CHAPTER 4

RESULTS OF THE STUDY

This chapter presents the results of the study from three items of research questions, they obtained from the investigation reported as the following order:

4.1 Research question 1 regarding the achievement of the posttest scores comparing to the pretest scores of Prathomsuksa 4 students' English vocabulary learned through TPR.

4.2 Research question 2 concerning the progressive ratio of students' English vocabulary learning using TPR as the effectiveness index.

4.3 Research question 3 involved the level of the students' satisfaction towards TPR.

4.4 Summary

The results of quantitative data collected from research question are as follows:

4.1 The Achievement of the Posttest Scores Comparing to the Pretest Scores of Prathomsuksa 4 Students' English Vocabulary Learned Through TPR

To study the achievement of TPR in vocabulary learning, the analysis of data from the vocabulary test is very essential because it shows the improvement of students in vocabulary learning.

Table 4.1 The Hypothesis Testing.

Number	Pretest Scores (20)	Posttest Scores(20)	Development
1	7	13	6
2	9	17	8
3	12	19	7
4	7	14	7
5	11	18	7
6	8	15	7
7	9	17	8
8	11	18	7
9	10	17	7
10	9	16	7
11	8	15	7
12	10	16	6
Total	111	195	84
$\overline{x}$	9.25	16.25	7.00
SD.	1.60	1.76	
%	46.25	81.25	40.38

Table 4.1 shows the scores of pretest are 111, the mean scores at 9.25, and percentage are 46.25. While the posttest scores are 195, the mean scores are 16.25, and percentage is 81.25. The total scores of development are 84, average at 7.00, and percentage is 40.38. In summary, the posttest scores higher than the pretest scores. The results relate with the hypotheses of the study which expected that the posttest scores of the Prathomsuksa 4 students' English vocabulary achievement higher than the pretest scores.

Table 4. 2 The Comparison of Pretest and Posttest Scores of the Pratomsuksa 4

Students' English Vocabulary Learned Through TPR

The test	N	$\overline{x}$	S.D.	t	P - value
Pretest	12	9.25	1.60	40.21**	.000
Posttest	12	16.25	1.76		

**P < .01

Table 4.2 presents the mean scores ($\overline{x}$) of the pretest at 9.25, while posttest

scores was 16.25. This showed the students' development in learning English

vocabulary through TPR, the standard deviation (S.D.), the t-test value and the

significant value of the pretest and the posttest. The results indicate that the mean

scores of the posttest were significantly higher than those of the pretest. The

significant values were at **P < .01, which can be interpreted highly significant. This

revealed that the students' performance in vocabulary was improved.

4.2 Research Question 2 Concerning the Progressive of Students' English

Vocabulary Learning Using TPR as the Effectiveness Index.

Table 4.2 presents the total scores of pretest and posttest, the difference scores

between pretest and posttest, the total scores, means ($\overline{x}$), standard deviation (S.D.),

percentage (%), and the value of effectiveness index (E.I.).

Table 4.3 The Effectiveness Index (E.I.) of Students' English Vocabulary Learning Using TPR.

Number	Total Scores		Difference
	Pretest (20)	Posttest (20)	
1	7	13	6
2	9	17	8
3	12	19	7
4	7	14	7
5	11	18	7
6	8	15	7
7	9	17	8
8	11	18	7
9	10	17	7
10	9	16	7
11	8	15	7
12	10	16	6
Total	**111**	**195**	**84**
SD.	**1.60**	**1.77**	**0.60**
$\overline{X}$	**9.25**	**16.25**	**7.00**
E.I.		**0.6512**	

The results of effectiveness index of TPR in improving student's English vocabulary learning compared the posttest scores to the pretest scores show in the table 4.2 were the total scores of pretest at 111, the posttest scores at 195, the full scores were 20, the number of samples were 12, and the different scores between posttest with pretest at 84. The posttest scores are much higher than the pretest scores. The effectiveness index was calculated and yielded the result 0.6512. The percentage value at 65.12 was higher than the criterion set at 50.00. The result shows the improvement in English vocabulary through TPR method.

4.3 Research Question 3 Involves the Level of the Students' Satisfaction towards TPR.

The data in Table 4.3 displays the level of the students' satisfaction for TPR technique. Actually it shows the total scores of 15 items, means, standard deviation, and the level of satisfaction are as follows.

Table 4.4 The Scores of Students' Satisfaction Towards TPR Technique

No.	Items															$\overline{X}$	S.D.	Level of Satisfaction
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15			
1	4	4	4	5	4	5	5	5	5	5	5	4	5	4	5	4.6	0.5	5
2	5	5	4	5	5	5	5	5	5	5	5	5	5	5	5	4.9	0.3	5
3	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	0	5
4	4	5	4	4	4	5	5	5	5	5	5	4	5	4	5	4.6	0.5	5
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	0	5
6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	0	5
7	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	0	5
8	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	0	5
9	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	0	5
10	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	0	5
11	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4.9	0.3	5
12	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	0	5
$\overline{X}$	4.8	4.9	4.8	4.9	4.8	5	5	5	5	5	5	4.8	5	4.8	5	4.92	0.2	5
S.D.	0.5	0.3	0.5	0.3	0.4	0	0	0	0	0	0	0.4	0	0.4	0	0.20		
Level of Satisfaction	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5		

The level of the students' satisfaction towards TPR in the table 4.4 shows that the mean rating scale level of the student's satisfaction in English Vocabulary learned through TPR was at 4.92; the standard deviation was at 0.2; and the collected data showed that the level of rating scales was at 5 referenced to Best W. John method.

According to the result of rating scale, the students' satisfaction in English vocabulary learning through TPR could be organized in order as follows: firstly, students showed the most satisfaction in the 7th item: enjoyed learning vocabulary

with TPR activities, secondly, the more satisfaction rating in the 9th item : they impressed with TPR activities and would like to join with TPR class again, and thirdly they showed the moderate satisfaction in the item of 13th : they liked to act accordingly to whatever the teacher tells them to do.

In summary, the level of the students' satisfaction towards TPR was the "Most Satisfaction"

4.4 Summary

In summary, this chapter presented three answers of the research questions. The first answer showed the comparable scores between the posttest and the pretest. The finding exposed the posttest scores were higher than the pretest scores, which indicated that students' English vocabulary achievement toward TPR technique. The second answer mentioned the effectiveness index, exactly the results of total scores of the posttest were significantly higher than the pretest. It could be interpreted that the effectiveness of students' English vocabulary was high by using TPR technique. Finally, the final answer found that the level of the students' satisfaction towards TPR at "Most Satisfaction". These results were discussed in Chapter 5.