Teaching Materials Needs: Student Worksheets in Exposition Text Learning

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A B S T R A K


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Indonesian language teachers in schools lack teaching materials. Even teachers don't have HOTS-oriented open teaching materials. It will impact students who have difficulty in learning because they do not have learning resources. Professional educators must be able to develop teaching materials to address the learning objectives of the 2013 Curriculum in any learning situation. The readiness of teachers to carry out the teaching and learning process can be assisted by applying teaching materials that are by the 2013 curriculum. This study aims to conduct a needs analysis survey from various research and development stages to develop and validate products and determine appropriate teaching materials. The stages of research and development are applied from the learning process, analysis of targeted learning outcomes, and analysis of students and their needs. The research subjects consisted of class X students with a population of 185 students and 2 Indonesian language teachers. The number of samples is 28 students, or 15% of the population. The first data collection technique is a questionnaire of student needs and interviews. Based on the findings and discussion, the LKS recommended by researchers is the exposition LKS with a scientific plus approach. Students can practice it and find accurate information for the exposition text with this worksheet. On the other hand, teachers can also unite and facilitate students to construct their knowledge of the text.

1. INTRODUCTION

Preparation of quality teaching and learning activities is the key to achieving learning objectives. This preparation is of high quality because it is supported by a good learning component (Heong et al., 2011; Stone et al., 2013; Syauqi et al., 2020). The learning components include learning objectives, materials or strategies, media, and learning evaluations (Hadar & Tirosh, 2019; Permana & Nourmavita, 2017; Yuanta, 2020). The linkages between these learning components require teachers to always consider the needs of students in the learning process, especially with distance learning conditions like today. Teaching materials are one of the essential learning components to be developed by teachers so that teaching and learning activities remain effective and productive (Arizona et al., 2020; Indrianto & Kurniawati, 2020; Wibowo et al., 2017). Teaching material is any kind of material used to facilitate the instructor in teaching-learning activities. The forms of the teaching materials are such as handouts, books, worksheets, brochures, leaflets, wall charts, figures, models, or mock-up (Dini, Nurhayati, 2019; Fonda & Sumargiyani, 2018;

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Parvareshbar & Ghoorchaei, 2016). A teaching material contains a set of materials arranged systematically so it could realize a situation or an atmosphere to allow learners to learn properly (Desnita & Susanti, 2017; Pratama et al., 2019). In the current learning process, the 2013 curriculum emphasizes a scientific approach. It applies scientific principles in a learning process. The scientific approach is purposed to provide understanding for learners to know, understand, and practice what they have learned scientifically (Fernández-Gutiérrez et al., 2020; Hasbullah, 2018; Izati et al., 2018). This approach teaches the learners to seek information from various sources and various processes, such as observing, inquiring, experimenting, managing, presenting, concluding, and creating for all lessons (Meilani et al., 2020; Nur et al., 2016; Suryani et al., 2019). Learners should be prepared with higher-order thinking skills to reach the 2013 curriculum objectives. Thus, they could apply the new information, new knowledge, and background knowledge; and manipulate the information to cover various answers in a new situation. Higher-order thinking skill learners could differ facts and opinions; identify the relevant information; solve problems, and conclude the analyzed information (Hamdi et al., 2018; Johanns et al., 2017; Kurniawan, 2019).

Based on the interviews with two Indonesian language teachers in the school, the teaching materials were limited. They even did not have HOTS-oriented teaching materials. At the present day, distance learning made teachers had difficulties to conduct the learning process especially when they provided effective tasks. Thus, the researchers were motivated to investigate the learners’ and teachers’ needs for the appropriate teaching materials. This research attempted to develop teaching material in the form of student worksheets with a scientific plus for exposition text in the tenth grade of Public Senior High School 3 Prabumulih. It was an effort to improve the students’ HOTS. However, before conducting the stages of the research and development, this current research attempted to describe the learners’ and teachers’ needs toward the student worksheet based on scientific plus for exposition text to improve the tenth graders’ HOTS. The higher-order thinking skill is a thinking process that involves mental activity to explore a complex, reflective, and creative experience (Dinatha & Kua, 2019; Gunada et al., 2021; Zulfiani et al., 2020). It is done consciously to reach the objectives, to obtain knowledge under the levels of analytics, synthetics, and evaluation. Learners should improve their HOTS that could be done in various manners, such as providing qualified teaching material at school (Anwar et al., 2020; Kurniawan, 2019; Ndiung & Jediut, 2020). Therefore, educators could combine various learning models to motivate the learners’ learning interest with scientific activities. HOTS development for learners could facilitate the knowledge transition process and improve their responsibilities and functions in their community (Marshel & Ratnawulan, 2020; Zulfiani et al., 2020). HOTS could be realized in an integrated learning and assessment process. HOTS question item development should follow the applied principles in terms of the writing systematics and the rules based on the cognitive levels of the learners (Kurniati et al., 2016; Wartono et al., 2018; Widana, 2020). Educators could make questions with operational verbs that are included in the cognitive analysis domain, such as analyzing, detecting, measuring, or reviewing. The evaluative-cognitive domain contains several operational verbs, such as comparing, assessing, predicting, and interpreting. Higher order thinking should be emphasized on student worksheets.

The student worksheet or known as LKPD is a part of the learning instrument. In the education world, there are several instruments for learning activities, such as syllabus, lesson plan, student worksheet, etc (Diani & Nurhayati, 2019; Indah, 2020). The learning process requires a learning instrument as the important component developed by the educators for the learners. A student worksheet or LKPD refers to sheets containing tasks to work on by the learners (Nurliatwaty et al., 2017; Pentury et al., 2019). A student worksheet contains activities and tasks to make learners actively learn and take meaningful matters from the learning process. Student worksheet is a part of printed media and becomes the teaching material. Thus, it could be used in the teaching-learning process (Marshel & Ratnawulan, 2020; Muzayyanah et al., 2020). Student worksheets may take form into learners’ understandings used to conduct an investigation or solve problems. A student worksheet may take form into understanding to do exercises and to develop cognitive aspects. It may also take form into the guideline to develop all learning aspects in the forms of experimental or demonstrative guidelines. Previous research found that the implementation of student worksheets for writing text could improve the learners’ outcomes (Agitsna et al., 2019). Learning with Higher-Order Thinking skill could make learners’ thinking critically and creatively and develop the learners’ characters while thinking. The researchers also stated that HOTS were needed by learners. Based on the experts’ arguments about student worksheets, it could be concluded that student worksheets referred to printed media in the form of sheets. They were used by learners to work on their tasks, to measure their understanding to determine the cognitive aspect development, and to determine all improvements of learning aspects. Based on the conclusion, a worksheet facilitated learners during their learning activities. It provided them not only the explanation but also guidelines to do learning activities, such as observing, experimenting, identifying, creating tables, and noting their research results on the worksheet. This research aims to conduct a need analysis survey from various research stages and
development stages to develop and validate the product and to determine what kind of teaching materials. Theoretically, this study about the learners’ and teachers’ needed toward the student worksheet is expected to contribute to educational science. It is specifically for student worksheets about exposition text. Practically, the findings of this research could be useful for learners, educators, schools, and researchers.

2. METHODS

This research was a survey of need analysis. It was originally the part of a research and development to develop and validate the products, such as teaching materials, textbooks, modules, and worksheets. The research and development study should be carried out systematically, started from the designing, developing, evaluating, and producing a product based on internal consistency and effectiveness criteria (Hakim et al., 2018). Therefore, this research would develop a student worksheet about exposition text. It was designed, developed, evaluated, validated, and checked to determine the potential effects via a systematic research procedure. This analysis stage was done to determine what steps to take in an R&D study (Azhari & Agus, 2016). Therefore, this stage could be considered as a qualitative research stage. It aimed to obtain the evidence or findings to be reviewed, interpreted, and explained. In this qualitative research, the researchers should keep the findings and the investigation process coherently (Celik et al., 2020; Goombs, 2017). Therefore, this research adopted the stages of need identification by (Diani & Nurhayati, 2019). The applied stages of a research and development study consist of instructional process identification, the analysis of the targeted learning outcomes, and the analysis of the learners and their needs. The research location was in Public Senior High School 3 Prabumulih, Southern Sumatera Province. The subjects consisted of tenth graders with a population of 185 learners and 2 Indonesian language teachers. The numbers of the sample were 28 learners or 15% of the population (Igwe et al., 2020; Tryono, 2018).

The first technique to collect the data was a questionnaire about the learners’ needs in learning exposition text, their hopes to learn it, and the expected worksheet. The obtained information would be used as considerations in developing the students’ worksheet about exposition text. The next technique was an interview. An interview is a dialog conducted by the interviewer to get information from the interviewee (Arikunto, 2010). The interview was used as a complement to the questionnaire results. It was done with the teachers and the learners. The interview was used to clarify unclear information from the questionnaire results. The questionnaire results obtained from the teachers and learners were processed objectively. They were then described. The interview results were processed objectively, described, and concluded. The conclusion was used to complement the test data as the revision of the developed student worksheets. The technique used to analyze the data is descriptive qualitative.

3. RESULT AND DISCUSSION

Results

Based on the interview results with two Indonesian language teachers of the school, they argued that writing exposition text had a purpose to propose something personal. It contained opinions or arguments of the writer to be delivered and accepted by readers. Therefore, it was the instructional purpose of the writing. Writing an exposition text should cover some skills to make the text readable. Based on the interview results with the teachers, they argued that the skills to achieve were such as sharing an opinion, arguing, and concluding. They found that writing exposition text required background knowledge that might be obtained by reading, managing information, and expressing them. The next skill dealt with higher-order thinking skills. It could be seen from the exposition text structures that required higher-order thinking skills. From the identification results and the skill analysis, the learners needed a worksheet that provided them various information, managed information into an argument, managed information into opinion, and arranged the conclusion to persuade readers. It required higher-order thinking skills because the obtained information would not be only written but also understood and expressed based on the needs. However, the learners were found to feel bored due to the out-of-date model of the teachers to deliver the materials. It could be seen from the learners’ characteristics that got more advanced. They could have found the information that they needed. They also thought that the needed information could not be always uniform but they needed pro and contra information (the interview result with the learners).

From the analysis show that, the learners had the interest to search the information autonomously. The result also showed that the highest information needs were pro and cont information, other authors’ arguments, and definitions. From the analysis, the learners needed various text genres to enrich their initial knowledge. It had a function as their writing preparations. With this information source, the learners admitted they would not be easily bored due to limited information (the interview result with the learners).
The analysis shows that learners needed a scientific approach to learn. This approach applies the scientific principles for the learning process. The scientific stages contain finding problems, formulating problems, proposing hypotheses, collecting data, analyzing data, and concluding.

The learners would be asked to construct their knowledge, understanding, and skills from the learning process autonomously. On the other hand, the educators would direct, empower, and enrich them with what they had learned. Conceptually, this approach was more humanism. It provided spaces for learners to develop based on their potentials. In this approach, learners become the learning center instead of the learning object. Based on the interview with the learners, they needed sufficient time to write exposition text. The reason was; they had to find sufficient information to strengthen their argument and to invite the readers. They preferred writing outside of the classrooms, such as at the library or home. They also found that learners would think and write better when they did the activities outside of classrooms, such as at home. From the descriptions of the learners' needs, the teachers argued they needed a worksheet that could monitor what the learners read. They also argued that the worksheet should allow learners to obtain information from various resources and apply a scientific approach to reach better higher-order thinking skills. They needed a worksheet that could accompany the writing exposition text process instead of a worksheet to check the product.

**Discussion**

The teachers' statements proved that they already had sufficient knowledge about the writing purpose and were in line with the 2017 revised version of 2013 curriculum instruction for tenth graders (Darmaji et al., 2019; Hutama, 2016; Utami et al., 2018). This finding was also found in the previous studies, found that exposition text was a text that provided information and elaborated a matter to persuade the readers (Fitri & Afni, 2020; Jamhar et al., 2020; Juariah et al., 2020; Ridodo et al., 2015). They also found a correlation between reading and writing skills of exposition text. The teachers' statements were in line with the study of (Jultia et al., 2019; Sulaslin et al., 2019; Yodeska & Nursaid, 2020). They found that learning to write exposition text could improve the learners' skills to argue, share opinions, think logically, creatively, systematically, and persuasively. Besides that, the skill to obtain was reading skill. This finding was also found, a correlation between writing exposition text and reading skills (Mustika & Susanti, 2020; Muzayyanah et al., 2020).

Thinking is a mental activity when an individual is engaged with a problem or situation to solve. The thinking skills could be classified into lower and higher thinking order skills (Amir & Wardana, 2018; Rahayuni, 2016). Higher-order thinking skill is defined as how to use the mind broadly to find new challenges. Higher-order thinking skills demand the individuals apply new information or previous knowledge and manipulate them to cover any answer possibilities in a new situation. The higher-order thinking skill learners could differ facts and opinions; identify the relevant information; solve problems, and conclude the analyzed information (Kurniati et al., 2016; Marshel & Ratnawulan, 2020). Higher-order thinking skill involves mental operations, such as classification, induction, deduction, and reasoning. Higher-order thinking skill is a thinking process that involves mental activity to explore a complex, reflective, and creative experience (Anisah & Lastutti, 2018; Pratiwi et al., 2017). It is done consciously to reach the objectives, to obtain knowledge under the levels of analytcs, synthetics, and evaluation. Learners would need various information from various genres from various sources to write. It was important because learners had different perspectives on a given topic while writing. It was also important for writing exposition text because the text aimed to persuade readers with arguments. A scientific approach is needed because it makes learners able to improve their thinking skills. This approach also focuses on progress and development rather than the product. Previous research found that scientific approach could encourage teachers to act as facilitators (Djaelani, 2019; Hariyatmi et al., 2019; Masitoh & Prasetyawan, 2020; Saryantono & Nurdiana, 2018; Setyarini, 2018; Wirapathi et al., 2019; Yanto, 2019). Thus, the learning targets were the learners.

Therefore, the researchers recommended the Scientific Plus Exposition Text Writing. The stages to conduct were Providing examples related to the topics for the learners to write; Asking the learners to read exposition text then giving them chance to ask about the text. Allowing learners to ask about the text; Providing chances for learners to find various information about exposition text from various sources; Explaining the text types: the objectives, uses, and the social context; Explaining the organizational structures of the text; Identifying the organizational structures and the language features of the text; Asking the learners to write exposition text based on the prepared scaffolding; 8) Correcting and revising the writing; Asking the learners to write the text individually; Asking the learners to broaden and analyze the text critically by reducing or adding the stages of the text; Creating an exposition text by expressing the obtained ideas.
4. CONCLUSION

With this student worksheet, the learners could train their skills and seek accurate information to be expressed in their exposition text. On the other hand, the teachers could also monitor and facilitate the learners to construct their knowledge about the text. Based on the findings and discussion, the recommended student worksheet by the researchers was an exposition-student worksheet with a scientific plus approach.

5. REFERENCES


