



The Effect of Snowball Throwing Model on The Student's Vocabulary Mastery at SMA Swasta Rakyat Pancur Batu

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ABSTRACT

The objective of the research is to find out the effect of applying snowball throwing on the student's vocabulary mastery of SMA Swasta Rakyat Pancur Batu at tenth grade academic year 2021/2022. This research was used experimental research. The population were 40 students of two classes. The researcher using class X IPA 1 and X IPA 2 as the sample. Class X IPA 1 as the experimental group and X IPA 2 as the control group. The experimental group was taught and treatment by snowball throwing and control group without snowball throwing model. The instrument used to collect data in this research was test there are pre-test and post-test. The researcher found that there was a significant difference between the students' score in experimental group and control group. It was known by the mean score of the post-test in experimental group was higher than mean score of post-test in control group. The value of the t -observed 9.26 was higher than t -table 1.68 at the level of significant 0.05 with degree of freedom (df)=40. Based on the result of this research, the The researcher found that there are the significant effect of applying snowball throwing on the student's vocabulary mastery of SMA Swasta Rakyat Pancur Batu at tenth grade.

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INTRODUCTION

Vocabulary is one of the important aspects of English teaching-learning. Another aspect is teacher had to be creative and patient in finding, choosing, and simplifying the materials which made the students master the vocabulary, in other words, learning vocabulary students will have got trouble in their language skills. According to Nation (2007:38) stated that vocabulary is critically important because a word is an instrument for thinking about the meaning with expresses. It means that vocabulary is all the words that used to expressed ideas in communication with each other. Without a word, communication couldnt occur in any meaningful way. According to Deni (2011:2) states, Snowball Throwing is one of the active learning model which in practice involves a lot of students. The teacher's role here is only as giving guidance on the topic of early learning. This learning technique to trains students to be more responsive to received messages from other students in the form of snowballs made of paper, and conveys the message to his friend in a group, the student who catches the ball would be pleased to pen the paper ball and read the vocabulary in English, then told the meaning in Bahasa. Snowball throwing method makes students be more active in learning process, because learning could be applied to almost any assignment in any curriculum for any learner, it means that we could apply snowball throwing for teaching vocabulary. Technique is a way of doing something by using special knowledge or skill.

One of the problems which appear in the school is the students got difficulty explaining or delivering their idea in English because their vocabulary is still limited. There are several causes for this difficulty such as the students are difficulty memorizing words, less interesting learning vocabulary, and the technique of teaching in the class is boring. One of the efforts that will be made to anticipated these problems are with the model selection learning appropriately so that the learning process in the classroom feels great fun. Snowball throwing is one type of model cooperative learning. Selection of snowball throwing learning model considered appropriate, because this learning model could involve student activity through the game of rolling and throwing the ball snow or paper. Besides, this learning model will also have explored student creativity to wrote down questions and answer questions all at once. In the sense of learning the throwing snowball model students to thought and moved actively during the learning process.



Based on the problems above, the researcher interests in taking the problem into a study. The researcher focus on The Effect Of The Snowball Throwing Model On The Students Vocabulary Mastery At SMA Swasta Rakyat Pancur Batu. . The purpose of the research is to knew the vocabulary mastery of the students after applied the snowball throwing model in the English subject.

This research will use experimental research. The experimental research methods are will use to find out the effect of treatment on the group. According to Ary (2002:276) an experimental is a scientific investigation in which the researcher manipulates one or more independent variables, controls any other relevant variables, and observes the effect of the manipulations on the dependent variables. There are two groups of students in this research, namely the experimental group and the control group. Both of the groups will get pre-test and post-test.

Table 3.1
Design Pre Test and Post Test

No	Group	Pre-test	Treatment	Post-test
1	Experimental group	✓	With snowball throwing technique	✓
2	Control group	✓	Without snowball throwing technique	✓

The Population of the Research

The population is a very important thing in the research. In this case, the population is something that is observed to get the research data. The population in this research is all the students in the grade tenth SMA Swasta Rakyat Pancur Batu which amount to 40 students.

The Sample of the Research

According to Arikunto (2010:17) define that if the total population is less than 100, it is better to take all of them as a sample, but if the populations are more than 100 students, the sample can be taken between 10-15% or 20-25%. The sample of this research is all of the students in class X IPA 1 and X IPA 2 at SMA Swasta Rakyat Pancur Batu. Each class consists of 20 students. From that explanation, the researcher will take all of the samples because the sample is less than 100, thus the number of a sample is forty respondents.

Technique of Analyzing Data

To answer the question “Is there any effect of the snowball throwing model on the student’s vocabulary mastery at SMA Swasta Rakyat Pancur Batu. ”, the researcher will apply the criteria as proposed by the Department of Education and Culture to find out the significant difference between the two groups.

To know the difference between the two groups, the researcher use this formula :

$$t = \frac{X1 - X2}{\sqrt{\frac{1}{n1} + \frac{1}{n2}}}$$

- X1 : Means score of experimental group
- X2 : Means score of control group
- N1 : The total sample of experimental group
- N2 : The total sample of control group
- S : The value of Standard Deviation (SDV)

FINDINGS AND DISCUSSION

From the result of the data, it show that there were the score from experiment and control group. In order to find out the significant effect between two groups that using snowball throwing, the researcher analyzed the data by applying t-test formula to prove the hypothesis of this research. From on the data above, it shows the result of t-observation= 9.26 with degree of freedom (df) 38 where (df= N-2) 40-2=38.with the significances level of 0.05 got the t-table 1.68, t can be found that t-observed > t-table (9.26>1.68).It means that the snowball throwing model was effective on the students' vocabulary mastery.

Hypothesis Test

Testing the hypothesis is important because the calculation of hypothesis test is to answer the formulation of the problem of this research: "there is a significant effect on the students' vocabulary mastery by using snowball throwing models" .

The conclusion is obtained as follows: Alternative Hypothesis (Ha) states that "there is a significant effect on the students' vocabulary mastery by using snowball throwing models."

Null Hypothesis (Ho) states that "there is no significant effect on students' vocabulary mastery by using snowball throwing models". And then, the criteria of hypothesis test as follow:

1. Ha is accepted if $t\text{-observed} > t\text{-table}$
2. Ho is accepted if $t\text{-observed} < t\text{-table}$

Based on the result of post-test of experiment group and control group, it can be found that the $t\text{-observed} = 9.26 > t\text{-table} = 1.68$ in the significance level of 0.05. $9.26 > 1.68$ and the conclusion is the $t\text{-observed} > t\text{-table}$, it means that Ha was accepted and Ho was rejected.

From the result above, it shows that the alternative hypothesis (Ha) was accepted and the null hypothesis (Ho) was rejected. It means that there is a significant affect on the students' vocabulary mastery by using snowball throwing models.

Discussion

From the data on students' vocabulary mastery at SMA Swasta Rakyat Pancur Batu. There was a significant difference on students' vocabulary mastery by using snowball throwing. The students that were taught by snowball throwing have higher score than were taught by conventional or without snowball throwing, this was based on the test score that have been given, where the pre-test in experimental group got 47 and increase to 76.35, whereas control group only got 58.25 in post-test.

It was explained that snowball throwing can improve the students' ability in vocabulary. As the Shoimin (2014:176) and Widodo (2008:110) stated, the advantages of using snowball throwing are,

1. Can make the class atmosphere more live
2. Make students relax and fun to study
3. Teacher was easier *to* teach about the vocabulary.
4. And, this media also help to collaboration between students

From the result, the researcher found that the $t\text{-observed} = 9.26 > t\text{-table} = 1.68$ in the significance level of 0.05 and Ha was rejected, this means that there is a significant effect on the students' vocabulary mastery by using snowball throwing models than taught without game.

Based on the high school curriculum, the government includes English as a compulsory subject, Thus, high school students are required to be proficient in English, especially vocabulary mastery. but students consider English lessons, especially vocabulary mastery, are difficult and boring, therefore, students are not interested in learning it, and based on research conducted by researchers it has a good effect on students' vocabulary, the researchers hope this research can help and contribute to the world of education, especially in learning English

The researcher hopes that in the future students will be more interested in learning vocabulary, with snowball throwing games this game can be one of the media of choice for teachers in teaching students through games. that later students no longer feel English as a difficult language to learn and help the students' in their future.

Conclusion

Based the data obtained it is seen that the result of the students' vocabulary mastery by using snowball throwing models is higher than without snowball throwing models at the tenth grade of SMA Swasta Rakyat Pancur Batu. Snowball throwing is significant to be used in increasing the students' vocabulary mastery than the students' were not taught by using snowball throwing. The result $t\text{-observed} = 9.26$ and $t\text{-table} = 1.68$. ($t\text{-observed} > t\text{-table}$ $9.26 > 1.68$). It means that H_0 is rejected and H_a is accepted. There is a significant effect of snowball throwing on the students' vocabulary mastery.

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