

Implementation of Project Based Learning Model to Increased Creativity and Self-Reliance of Students on Poetry Writing Skills

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Abstract

The purpose of this study was to determine the influence of Project Based Learning models to increase the creativity and self reliance of students on the skills of writing poetry. The research is a Pre-Experimental One Group (pretest-posttest) design. These samples included 48 students without control class. Pretest is given at the beginning of the learning before the implementation of the Project Based Learning model and posttest in the end of the learning process. The results showed a significant increase in the implementation of Project Based Learning to creativity and self reliance on the skills of writing poetry. Based on N-Gain test shows the students' creativity increase of 0.45 (medium). The values indicator of creativity divided into three points are fluency, flexibility, and originality. Students' self reliance on the skills of writing poetry after implementation of Project Based Learning models contained in the high category. For the score of students on poetry writing skill is shows a good increased. The values indicator on poetry writing skill divided into five points are preparation of stanza, rhyme, diction, the use of punctuation, and content. The response of learners very well to learning, for the further study with the model Project Based Learning can be recommended for implementation in schools.

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INTRODUCTION

The success of a learning process involves a number of factors that educational management component is closely related to the overall management of the learning process includes the use of a wide range of innovative learning model. Innovative learning model is a model of learning that is not detached from the familiar constructivist learning. This constructivist understand familiarize learners to discover knowledge by themselves and wrestle with ideas (Marlinda, 2012).

Problems found on the observation in some schools that are on the cluster of Dewi Sartika Lemahabang District of Cirebon. The learning model used in the learning process is not appropriate enough especially in the skill of writing poetry. It needs a model of learning which is can increase the creativity and self reliance of students on the skills of writing poetry.

Project based learning focuses on the core concepts and principles of a discipline, facilitates to investigate, problem solving, and other meaningful tasks, student centered, and produce tangible products (Santayasa, 2006). In the application of project based learning there are several steps that must be applied therein. As an initial step in the implementation of project based learning is the fundamental question and for the result is the creation of a project work of the students.

Project Based Learning model is a learning model that properly can be applied in the learning process, because project based learning model that is centered on the activities of learners during a learning process that will produce the product at the end of the lesson (Damayanti, Martha, & Gunatama, 2014).

The steps in this learning can provoke students' creativity in thinking that will produce something in the form of tangible products, improving the response of students to any changes and as a result of a situation. Another benefits are students' ability to manage themselves, upgrades demonstrating of occurrences and the habit of doing self evaluation (Sugiastini, Dw, & Suartama, 2013). Study was

conducted by Woro (2015) that the Project Based Learning model is constructivist approach, and makes learning centered on students, it will be easier for students to apply knowledge that they get in the real situations.

Based on the presentation it is clear that the model of Project Based Learning is a learning model that is appropriate for use in the learning process that emphasizes the activity of students, providing freedom to develop their potential. For the task of teachers here as a facilitator and provide direction and assistance if there are students who have difficulty. According to Munawaroh, Subali, & Sopyan (2012) there are four pillars that were grown after implementation of Project Based Learning model is learning to know, learning to do, learning to live together and learning to be.

Based on the result of the research it is come up with the conclusion that Project Based Learning model was a good learning model when applied in the learning process. In this study Project Based Learning model showed impact when applied in learning and being able to enhance the creativity and self reliance of students on the skills of writing poetry.

Learning poetry at school has started intensified since elementary school. Poetry is a language essay short, dense, beautiful, and touching. The shape is arranged arrays and stanzas, so that it contains rhythm and poetry with emphasis on feelings (Tsiaras, 2016).

The goal of writing poetry itself, make students can preserve the language and literature of Indonesia. That is stated in Government Regulation of the Republic of Indonesia Number 57 of 2014 on the Development, Coaching and Protection of language and literature. As well as increased function Indonesian, mentions that the Protection Language is efforts to maintain and preserve the language through research, development, coaching, and teaching.

Writing poetry is a part of the learning literature. The purpose of the course literature is to cultivate students' sentiment and reasoning on literature (Khairunisa, Doyin, & Qomariyah, 2014). The importance of learning to write poetry in elementary schools, as proposed by Aztry

(2012) is that the learners can apply the material in the form of writing is not just a theory which should be understood or memorized and can easily be forgotten.

The correlation between creativity and self reliance in poetry writing skills conducted through Project Based Learning model. In terms of creativity can be seen from the written works of students in the form of poetry, which contains ideas that are formed in a paper that has a meaning. In terms of self reliance can be seen from the way that the students work on learning process to make a project. students will be able to work on the project independently.

Similar with the views expressed by Nurhayati (2017) that the independence of learners are determined based on how much initiative and responsibility of learners to take an active role in the planning and evaluation of learning and learning process.

Creativity and self reliance is needed in poetry writing skills. Creative is the ability to create something new, whether it be the idea or act in the real work, either it's the things that already exist, or that has never existed before. Creative thinking is very important developed so that students can become useful to themselves and others as well as a preparation for the challenges and obstacles in the future. Creative learning helps students to achieve success in solving problems and orient themselves even though we are not with them (Purwanti, 2015).

Self reliance is also important in the skills necessary to write poetry. Self reliance is the ability of individuals to stand alone marked with the courage to take the initiative, trying to overcome the problem without asking for help from others, strength of businesses, trying and direct behavior toward perfection (Saefullah, Siahaan, & Sari, 2013),

From these explanations, it is clear that the creativity and self reliance instrumental in poetry writing skills. Where these two aspects are several types of characters that need to be grown in students. Creativity and self reliance can create a work of literature (poetry) which is good and meaningful.

METHODS

This research was conducted in SD Negeri 1 Wangkelang Lemahabang District of Cirebon. Subjects were students Elementary School fourth grade on second semester of academic year 2017/2018. The research sample of 48 students, with an experimental class without a control class. The sampling is performed using simple random sampling technique.

Simple random sampling technique used in the first observation. The sample was taken randomly from several schools contained in a sartika goddess group. These school included SDN 1 Belawa, SDN 2 Belawa, and SDN 1 Wangkelang. there are many similarities in these schools, both in terms of school conditions, student character, teacher quality, and several other similarities. Then the SDN 1 Wangkelang was chosen as a sample in this study without any specific reason for the determination.

Technical analysis of the data used is quantitative techniques. Technical analysis of quantitative data includes test validity is calculated with the formula product moment correlation, Reliability test calculated by Cronbach's Alpha.

Data analysis of creativity and independence on poetry writing skills using Project Based Learning model use statistical tests. Based on precondition test that the data obtained are not normally distributed, then the statistical test used is non-parametric statistical tests.

The design used in this research that the Pre Experimental One Group (pretest-posttest) design.

There variation of one group pretest-posttest design, proposed by Sukmadinata, N. S. (2010) are the design of A - B, and the design of A - B - A. In this study design used is the design of A - B - A. Overview of design A - B - A as presented in Figure 1.

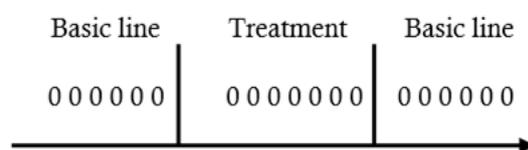


Figure 1. Design of A - B - A

Based on Figure 1 illustrates the design models are often used in the design of one group pretest - posttest. This design is similar to the design of AB, but after treatment followed by a state without such treatment in a previous state, or line A. The second base lines indicated to determine if without treatment activities will be back in the original position, or continue as in the circumstances of treatment.

The research variables consist of independent variables and the dependent variable. Independent variable that is a model Project Based Learning, and the dependent variable is creativity and self reliance on the skill of writing poetry.

Research procedure includes three stages: (1) Planning; (2) Implementation; (3) Inferencement. The research hypothesis is

whether there is an increased creativity and self-reliance on the skills of the fourth grade writing poetry after the implementation of Project Based Learning model. Techniques of collecting data are using tests, the learning process observation sheets and questionnaires as a measure of self reliance on students.

RESULTS AND DISCUSSION

This study is a study that is testing a learning model, while learning model tested is Project Based Learning model. Usually the project based model is commonly applied in science subjects but in this study the project based learning model will be tested on poetry writing skill. The following stages in the project based model as presented in Figure 2.

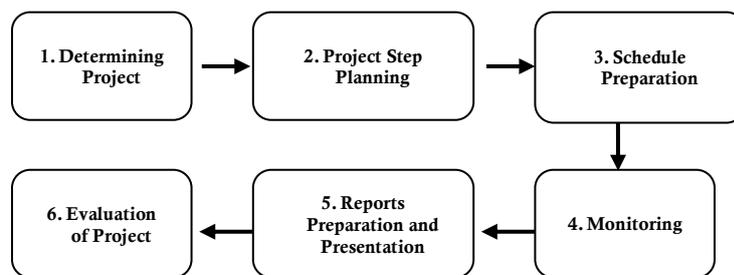


Figure 2. Syntaxes of Project Based Learning Model

The steps of Project Based Learning Model which is developed by Hosnan (2016) are as follows:

1. Determining Project

In this step, the students determine the topic of the project based on project tasks given by the teacher, and the topic of this research is "Cita-Citaku". As for the project in the end of the learning process is colourful book which is contains of students' poetry.

2. Project Steps Planning

The activities in this step contains rules in the implementation of project tasks, election activities that can support the work of the project. Students and teacher collect the materials needed to make the project. There the items needed include folding paper, straps, scissors, pencils and pens.

3. Schedule Preparation

This step is explained about how long the project should be completed stage by stage. Making this project was made for approximately 1 month which consisted of 6 meetings.

4. Monitoring

Teacher responsible for monitoring the activities of students in the conduct of the project, through the process until the completion of the project. In monitoring activities, teacher create rubrics that will be able to record the activity of students in completing project tasks.

5. Reports Preparation and Presentation

In this stage students compile reports/products that have been made. after that students appear in front of the class to present their work. In this study students read poetry and explain about the parts of the poetry.

6. Evaluation of Project

In the evaluation phase, students are given the opportunity to bring their experience during the complete project tasks. At this stage, also carried feedback on processes and products that have been produced. At this stage the teacher can give some questions for students to measure students' understanding.

N-Gain test is used to determine the increase of creativity on poetry writing skills. The increase of pretest and posttest can be calculated by N-Gain formula, following the results of N-Gain test calculation as presented in Table 1.

Table 1. Results of N-Gain Test

Aspect	Pretest	Posttest	N-gain	Interpretation
Creativity	49.54	73.72	0.45	Medium

Based on Table 1 shows an increase of score pretest and posttest, with details pretest score is 49.54 and posttest scores is 73.72. N-Gain score obtained a score of 0.45 and it is classified in medium category.

For the final product of this research there in a form of colorful book with contains of students' poetry. The example of product as presented in Figure 3.

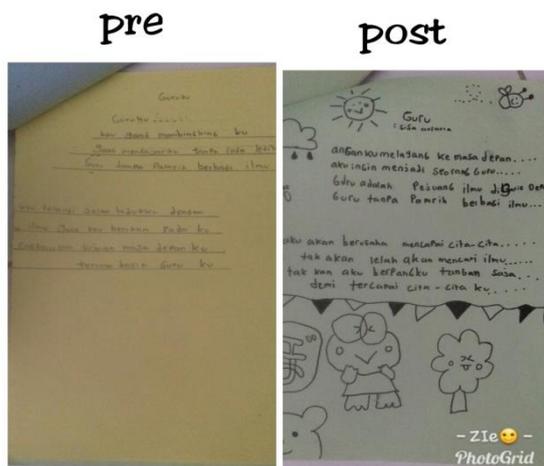


Figure 3. The Example of Product

Based on Figure 3 shows an increase in poetry writing skills. There are five specs assessed in these poetry including preparation of stanza, rhyme, diction, the use of punctuation, and content of the poetry itself.

These five aspects have increased in the example of students' learning product. In the first poetry, the students' poetry is still a lot of confusion. And in the last poetry there a good increase from preparation of stanza, rhyme, diction, the use of punctuation, and content of the poetry.

Besides creativity, self reliance is also an aspect that important in this study. The calculation of independence is using formula of percentage index. For the results of the self reliance as presented in Figure 4.

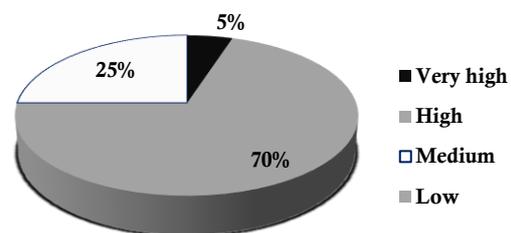


Figure 4. Percentage of Self Reliance

Based on Figure 4 shows the percentage of students' self reliance after the implementation of Project Based Learning model. For the highest percentage was 70%. It is conclude that the students' self reliance at the high category.

For the correlation between creativity and skill of writing poetry is calculated using Spearman correlation test, for the result is shown in Table 2.

Table 2. Spearman Correlation Test

		Creativity	Writing poetry
Spearman's rho creativity	Correlation coefficient	1.000	.334*
	Sig. (2 tailed)	.	.020
	N	48	48
Writing poetry	Correlation coefficient	.334*	1.000
	Sig. (2 tailed)	.020	.
	N	48	48

The results of the analysis based on Table 2 obtained significant value between creavity and poetry writing skills is 0.020 by using Spearman correlation analysis. The significance of value < 0.05 with the hypothesis (H_0) is rejected, which means that there is a correlation between creativity and poetry writing skills.

The score of correlation coefficient is 0.334. it means that the level strength of the

correlation between the variables of creativity and skill of writing poetry is in enough category.

Based on score of correlation coefficient are positive, so the correlation these variables are in the direction. Thus it can be interpreted that if quality is increasingly enhanced in creativity, poetry writing skills will also increase.

From some tests that have been done, it can be concluded that the Project Based Learning model is the appropriate learning models used in the learning process. This model makes the students become active students in the classroom (Titin, Sunarno, W., & Masykuri, M., 2012; Sugiyastini, W., Sudan, D.N., & I Kd, S., 2013; Noviyana, 2017).

In addition the Project Based Learning model also provide students become creative students because in the learning process will produce a project that has been set at the beginning of lesson. It is make students will strive to produce the best project (L. I. Sari, et al. 2015; Mihardi, & Knight, 2013; Hutasuhud, Saidun, 2015; Sumarni, W., et al. 2016).

Self reliance can also be grown during the learning process that applying the Project Based Learning model. As described by Wiyono, Karyoto, & Cahyaka (2011) that the self reliance will grow in self students through the steps of learning. Supported by previous studies that Project Based Learning model will make students more independent in the process and automatically build the knowledge which is gained immersion learning process (Afriyanti, Fikri, & Syofiani, 2015).

Mentioned by Ellianawati & Wahyuni (2010) that the increasing students' self reliance will add confidence. Besides that, self reliance also very important and needs to be owned by students because it can support students in learning to understand the choices, along with the behavior of the risk must be justified by students (Numri, Z. 2015).

With the increasing creativity and self reliance, according to Turofingah, Lina (2015) that the students will be more skilled in writing poetry. Because poetry writing skills do not come easily, but by learning and practicing constantly. There should also be a habituation, make the

students are accustomed to write, and easier to express all their ideas into a meaningful poetry (Budiastuti, W., Mulyono, S., & Hastuti, S., 2014).

In the process of writing poetry with the implementation of Project Based Learning model, teachers served as facilitators and students at the center of learning. Thus the students will be more free in expressing their ideas and thoughts into written form meaningful (Tsiaras, 2016). In the final session the poetries were collected in colorful book.

CONCLUSION

Based on the results and discussion of this research that has been presented, the result of research showed that there was a significant increase in the implementation of the Project Based Learning on creativity and self-reliance of students on the skills of writing poetry. Based on N-Gain test shows the students' creativity increase of 0.45 (medium). Students' self reliance on the skills of writing poetry after implementation of Project Based Learning models was in the high category. The responses of students very well on learning, for further study Project Based Learning model recommended for implementation in schools.

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