

# Analysis of Needs Of E-LKPD Based on Contextual Teaching and Learning (CTL) in Linear Learning for Exposition Text Materials

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## ABSTRACT

This study aims to determine the need for CTL-based E-LKPD in online learning on exposition text material. This research uses interview and survey methods. Interviews were conducted with junior high school teachers about learning problems, curriculum analysis, analysis of learning resources. The next instrument used was a questionnaire in the form of a question sheet consisting of ten questions each related to the responses of teachers and junior high school students about CTL-based E-LKPD in online learning on exposition text material. The results showed that teachers still need to improve effective and practical teaching materials in online learning. Then, students need teaching materials that are easy and efficient to apply in online learning. During this pandemic, teachers need to find ways so that students can understand the material well, as well as students need ways to easily understand material in online learning. From the results of this study, CTL-based E-LKPD in online learning on exposition text material is a good solution and is needed in online learning.

**Keywords:** E-LKPD, CTL, Online, and Exposition Text.

## 1. INTRODUCTION

Learning Indonesian in the 2013 curriculum emphasizes the importance of a balance of competence in attitudes, knowledge and skills. In addition, Indonesian language learning in the 2013 curriculum is oriented towards text-based learning. Learning Indonesian begins with increasing knowledge, types, rules, and contexts of a text, followed by skills in producing a written and spoken text. Text-based Indonesian language learning serves as a source of self-actualization for its users in socio-cultural and academic contexts [1]. There is another opinion which states that text-based learning is language learning that utilizes text (verbal and non-verbal, oral and written) to serve as a basis for learning [11]. Thus, the more types of texts that students master, the more thought structures that can be used in their social and academic life.

Learning Indonesian in grade VIII for one year for Junior High School (SMP) there are five texts to be studied, one of which is an exposition text in odd semesters. An exposition text is a text that describes the main content of thoughts, ideas, or ideas that are put into writing to provide information to the reader so that it is easy to understand and produce meaning [16]. Whereas the purpose of the exposition text is to convey a fact in an orderly, logical, and interconnected manner with the intention of explaining an idea, term, problem, process, and the elements of something, a causal relationship, and so on so that it is known by others [16].

The teacher as a facilitator must be creative, innovative, and effective in learning. Teacher creativity can be seen from the learning methods, media, and teaching materials used. One of the teaching materials used in schools is Student Worksheets (LKPD). With the LKPD, students have guidance in learning, so that students and teachers can more easily carry out teaching and learning activities, to form an effective interaction between students and educators, and can increase the activity and learning achievement of students [5, 18].

At the time of the Covid-19 pandemic, it has become an interesting conversation in various media lately. The virus, which is said to have originated in Wuhan China, is now a topic of conversation for humans around the world. As a result of this pandemic, many policies have been taken by the government, for example by conducting lockdown, social distancing, physical distancing, work from home, learning from home, and so on. Acting Director General of Early Childhood Education, Primary and Secondary Education, Ministry of Education and Culture (Kemendikbud), Hamid Muhammad said, Corona Virus Disease (Covid-19) has taught the community many things, one of which is learning to adapt using distance learning methods. [6].

According to Minister of Education and Culture (Mendikbud) Nadiem Makarim, the Minister of Education and Culture is also trying to build cooperation with various parties that focus on developing an online education system (in a network). The application of online learning requires readiness for both parties, be it from educational service

providers or from the students themselves [9]. However, online and distance learning requires technology assistance that can be accessed easily. In addition, students must know what equipment is needed for distance learning. Not all schools have provided adequate online learning services, therefore several online learning platforms can be an alternative. Likewise, technological tools such as computers, smart devices, or tablets are important.

Agreeing with the above statement, Plt. The Director General of Early Childhood Education, Primary and Secondary Education, Ministry of Education and Culture of the Republic of Indonesia, Hamid Muhammad explained, as an effort to enforce Learning Activities (KBM) in the midst of the Covid-19 pandemic, the Ministry of Education and Culture has regulated policies through circular number 4 of 2020 the Ministry of Education which contains these four things. There are four main points of the strategy adopted by Kemendikbud. One of them is online learning, both interactive and non-interactive. This needs to be done even though not all children can do it because of infrastructure factors. In this case, said Hamid, the most important thing is that learning must occur even at home, [7].

To overcome this, LKPD is needed in electronic form that meets standards, so that it is practically used and can be reached by the wider community. Student worksheets are usually in the form of printed teaching materials in the form of sheets of paper containing material, summaries, and instructions for implementing learning tasks that must be done by students which refer to the basic competencies that must be achieved [13]. Changing LKPD into digital form that can be run using computers and even cellphones or smartphones. E-LKPD provides opportunities for independent study and learning to understand written assignments as well as building effective communication between teachers and students. E-LKPD is attractive because it contains various kinds of activities. When students successfully complete the task in E-LKPD, it will increase the students' confidence and sense of success. This will be a separate motivation for students to continue to develop and link their abilities. To develop the thinking skills of students, it can be developed using a learning model *Contextual Teaching and Learning* (CTL).

The CTL model is a concept in learning that helps and makes it easier for teachers to link the material being taught with situations in the real world of students so that it can encourage students to connect and relate in real life as individuals and communities[10]. The advantage of contextual learning is self-regulated learning, meaning that students are required to be independent, active, and associate an activity that connects science problems with everyday life in meaningful ways, [4]. Electronic Student Worksheet (E-LKPD) with the CTL approach can provide motivation to students to understand the meaning of the material they are learning by linking the material to the context in the daily life of students[18].

This research has previously been conducted, first by Hidayah and Suparman in 2019 with the title "Analysis of E-LKPD Needs to Stimulate Critical Thinking Ability". The results of this study, Students' critical thinking skills are still low. Contextual Teaching And Learning (CTL) is a learning approach that can be applied to improve students' critical thinking skills. E-LKPD is given to stimulate critical thinking skills that do not yet exist. This research can be developed on the development of E-LKPD based on Contextual Teaching and Learning (CTL) to stimulate students' critical thinking skills.[3]. Second, the research conducted by Asrori and Suparman in 2019 entitled "Analysis of E-LKPD Needs according to the Problem Based Learning Model to Improve Creative Thinking Ability". The results of this study, Thinking Skills Creative students are still low. PBL is a learning model that can be applied to improve creative thinking skills. E-LKPD for integrating creative thinking skills does not yet exist. This research can be developed on the development of ELKPD with a problems based learning model to improve creative thinking skills[2].

*Third*, research conducted by Purnama and Suparman in 2019 entitled "Analysis of E-LKPD Needs to Support the CTL Learning Model to Stimulate Students' Critical Thinking Ability". Result this research, thinking ability critical students are still low. CTL is a learning model that can be applied to improve critical thinking skills. Teachers need E-LKPD that is in accordance with the CTL model, teachers need ELKPD which hopes to improve critical thinking skills. This research can be developed on the development of E-LKPD with the CTL model to improve critical thinking skills [14]. Fourth, research conducted by Kusumaningrum and Suparman in 2019 entitled "Analysis of the Needs of E-LKPD Social Arithmetic with the RME Approach to Improve Critical Thinking Ability". The results of this study, Students' critical thinking skills are still low. Learning approach that can be applied to improve critical thinking skills of students is RME. The characteristics of students have not been integrated in the teaching materials used. Teachers need E-LKPD that is in accordance with the RME approach which can improve critical thinking skills in a particular material [8].

Based on the results of previous research, there are several differences made in this study, namely in the approach, the form of learning and the material. This study is a CTL-based E-LKPD needs analysis in online learning on exposition text material. That way, E-LKPD is expected to be able to overcome learning problems during the Covid-19 pandemic, and provide solutions for distance learning, so that the desire and success in learning Indonesian, especially in exposition text material runs smoothly and as expected.

## 2. METHOD

This research uses descriptive qualitative research. This study aims to analyze the need for CTL-based E-

LKPD in online learning for exposition text material for class VIII junior high school students. Data collection techniques using interviews. Interviews were conducted with teachers and students to obtain information about learning models, student characteristics, and views on the needs of E-LKPD based on CTL in online learning for exposition text material.

In addition, this study uses a survey method using a questionnaire or questionnaire as a research instrument. The questionnaire was created using google form. This instrument is in the form of a question sheet consisting of 10 questions for the teacher and 10 questions for grade VIII junior high school students. This question is related to the need for CTL-based E-LKPD in online learning for exposition text material for grade VIII junior high school students. Questionnaires were distributed to teachers who taught exposition texts in junior high schools and to grade VIII students. Questionnaires can not only accommodate knowledge and opinions about a problem under study and interviews require a lot of time to obtain information [15]. Referring to this opinion, choosing the question sheet as an instrument is very appropriate to use.

### 3. DISCUSSION

The research instrument used the results of interviews and questionnaires about analysis of the needs of CTL-based E-LKPD in online learning for exposition text material. Starting with the analysis of learning problems in the classroom, curriculum analysis, analysis of learning resources, and analysis of questionnaires given to teachers about the analysis of the needs of CTL-based E-LKPD in online learning for exposition text material. The results of the research will be used as a reference for

The purpose of this study was to find out CTL-based teaching materials (E-LKPD) that are suitable for students and are needed by teachers and students in online learning during this pandemic, which can improve their knowledge and writing skills of exposition text.

#### 3.1. Curriculum Analysis

Analyzing this curriculum aims to determine whether the material being taught is relevant to the expected competencies. The purpose of learning is the achievement of behavior change in students after participating in teaching and learning activities. This learning objective is formulated based on certain basic competencies (KD). Based on the results of interviews with class VIII Indonesian teachers, the learning resources used in schools are in accordance with Competency Standards (SK), Core Competencies (KI), and Basic Competencies (KD) in the 2013 Curriculum which comes directly from the government, namely handbooks for teacher and student. Besides that a Curriculum analysis aims to determine whether the teaching materials used are relevant to the curriculum in Permendikbud No. 34 of

2018 regarding content standards[14]. Curriculum analysis is also used to analyze the material being taught whether the material is in accordance with the desired competence[3].

#### 3.2. Analysis of Learning Resources

Based on the results of interviews with class VIII Indonesian teachers, the learning resources used by the teacher during the learning process were textbooks and worksheets. During the Covid-19 pandemic learning resources need to be improved to make it easier for students to understand the material provided because learning is carried out online, therefore teachers need teaching materials that can be an effective and practical alternative to use in online learning, there is a need for a learning device in the form of materials teach using the Contextual Teaching and Learning (CTL) approach in online learning of exposition text material. Other research findings indicate that the availability of learning resources is needed in teaching in schools[12], then learning resources have an important role in learning, but there are still many who have not used them optimally [20].

#### 3.3. Questionnaire Analysis of the Need for CTL-Based E-LKPD in Online Learning for Exposition Text Material.

Based on the results of the analysis of a questionnaire distributed to teachers and students about the analysis of the needs of CTL-based E-LKPD in online learning for exposition text material, there were 35 respondents from the teacher and 31 respondents from students who were distributed using google form.

Based on the research results from a questionnaire given to the teacher regarding the analysis of the need for CTL-based E-LKPD in online learning for exposition text material, 60% of the teachers stated that they strongly agreed that E-LKPD (Electronic Student Worksheets) can be an effective alternative to facilitate students when learning online (online), and 40 % of teachers agree that E-LKPD (Electronic Student Worksheets) can be an effective alternative to facilitate students when learning online (online), but there are still teachers who do not use E-LKPD (Electronic Student Worksheets) when learning online ( on line). E-LKPD (Student Worksheet) can make it easier for students to understand exposition text in online learning, 62.9% of teachers strongly agree, 37.1% of teachers agree. E-LKPD (Student Worksheet) can make it easier for students to write exposition text if it is related to context, 60% of teachers strongly agree, 37.1% of teachers agree, and 2.9% of teachers disagree. E-LKPD (Electronic Student Worksheet) is a solution to facilitate online learning, 71.4% of teachers strongly agree, 25.7% of teachers agree, and 2.9% of teachers disagree. E-LKPD (Electronic Student Worksheet) based on CTL (Contextual Teaching And Learning) is an alternative to improve students' writing skills, 48.6% of teachers strongly agree and 51.4% of teachers agree. E-LKPD (Electronic Student Worksheet) is a solution to facilitate online learning, 71.4% of teachers strongly agree, 25.7% of teachers agree, and 2.9% of teachers

disagree. E-LKPD (Electronic Student Worksheet) based on CTL (Contextual Teaching and Learning) is an alternative to improve students' writing skills, 48.6% of teachers strongly agree and 51.4% of teachers agree. E-LKPD (Electronic Student Worksheet) is a solution to facilitate online learning, 71.4% of teachers strongly agree, 25.7% of teachers agree, and 2.9% of teachers disagree. E-LKPD (Electronic Student Worksheet) based on CTL (Contextual Teaching And Learning) is an alternative to improve students' writing skills, 48.6% of teachers strongly agree and 51.4% of teachers agree.

The E-LKPD (Electronic Student Worksheet) used can increase students' creativity in writing exposition text, 48.6% of teachers strongly agree, 45.7% of teachers agree, and 5.7% of teachers disagree. E-LKPD (Electronic Student Worksheet) based on CTL (Contextual Teaching And Learning) makes it easier for students to write exposition text, 54.3% of teachers strongly agree, 40% of teachers agree, 5.7% of teachers disagree. The form of electronic evaluation used is less efficient in online learning, 54.3% of teachers strongly agree, 28.6 teachers agree, 14.3% of teachers disagree, and 2.8% of teachers disagree. This form of electronic evaluation is more efficient during this pandemic, 62.9% of teachers strongly agree, 37.1% of teachers agree.

Based on the research results from a questionnaire given to students Regarding the analysis of the need for CTL-based E-LKPD in online learning for exposition text material, 54.8% of students stated that they strongly agreed if using E-LKPD (Electronic Student Worksheet), it could help when learning online (online), and 45, 2% of students agree that using E-LKPD (Electronic Student Worksheet) can help when learning online (online). Students are interested in LKPD (Student Worksheet) in an attractive and easy-to-use form in online learning, 40% of students strongly agree, 36.7% of students agree, and 23.3% of students disagree. E-LKPD (Electronic Student Worksheet) can be an alternative to make it easier to write exposition text in online learning, 32.3% of students strongly agree, 48, 4% of students agreed, 12.9% of students disagreed, and 6.5% of students disagreed. E-LKPD (Electronic Student Worksheet) helps in understanding the exposition text, 22.6% of students strongly agree, 48.4% of students agree, 25.8% of students disagree, and 3.2% of students say they do not agree. E-LKPD (Electronic Student Worksheet) when linked to context can help easily write exposition text, 25.8% of students strongly agree, 51.6% of students agree, and 22.6% of students disagree. 8% of students disagree, and 3.2% of students disagree. E-LKPD (Electronic Student Worksheet) when linked to context can help easily write exposition text, 25.8% of students strongly agree, 51.6% of students agree, and 22.6% of students disagree. E-LKPD (Electronic Student Worksheet) when linked to context can help easily write exposition text, 25.8% of students strongly agree, 51.6% of students agree, and 22.6% of students disagree.

Students find it difficult to do online learning about the exposition text if it is not linked to the context, 29% of students strongly agree, 48.4% of students agree, 16.1% of students disagree, and 6.5% of students disagree. E-LKPD (Electronic Student Worksheet) can be effective and practical in online learning, 29% of students strongly agree, 45.2% of students agree, 25.8% of students disagree. E-LKPD (Electronic Student Worksheet) can be a good solution in online learning, 35.5% of students strongly agree, 41.9% of students agree, 19.4% of students disagree, and 3, 2% of students disagreed. E-LKPD (Electronic Student Worksheet) based on CTL (Contextual Teaching And Learning) is an alternative in improving exposition text writing skills, 29% of students strongly agree, 48.4% of students agree, 19.4% of students disagree, and 3.2% of students disagree. E-LKPD (Electronic Student Worksheet) based on CTL (Contextual Teaching And Learning) on exposition text material is needed in online learning, 29% of students strongly agree, 51.6% of students agree, 9.7% of students disagree, and 9.7% of students disagree.

Judging from the results of interviews and questionnaires distributed, E-LKPD CTL based is required in online learning for exposition text material. Students prefer a real form of learning or can be implemented into a contextual form besides that students need E-LKPD compared to LKPD in learning[14]. Because it's easier, especially in today's electronic era. Then, Students also need a learning tool or device in the form of E-LKPD in learning activities, namely by using the CTL approach and it is hoped that it can facilitate and increase student motivation in building knowledge. Based on the discussion above, CTL-based E-LKPD is needed in online learning for exposition text material, this is because the form of electronic evaluation used is less efficient in online learning which has been limited to handwriting / typing, then photographed or shared, and sent via the wa application ( whatsapp), therefore E-LKPD is an effective and efficient alternative in online learning. In addition, 48.4% students said they agreed that the E-LKPD (Electronic Student Worksheet) based on CTL (Contextual Teaching and Learning) was an alternative in improving exposition text writing skills.

#### **4. CONCLUSION**

Based on the results of the CTL-based E-LKPD needs analysis in online learning for exposition text material, it can be concluded that, the form of electronic evaluation carried out during online learning is still less effective for teachers and students. The learning model used still did not make students understand the exposition text material. For the implementation of learning and student success in understanding learning is needed CTL-based E-LKPD in online learning for exposition text material.

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