



## **THE INFLUENCE OF PROJECT BASED LEARNING STRATEGIES ON WRITING PROCEDURE TEXTS FOR CLASS X AT SMA NEGERI 1 ANGKOLA BARAT**

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### **Abstract**

The title of this research is the influence of project based learning strategies on writing procedure texts for class X students at SMA Negeri 1 Angkola Barat. The method used in this research is a quantitative descriptive research method by obtaining research results from the scores obtained after administering research instruments in the form of questionnaires and tests given to students, namely procedural texts. The number of research populations is 120 students consisting of 4 classes, while the research subjects are 40. Through analysis of data collected in the field, an answer has been obtained that the method *Projek Based Learning* has had a significant influence in writing procedure texts for class Thus it can be concluded that the author's hypothesis in this study can be accepted.

Keywords: strategy project-based learning, writing procedure texts

### **Abstrak**

Judul penelitian ini adalah pengaruh strategi proyek based learning terhadap menulis teks prosedur siswa kelas X SMA Negeri 1 Angkola Barat. metode yang digunakan dalam penelitian ini adalah metode penelitian deskriptif kuantitatif dengan memperoleh hasil penelitian dari nilai yang diperoleh setelah pemberian instrument penelitian yang berupa angket dan tes yang diberikan kepada siswa yaitu teks prosedur. Adapun jumlah yang terdapat sebagai populasi penelitian berjumlah 120 siswa yang terdiri 4 kelas, sedangkan subjek penelitian berjumlah 40. Melalui analisis data yang terkumpul dilapangan telah diperoleh jawaban bahwa metode *Projek Based Learning* telah memberikan pengaruh yang signifikan dalam menulis teks prosedur siswa siswa kelas X Negeri 1 Angkola Barat Tahun Pelajaran 2023-2024. Dengan demikian dapat disimpulkan bahwa hipotesis penulis dalam penelitian ini dapat diterima.

Kata kunci: strategi proyek based learning, menulis teks prosedur

### **INTRODUCTION**

In learning, teachers are a benchmark for the success of learning. Teachers who make learning fun or boring for their students. This can create a learning atmosphere that is new for students, teachers must have ideas and be innovative in finding points to solve learning problems by presenting new media, innovative strategies and methods that make teaching and learning fun (Wena, 2015:22)

There are many problems encountered in the field or in schools that occur today. The increasingly piling up problems create a boomerang for teachers in solving student learning

problems. The problems that occur make teachers change conventional or traditional teaching into teaching with new strategic techniques (Syaiful, 2016: 24). This is certainly not easy for teachers who require understanding and sacrifice that must be involved, for example the time spent in understanding a learning method. Teachers make various efforts to improve learning with curriculum demands that must be implemented in tandem with what is expected in learning. Evaluation carried out as a benchmark for the achievement of learning must be considered as an interaction obtained after the use of the method or strategy applied. According to Sagala (2012; 33) there are many things that need to be considered when evaluating learning, including: (1) learning objectives which are the direction of where students will be taught. (2) Students' cognitive maturity is the main basis for understanding students' initial learning. (3) Learning situations that serve as guidelines for understanding the beginning of learning. These situations include the condition of the class, students' learning readiness and security in the class when learning.

One of the methods used is the project based learning method which can be applied in schools. Through the curriculum that has been used, namely the independent curriculum, it is very suitable for the use of project based learning methods. A method that applies learning with the expected product results as the final stage in learning. According to Ratna (2014:55) *Projek Based Learning (PJBL)* is a learning method that occurs in teaching by making students the main subject or learning that is carried out centered on students. In learning carried out using methods *Projek based learning* students find creative ideas in making results or products as the final result of learning (Sunarto, 2016; 22). Furthermore, Erni Muniarti (2016; 14) explained that before students are given the project-based learning method, there are several steps that teachers must take in project-based learning as follows:

1. The division of student groups can be done through small groups consisting of 4-5 students and large groups consisting of 6-7 students in carrying out real action using the project based learning method.
2. Each group is given the task of carrying out real action practices. However, the teacher first explains the steps taken in implementing project-based learning with a sense of responsibility (*setting dan structure*)
3. The third level *visiting the problem* namely the stage of identifying problems carried out by students. This stage is important as the core stage in implementing project based learning learning practices. The initial stage carried out by students is identifying the initial problem given by the teacher, and the second stage is students learning to solve problems in groups to produce better results.
4. The fourth stage is revisiting the problem, which is the stage carried out by students by searching for various information from several sources which will be used as a source of knowledge in carrying out project based learning. Sources of information can be the internet, books, or journals and magazines that help students solve problems.
5. Produce the product is the fifth stage carried out through the project based learning method. This stage requires students to carry out good cooperation in finding solutions. Students can explore knowledge that will become the basis for students' creative ideas, be innovative in producing work as a result of the project.
6. The final stage is the evaluation or assessment stage of the students' project work by showing the results in front of the class. Each group presents the results of student practice in the form of work from the group. The teacher as an assessor assesses the percentage made by students.

An example of project based learning is making short story books as the result of students' work in learning Indonesian. The stages carried out by students are as follows:

- Understand the learning material, namely short stories
- Knowing the characteristics of short stories and types of short stories

- Understand the steps of making a short story
- Understand how to make a short story book
- Make a short story book as a result of learning

## RESEARCH METHODS

A research method is a procedure for obtaining research results in the form of data that will measure success in research. The process of data obtained from students is such as valid data whose truth has been tested in the form of a test of success in understanding the student's learning material where this data is directly related to the object being studied by the researcher. (Mudjiono, 2017:44).

In the opinion of Arikunto (2018:55): "A research method is a method of research that will be carried out and includes research materials, tools, variable research paths and data that has been provided. "A research can be said to be good if the method used is clear, with a clear method that provides the reader with the data obtained by the author." Based on the description above, the researcher chose one method, namely using a quantitative descriptive method. The reason researchers use descriptive methods is because the research to be carried out requires researchers to collect data and then test hypotheses. The problem formulation was applied by the author to find out about the influence of the method *projek based learning* towards writing procedure texts for students in class x SMA Negeri 1 Angkola Barat 2023-2024 Academic Year. Researchers apply correlation statistical formulations *Pearson's Product Moment*.

## RESEARCH RESULTS AND DISCUSSION

### a. Research result

The data collected from the results of this research are independent variable data and dependent variable data. The independent variable data is the effect of method *projek based learning* and the dependent variable is students' writing procedure texts. For more details, here is a tabulation of all the data required in the formula as follows:

**Table V. Data Analysis**

| No | X  | AND | x2   | y2   | Xy   |
|----|----|-----|------|------|------|
| 1  | 80 | 81  | 6400 | 6561 | 6480 |
| 2  | 85 | 82  | 7225 | 6724 | 6970 |
| 3  | 75 | 80  | 5625 | 6400 | 6000 |
| 4  | 90 | 85  | 8100 | 7225 | 7650 |
| 5  | 80 | 82  | 6400 | 6724 | 6560 |
| 6  | 85 | 83  | 7225 | 6889 | 7055 |
| 7  | 90 | 83  | 8100 | 6889 | 7470 |
| 8  | 85 | 83  | 7225 | 6889 | 7055 |
| 9  | 85 | 83  | 7225 | 6889 | 7055 |
| 10 | 80 | 83  | 6400 | 6724 | 6640 |
| 11 | 80 | 82  | 6400 | 7056 | 6560 |
| 12 | 85 | 84  | 7225 | 7056 | 7140 |
| 13 | 90 | 84  | 8100 | 7056 | 7560 |
| 14 | 80 | 81  | 6400 | 6561 | 6480 |
| 15 | 85 | 83  | 7225 | 6889 | 7055 |

|        |      |      |        |        |         |
|--------|------|------|--------|--------|---------|
| 16     | 75   | 81   | 5625   | 6561   | 6075    |
| 17     | 90   | 85   | 8100   | 7225   | 7650    |
| 18     | 80   | 82   | 6400   | 6724   | 6560    |
| 19     | 85   | 84   | 7225   | 7056   | 7140    |
| 20     | 75   | 81   | 5625   | 6561   | 6075    |
| 21     | 85   | 83   | 7225   | 6889   | 7055    |
| 22     | 80   | 81   | 6400   | 6561   | 6480    |
| 23     | 85   | 83   | 7225   | 6889   | 7055    |
| 24     | 85   | 83   | 7225   | 6889   | 7055    |
| 25     | 80   | 82   | 6400   | 6724   | 6560    |
| 26     | 85   | 83   | 7225   | 6889   | 7055    |
| 27     | 90   | 83   | 8100   | 6889   | 7470    |
| 28     | 90   | 84   | 8100   | 7056   | 7560    |
| 29     | 85   | 83   | 7225   | 6889   | 7055    |
| 30     | 90   | 85   | 8100   | 7225   | 7650    |
| 31     | 80   | 82   | 6400   | 6724   | 6560    |
| 32     | 80   | 82   | 6400   | 6724   | 6560    |
| 33     | 75   | 81   | 5625   | 6561   | 6075    |
| 34     | 85   | 82   | 7225   | 6724   | 6970    |
| 35     | 85   | 83   | 7225   | 6889   | 7055    |
| Amount | 2920 | 2892 | 244350 | 239014 | 2341445 |

From the results above the following data can be obtained:

$$\Sigma X = 2920$$

$$\Sigma Y = 2892$$

$$\Sigma X^2 = 244350$$

$$\Sigma Y^2 = 239014$$

$$\Sigma X.Y = 241445$$

$$N = 35$$

Based on the data above, the next step is to enter the data into the following formula:

$$r_{xy} = \frac{N \Sigma xy - (\Sigma x)(\Sigma y)}{\sqrt{\{N \Sigma x^2 - (\Sigma x)^2\}\{N \Sigma y^2 - (\Sigma y)^2\}}}$$

$$r_{xy} = \frac{35 \times 241.445 - (2920)(2892)}{\sqrt{\{35 \times 244.350 - (2920)^2\}\{35 \times 239.014 - (2892)^2\}}}$$

$$r_{xy} = \frac{8.450.575 - 8.444.640}{\sqrt{\{8.552.250 - 8526400\}\{8.365.490 - 8.363.664\}}}$$

$$r_{xy} = \frac{5935}{\sqrt{47.202.100}}$$

$$r_{xy} = 0,76$$

## b. Discussion

From the results of data analysis that has been obtained from research conducted under the title influence of method *projek based learning* towards writing procedural texts for students in class This can be seen from the influence between the two variables ( $r_{xy}$ ), which is 0.76. This

can result in a result where the learning method carried out with project based learning is used more frequently and will provide better learning results in Indonesian language learning, especially in procedural text material. taught in even semesters in Indonesian language subjects. Thus, it can be concluded that the author's hypothesis in this research is accepted.

## CONCLUSION

Based on research conducted by researchers with the research title the influence of project based learning methods on writing procedural texts for class

1. There was a significant influence between methods *Perojek Based Learning* towards writing procedural texts for class
2. With the average results obtained from the student questionnaire on the influence of the project based learning method, it was concluded that it was classified as good. This can be seen from the average student results, namely 84.5.
3. Meanwhile, in writing procedural texts, students are also considered good. This can also be seen from the results of the average student score obtained from the essay test given to students, namely 87.3
4. From the research results obtained it can be concluded that the Hypothesis of this research is accepted.

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