

The Development of Personal Letter Material Through Flipbook to Enhance Student's Reading Comprehension

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Abstract:

In this sophisticated era, the learning process is very minimal using books. Most students are more interested in learning by using applications as learning media, because it is fun and not boring. One of the applications that can be used as learning media is the Flipbook application. This Flipbook application can enter data in the form of images, videos, music, keys, animations, and also links to other sources into one. Based on the researcher's experience while teaching, the researcher found several problems that occurred in students, namely the low interest in reading students in English lessons. This research was conducted to find out whether this Flipbook application can improve students' reading skills in English lessons about personal letters to 11th grade students of one Pekanbaru High School. Researcher used the research and Development (R&D). There are three classes in grade XI, namely grade XI IPA 1, XI IPA 2, and XI IPS with a total of 72 students. The researcher took samples in class XI IPS with a total of 32 students. After conducting the research, the researcher found an increase that has been seen from the t-test. The t-test score obtained is 29.62%, while the p-value is 0.000 < 0.05. Based on the results of the research, it can be concluded that there is an increase in reading comprehension ability regarding personal letters in one of the preparatory high schools in Pekanbaru.

Keywords: *Development, Flipbook, Reading Comprehension*

1. INTRODUCTION

Education plays a very important role for students. The more advanced the current era makes education must develop better to balance it. One of the lessons in education is English. There are four skills in learning English, namely listening, speaking, reading, and writing. According to Horowitz-Kraus, Tzipi, Yingying Wang, Elena Plante, (2014), reading comprehension is a difficult cognitive activity that requires the reader to be deliberate and attentive when reading, keeping track of the words and their meaning as they are read. Reading in English must be carefully because the meaning of each word must be different. There are also vocabulary words in English that have meanings that are not just one. The ability to read English is certainly not easy. According to Tafonao, (2018), learning media can be used to inspire students' thoughts, feelings, attention, and interest in learning by demonstrating the sender's faith in the recipient. Of course, the media is necessary for the learning process as one of the tools in the continuation of teaching and learning. Media learning and understanding consist of five elements. First, as a method of disseminating knowledge or instruction. Secondly, as an educational tool.

Thirdly, to increase motivation for those who are learning. Fourthly, as a beneficial tool for completing learning. Fifth, as a means of developing and strengthening skills (Hasan, 2021); (Ahmad, 2018); (Kasriyati, 2018).

According to Pourhosein Gilakjani & Sabouri, (2016) using an effective reading strategy, reading is an interactive activity where the reader and the author work together to create an image that captures the meaning of the text or paragraph. Keenan et al., (2008) emphasized that effective management of several processes and skills at both the lower and higher levels, as well as broad insight, are required for reading comprehension. There are many techniques to make reading comprehension easier. According to Yusuf, Qismullah, Yunisrina Qismullah Yusuf, Burhansyah Yusuf, (2017) in reading, there are two methods; scanning and skimming. One phrase that is frequently used when searching for a term in a dictionary or phone book is "scanning.". Key words or ideas are frequently used in searches. In the meantime, skimming is a method for finding the text's primary topic fast (Ibrahim, 2017).

From the experience of researcher during teaching at SMA PGRI Pekanbaru, the researcher observed that students are not too interested in learning with the learning media. In addition, students' reading ability in English is still a little less good. Therefore, the researchers want to develop other learning media, namely Flipbook as another alternative as a learning medium intended for students to have a higher interest in learning English, especially in reading skills. Therefore, researchers conducted research using the Flipbook application to find out whether there was an increase in students' reading skills after this learning media was implemented or not. In this Flipbook learning media, researcher will use material about Personal Letter.

The use of instructional media can facilitate the process of understanding students in learning. One of the learning media the researcher had learned is the Flipbook application. According to Nurseto, (2011), the Flipbook application refers to a set of paper sheets that are roughly in the shape of an album or calendar and measure 21 by 28 cm. This application can present learning materials in the form of sentences, images or videos, and has colors that are able to increase student interest in learning. This Flipbook application can enter data in the form of images, videos, music, keys, animations, and links to other sources into one. The forms of stimulus that can be used as media are socialization and human interaction, moving images, writing, and finally recorded sound. Not only can it convert files to PDF format, but this Flipbook app can also convert Words, PowerPoint, and Excel with more diverse forms of output formats. Examples such as EXE, HTML, ZIP, and App. Maknun et al., (2023) highlighted how a printed book lacks many of the exciting characteristics of the multimedia Flipbook (e-book), which has a hypermedia style. According to numerous studies, using digital books packaged as Flipbooks enhances the effectiveness of the process and the learning outcomes of students (Isnaeni & Agustina, 2018). This makes this application can be used on smartphones, laptops, and PCs because it only requires one download, flipbook are a learning tool that students may use at any time and read repeatedly (Okryanida & Sumarni, 2021)

The definition of a personal letter according to Beding (2021), a personal letter is one that informs the recipient of the message, has a specific aim, or contains information for that purpose. When the recipient fully comprehends the letter's contents, it is considered that the letter is effective. Based on this statement, a personal letter is a text that has a certain meaning to serve as a tool to convey information to readers and when the reader can understand the meaning of the letter correctly, it can be said that the letter is good. There are several considerations to make when writing a personal letter in order to ensure

that the message is effectively conveyed to the reader. These factors include following the right format, focusing on the letter's purpose and content, and using the right linguistic standards (Tu et al., 2021).

2. METHOD

The researcher used the Research and Development (R&D) research method. The Research and Development method is a research method used to produce a certain product and to test whether the product is effective or not. This R&D technique allows to produce a product and the testing of its effectiveness. Additionally, the R&D technique seeks to discover, create, and validate a product (Rumetna et al., 2020). Research and Development (R&D) is a research technique used to create or verify educational and learning-related goods (Hanafi, 2017).

The product that will be developed by researchers is Flipbook which is a digital learning media in the world of education. The researcher chose to develop this learning media to increase students' interest in learning English, especially in students' reading skills. The number of students' who think that reading is a boring thing, especially in reading English vocabulary which makes students' low interest in reading even greater. In this research, the model used by researcher is the ADDIE model which stands for Analysis, Design, Development, Implementation, and Evaluation. The use of ADDIE can facilitate researcher in developing products or learning media in a structured manner. The ADDIE model is one of the models for creating learning systems that demonstrates the essential steps of an easy to used learning system (Cahyadi, 2019).

Participants and the location investigation

This research was in SMA PGRI Pekanbaru. The researcher will collect student data and also the learning outcomes of students at eleventh grade of SMA PGRI Pekanbaru. After the researcher collects the data, the data will be processed and analyzed in order to see the improvement of student learning outcomes, especially in students' English reading skills by using Flipbook learning media. The researcher chose this school as a place for their research because the researcher found several problems that must be observed and resolved. The researcher will conduct research on XI grade students of SMA PGRI Pekanbaru with a total of 3 classes, consisting of XI IPA 1, XI IPA 2, and XI IPS. The total number of students in grade XI is 73 students. The researcher take samples in class XI IPS with a total of 32 students. Data collection conducted in this study was in the form of interviews, expert team validation, pre-test, and post-test.

Data Collection and Analysis

Table 1. *The Formula of Pre-Test and Post Test*

Group	Pre-Test	Treatment	Post-Test
Experiment Class	O ₁	X	O ₂
Control Class	O ₃	-	O ₄

Explanations:

O₁ = Pre-Test (Experiment Class)

O₃ = Pre-Test (Control Class)

X = Treatment given in experimental class using Flipbook application

O₂ = Post-Test (Experiment Class)

O₄ = Post-Test (Control Class)

Result Test Analysis

Tests that are used to compare the level of learning outcomes produce data analysis. To compare the outcomes of the pre-test with the post-test, learning outcomes are acquired. The t-test, as in the formula by, may be used to determine the rate of comparison (Sugiyono, 2012: 272-274):

$$t = \frac{\bar{X}_1 - \bar{X}_2}{S \sqrt{\frac{1}{n_1} + \frac{1}{n_2}}}$$

Description:

- t = Score of t count
- \bar{x}_1 = Mean of score test-1 (pre-test)
- \bar{x}_2 = Mean of score test-2 (post-test)
- s_1^2 = Control class sample variance
- s_2^2 = Experimental class sample variance
- n_1 = Number of control class respondents
- n_2 = Number of experimental class respondents

3. FINDINGS AND DISCUSSION

The researcher gathered information for this section through pre-test and post-test reading comprehension results as well as learning process observations. The following table shows how the student scores have improved.

Based on the table of pre-test and post-test scores, there is an increase in the score of the results from the pre-test average score of 61.43 and the score of the results from the post-test average score of 91.06. Students who scored <67 on the pre-test question were 15 students and students who scored >67 on the post-test question were 17 students. During the research process, when the pre-test questions were distributed to students, students seemed to lack understanding and were confused to answer the questions due to lack of explanation. However, after the researcher used Flipbook as a learning tool, students started to comprehend and comprehend the text's content. As a result, students got the chance to share their thoughts regarding the material that had been delivered earlier at the conclusion of the research session.

Table 2. *Paired Samples Statistic*

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	POST TEST	91.0625	32	12.71509	2.24773
	PRE-TEST	61.4375	32	15.46680	2.73417

The table 2 is a calculation table using SPSS as a measuring tool for the results of the pre-test and post-test questions. The researcher set the Minimum Completeness Criteria with a value of 67. The average value of the results of the students' pre-test questions is 61,43. While the average value of the results of the students' post-test questions is 91,83. The number of students who worked on pre-test and post-test questions conducted by researchers as data to be analyzed by researcher in order to measure the reading

comprehension skills of students in class XI IPS was 32 students. From these data, there is student development in their reading comprehension skills.

Table 3. *Paired Samples Test*

					95% Confidence Interval of the Difference		T	Df	Sig. (2-tailed)
		Mean	Std. Deviation	Std. Error Mean	Lower	Upper			
Pair 1	POST TEST and PRE-TEST	29.62500	15.64268	2.76526	23.98521	35.26479	10.713	31	.000

The table 3 shows the results of calculations using SPSS to measure the results of the pre-test and post-test. In the table it is significant $0.000 < 0.05$, which means that there is a significant difference in student scores before and after the Flipbook learning media is implemented. Therefore, it can be concluded that there is an increase achieved by students as a form of satisfaction.

Problems with kids who lack reading comprehension skills were discovered in this research. According to the data that has been analysed, the Flipbook learning media is one of the learning tools that can aid students in class XI IPS SMA PGRI Pekanbaru in developing their reading comprehension skills. Flipbooks, a sort of digital learning medium, will have content provided in a variety of media, including text, graphics, and videos that complement the learning material (Perdana et al., 2021).

Students can focus on the reading text and are able to understand the text through the Flipbook application. The students look more responsive and carefully read the text in the Flipbook application. Not only that, but there is also a significant increase in the results of the t-test scores that have been carried out by researcher. The t-test score obtained is 29.62%, while the p-value is $0.000 < 0.05$.

4. CONCLUSION

As one of the educational resources, learning media is crucial to the learning process. A learning tool that is simple to understand when utilized in the learning process, such as when learning English, is the Flipbook application. Due to the learning media's numerous engaging features that are simple to understand and inspire students to learn, this application can help students understand how to learn better. The learning process for students has significantly improved both before and after the use of this learning tool. The improvement in kids' reading comprehension abilities demonstrates how fulfilling this situation is. Based on the findings that have been carried out by researchers whose validation has been proven using SPSS, it can be concluded that the learning media developed by researchers attracts students' attention, as in the quote (Pahmi, 2019), the use of media can overcome the problems faced by many students regarding difficulties in understanding English texts.

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