



# Improving students' literacy skills through PBL model and interactive media canva class v theme II clean air for health at Pelita Private Elementary School

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## ABSTRACT

Pelita Private Elementary School fifth graders were studied. Pelita Private Elementary School has 30 fifth graders – 14 boys and 16 girls. Students' reading, writing, and interest in reading suffer from the teacher's boring and versatile materials. In class, students don't understand literacy. Pelita Tanjung Morawa Private Elementary School's fifth-grade primary connection test and author's homeroom teacher interviews determined Cycle I's difficulty. This study examined students' reading skills. The researcher tested students' reading skills before cycle 1. Grade 5 literacy tests average 15%. VA students excelled. Low comprehension. This initial literacy test will help create activities and learning scenarios. Canva's interactive media improves student subject matter literacy in Cycle I. Air quality. Students' reading abilities were assessed using Canva's powerpoints. Health requires clean water. Student disinterest in reading invalidates this study. Before cycle 1, the researcher assessed students' primary reading skills. Fifth-grade researchers read 15%. Grade 5 A students have low comprehension. Canva's interactive media creates learning scenarios and activities from this initial literacy assessment. Some cycle II initiatives improved performance. Pelita Private Elementary School fifth graders used tests and questionnaires in lesson II in 2022/2023. 30% were middle class and 61.65% lower class. Pelita Private Elementary School 5th graders understood exam results with 61.65% very good, 30.15% good, 8.2% fair, and 0% poor. Students' reading comprehension is reading interest. 57.2 percent of students like reading and understand. Researchers found that Canva's attractive interactive media increased students' reading interest. Canva's interactive media improves students' reading and writing.

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## INTRODUCTION

Education is a conscious and purposeful effort, both inside and outside the classroom, to help people reach their full potential deliberately carried out (Wulansari, 2017). According to Article 1 of the National Education System Law No. 20 of 2003, education is a deliberate human effort to realize their potential through learning. Article 20 Paragraph 3 of the 2003 Constitution The aim of national education is to develop the ability of students to become human beings who have faith and believe in God Almighty, have noble character, are healthy, knowledgeable, capable, creative, independent and independent. become. democratic and responsible citizens (Jusnadi, 2016).

National education develops skills and forms valuable national character and civilization in order to educate the nation's life, and seeks to develop opportunities for students to become human beings who believe in and fear God Almighty, have noble character, are healthy, knowledgeable, capable, creative, independent and become democratic and responsible citizens. The education system according to RI Law no. 20 of 2003, that is. all parts of education that are integrally related to achieving national education goals. Curriculum is a guide for education. Curriculum is a set of plans and arrangements regarding objectives, content and learning materials, as well as the methods used in organizing learning activities as a guideline for achieving certain educational goals (Hakim, 2016).

The 2013 curriculum aims to prepare Indonesian people to live as human beings who are faithful, productive, creative, innovative and emotional that can contribute to the life of society, nation, state and world civilization. So that teachers can choose learning materials that support the goals of the 2013 curriculum when studying at school. The 2013 curriculum uses a scientific learning approach which includes thematic learning. Thematic learning is learning with several topics that are combined to provide experience to students (Kartini & Rusman, 2018). Plans and students' circumstances influence the success of thematic learning. According to (Rusman, 2017), teachers must be observant in identifying each indicator they use.

In addition, in carrying out learning, the teacher must choose learning materials that are appropriate to the characteristics of the students in the class. Canvas-based interactive media can be used as teaching materials. Learning materials in the form of interactive media must attract students' attention to increase students' interest in reading and curiosity. Reading is the process of receiving messages conveyed through words orally and in writing (Tarigan, 2008). This is different from what Haryadi said that reading is a process of responding to reading.

According to (Ayumi et al., 2021), reading is a process that involves physical and mental as well as complex activities. Based on the opinion of several experts, it can be concluded that reading is an activity that creates a reaction to reading which includes receiving messages physically and mentally as well as delivering them orally and in writing. The reading ability of Pelita Private Elementary School, especially among fifth grade students, is still weak and has not developed optimally. Teachers only use teacher-centered learning models (teacher center) when delivering material, so they are not able to encourage students to actively participate in the learning process (Catalano & Catalano, 1999). Such learning conditions do not encourage the development of student learning potential. This condition is based on one-way communication only, which is centered on the teacher and requires students to just sit, be quiet, listen, and take notes. This causes passive students (Dole et al., 2016; Hutasoit, 2021).

The differences in previous research aimed to determine the effect of the Canva-assisted Problem Based Learning (PBL) learning model on student well-being and science learning outcomes for fifth grade elementary school students (Nefillia & Reinita, n.d.; Santi et al., 2023; Untari & Rahayu, 2022). The research method uses a quantitative research design with research instruments in the form of questions and questionnaires given during the pretest and posttest. Data analysis used the Mann Whitney test statistic for independent sample test data and the Wilcoxon test for dependent sample test data. The population used was all fifth grade elementary school students from four elementary schools in Subang district. while in this study on National education develops skills and forms valuable national character and civilization in order to educate the nation's life, and seeks to develop opportunities for students to become human beings who believe in and fear God Almighty, have

noble character, are healthy, knowledgeable, capable, creative, independent and become democratic and responsible citizens. The education system according to RI Law no. 20 of 2003, that is. all parts of education that are integrally related to achieving national education goals. Curriculum is a guide for education. Curriculum is a set of plans and arrangements regarding objectives, content and learning materials, as well as the methods used in organizing learning activities as a guideline for achieving certain educational goals

Based on the problems mentioned above, one way to improve the learning process is to apply an innovative and creative learning environment that invites students to actively participate in the learning process. So as not able to encourage students to participate actively in the learning process. Such learning conditions do not encourage the development of student learning potential. This condition is based on one-way communication only, which is centered on the teacher and requires students to just sit, be quiet, listen, and take notes. This causes passive students (Holt et al., 2019; Pishghadam et al., 2021).

Based on the description above, the researcher plans to conduct classroom action research to improve students' reading skills with the title "Efforts to improve students' reading skills through a problem-based learning model with interactive media Canva Class 5 Topic 2 Clean air for health at Pelita Private Elementary School.

## RESEARCH METHODOLOGY

This research was conducted in class V of Pelita Private Elementary School. This type of research is class active research. According to (Ningrum, 2018), Classroom Action Research (CAR) is a reflective and collaborative study in which certain actions are taken to continue to improve and improve the quality of learning and teacher professionalism (Mettetal, 2002; Sumarni et al., 2016). Classroom Action Research (PTK) conducted by this researcher uses the Kurt Lewin model, because Kurt Lewin's model is the main reference or basis for the existence of several other action research models, especially PTK (Schein, 1996). Maybe because he was the first to introduce action research, or action research. Classroom Action Research (CAR) is usually carried out in two periods. There are four points in one cycle, namely planning (planning), implementation (action), observation (observation) and reflection (reflection) (Stringer, 2008). Grade 5 students at Pelita Private Elementary School, 30 students in one class with 14 boys and 16 girls. Although the subject of this study uses Canva's interactive resources.

Data Collection Tool is a tool for collecting data. The data collection tool for this research is a questionnaire. The questionnaire was used to validate information from content and media experts as well as the practicality of Canva's clean air for health education media products. Data collection techniques in this study using a questionnaire. The questionnaire as a data collection tool is a set of written questions that must also be answered by the respondent in writing (Kurniadi, 2022). The information needed in this study was collected through a questionnaire (Payne, 2012).

Explanation of cycle I and II procedures:

### **Step 1:** Planning (planning)

At this stage, researchers plan steps based on research objectives. Researchers designed learning scenarios (RPP) and research instruments. Observation forms for both teachers and students, interviews and test questions at the end of the cycle are used as research tools (Garcia et al., 2018).

### **Step 2:** Implementation (action)

The second stage of this research is implementation, namely the implementation of the designs that have been implemented, namely. content, namely the implementation of group activities by applying Canva's interactive learning (Hinchcliff & Mehmet, 2023).

### **Stage 3:** observation (observation)

In this phase, researchers observe the results or impacts of activities carried out or directed to students (Tsai, 2007).

**Step 4: Reflection (Reflection)**

At this stage the researcher collects and analyzes the results of observations to see whether the activities carried out are in accordance with the expected goals or still need development. To overcome the problems found, researchers must do more than one cycle. Kurt Lewin's model cycles are interconnected. In this model, a second cycle is carried out if the implementation of the first cycle is considered less successful, and so on until the research is deemed successful (Dickens & Watkins, 1999; Hussain et al., 2018).

Data analysis is a method used in managing data that is closely related to the formulation of the problem that has been proposed so that it can be used to draw conclusions. The value of learning outcomes is obtained from the results of the pretest and posttest, using the formula:

$$\text{Nilai} = \frac{\text{Jumlah skor}}{\text{Jumlah skor total}} \times \text{skala penilaian (100)} \quad (1)$$

value dcan be converted into a scale of 4 by:

$$\text{Nilai} = \frac{\text{Nilai yang diperoleh}}{\text{Nilai maksimal (100)}} \times 4 \quad (2)$$

1. Calculating the Test Average

The formula calculates the average.

$$\text{Rata - rata} = \frac{\text{Jumlah keseluruhan nilai yang diperoleh}}{\text{Jumlah siswa}} \times \text{skala penilaian (100)} \quad (3)$$

(Source: (Hidayat et al., 2018))

2. Learning Achievement

To calculate the percentage of cycle results, it is done by calculating the percentage using the following formula:

$$\text{Ketuntasan belajar} = \frac{\text{Jumlah siswa yang tuntas}}{\text{Jumlah seluruh siswa}} \times 100\% \quad (4)$$

**Table 1.**  
Learning Outcome Criteria

Criteria	Mark
Very Good (A)	86% - 100%
Good (B)	76% - 85%
Enough (C)	60% - 75%
Less (D)	55% - 59%
Less Once (E)	≤ 54%

(Source: (Tofan, 2015))

## RESULTS AND DISCUSSIONS

Based on the results of research conducted at Pelita Tanjung Morawa Private Elementary School, information was obtained about students' reading abilities from the point of observation seen using Canva media on topic material 2 Clean air for health in powerpoint format. Implementation of activities in one cycle of two meetings, each consisting of problems, planning, observation, data analysis and reflection. The procedure starts on Friday and ends on Monday 2 weeks after that. The research subjects were 32 VA class students at Pelita Tanjung Morawa Elementary School.

## CYCLE I

The results of cycle 1 revealed that students' reading and writing skills and interest in reading were weak, due to the boredom and versatility of the teaching materials provided by the teacher. Not only that, but students also lack understanding and are not used to doing literacy in class. The difficulty of cycle I was obtained from the results of the primary connection test for fifth grade students at Pelita Tanjung Morawa Private Elementary School and interviews with the author's homeroom teacher. The problem with this study was the students' lack of reading skills. Therefore, before completing cycle 1, the researcher first gave the students a reading test, the purpose of which was to see the students' main reading abilities. Grade 5 students get an average of 15% on literacy tests. Based on the results obtained, it can be seen that students in class VA. The level of understanding is low. The results of this initial literacy test will be used as a reference for providing activities and creating learning scenarios using Canva's interactive media in Cycle I to increase student literacy in subject matter 2, clean air for health. In accordance with the problems above, namely the low reading ability and interest in reading students have problems at the problem stage. The researcher prepares and implements several procedures before completing the first cycle of work. At the procedure implementation stage, the researcher acts as a teacher who implements learning through Canva's interactive media. In round 1, a meeting of learning activities was held during the implementation of 1 activity. Observations or observations made by scientists and research groups. Observations in Cycle I were carried out when learning took place from the beginning of the activity to the end of the activity using Canva's interactive media to increase students' interest in reading literacy. The results of observations of learning activities show the results of observations of learning management carried out by researchers with groups. Based on observations obtained from research activities, the average learning ability of researchers was in 2 good categories at the first meeting. Therefore, the activeness of researchers must be maintained and increased in cycle II. Based on observations obtained from research activities, the average learning ability of researchers was in 2 good categories at the first meeting. Therefore, the activeness of researchers must be maintained and increased in cycle II. Based on observations obtained from research activities, the average learning ability of researchers was in 2 good categories at the first meeting. Therefore, the activeness of researchers must be maintained and increased in cycle II.

Cycle I: data analysis.

## Questionnaire

### Data reduction

The information obtained is reduced to simplify information by selecting it, grouping the information into several categories and organizing it so that meaningful information is obtained. The purpose of this activity is to see what problems students face when learning and what steps are taken to overcome these problems.

### Disclosure of data

Based on the results of the students' reading interest survey answers, it was revealed that the following describes how to increase students' reading interest. 2. The topic of clean air for health is to give a survey of students' reading interest after graduation. I operating cycle. The total percentage of students interested in reading the survey is as follows:

The percentage of students' interest in reading in cycle I is as follows:

**Table 2.**

Percentage of category of reading interest of students in cycle 1		
No	CATEGORY	PERCENTATION (%)
1.	Very high	0%
2.	Tall	8.2%
3.	Low	30.15%

4.	Currently	61.65%
	Total number	100%

According to the data, 8.2% of students belong to the upper class, 30.15% to the middle class, and 61.65% to the lower class. Based on the available information, it can be analyzed that most of the fifth-grade students of Reamees Pelita have a low interest in reading. This is supported by the fact that 61.65 percent of students have low interest in reading. The reading interest questionnaire contains 15 questions related to reading interest. First period data results. Based on the results of the answers to the chapters given by students, it was concluded that the reading interest of fifth grade students at SDS Pelita was still relatively low. In Cycle I, researchers did not find the desired results for this study. Therefore, the researcher continued his research in cycle II. Overall, Canva's implementation of interactive media for the Clean Air Health 2 theme went quite well. has not been able to fully improve the reading skills of SDS Pelita class V cycle I students. From the results of Cycle I it can be concluded that students' reading skills cannot be said to be good because they have not achieved the research goals or objectives, so the efforts made by researchers in applying Canva's interactive media to achieve. The research objective is that Canva's interactive media can improve reading/literacy skills. Because many deficiencies were found in the first cycle and the research objectives were not achieved, the research was continued in the second cycle. the research objective is that Canva's interactive media can improve reading/literacy skills. Because many deficiencies were found in the first cycle and the research objectives were not achieved, the research was continued in the second cycle. The research objective is that Canva's interactive media can improve reading/literacy skills. Because many deficiencies were found in the first cycle and the research objectives were not achieved, the research was continued in the second cycle.

## Cycle II

### Problem II

Several problems were found in the results of observation and self-assessment of students, for example:

1. Students' interest in reading is still weak.
2. Reading is not fluent, and dictation is slow
3. The ability to understand the teacher's explanation is still weak
4. Student investment in learning to read is still low

Students' reading skills are still relatively weak. The results of the first cycle survey (61.65%) showed that the research objectives were not achieved in the first cycle.

### Operational planning II

In accordance with the existing problems, namely. Improving the ability/interest in reading students has not reached the goal, because the implementation of learning has not been maximized, alternative solutions to problems are planned which plan activities, namely:

- a) The teacher creates learning scenarios through Canva's interactive media, namely as follows:
  1. Communicating learning objectives and preparing students to learn
  2. Submission of information or material in stages
  3. Give students guided exercises or assignments
  4. Guiding or directing students in the process of completing assignments
  5. Advise students to work on assignments seriously
  6. Checking student understanding by asking questions about student work
  7. Give feedback
  8. Send questions and materials
  9. Develop learning tools to support the activities to be carried out, namely: paper, information centers such as interactive media, Canva and notebooks.

b) Prepare study materials, namely: (1) exam papers. c) After observing cycle 1, the teacher rearranges the seats of several students, which is expected to increase the participation of these students in the learning process.

### **Implementation of action II**

At the activity implementation stage, the researcher acts as a teacher who carries out learning activities using Canva's interactive media to improve students' reading skills from clean air to health in subject 2. The delivery of actions in cycle II is the same as cycle I, but there are several improvement activities that are carried out in several stages. In addition, implementing Canva's Interactive Media according to cycle II lesson plans. Actions taken in stage II:

1. The teacher conveys the learning objectives
2. Briefly describe the material studied
3. Make sure students are ready to accept class
4. Present the material in stages in front of the class.
5. Students follow the story carefully.
6. Students are then directed to read the story shown in front of the information screen (interactive canvas).
7. Students are given the opportunity to ask questions that are not understood.
8. After reading carefully, the teacher asks questions related to the story on paper.
9. Provide opportunities for students to understand the problem.
10. The teacher directs and directs when students have difficulty completing assignments.
11. Summarize the answers given to the questions given to students.
12. Think about the material being taught by asking questions about things that are not understood and summarizing the lesson.
13. Close the lesson and say hello.

### **Observation II**

Observations (observations) are still carried out by researchers from the beginning of learning to the end of learning.

### **Description of Observation Results of Cycle II Learning Management**

a) Based on the results of observations, it can be seen that students are more active in reading, understanding sentences, reading fluently and completing test questions well. The results of the second period of observation have been good. Regarding the results of observations of researchers conducting contextual learning:

b) In this cycle, students prefer learning to flow. 2. Motivate and direct students to make students more active in learning. 3. Expand question and answer sessions and learn from student to student, student to friend, so that students are more confident and accustomed to expressing thoughts (opinions). 4. The teacher knows how to use time effectively, so students have enough time to discuss and ask questions to the teacher, as well as a more conducive classroom atmosphere.

### **Analysis of cycle II results**

c) Comprehension test

#### **1) Data reduction**

The information obtained is reduced to simplify information by selecting it, grouping the information into several categories and organizing it so that meaningful information is obtained. The purpose of this activity is to see what problems students face when learning and what steps are taken to overcome these problems.

#### **2) Data exposure**

Based on the results of the students' understanding test, it was concluded that the following is a way to increase students' interest in reading on Topic 2 material for Clean Air for Health. The researcher gave students an understanding test after carrying out cycle II activities. The

total percentage of students' reading comprehension tests by administering the test is as follows:

An understanding test is carried out by giving tests to grade 34 students of Pelita Tanjung Morawa Private Elementary School. The test consists of 10 subjective questions. Questions have different answer weights. Numbers 1, 2 are worth 20 and numbers 3, 4, 5, 6 are worth 10. Numbers 7, 8, 9 and 10 are worth 5, so if students answer correctly, all of them get 100 points. In this test, the test material is topic 2, namely clean water for health. Based on the research materials, the following information was obtained:

**Table 3.**  
Category of student understanding

No	Category	Percentage %
1.	Very good (A)	61.65%
2.	Good (B)	30.15%
3.	Enough (C)	8.2%
4.	Less (D)	0%
Total number		100%

As many as 61.65% of students are included in the very good category, 30.15% in the good category, 8.2% in the sufficient category and 0% in the less category. The KKM used was 7.0 or 70 according to the KKM of Pelita Private Elementary School. Students with bad grades mostly answered questions number 2 and 3 which were about the main idea of the reading. Based on the available information, it can be analyzed that the understanding of class 5 Privata Pelita students is good. Cycle II comprehension test results

Referring to the previous discussion about reading and student reading, this can be seen in the relationship between the reading interest of grade V SDS Pelita students and reading comprehension. In the discussion above it is explained that the reading interest of most of the fifth-grade students of SDS Pelita Tanjung Morawa is classified as low. However, the understanding of fifth grade SDS Driven students in general can be said to be good. Below is information about the relationship between reading interest and student comprehension.

**Table 4.**  
Table of interest in reading and understanding

Reading Interest	understanding	Presentation %
Tall	Very good	57.2 %
Tall	Good	30.4 %
Currently	Enough	8.2 %
Currently	Not enough	4.2 %
Low	Not enough	0 %
The number of students		100%

As many as 57.2% of students have great interest in reading and very good comprehension. 30.4 percent of students have high reading interest and good comprehension. 8.2% of students have a high interest in reading and sufficient understanding. 4.2% of students have moderate reading interest and poor comprehension. Based on the information above, interest in reading is related to students' understanding. Judging from the data, 57.2% of respondents have a great interest in good understanding. Reflection II

In general, the application of Canvan Interactive media to topic 2 of clean air for health is going well. From the results of the analysis of survey data and interesting tests of understanding and perception, it can be concluded that Canva's use of interactive media to improve students' reading skills in learning Topic 2 "Clean Air for Health" is quite good and has achieved the purpose of the investigation. or goals.

## CONCLUSION

The teacher must be observant in identifying each indicator he uses. In addition, in carrying out learning, the teacher must choose learning materials that are appropriate to the characteristics of the students in the class. Canvas-based interactive media can be used as teaching materials. Learning materials in the form of interactive media must attract students' attention to increase students' interest in reading and curiosity. Reading is the process of receiving messages conveyed through words orally and in writing. There are four points in one cycle, namely planning (planning), implementation (action), observation (observation) and reflection (reflection). Grade 5 students at Pelita Private Elementary School, 30 students in one class with 14 boys and 16 girls. Although the subject of this study uses Canva's interactive resources. Based on the results of an analysis of reading interest and reading comprehension of fifth grade students at Pelita Private Elementary School, from the conclusions of the learning topics for the 2022/2023 academic year it is known that fifth grade students at Pelita Private Elementary School. primary school After the questionnaire results were obtained their reading interest was low, 30.15% were at medium level and 61.65% were at low level. Grade 5 Pelita students understood well the test results which showed 61.65% in the very good category, 30.15% in the good category, 8.2% in the sufficient category, and 0% in the materially poor category. Interest in reading refers to students' understanding in completing assignments based on reading texts. Based on the data, no less than 57.2% of students have high reading interest and very good comprehension. Based on the observations and studies of researchers, Students' interest in reading increases after using Canva's interactive media, because its attractive appearance makes students interested in reading. Thus, using Canva's interactive media can improve students' reading skills. The limitations of this study are the reasons why researchers chose Canva to be used as a learning medium as described above, also supported by several studies which have proven that Canva can have a good effect on learning. Based on the observations and studies of researchers, students' reading interest increased after using Canva's interactive media, because its attractive appearance attracted students' interest in reading. Thus, using Canva's interactive media can improve students' reading skills.

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