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PROCEEDINGS

4th International Conference on Technical and Vocational Education and Training (TVET)

Theme :
Technical and Vocational Education and
Training for Sustainable Societies



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FOREWORDS

This proceeding aims to disseminate valuable ideas and issues based on research or literature review in the field of vocational, technical and engineering studies, which have been presented in 4th International Conference on Technical and Vocation Education and Training. This conference has taken place in Hospitality Center Universitas Negeri Padang, November 9-11, 2017.

The theme of Conference focused on the perspective of technical and vocational education and training for sustainable society to face the challenges of 21st century, globalization era, and particularly Asian Economic Community. To overcome the challenges, we need the innovation and change in human resources development. Technical vocational educational and training have essential roles to change the world of education and work in order to establish sustainable society.

Undoubtedly, TVET need to enhance the quality of learning by developing various model of active learning, including learning in the workplace and entrepreneurship. Create innovation and applied engineering as well as information technology. Improvement of management and leadership in TVET Institution, and development of vocational and technical teacher education.

Many ideas and research findings have been shared and discussed in the seminar, more than 176 papers have been collected and selected through scholars, scientists, technologist, and engineers'. as well as teachers, professors, and post graduates students who participated in the conference.

Eight keynote speakers have taken a part in the conference, namely Prof. Intan Ahmad, Ph.D. (Director general of learning and student affairs, Kemenristek Dikti) and Prof. Josaphat Tetuko Sri Sumantyo, Ph.D. (CEReS Chiba University) and Prof. Dr. Maizam Alias (UTHM Malaysia) and Prof. Ganefri, Ph.D. (Rector of UNP) and Prof. Dr. Ramlee bin Mustapha (UPSI Malaysia) and Prof. Nizwardi Jalinus, Ed.D. (Chair of TVET doctoral program, FT UNP) and Prof. Michael Koh, Ph.D. Dr. Fahmi Rizal, M.Pd., MT (Dean of FT UNP). They all have a great contribution for the success of the conference.

Finally, thank a million for all participants of the conference who supported the success of 4th International conference on TVET 2017 and most importantly, our gratitude to all scholars who support and tolerated our mistake during the conference.

Padang, 9 November 2017

Prof. Dr. Nizwardi Jalinus, M.Ed
Chair of Scientific Committee

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IMPROVING THE ESP STUDENTS' VOCABULARY BY USING PICTURES IN CIVIL ENGINEERING STUDY PROGRAM AT FIRST SEMESTER OF EKASAKTI UNIVERSITY PADANG

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ABSTRAK: This research was conducted on one semester students of civil engineering study program of Universitas Ekasakti, Padang. The purpose of this study is to know the extent of the positive impact of the use of images in improving students' skills in English vocabulary. This research is a Classroom Action Research (PTK) conducted through a research cycle using images in teaching English subjects. In addition to using the test, the data obtained in this study is through observation, interviews, questionnaires. The results of this study indicate that there is an increase in the number of vocabulary students from the use of images in teaching and learning process which can be seen from the average student increased from 53 to 63. It also can increase motivation and interest of students in learning English.

Keywords: *Picture, Vocabulary Mastery and Classroom Action Research (PTK)*

INTRODUCTION

A. Background of the Research

English is still seen as a language number one at schools. Students' interest in this language is enormous and I dare say there is no school where English language is not taught. English is a part of school curriculum. On the other hand, the students do not study general English, but they learn English for Specific Purpose (ESP). In this terms English for civil engineering. Learning English in general and English for specific purposes is different, where in learning English for specific purposes, the students learn more complicated vocabulary.

Furthermore, vocabulary is the first thing for students to learn the four skill. As the lecturer in the Ekasakti University of Padang, the researcher found that some her and his students have difficulties in mastering English vocabulary. The problems might come from lecturer, students and the way of lecturer's teaching. In the way of teaching, lecturer has ever tried some methods. Usually lecturer asks students to remember some words. Besides that, the lecturer has ever asked students to write down the words that lecturer said. However, these methods can not help to increase students motivation in studying English. It can be seen from result the test, where not more than 30 % students can answer lecturer's questions. One the way to improve students' vocabulary by using picture. Picture is good used in the class especially for ESP students.

Based on the description above, the researcher would like to do classroom action research with the title "Improving The ESP Students' Vocabulary by Using Picture in Civil Engineering Study Program at First Semester of the University of Ekasakti University Padang".

B. REVIEW OF THE RELATED LITERATURE

1. Definition of Vocabulary

According to Susanti (2002:89), "Vocabulary is the total number of words in a language. It is also a collection of words a person knows and used in speaking and writing". It means that vocabulary is collection of the words used every one to use in speaking and writing.

2. Vocabulary Mastery

According to Swannel adopted by Larasati (2011:12) mastery is comprehensive knowledge. From the definition, mastery is wide; it covers all of the elements of knowledge. It means that mastery is a comprehension about all of knowledge. Mastery is the knowing and understanding everything about knowledge. Moreover Cameron (2001:78) vocabulary skills included: pronunciation, spelling, grammar and meaning.

B. Research Method

This research was a class action research since it fulfilled the criteria mentioned by some experts above that this research was done to find out the solution to real problem of the researcher about students' vocabulary mastery. Besides, this research was also done with a collaborator.

The collaborator was Mrs. Nursyalini Eka Putri, M.Pd an English lecturer in Ekasakti University Padang



In conducting this reseracher, therewere some instrumets used to get the data. The data were collected by using test, observation, field note,and interview to describe the situation during the research and the result of the research.

In conducting this reserach, the reseracher used 2 cycles. Since it was a classroom action research, each cycle consisted of 4 steps, they were; plan, action, observation, and reflection.

C. Finding and Discussion

1. The finding

This research was conducted to answer the research questions: 1) to what extent can vocabulary by using pictures to Improving the ESP Students' Vocabulary by Using Pictures

Table 4: The Pre-Test Score and the Students' Ability Level in Vocabulary

No	Range Score	Ability Level	Frequency	Percentage
1	80 - 100	Good to Excellent	0	0 %
2	60 – 79	Average to Good	7	23 %
3	50 - 59	Poor to Average	17	57 %
4	0 - 49	Poor	6	20 %
Total			30	100 %

From the table above, we can see that there were no students or 0 % who Good or Excellent score, 7 students or 23 % who git Average to Good score, and 6 students orr 20 % who got Poor score. This pre-test was to know the students' ability in vocabulary mastery before the treatment. But,after giving the Pre-test, the researcher conducted the treatment for three meetings. After giving the treatment, the researcher gave post-test to the students to see the increasing of students' vocabulary score between pre-test and post-test.

Table 6: The Average Scores of the Students in Pre-Test andPost-Test

The Average Scores of Pre-Test	The Average Scores of Post-Test
53	63

Based on the table above, we can see that the average scores of the students increase in post-test. It increased from cycle I,the students got score was 53 and the cycle II, the students got score to become 63. The average scored could reach 60 as minimum score, so the research was categorized success.

2. Discussion

From the two cycles in this action research, the researcher concluded that students' Vocabulary

In Civil Engineering Study Program at First Semester of Ekasakti University Padang? and 2) what factors influencing Improving the ESP Students' Vocabulary by Using Pictures In Civil Engineering Study Program at First Semester of Ekasakti University Padang?

By looking at the data analysis The researcher conducted the research to the first semester students of Civil Engineering Study Program, The University of Ekasakti Padang during two cycles. In order students' ability in vocabulary mastery can be improved after taught by using pictures, the researcher analyzed the result of increasing the students' scores from pre-test to post-test. The reseacher did pre-test to subject of this research; it is first semester of the Ekasakti University. The participants were 40 students. From 30 items, the row score was 18.04 and teh average scores was 53.

The items were given as the pre-test. From 30 items, by focusing on calculating the means score of the post-test, it was found that the mean score of students was 63.

The average score in the pretest was 53; it means that the vocabulary mastery of the students was Poor to Average. After conducted the treatment by teaching them using pictures, the researcher analyzed that there was an increasing of students' result in the post-test. It was shown that average score of students increased to be 63.

mastery could improve the ESP Students' Vocabulary by Using Pictures.

Based on the findings of this research, it was stated that pictures could better improve the first semester at Civil Engineering study program of Ekasakti University Padang of 2015/2016. The improvement couldbe seen from cycle 1 until cycle 2.

3. Conclusion

In conducting this research, the researcher found some an increase of the students' average scores in pre-test and post-test. The means score in pre-test was 53 and increased in post-test to be 63. From the observation table of the students, it also shown that the motivation of students in teaching and learning process increased. Application of this study some strengths of using pictures to increase the vocabulary of the first years students, they are:

- a. The students were trained to be smart in using pictures to increase vocabulary.
- b. By using pictures, the students were easy to remember the words.
- c. By mastering English vocabulary, the students are expected has improvement in English skills; speaking, reading, listening and writing.

However, the researcher also found the weakness that the students were why to speak English at the first time the researcher taught them by using pictures

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