents of the article. There are several ways to find sources of data including factual sources by plunging directly into the field to see and observe the event itself, but can also ask questions or interview people who saw the event. The third step is to make the outline or skeleton is the outline of the post. This outline is indispensable for writing that is made more directed, coherent, systematic, and complete. The fourth step is to make a closing or re-statement. This rephrase serves to reinforce the ideas offered to the reader. When finished writing, the last process is done to edit and abstract the article text. Editing process is done so that the resulting writing interesting and able to qualify the article. The results of the study can be described as follows:

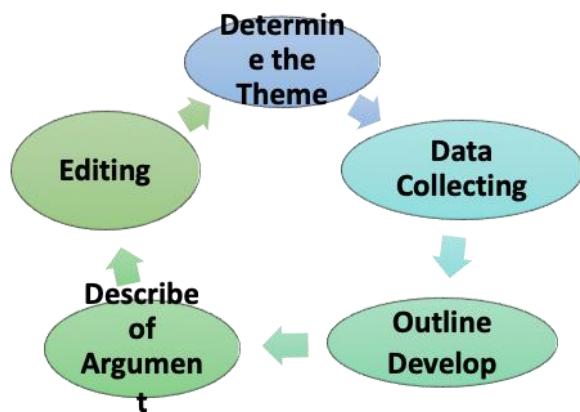


Figure 1. The process of study

Based on the creative results of the author's experience above then developed into teaching materials. The teaching materials developed can be described as follows: The Title, Mind map of material, Structure of article and samples, Language devices of article and samples. The teaching materials are further validated by expert and practitioner lecturers. There are several things that are fixed in the contents of the materials that have been prepared. These improvements include (1) a concept map provided at the beginning of the learning activities of the textbook; (2) There are additional theories in accordance with the demands of KD; (3) The addition of attractive colors and cover images. Percentage of data processing use of teaching materials to write articles based on the author's experience in:

Table 1. Authors Experience

Need	Not Need
88,67%	11,33%

Based on the results of experiments developed learning materials known to students' responses to the use of teaching materials articles based on the author's experience on learning activities as follows:

$$P = \frac{ex}{exi} \times 100\%$$

$$P = \frac{88,67}{100} \times 100\%$$

$$P = 0,8867 \times 100\%$$

$$P = 88,67\%$$

Note :

P : Persentation

$\sum x$: Number of respondents' answers in all items

$\sum x i$: The total number of ideal scores in one item

100% : Constants

From the above calculation, obtained the presentation value of 88.67%. The results of these calculations are categorized in highly qualified qualifications and can be implemented in accordance with the data in the table below:

Table 2. Teaching and learning process

Category	Presentation	Qualification	Follow-up
4	85%-100%	Very Decent	Implementation
3	75%-84%	Decent	Implementation
2	55%-74%	Poor	Revision
1	<55%	Not Feasible	Revision

Based on the results of observations during the teaching and learning process in grade XII students can be concluded that the process of learning articles by using article materials based on the experience of the authors are able to improve student activity skills. This is evidenced by the performance shown and collected to the teacher in accordance with the understanding of learning outcomes by using text articles of articles based on the experience of this author. The result of the article learning test on the students by using the teaching material of the article shows the total score of 88 average then it is in very good range. Based on the analysis of interview results can be stated that understanding the structure and steps to write an article is a must for someone before doing the creative process of writing articles. For that, the process of learning is not taught separately. Thus, teaching materials to write articles developed in this study is integrated with learning to understand the contents of the article, structure and language aspects. Furthermore the results of the analysis can be stated that the creative process of writing articles by determining the structure of the article is title, leader (opening paragraph), body text and cover or re-statement of opinion. As for finding ideas that come from the author's experience, the steps are to determine the topic and then collect the data, create an outline or framework, and the next process is to make a statement re-opinion. Similarly, the steps to write articles based on the author's experience. The results of the interview are further mapped into the basic competencies contained in the curriculum as follows (KI 3) Understanding the structure and rules of the text of articles either through oral and written; (KI 4) Compare the text of articles either through oral or written; (KI 3) Analyze the text of articles either through oral or written; (KI4) Producing text articles either through oral or written. In each of these core competencies, the explanation includes: (1) core competencies, (2) learning objectives, (3) material descriptions composed of several activities appropriate to the learning objectives, (5) samples, (6) evaluation. Then, the results of the development of teaching materials are validated by expert lecturers and practitioners to know the shortcomings and weaknesses of teaching materials that have been made in the fulfillment of criteria. The structure of the teaching materials design after the validation test includes the (1) title, (2) introduction, table of contents, (3) concept map, core competence: (KI 4) identifies parts of the text structure of the article, (KI 3) Determining the rules of the text article (K4) examines the weakness (revelation) both through oral and written. Each of these core competencies includes: (1) learning

objectives, (3) time allocation, (4) description of the material consisting of several learning activities that are appropriate to the learning objectives, (5) samples, and (6 evaluations). The results of data processing, the average value of learning achievement to write student articles 88 with a value greater than the previous values. This shows that the article material developed based on the author's experience is very effective.

IV. CONCLUSION

Based on the author's experience that the quality of this writing is determined by the understanding of the structure and the steps of writing articles generated. Once the understanding is obtained, then the process of writing articles can be done through several stages, ranging from determining the topic, determine the topic and collect data, make out line or framework, and the next process is to make a statement and the last statement is to revise or edit. Similarly, the steps to write articles based on the author's experience. The article material developed in accordance with the characteristics of the 2013 curriculum which includes, (KI 3) Understand the structure and rules of the text articles either through oral and written; (KI 4) Compare the text of articles either through oral or written; (KI 3) Analyze the text of articles either through oral or written; (KI4) Producing text articles either through oral or written. In each of these core competencies, the explanation includes: (1) core competencies, (2) learning objectives, (3) material descriptions composed of several activities appropriate to the learning objectives, (5) samples, (6) evaluation. Then, the results of the development of teaching materials are validated by expert lecturers and practitioners to know the shortcomings and weaknesses of teaching materials that have been made in the fulfillment of criteria. The structure of the teaching materials design after the validation test includes the (1) title, (2) introduction, table of contents, (3) concept map, core competence: (KI 4) identifies parts of the text structure of the article, (KI 3) Determining the rules of the text article (K4) examines the weakness (revelation) both through oral and written. Each of these core competencies includes: (1) learning objectives, (3) time allocation, (4) description of the material consisting of several learning activities that are appropriate to the learning objectives, (5) samples, and (6 evaluations). The process of learning articles based on the experience of the author can be developed well. With the teaching materials that are used as supporting facilities of the learning process can facilitate students to find the information needed, so that students can be helped in learning each competence that must be mastered. Teaching materials to write articles based on the author's experience given to students received a very positive response. This can be seen from the amount obtained from the result of filling the questionnaire of the learner to the content, appearance, and usage of the language in the teaching materials including in very good approached category.

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