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Development of Google Site-Based E-LKPD for Indonesian Language Subject, Reading Element, Grade IV Element of Elementary School

Nurtinasari[1]
[1]Muhammadiyah University of Makassar, Indonesia
Andi Paida[2]
[2]Muhammadiyah University of Makassar, Indonesia
Andi Adam[3]
[3]Muhammadiyah University of Makassar, Indonesia

Corresponding Author: nurtinasari@gmail.com, paida@unismuh.ac.id, And.adam@unismuh.ac.id

Abstract

This study is to examine the prototype, validity, practicality and effectiveness in the development of E-LKPD based on Google Site in the Indonesian language subject of reading elements for grade IV elementary school. This study was conducted at SDN 35 Tonasa II. The method used in this study is Research and Development (R&D). ADDIE development model. The results show that (1) the prototype for the development of E-LKPD based on Google Site that can be used to facilitate learning of reading elements in the Indonesian language subject of narrative text story material for grade IV elementary school students begins with an analysis of field needs. The next stage includes determining learning objectives and selecting relevant materials for the media. Then, media design is carried out according to these needs. In this study, the presentation of material in the format of relevant animated videos to increase student appeal and understanding. (2) The results of the validation test for the development of E-LKPD based on Google Site in learning reading elements in the Indonesian language subject of narrative text story material are stated to be very valid. This is indicated by the recapitulation value of 94. (3) The development of Google Site-based E-LKPD is practical because it is easy to use by teachers and students in an effort to improve narrative text reading skills. The results of the practicality test showed a value of 100 for the implementation aspect, the results of the teacher response questionnaire with a value of 94, the results of the student response questionnaire with a value of 98. This indicates the ease of use and acceptance of Google Site-based E-LKPD by teachers and

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students. (4) The effectiveness of the development of Google Site-based E-LKPD has been proven to be able to significantly improve students' narrative text reading skills during the learning process. The results of the trial showed an increase in each meeting, where at meeting I the score obtained was 75, there was an increase at meeting II, where at meeting II the score obtained was 84, and increased at meeting III the score obtained was 88. So it can be concluded that the use of Google Site-based E-LKPD in the reading element in the Indonesian language subject for grade IV students of SDN 35 Tonasa II is very effective.

Keywords: E-LKPD, Google Site, Indonesian, Reading Elements

INTRODUCTION

Education is an important factor in achieving progress for a country in preparing the younger generation to face various challenges.(Lestari & Maunah, 2022). The world of education in the 21st century faces significant challenges. The rapid development of digital technology has indirectly led to a sharp increase in technology use. The Ministry of Education continues to strive to improve and develop the Indonesian education system by continuously improving the curriculum to meet the challenges of the 21st century (Kurniasari et al., 2025). According to Minister of Education and Culture Regulation No. 103 of 2014, the characteristics of 21st-century learning require student-centered learning. The character and needs of students today are very different from those of students in previous eras. One prominent characteristic of Generation Alpha students is tech savvy. Students are very enthusiastic about digital and technological things. Current technological devices also use internet networks to access student needs.

Technological advances can be utilized in learning and become a partner for teachers in achieving learning objectives (Yudi & Fathoni, 2024). For example, student worksheets (LKPD) can be created using technology. LKPD can be presented electronically, thus called E-LKPD, or electronic student worksheets. E-LKPD are teaching materials in the form of sheets containing student learning activities packaged electronically. E-LKPD is packaged digitally, containing information in the form of text, subject matter, images, audio, and video that can be easily accessed on computers, laptops, gadgets, and other digital devices. Furthermore, E-LKPD can streamline time and narrow space, making learning more effective because it can be accessed anywhere and anytime (Suryaningsih et al., 2021, p. 1255).Indonesian language learning includes four aspects, namely listening, speaking, reading and writing. These four aspects of skills are supporting factors in conveying thoughts, ideas, and opinions, both verbally and in writing

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according to the communication context that must be mastered by language users (Paida, 2023). Reading in Elementary School (SD) is essentially divided into 2 parts, namely initial reading and advanced reading, initial reading is in grades 1-2 while advanced reading is for grades 3-6, in the curriculum it has been determined that for grades 3-6 it is advanced reading or reading comprehension because it has the goal of enabling children to understand the meaning and take advantage of the message in the reading conveyed by the author to the reader (Andi Adam, 2024).

Based on observations with two class teachers on October 28, 2024, at SDN 35 Tonasa II, it was found that the student worksheets (LKPD) used in the learning process were still classical. They used paper-based LKPDs. This condition was also supported by statements from class teachers who stated that they had never developed electronic-based LKPDs during their lessons, especially for Indonesian language subjects. Furthermore, observations conducted with students on October 29, 2024, showed thatwhere teachers do not utilize technology enough in creating teaching materials, especially LKPD, even though every teacher has a learning account that can be accessed for free, provided by the Ministry of Education, Culture, Research and Technology, so that studentsfrequently usedBooks and paper are the primary media for completing the student worksheets (LKPD) provided by teachers. Students also never use smartphones or laptops to complete the LKPD.The development of learning media using Google Sites is supported by a number of previous studies conducted by Avrilium Putri and Pratiwi (2022). This research obtained validation results from experts with very appropriate criteria, and students responded very well to the research. Therefore, it can be concluded that this interactive multimedia is very suitable for use as a learning tool or medium. Research (Prayudi et al., 2022) entitled "Development of Web-Based Interactive Learning Media Using Google Sites to Improve Student Learning Achievement" results show that the website-based learning media using Google Sites is suitable because it obtained a score that reached the appropriateness level.

Based on the background of the problem above, the formulation of the problem in this study is: (1) How is the prototype of the Google Site-based E-LKPD developed for the Indonesian language subject of reading elements for grade IV elementary school? (2) How is the validity level of the Google Site-based E-LKPD developed for the Indonesian language subject of reading elements for grade IV elementary school? (3) How is the practicality level of the Google Site-based E-LKPD developed for the Indonesian language subject of reading elements for grade IV elementary school? (4) How is the effectiveness level of the Google Site-based E-LKPD developed for the Indonesian language subject of reading elements for grade IV elementary school?. The purpose of this researchto determine the prototype, validity, practicality and effectiveness in

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developmentE-LKPDGoogle site based on the Indonesian language subject for reading elements for grade IV elementary school.

METHODE

This type of research is research and development or Research and Development (R&D). The development method used in this research is the ADDIE method. This research will be conducted inSDN 35 Tonasa II. Research time at2024/2025 academic year.The population in this study were all 22 fourth-grade students of SDN 35 Tonasa II. This study used saturated sampling. Saturated sampling means that all members of the population are used as samples in this study. The samples taken were all 22 fourth-grade students of SDN 35 Tonasa II. The techniques used to collect data in the development of E-LKPD were observation and documentation. In the data analysis technique, the resulting data were qualitative and quantitative. Qualitative data came from suggestions, responses, and input from validation sheets from media experts, material experts, teachers, and students. While quantitative data came from quantitative data analysis carried out by calculating the average score for each validation aspect and then categorizing the results from media experts and material experts.

RESULTS AND DISCUSSION

RESULTS

Analysis Stage

Needs analysis, namely determining the LKPD needed by students to improve reading elementsin the Indonesian language subject for fourth-grade elementary school students. Therefore, researchers developed a Google Site-based E-LKPD, which is believed to be able to alleviate student boredom when studying Indonesian language subjects with narrative text story material. Google Site-based E-LKPD is a medium that will provide variety in the learning process that involves students. Google Site-based E-LKPD is able to integrate text, images, and evaluations so that the information delivered is richer compared to classic LKPD.

Design Stage

Development designE-LKPDGoogle Sites-based design begins with designing the cover and designing an attractive text and image format to complement the cover. The design process is carried out using the Canva app, which can be installed or used directly in a browser/website. In the design process, what needs to be considered is the use of color, image combination, and text.

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In the development of Google Site-based E-LKPD at the design stage, the developer used bright background colors as the base color. This Google Site-based E-LKPD is made in the form of a link. In its delivery, the Google Site-based E-LKPD conveys the contents clearly consisting of "learning achievements", "learning objectives I, II, and III", "instructions for use", "let's read I, II, and III", "Formative Assessment I, II, and III" which are delivered more clearly, accurately, and in detail. Then in terms of language design, this Google Site-based E-LKPD uses simple language that is clear and easy to understand.

Development Stage

The development stage is the manufacturing processE-LKPDA Google Site-based e-LKPD product aligns with the learning objectives formulated during the design phase. After the Google Site-based e-LKPD product is created, validation is conducted by a team of experts, including material, media, and language experts, to assess the validity of the developed product and to revise it if there are suggestions for improvement. The explanation is as follows:

Google Site-based E-LKPD production

Production stageE-LKPDBased on Google Site, the process of developing or creating Google Site-based E-LKPD for Indonesian language subjects, narrative text story material for grade IV SDN 35 Tonasa II. The stages of developing or creating Google Site-based E-LKPD are as follows:

Table 1 Stages of Making E-LKPD

No	How to Produce E-LKPD
1	Developers log into their learning account to open Google.
2	After Google opens in the learning account, then type Google Site, then enter on the keyboard.
3	After the Google site opens, the next step is to create a title page.
4	Developers explore Canva for Education to design the title page, contents, and other pages on E-LKPD.
5	Next, import the title page, content, and other pages that have been created in the Canva application in each content on the Google site.
6	Copy the E-LKPD link
7	*E-LKPD*ready to use

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Implementation Stage

In this implementation phase, the developed product, the E-LKPD, has gone through validation of the teaching modules, media, and materials. Furthermore, researchers conducted a trial of the developed product. The trial was conducted on a fourth-grade class.SDN 35 Tonasa II.

Evaluation Stage

Based on the results of the trials that have been conducted, the trials show that the results of the trials obtained results stating that students are very interested in Google Site-based E-LKPD. Comments given to Google Site-based E-LKPD were also very good, in general the results of teacher comments also gave a positive impression of Google Site-based E-LKPD. This Google Site-based E-LKPD also appears to be able to increase student interest, especially in the reading element of the Indonesian language subject for grade IV. Furthermore, after going through the process of developing Google Site-based E-LKPD products, dissemination or distribution of research results was carried out to disseminate research findings to the wider community, especially teachers and prospective teachers. The dissemination that researchers carried out was by publishing scientific articles in educational journals to expand the reach of publications. Journals related to the research conducted. The results of this dissemination were to obtain feedback from colleagues and the wider community regarding their research, which was useful for future improvements. Data analysis in this study was carried out to answer the formulation of the related problems.prototype, validity, practicality, and effectiveness of Google Site-based E-LKPD.

Google Site-Based E-LKPD Prototype

Design planning stage, at this stage the researcher makes a design according to the material that has been modified by the researcher. Continued at the development stage, where after the E-LKPD is designed, it is continued with the validation test of the material, media, and modules. If the presentation obtains results of 81-100% the criteria obtained are very valid. Based on the presentation, it was found that the developed Google Site-based E-LKPD obtained very valid results. The implementation stage of the E-LKPD that has been developed and tested for validity was then tested to determine the validity value of the E-LKPD and student responses to the E-LKPD. The trial was carried out in grade IV. The student responses obtained showed student interest in the Google Site-based E-LKPD and also showed student enthusiasm when using the E-LKPD. Filling out the student response questionnaire sheet there are 12 statements about the

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Google Site-based E-LKPD, where in the trial obtained a percentage of 97%. If the percentage obtained 81-100% then the criteria obtained are very interesting. And it can be seen that the Google Site-based E-LKPD developed is an interesting media and is worth using.

The evaluation stage of the explanation above is where the trial and validity test get a very valid, appropriate and interesting value for students so thatE-LKPDGoogle Site-based learning that has been developed is able to increase students' interest in reading elements in the Indonesian language subject for grade IV. SDN 35 Tonasa II. As for the benefits of usingE-LKPDGoogle Site-based learning has been developed based on student responses, including that students can be more active in learning, as evidenced by the positive feedback that occurs during the learning process.

Validity of Google Site-Based E-LKPD
Teaching Module Validation Results

Table 2 Results of Teaching Module Validation

No	Validator 1	Indicator Number	Total Score	Validator 2	Indicator Number	Total Score
1	Very good	1a, 1b, 1c, 1d, 1e, 1f, 1g, 1h, 1i, 1h, 1m, 1n, 1o, 2a, 2b, 2c, 2d, 2g, 3a, 3b, 3c, 3d, 4a, 5b	96	Very good	1a, 1b, 1c, 1d, 1e, 1f, 1g, 1h, 1i, 1j, 1l, 1m, 1n, 1o, , 2a, 2b, 2c, 2d, 2f, 2g, 3a, 3c, 3d, 4a, 4b, 5a	104
2	Good	1k, 1l, 2e, 2f, 4b, 5a	18	Good	1k, 2e, 3b, 5b	12
3	Enough	-	-	Enough	-	-
4	Not good	-	-	Not good	-	-

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Total	114			116
Percentage	95%			97%
Assessment criteria	Very Worthy		Very Worthy	

Based on the table above, it shows that 30 items of assessment aspects with the highest score of 4, then the total maximum score is 30 multiplied by 4, the result is 120. In validator 1, there are 24 items of assessment aspects with a score of 4, then the score is 24 multiplied by 4, the result is 96. 6 items get a score of 3, then the result is 6 multiplied by 3, the result is 18, the total score of validator 1 is 114. The percentage gain is the total score of 114 multiplied by 100 divided by the total maximum score of 120, the result is 95%. In validator 2, there are 26 items of assessment aspects with a score of 4, then the score gain is 26 multiplied by 4, the result is 104. 4 items get a score of 3, then the result is 4 multiplied by 3, the result is 12, the total score of validator 2 is 116. The percentage gain is the total score gain of 116 multiplied by 100 divided by the total maximum score of 120, the result is 97%. The results of the validation of the teaching module obtained a percentage of 95% from expert validator 1 with a very feasible category, and 97% from expert validator 2 with a very feasible category. It is known fromE-LKPDGoogle Site-based in attracting students' attention so that it can increase students' interest in reading elements in Indonesian language subjects.

Media Validation Results

Media validation is obtained from a media expert validation questionnaire containing indicators that refer to the validity and feasibility aspects of the media display being developed.E-LKPDThe Google Site-based media was validated by lecturers at Muhammadiyah University of Makassar. The media validation process was conducted in March 2025 with two expert validators. The media validation results are shown in the following table:

Table 3 Media Validation Results

No	Validator 1	Indicator Number	Total Score	Validator 2	Indicator Number	Total Score
1	Very good	1d, 1e, 1f, 1g, 2a, 2b, 2c, 2e,3a,	60	Very good	1d, 1e, 1f, 1g, 2a, 2b, 2c, 2e, 3a, 3b,	60

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		3b, 3c, 3d, 4a, 4b, 4c			3c, 3d, 4a, 4b, 4c	
2	Good	1a, 1b, 1c, 1h, 2d	15	Good	1a, 1b, 1c, 1h,2d	15
3	Enough	-	-	Enough	-	-
4	Not good	-	-	Not good	-	-
Total			75			75
Percentage			94%			94%
Assessment criteria			Very Worthy		Very Worthy	

Based on the table above, it shows that 20 items of assessment aspects with the highest score of 4, then the total maximum score is 20 multiplied by 4, the result is 80. In validator 1, there are 15 items of assessment aspects with a score of 4, then the score is 15 multiplied by 4, the result is 60. 5 items get a score of 3, then the result is 5 multiplied by 3, the result is 15, the total score of validator 1 is 75. The percentage gain is the total score of 75 multiplied by 100 divided by the total maximum score of 80, the result is 94%. In validator 2, there are 15 items of assessment aspects with a score of 4, then the score is 15 multiplied by 4, the result is 60. 5 items get a score of 3, then the result is 5 multiplied by 3, the result is 15, the total score of validator 1 is 75. The percentage gain is the total score of 75 multiplied by 100 divided by the total maximum score of 80, the result is 94%. The media validation results obtained a percentage of 94% from expert validator 1 with a very feasible category, and 94% from expert validator 2 with a very feasible category. It is known fromE-LKPDGoogle Site-based in attracting students' attention so that it can increase students' interest in reading elements in Indonesian language subjects.

Material Validation Results

Validation of material obtained from the media expert validation questionnaire containing indicators that refer to the validity and feasibility aspects of the media display being developed.E-LKPDThe Google Site-based media was validated by lecturers at Muhammadiyah University of Makassar. The media validation process was conducted in March 2025 with the assistance of two expert validators. The results of the material validation can be seen in the following table:

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Table 4 Material Validation Results

No	Validator 1	Indicator Number	Total Score	Validator 2	Indicator Number	Total Score
1	Very good	1a, 1b, 1d, 2a, 2b, 2d, 2f, 3a, 3b	36	Very good	1a, 1b, 1d, 2a, 2b, 2c, 2d, 2f, 3a	36
2	Good	1c, 1e, 1f, 2c, 2e	15	Good	1c, 1e, 1f, 2e, 3b	15
3	Enough	-	-	Enough	-	-
4	Not good	-	-	Not good	-	-
Total			51			51
Percentage			91%			91%
Assessment criteria			Very Worthy		Very Worthy	

Based on the table above, it shows that 14 items of the total assessment aspects with the highest score of 4, then the total maximum score is 14 multiplied by 4, the result is 56. In validator 1, there are 9 items of assessment aspects with a score of 4, then the score is 9 multiplied by 4, the result is 36. 5 items get a score of 3, then the result is 5 multiplied by 3, the result is 15, the total score of validator 1 is 51. The percentage gain is the total score gain of 51 multiplied by 100 divided by the total maximum score of 56, the result is 91%. In validator 2, there are 9 items of assessment aspects with a score of 4, then the score gain is 9 multiplied by 4, the result is 36. 5 items get a score of 3, then the result is 5 multiplied by 3, the result is 15, the total score of validator 1 is 51. The percentage gain is the total score gain of 51 multiplied by 100 divided by the total maximum score of 56, the result is 91%. ResultsThe validation of the material obtained a percentage of 91% from expert validator 1 with a very feasible category, and 91% from expert validator 2 with a very feasible category. It is known from the examples of explanations in the Google Site-based E-LKPD that are relevant to the competencies that must be mastered by students in accordance with the curriculum.

Recapitulation of the percentage of the eligibility score for E-LKPD based on Google Site

Recapitulation of the percentage of eligibility scoresE-LKPDGoogle Site-based validators from module experts, media experts, and material experts can be seen in the following table:

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Table 5 Recapitulation of Percentage Scores for Feasibility Aspects

No	Aspect	Validator 1		Validator 2	
		Percentage Score	Information	Percentage Score	Information
1	Teaching Module	95%	Very Worthy	97%	Very Worthy
2	Media	94%	Very Worthy	94%	Very Worthy
3	Material	91%	Very Worthy	91%	Very Worthy
Average		93%	Very Worthy	94%	Very Worthy

Based on the recapitulation results, it shows that the average percentage of the feasibility aspect score obtained a percentage of 93% from expert validator 1 with a very feasible category, and 94% from expert validator 2 with a very feasible category.

Practicality of Google Site-Based E-LKPD

Observation of implementation using Google Site-based E-LKPD

Observation of the implementation of learning using Google Site-based E-LKPD for the Indonesian language subject on the reading element of grade IV studentsSDN 35 Tonasa II, observed by a fourth grade teacher. The observer observed the implementation of learning usingThe Gutman assessment scale consists of Yes and No answer choices. Yes if implemented and No if not implemented. The scores and criteria obtained can be seen in the table below:

Table 6 Results of Observations on Learning Implementation

Observer	Score	Criteria
Fourth Grade Teacher	**16/16 x 100 = 100**	Very Valid

Based on the observer's observation results in the table above, where the number of observation aspects is 16 items, all of which are checked and implemented (attachment 5 page 141), then overall the implementation of learning is stated to be very appropriate/very good. The results from the observer who is a grade IV teacher stated that the implementation of learning obtained a score of 100. So, based on the assessment scale table, the implementation of learning qualifications is stated to be very practical.

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Teacher Response

Teachers' responses to the practicality of using Google Site-based E-LKPD for reading elements in the Indonesian language subject for grade IVSDN 35 Tonasa II was assessed by a fourth-grade teacher. The assessor completed a questionnaire on the teacher's responses to practicality.E-LKPDThe Google Site-based assessment uses a rating scale, with the answer options being very practical, practical, impractical, and very impractical. The scores and criteria are shown in the table below:

Table 7 Results of the Teacher Response Practicality Questionnaire

Respondents	Score	Criteria
Fourth Grade Teacher	34/36 x 100 = 94	Very Practical

Based on the results of teacher responses to the practicality of Google Site-based E-LKPD in the table above, it can be seen that the number of teacher response questionnaire statements is 9 items with the highest score of 4, so the maximum score is 36. The teacher response questionnaire score is 34, where there are 7 statement items with a score of 4, so the score is 28, and 2 statement items with a score of 3, so the score is 6 which is added to the score of 28, the result is 34. Then the score of 34 is divided by the maximum score of 36 multiplied by 100 to get a score of 94 (attachment 5 page 143). Overall, the teacher's response to practicality is stated to be very practical. The results obtained from grade IV teachers state that Google Site-based E-LKPD is very practical with a score of 94.

Student Response

Student response questionnaires are needed to see the effectiveness of using Google Site-based E-LKPD on reading elements in the Indonesian language subject for grade IV.SDN 35 Tonasa II. A total of 18 respondents from grade IV of SDN 35 Tonasa II. The results of the students' responses can be seen in the table below:

Table 8 Results of Student Response Questionnaire

Respondents	**Score**	**Criteria**
Fourth Grade Students	1040/1056 x 100 = 98	Very Effective

Based on the results of student responses to the effectiveness of using Google Site-based

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E-LKPD on the reading element in the Indonesian language subject for grade IVSDN 35 Tonasa IIIn the table above, it can be seen that the number of student response questionnaire statements is 12 items with the highest score of 4, so the maximum score of the questionnaire is 48. The total score obtained is 1040 (attachment 5 page 148). The total maximum score of 1056 is obtained from the maximum score of the questionnaire 48 multiplied by the number of students 22, the result is 1056. The score of 1040 multiplied by 100 divided by the total maximum score of 1056 results in a score of 98. Overall, the student response to practicality is stated to be very practical. The results of the response of grade IV students state that Google Site-based E-LKPD is very practical in learning with a score of 98.

EffectivenessGoogle Site-Based E-LKPD

The effectiveness test aims to determine the extent to which Google Site-based E-LKPD is effective in the reading element in the Indonesian language subject for grade IV.SDN 35 Tonasa II in its use.The Google Site-based e-LKPD trial aimed to assess the effectiveness of using it. The group trial was conducted with 18 fourth-grade students. The results of the student trial are shown in the table below:

Table 9 Results of Reading Element Trial

Serial No.	Meeting I	Meeting II	Meeting III
1	81	88	94
2	69	75	88
3	75	88	94
4	81	88	94
5	69	75	88
6	69	75	88
7	81	88	94
8	69	75	88
9	81	88	94
10	75	88	88
11	81	88	88
12	75	88	88
13	75	88	88
14	81	88	81
15	75	81	81
16	81	81	81

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17	75	81	81
18	75	81	81
19	69	88	94
20	75	81	88
21	75	81	88
22	69	88	88
Amount	1656	1842	1937
Average	75	84	88

Based on the table above, it can be seen that there was an increase in each meeting, where in the first meeting the score obtained was 75 obtained from the result of dividing the total score obtained in the first meeting, namely 1656 divided by the number of students, namely 22, thus obtaining a score of 75. There was an increase in the second meeting, where the second meeting score was 84 obtained from the result of dividing the total score obtained in the second meeting, namely 1842 divided by the number of students, namely 22, thus obtaining a score of 84, and increased in the third meeting the score obtained was 88 obtained from the result of dividing the total score obtained in the third meeting, namely 1937 divided by the number of students, namely 22, thus obtaining a score of 88. So it can be concluded that the use of Google Site-based E-LKPDin the reading element in the Indonesian language subject for grade IV students at SDN 35 Tonasa IIvery effective.

DISCUSSION

Based on the problem formulation, namely the description of the Google Site-based E-LKPD prototype developed for the Indonesian language subject of reading elements for grade IV of Elementary School. The resulting E-LKPD product is a digital worksheet that can be used by students for independent learning or in classroom learning activities. This Google Site-based E-LKPD contains a main page that displays menus that make it easy for students to access various features, such as reading materials, practice questions, and evaluations. Then the reading material feature displays texts that are in accordance with the Indonesian language curriculum for grade IV, equipped with attractive images to improve student understanding. The practice question feature provides types of questions that can help students improve their reading skills. The evaluation feature allows teachers to monitor student progress and provide constructive feedback.

This research resulted in a Google Sites-based e-LKPD (learning resource) that can be

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accessed from various devices, allowing students to learn anywhere and anytime. The resulting e-LKPD facilitates teachers in monitoring student progress and providing feedback. It is equipped with interactive features that can increase student engagement in the learning process. This supports 21st-century learning, where e-LKPD can be designed to include activities that encourage students to think creatively and innovatively. The results of this study are supported by relevant research conducted by Sitti Suryaningsih and Riska Nurlita (2021) which shows that the development of innovative E-LKPD is very important to meet the demands of 21st-century learning where education must focus on developing skills and competencies relevant to the needs of the modern era such as the use of digital technology to solve problems and learn effectively. The results of this study are expected to be used in the development of innovative E-LKPD in the learning process. The level of validity of the Google Site-based E-LKPD developed in the Indonesian language subject of reading elements for grade IV Elementary School. The results of the validation of the teaching module with 5 indicators consisting of the format of the teaching module, the content of the teaching module, the language used, the time used, the presentation method used with 30 assessment aspects by the validator in the first validation with a total score of 114 percentage 95%, in the second validation with a total score of 116 percentage 97%. The results of media validation with 4 indicators consisting of media display, content, benefits, language used with 20 assessment aspects by the validator in the first validation with a total score of 75 percentage 94%, in the second validation with a total score of 75 percentage 94%. The results of material validation with 3 indicators consisting of content, language, writing, display, benefits with 14 assessment aspects by the validator in the first validation with a total score of 51 percentage 91%, in the second validation with a total score of 51 percentage 91%. Based on the validity level of E-LKPD based on Google Site, it is stated to be very valid and very feasible.

The results of this study are supported by relevant research conducted by Anjelika Kurotul A'yuni et al (2024) which showed that the product validity results were obtained through assessments by media experts with a percentage of 85.4%, material experts 92.5%, and language experts 75.5%. The results of the feasibility test were assessed by teachers with a percentage of 95% in the very feasible category. The results of increasing student self-efficacy were obtained through student response questionnaires with an N-Gain value of 0.81 in the high category. Based on the data obtained, the electronic student worksheet based on Google sites on cultural diversity material has been proven to be able to increase the self-efficacy of fourth grade students and is suitable for use. The practicality level of Google Site-based E-LKPD developed in the Indonesian language subject of reading elements of grade IV Elementary School. The results of the practicality

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test on the implementation test in three learning activities consisting of preliminary activities, core activities, and closing activities with 16 observation aspects obtained a score of 16 with a percentage of 100%. The results of the teacher's response practicality questionnaire with 4 indicators consisting of attractiveness, ease of use, functionality and use, reliability and economy with 9 statements obtained a score of 34 with a percentage of 94%. The results of the student response questionnaire with 5 indicators consisting of attractiveness, interest/motivation, ease of use, functionality and use, reliability and economy with 12 statements obtained a score of 1040 with a percentage of 98%. Based on the practicality level, the Google Site-based E-LKPD is declared very practical.

The results of this study are supported by relevant research conducted by Bob Syahrial Ghozali et al (2024) which showed that the practicality test with student responses to the use of interactive e-modules was 93.5% with very good criteria, and the implementation of learning using Google Sites-based e-modules was 93.2% with a very practical category. The results of the n-gain analysis showed that the use of Google Sites-based e-modules can improve evidence-based reasoning skills by 0.96 with a high category. The implication of this research is that the results of the development of Google Sites-based e-modules can be an alternative learning support, to improve evidence-based reasoning skills and provide convenience and build students' knowledge in understanding learning materials. The level of effectiveness of Google Site-based E-LKPD developed in the Indonesian language subject of reading elements for grade IV of Elementary School. The trial results showed an increase in each meeting, where in meeting I the number of scores obtained was 1656 with an average value of 75, there was an increase in meeting II, where in meeting II the number of scores obtained was 1842 with an average value of 84, and increased in meeting III the number of scores obtained was 1937 with an average value of 88. So it can be concluded that the use of Google Site-based E-LKPDin the reading element in the Indonesian language subject for grade IV students at SDN 35 Tonasa IIvery effective. The results of this study are supported by relevant research conducted by Desy Eka Muliani et al. (2023), which showed that the Google Sites-based teaching materials were highly effective, with a score of 3.63 in the validation by design experts and material experts. Practicality: 12 students obtained an average score of 3.3 in the practical class. Therefore, it can be stated that the development of Google Sites-based teaching materials is effective and practical.

CONCLUSION

It can be concluded that (1)The prototype of the development of Google Site-based E-LKPD

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that can be used to facilitate the learning of reading elements in the Indonesian language subject, narrative text story material for fourth grade elementary school students begins with an analysis of field needs. The next stage includes determining learning objectives and selecting relevant materials for the media. Then, media design is carried out according to these needs. In this study, the presentation of materials in a relevant animated video format is to increase student interest and understanding. (2) The results of the validation test for the development of Google Site-based E-LKPD in learning reading elements in the Indonesian language subject, narrative text story material, are stated to be very valid. This is indicated by a recapitulation value of 94. (3) The development of Google Site-based E-LKPD is practical because it is easy to use by teachers and students in an effort to improve narrative text reading skills. The results of the practicality test show a value of 100 for the implementation aspect, the results of the teacher response questionnaire with a value of 94, the results of the student response questionnaire with a value of 98. This indicates the ease of use and acceptance of Google Site-based E-LKPD by teachers and students. (4) The effectiveness of developing Google Site-based E-LKPD has been proven to be able to significantly improve students' narrative text reading skills during the learning process. The trial results show an increase at each meeting, where at meeting I the score obtained was 75, there was an increase at meeting II, where at meeting II the score obtained was 84, and an increase at meeting III the score obtained was 88. So it can be concluded that the use of Google Site-based E-LKPDin the reading element in the Indonesian language subject for grade IV students at SDN 35 Tonasa IIvery effective.

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