



THE EFFECT OF QUANTUM TEACHING ON STUDENTS' ABILITY IN READING PROCEDURE TEXT

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ABSTRACT

The objectives of this research are to find out: a the students' ability in reading procedure text by using quantum teaching method, whether there is a significant effect of quantum teaching and on students' ability in reading procedure text at the first grade of English Department Institut Pendidikan Tapanuli Selatan. The population of this research is 26 students of the first grade students of English Department Institut Pendidikan Tapanuli Selatan.. The samples of this research are 26 the first grade students of English Department Institut Pendidikan Tapanuli Selatan by using total sampling. This research uses the experimental method because the writer wants to try to use a new teaching method in teaching reading procedure text. The technique of collecting data is by giving observation sheet and test in multiple choices form for procedure text mastery to the respondents in order to measure their reading procedure text. The writer uses the formula of ttest to test the hypothesis. Through the hypothesis testing the writer found that ttest is greater than ttable (ttest>ttable). It means that there is a significant effect of quantum teaching on students' ability to master procedure text.

Keywords: Teaching Reading; Procedure Text; Quantum Teaching Method

1. Introduction

English is admitted by all countries in the world as an international language. It is used for different functions such as a native language, second language and foreign languages. Nowadays, the students should be able to master English according to the context of situation and culture. It is popular called genre. There are many genres in English that are learned in Junior High School such as procedure text. Procedure text is a text that explains about the ways of making or doing something by applying various steps. The aim of teaching procedure text is that helping the students explain about how to do work in a sequence including its generic structure and its lexicogrammatical features. So, in the end of teaching and learning activity the students are expected to be able to master all about procedure text. But, in reality there are many students who cannot able to master procedure text. The writer finds this problem at the first grade of English Department Institut Pendidikan Tapanuli Selatan in which majority of the first grade students in 2024/2025 academic year only get mark 60. Meanwhile the minimum criterion of completeness is 76.

The lecturer of reading subject had done many efforts to solve this problem, such as apply various methods, completed school facilities, giving motivation and so on. But, it still has no significant effect towards students' mastering procedure text. If this problem is still continually, the students will face difficulties to continue their study to the next grade or level of education. Besides that, they will be failed in National Examination. In this

case, the writer assumes that the lecturers use methods that are not suitable enough. By doing so, the writer thinks that quantum teaching can be used in teaching procedure text.

Quantum teaching method is a method emphasizes the ways of making a pleasant teaching and learning situation. So, in teaching and learning process using this method the students will be relaxed and feel enjoy. It is better for the lecturer to choose the better methods in teaching. However, quantum teaching methods is different. So, the writer wants to use Quantum teaching method in teaching procedure text in order to know the effect of Quantum teaching method in teaching reading procedure text.

Procedure text is an English text in which the writer describes how something is accomplished through a sequence of action or steps. Pardiyono (2007: 125) stated that direction about step to finish the task, it can be packed in a procedure text. Then, Derewianata on Depdiknas (2005: 3) stated that procedure text is a text to inform how to do or how to work something. Furthermore, SanggamSiahaan(2006: 63) defined that procedure is a text containing four components is that goal, material, method and re-orientation by which a writer describes how something is accomplished through a sequence of actions or steps. It is clear that procedure text is a text which consists of some actions to make or to do something. It can be said that the steps are considered as an important element of procedure text. There are three important components of procedure text that should be master by the students in order to master procedure text totally. The first is social function. Social function serves what is the function of the text. Otong Setiawan(2007: 39) said that social function is the goal of the activity. It means that the result of activity after how to do or to make something. Ida Maharani (2007: 70) says that social function of procedure text is to give direction of how to do something through series of action or steps. It means that this text is used to show about to do something based on direction/instruction through an actions or steps.

Second is generic structure. Generic structure is the plot of the text. Pardiyono(2007: 125) says that generic structure is what must be written and how the thing should be arranged as numeral. Then, AndriSetyawan (2008: 4) states that procedure text has structure that consists of three parts, that is aim/goal, materials and steps/methods. It is clear that generic structure refers to the arrangement of the text and procedure text has three components, they are aim/ goal, materials that are needed and steps to be done. The last is lexicogrammatical features. Lexicogrammatical features are similar with language features or grammatical patterns. Pardiyono (2007: 126) says that language features/grammatical patterns are used to explain description about procedure that is explained in the element of steps to accomplish, most of using imperative sentences. It means that procedure text is often using imperative sentences that explaining the patterns of procedure text. Furthermore, Ida Maharani (2007: 70) adds that procedure text has language feature as followed: procedure text uses simple present tense, using imperative sentences also passive voice, and using conjunction

to show the series. It is clear that lexicogrammatical features are also important in mastering procedure text.

Reading is an activity of observing written language which aims to gain knowledge or messages conveyed by the author. There many students who have difficulty in reading and understanding the reading text. By knowing the factors that cause students' difficulties in reading. It means that not all students can read well. This is due to the tendency of some lecturers not to use teaching strategies appropriately. In teaching reading, the lecturers can use many different strategies to make the student easier in understanding the reading text. To use any instructional technique effectively, anyone who teaches must understand the principles and assumptions on which each particular technique is based. There is no shortage of descriptions or labels for activities that may be classified as related to instruction. According to Harmer (2007) stated that a strategy is an action that the lecturer takes to attain one or more of her teaching-learning goals. Strategy can also be defined as the general direction set for the teaching process.

The effective teaching of reading, lecturers has to lead students in the class to become proficient and successful readers. Creative lecturers do not just only use one particular method and technique but they have to implement many strategies and skills to accommodate the needs and learning styles of each student in the class. According to Slavin (2000) that effective instruction is not a simple matter of one person with more knowledge transmitting knowledge to another. Therefore, successful lecturers who teach reading realize that reading can be taught by using various strategies. Teaching should be modified by the lecturers depending on the students' needs. In addition, Allington (2002) stated that creative lecturers manage to get better results regardless of curriculum materials, pedagogical approaches, and/or reading programs.

There are many teaching methods that can be used in teaching procedure text such as lecturing method, discussion method, quantum teaching method, demonstration method and so on. Sudjana (2008: 203) says that metode adalah cara yang telah teratur dan terpikir baik-baik untuk mencapai suatu maksud. It means that method is technique or way that is arranged to get the aim. There is teaching methods that will be discussed as X variable, that is aquantum teaching method.

Quantum teaching is teaching method that can make the students feel enjoy and relax in learning. Rahmadian and Subianto(2009: 226) say that quantum teaching is teaching approach to quite of students to interest in learning. AbuddinNata(2009: 232) defines that quantum teaching is a change of learning to be merry with all of nuance. It means that quantum teaching creates a pleasant nuance or atmosphere in teaching and learning. Ditendik (2004: 13) states that QT adalah suatu metode pembelajaran yang memadukan seni dan pencapaian tujuan yang terarah melalui interaksi kelas yang dinamis. It means that quantum teaching is a kind of teaching method that combines art and the directed goal achievement through a dynamic interaction of the class.

Bobbi Deporter (2005: 3) says that the function of quantum teaching method is to change students' ability and talent become light that is useful for themselves and other person. Then, AbuddinNata (2009: 232) states that the function of quantum teaching method is to motivate, inspire and quite the students, and the lecturer can teach effectively and success in learning process so that learning process is more interesting and enjoy. It is clear that the function of quantum teaching method is to make the students are in good condition to learn. AbuddinNata(2009: 232) says that quantum teaching menawarkan suatu sintesis dari hal-hal yang di cari, atau cara-cara baru untuk memaksimalkan dampak usaha pengajaran yang di lakukan guru melalui perkembangan hubungan, penggabungan belajar, dan penyampaian kurikulum. It means quantum teaching offers a synthesis from thing that is looked for, or new ways to maximize the effect of teaching effort that is done by lecturer by developing the relationship, merging the learning and supplying the curriculum. So, the writer concludes that the objective of quantum teaching method is to explain the new easier ways in learning process through art and interaction with fellow. Based on quotation above, the writer concludes that quantum teaching is a new easier way in learning process with art principle and purpose about achievement and focus on connection that is dynamic in classroom's surrounding. It makes the students feel enjoy and relax to learn the material that is taught by the students.

2. Research Methods

The location as the place of conducting the research is at Institut Pendidikan Tapanuli Selatan which is located at Jalan Stn Muhammad Arif kel. Batang Ayumi Jae Padangsidimpuan Utara. This research was conducted for three months from April up to June 2025, because it is the suitable and available time for conducting this research based on the problem to be researched. The writer uses experimental method in this research, because the writer wants to know the effect of Quantum teaching method variables. Arikunto, (2009: 136) says that experimental method is the way to find out both cause effect relationship between two factors and it is done by researched by eliminating or avoiding other factors that can influence. Meanwhile, Ary et.al. (2008: 284) say that an experiment method is a scientific investigation in which the researcher manipulates one or more independent variables, controls any other relevant variables and observes the effect of manipulations on the dependent variable(s).

The population of this research is the first grade of English Deparment Institut Pendidikan Tapanuli Selatan. Hasan (2002: 58) says that populasi adalah totalitas dari semua objek atau individu yang memiliki karakteristik tertentu, jelas dan lengkap yang akan di teliti. It means that population is total of whole object or individuals that have certain characteristic, clear and complete that will be researched. So, the total of the population is 26 students. Sample is the respondents of the subject research. The writer takes the first grade of English DeparmentInstitutPendidikanTapanuli Selatan as the sample of this research by using total sampling which is consist of 26 students. In this research, the writer collected the data by

using an instrument. The instrument is test and observation sheet. The test consists of 25 items in multiple choices form. The test is used to measure the students' procedure text mastery. Meanwhile the observation will be given to the lecturer in order she fill in the sheet while the writer teach by using quantum teaching. After collecting the data, the next step to be done is analyzing the data. The writer categorize the data of the students' score by using the score criteria of Syah (2000: 153) in order to know whether the students' score fail, bad, enough, good and very good. Then, the data is analyzed by using t - test formula.

3. Results and Discussion

After calculating the data, it was found that the highest score of the students' procedure text ability by using quantum teaching was 92 and the lowest score was 48. Then, it was calculated in order to know the description of the data for this variable in which to know mean, median and mode. From the calculation, it is known that the mean was 70.6, median as the middle result was 72, and mode as the most appeared result was 72. Based on the score criteria of Syah, the students' ability in mastering procedure text can be categorized "good". It can be seen from the interval score 70 - 79.

After collected the data, the writer concluded that the score of data is analyzed by used the formula of t -test. Based on the calculation of t - test, it was found that coefficient of t is 2.28. Next, it is associated with the score of t table on the test " t " of 70 df ($N - 2 = 70 - 2 = 68$). Because there is no df = 68 in the table, so the writer chooses the nearest df to 68 is that df = 70. Then, the writer chooses significant " t " 5%, because significant " t " 5% is usually used in education case, and the coefficient of the t table was 2.00. Based on the above explanation, if the t -test 2.28 is compared with the t table 2.00, it is found that $2.28 > 2.00$. It can be said the t -test was higher than t table. It means that the hypotesis is accepted. In other words, there is a significant effect of quantum teaching methods on the students' ability to master procedure text at the seventh grade students of the first grade of English Deparment Institut Pendidikan Tapanuli Selatan. In conducting the research, the writer has done her best in order to get a better result. But, the writer realizes that there are some weaknesses of this research especially from the students. The writer does not know exactly whether the students answer the questions in the instrument based on their ability or not. In teaching procedure text the lecturer should teach all of the important components of procedure text, they are social function, generic structure and lexicogrammatical features in order to make the students can be able to master procedure text totally. In addition, the lecturer also should use an appropriate teaching method in teaching English especially in teaching procedure text.

4. Conclusion

The aplication of quantum teaching method in teaching reading procedure text at the first grade of of English Department in Institut Pendidikan tapanuli Selatan is good. It can be seen from the students atmosfher in the classroom while teaching and learning process. The

students ability After analyzing the data, the writer finds that the result of reading procedure text is better by using Quantum teaching method. It can be seen from the mean of the use of the method on students' ability in reading procedure text Furthermore, from the hypothesis testing, it can be known that t - test value is greater than t - table. It means that there is a significant effect of using quantum teaching method on students' ability in reading procedure text, so the hypothesis of the research is accepted.

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