

# The Effect of Jigsaw Technique in Reading Comprehension on Recount Text

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## The Effect of Jigsaw Technique in Reading Comprehension on Recount Text

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### Keywords:

Effect, jigsaw, reading comprehension, recount text

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### Abstract

The objective of this research is to find out the effect of Jigsaw technique on reading comprehension at grade ten of SMA 4 Negeri Pematangsiantar. The research used descriptive quantitative research design by applying Quasi-Experimental design. In conducting this design, the subjects of the research were divided into two groups: experimental group and control group. The treatment is introduced only to the experimental subject. The experimental group is treated by using Jigsaw technique while 42 the control group is treated without Jigsaw technique. The subject of this research was the grade ten students (X PMIA 4 and X PMIA 5) in SMA Negeri 4 Pematangsiantar. The researcher used mobile phone as instrument 36 which recorded video teacher and students activity during teaching and learning process in the class.

The result of the research showed that in significance degree of 5%, the value of t-observe 10 t-table that was (5.55 > 1.669). It could be said that t-observe was higher than t-table. So, the null hypothesis is rejected while the alternative hypothesis is accepted. In other words it can be concluded that the 21 application of Jigsaw teaching technique significantly affects the students' ability in reading comprehension of recount text at grade ten of SMA Negeri 4 Pematangsiantar.

### Kata Kunci:

Dampak, Jigsaw, Pemahaman membaca, teks recount

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### Abstrak

Tujuan dari penelitian ini 25 adalah untuk mengetahui dampak dari penggunaan teknik jigsaw terhadap pemahaman membac 6 a siswa kelas 10 SMA Negeri 4 di kota Pematangsiantar. Penelitian ini menggunakan metode penelitian berupa deskriptif kuantitatif dengan menerapkan model quasi-experimen 6. Dalam menerapkan model ini, subjek penelitian ini dibagi menjadi 2 kelompok yaitu kelompok control dan kelompok experiment. Perlakuan (treatment) dilakukan hanya terhadap subjek experiment. Perlakuan (treatment) diberlakukan terhadap kelompok experiment dengan menggunakan teknik jigsaw sedangkan kelompok control tidak diberlakukan perlakuan dengan

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*menggunakan teknik jigsaw. Subjek dari penelitian ini adalah siswa-siswi kelas 10 (X PMIA 4 dan X PMIA 5) di SMA Negeri 4 Pematangsiantar. Para peneliti menggunakan telepon seluler sebagai alat untuk merekam aktivitas guru dan siswa selama proses belajar mengajar yang berlangsung di dalam kelas.*

*Hasil dari penelitian ini menunjukkan bahwa tingkat signifikan yaitu 5%, nilai t-observe lebih besar dari t-table yaitu  $5.55 > 1.669$ . hal ini dapat diartikan bahwa t-observe lebih tinggi daripada t-table. Maka hipotesis nol ditolak sedangkan hipotesis alternative diterima. Dengan kata lain, penelitian ini menyimpulkan bahwa penerapan teknik mengajar jigsaw memberikan dampak signifikan terhadap kemampuan siswa dalam pemahaman membaca dalam teks recount untuk siswa-siswi kelas 10 SMA Negeri 4 kota Pematangsiantar.*

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## **Introduction**

Language is very essential for human being. It plays an important role in our life and society. It is used as tool of communication, which means language is a meaning of communication that is used to interact and to strengthen relationship, such as getting or giving information and also to express their idea or other activities. Sapir (1921) as cited in Herman (2014:2) define language is purely human and non-instinctive method of communicating ideas, emotions, and desires by means of a system of voluntarily produced symbols. It means that language is own of human only in which is acquired through learning, implemented in form of sounds, produced by human organ of speech in sentences realities. Thus, language can be communicated in spoken language, written language and gestures. In line with this, language must be learnt to communicate with others well.

In communicating with others well, there are many kinds of languages in all over the world, such as; English, Mandarin, French, Indonesia, etc. People need to learn another language in purpose to make a social relationship with other people in different places or countries. Most people in the world learn English as the international language. Some of them use English as the second language after their mother tongue as a need of communication in this globalization era.

In Indonesia, the position of English is as a foreign language, it means that English need to be learnt and taught in the school and even in university. The government of Indonesia inserted English language in the school curriculum, because of importance of English nowadays. In learning English, the students should master the four language skills, they are; reading, listening, writing, and speaking. On this occasion, the researcher will focus to reading, because mastery reading skill is very important. Reading is a critical

academic skill, one which is necessary for success in all academic domains. We know that all the test usually need ability to read a text. Nowadays, especially in National Examination (UN), our government put Higher Order Thinking Skills (HOTS) where the students not only able to read but also comprehend the text well. Comprehending the text can be said as reading comprehension. But, many students were fail in reading comprehension.

Meng (2010:501) stated that <sup>7</sup> English reading has always been regarded as one of the main aims in English teaching in colleges and universities, because it can objectively reflect the students' abilities to acquire the language. Thus, reading is important because it can <sup>35</sup> help students to gain new information in order to comprehend what they read and to increase their knowledge.

The problem above is in line to the researcher's experience in teaching practice in SMA Negeri 4 Pematangsiantar on September 2017, the researcher found the fact that the tenth grade of SMA Negeri 4 Pematangsiantar had problems with reading comprehension in a recount text. The students had difficulties to get main idea, and understood the vocabulary. They were also difficult in comprehending the recount text when they found unfamiliar word and spent too much time to translate it. Thus, the students were unable to understand what the text was about. Consequently, the students could not answer the questions based on the text. The average score was 55, it means that the students couldn't achieve the criteria minimum passing grade is 70. Therefore, it can be concluded students had low reading comprehension in recount text.

To solve the problems above, there are many techniques can be applied for teaching reading comprehension such as, Student Team Achievement Division (STAD), Main Mapping, Jigsaw, Problem Based Learning (PBL), etc. One of them is Jigsaw technique. Jigsaw technique is a cooperative learning model that consists of several member in one group that responsible for the lesson materials and be able to teach the topic to other member of group, by discussion activities which can help the students to be active in the class, such as; reading the text, hearing the teacher reading the text, get new of vocabulary (Hyland, 2008). Jigsaw method make it suitable for enhancing two essential and related <sup>20</sup> teaching goals that contribute to reading comprehension: developing students' metacognitive awareness, and learning the content while teaching it to peers in the small group (Meng, 2010:501-504).

By creating an achievement, that the students can make group work through the assignment until the member of group successfully understand the topic and answer it. Furthermore, Jigsaw reading technique gives the students become more comfortable, free to have discussion with their group, and have a new fresh situation in the classroom.

Based on the explanation above, the researcher assumes that Jigsaw technique is suitable way to motivate students in reading. By using Jigsaw technique, they acquire basic knowledge. So, the researcher will conduct a research entitled "The Effect of Jigsaw Technique in Reading Comprehension at Grade ten of SMA Negeri 4 Pematangsiantar".

## Method

### 1. Research Design

The research design used in this research is descriptive quantitative research design by applying Quasi-Experimental design. In conducting this design, the subjects of the research were divided into two groups: experimental group and control group. This research method is used to describe variables, to examine relationships among variables and to determine cause-and-effect interactions between variables (Burns & Grove, 2005:23).

The treatment is introduced only to the experimental subject after measuring the two groups. The experimental group is treated by using Jigsaw technique while the control group is treated without Jigsaw technique. The test is given for each group and the average differences score are compared in order to certain whether the experimental treatment produce the greater change then the control group.

Table 1 Research Design

GROUP	PRE-TEST	TREATMENT	POST TEST
EXPERIMENTAL	√	X	√
CONTROL	√	Y	√

Note:

X : using Jigsaw technique

Y : using conventional technique

## 2. Population and Sample

### a. Population

According to Creswell (2012:381) the population is the group of individuals having one characteristic that distinguishes them from other group. The population of this research will be the students of SMA Negeri 4 Pematangsiantar at grade ten. There are 10 classes: 7 classes are X PMIA and 3 classes X PIS. Total of population are 360 students.

### b. Sample

According to Creswell (2012:381) the sample is the group of participants in a study selected from the target population from which the researcher generalized to the target population. The technique in deciding the sample is purposive sampling. Purposive sampling allows the researcher takes the sample by using their judgment to choose the appropriate sample for collecting the data that needed and usually based on the prior information. It was chosen because those samples have the purpose, make the researcher is easier in collect the data. The sample for this research is two classes, they are X PMIA 5 as the experimental class consists of 36 students, and X PMIA 4 as the control class consist 36 students.

## 3. Research Instrument

The instruments of this research are a test, camera recorder, and mobile phone. Test is a method to determine students' ability to complete certain tasks of a skill or knowledge content. Some types would be multiple choice tests, true-false tests, essay tests, etc. A test that the researcher will use in this research is multiple choice test. A multiple choice test is consist of twenty items. And the test taken from National Examination that have been standardized by government. The content of the test are to find mind idea, asking for general and specific information, finding the meaning or synonym of vocabulary, and choosing the right tenses to fill the blank . The researcher also will use camera recorder and mobile phone to record video when the researcher doing the process of collecting data.

## 4. Technique of Data Collection

In collecting the data, the researcher uses experimental and controlled class. The instruments that will be used to collect the data are:



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**a. Pre-test**

The researcher gave pre-test to both class; experimental and controlled class. The students were given some questions in the form of multiple choice based on the English text provided. The function of the pre test is to know the mean score of the control and experimental group before getting treatment.

**b. Treatment**

The experimental and control groups are taught by using the same material but different technique. In the experimental group, the teacher will apply Jigsaw technique. And in the control group, the teacher will apply a conventional method.

**c. Post- test**

Post-test was used to find out if Jigsaw technique is effective towards students' reading comprehension. The purpose of conducting the post-test is to find out the result of students' achievement after the students have been given the treatment in the form of teaching. The question test of post-test used was same as the question test used in pre-test.

**5. The Procedure of Teaching**

**a. Teaching Process in Experimental Group**

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**1) Pre-test**

Pre-test was given before the treatments. First, the researcher came to the class. Then, she explained to the students what they had to do. Finally, she distributed the instruments and asked them to do the test.

**2) Activities for Experimental Group**

Table 2 Teacher and Students Activities in Experimental Group

No	Teacher	Students
1	The teacher greets the students and ask a student to lead pray	The students greet the teacher and a student lead a prayer
2	The teacher teaches about recount text with the treatment: Jigsaw technique	The students' pay attention to teacher explanation about recount text
3	The teacher asks to make six groups to apply <i>Jigsaw technique</i>	The students' pay full attention and responding what the teacher

No	Teacher	Students
	then they gave recount text to identify generic structure, and language features of recount text. (Under teacher controlled).	instruction.
4	The teacher gives a test	The students do the test

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3) **Post-test**

Post-test was held after all treatment was conducted. The post-test is used to know the effect of Jigsaw technique in the experimental group. This test was used to measure students' achievement after they were given treatments. Then the post test is give to know the differences scores of group between the experimental and controls group.

b. **Teaching Process in Contol Group**

1) **Pre-test**

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Pre-test was given before the treatment. First, the write came to the class. Then, she explained to the students what they had to do. Finally, she distributed the instruments and asked them to do the test.

2) **Activities for Control Group**

Table 3 Teacher and Students Activities in Control Group

No	Teacher	Student
1	The teacher greets the students and ask a student to lead pray	The students greet the teacher and a student lead a prayer
2	The teacher introduce the material and explain about the recount text	The students are listened and pay attention to the teacher explanation
3	The teacher give one example about recount text	The student listened to the teacher explanation and giving response
4	The teacher ask the students to analyze the recount text from the example	The students analyze the recount text from the example
5	Teacher gives the test	Students do the test



### 12 3) Post-test

Post test was held after all treatment was conducted. The post-test is used to know the effect of Jigsaw technique in the experimental group. This test was used to measure students' achievement after they were given treatments. Then the post test is give to know the differences scores of group between the experimental and control group. 11

### 6. Scoring The Test

In scoring the text, the researcher determined the cumulative score ranging from 0-100 by counting the correct answer and applying this formula.

$$S = \frac{R}{N} \times 100$$

Note:

S: Score

R: Correct answer

N: Number of test

100: Cumulative range 0 - 100

### 7. Technique of Data Analysis

To know the effect or result of the research, t-test formula was used to calculate. To analyze the data, the independent sample t-test is applied by using IBM SPSS 19.0. It is to analyze the possible different in writing composition between the two group involved in essay test. The procedure of analyze data using IBM SPSS 19.0 (Saragih, 2015:181) as follows:

- a. Open the IBM SPSS 19.0 application.
- b. Input the data
- c. Click Analyze → Compare Means → Independent Sample T-Test
- d. Input value variable to test variable (s) and group variable to Grouping variable then click Define Groups.
- e. Type *Experimental* in group 1 column and control in Group 2 column then, click Continue → Ok
- f. The output will appear in two tables. Group statistic and Independent Sample Test.
- g. Group statistic table to show data description which we analyze. The column which can be compared between two samples is Standard Deviation (Std. Deviation) column.

- It shows the difference of standard deviation of students' mark from two difference group.
- h. Independent sample T-Test table is divided into two parts, such as Levene's Test for Equality of Variances (to test the homogeneity of variances ) and T-test for Equality of Means (to test mean difference)
  - i. In T-Test for Equality of Means column, if the result of  $t_0 > t_t$ , it means that the students' average mark in experimental group is higher than in control group. It also shows that there is a significant effect of using Jigsaw Technique in reading comprehension recount text.

### Result and Discussion

The researcher took the scores from the students both of the control and experimental class. Herewith, the researcher gives the report concerning the data description of students' score of pre-test and post test.

#### 1. The Pre-test Score

In this section, the data obtained pre test of control class and experimental class. The pre test was taken on Thursday, 26<sup>th</sup> July 2018 at 09.00 - 10.30 in class X PMIA 4 as control class and at 12.30 - 14.00 in class X PMIA 5 as experimental class. Both of they were 36 students who followed this test. Table 4 report the students' score of pre-test.

Table 4 The Students' Score of Pre-test

Students	Pre-test Score of Control Class	Students	Pre-test Score of Experimental Class
APSS	50	AM	20
APT	25	AS	60
AP	35	BS	45
AGN	40	CG	30
DPS	30	DN	20
DAS	50	DW	60
CES	45	ETD	45
FNS	75	EPS	65
FNT	65	EYH	65

Students	Pre-test Score of Control Class	Students	Pre-test Score of Experimental Class
GVUAS	50	FAN	30
GS	70	GS	65
GSW	50	GS	45
GA	50	HT	75
JCP	50	IMES	65
JS	40	JP	40
KM	45	JS	50
KS	45	JD	55
LH	45	KS	60
MWS	60	KN	45
MHS	45	LMS	30
MABB	45	MG	45
MH	65	MSG	50
MH	55	NMM	75
PAP	55	NSS	70
RBD	70	NS	20
RN	65	OP	25
RF	55	OMG	60
RH	25	RET	50
SS	60	RS	55
SH	55	SP	45
SS	55	SS	35
TP	55	SIS	60
TG	70	SBS	30
VS	70	TH	75
YS	55	TLA	45
ZTP	45	YSS	45
$\Sigma$	1865	$\Sigma$	1755
Mean	51,81	Mean	48,75

The researcher using SPSS Application to analyse the data. These table presents the descriptive analysis based on the result of the pre-test score of the control class and experimental class.

Table 5 The Descriptive Analysis of Pre-Test Scores of the Control Class and Experimental Class

Statistics Pretest Control Class			Statistics Pretest Experimental Class		
N	Valid	36	N	Valid	36
Mean		51,8056	Mean		48,7500
Median		50,0000	Median		47,5000
Std. Deviation		12,42996	Std. Deviation		16,14112
Minimum		25,00	Minimum		20,00
Maximum		75,00	Maximum		75,00
Sum		1865,00	Sum		1755,00

The above table shows the students' pre-test score of control class and experimental class. The test was given in the first meeting before giving any treatment. The researcher found that the control class has 25 as the minimum score and the experimental class has 20. Both of control class and experimental class has 75 as the maximum score. The mean score of control class is 51,80 and the experimental class is 48,75. Hence, it can be concluded that the pre-test score of the experimental class is lower than the control class.

## 2. The Post-test Score

Table 6 reports the students' post test score of control and experimental class. The post test was taken on Thursday, 2<sup>nd</sup> August 2018 at 09.00 - 10.30 in class X PMIA 4 as control class and at 12.30 - 14.00 in class X PMIA 5 as experimental class. They were 36 students who followed this test.

Table 6 The Students' Score of Post-test

Students	Post-test Score of Control Class	Students	Post-test Score of Experimental Class
APSS	65	AM	70

Students	30 Post-test Score of Control Class	Students	Post-test Score of Experimental Class
APT	50	AS	80
AP	50	BS	75
AGN	60	CG	75
DPS	50	DN	70
DAS	60	DW	85
CES	55	ETD	70
FNS	85	EPS	90
FNT	75	EYH	80
GVUAS	60	FAN	70
GS	75	GS	85
GSW	70	GS	75
GA	55	HT	80
JCP	55	IMES	80
JS	65	JP	70
KM	55	JS	70
KS	60	JD	75
LH	50	KS	85
MWS	70	KN	80
MHS	60	LMS	70
MABB	70	MG	70
MH	75	MSG	75
MH	70	NMM	80
PAP	60	NSS	90
RBD	75	NS	75
RN	85	OP	70
RF	70	OMG	80
RH	45	RET	75
SS	70	RS	70
SH	85	SP	75

Students	Post-test Score of Control Class	Students	Post-test Score of Experimental Class
SS	70	SS	80
TP	70	SIS	70
TG	80	SBS	90
VS	85	TH	90
YS	75	TLA	70
ZTP	70	YSS	85
$\Sigma$	2380	$\Sigma$	2780
Mean	66,11	Mean	77,22

The researcher using SPSS Application to analyse the data. These table presents the descriptive analysis based on the result of the post-test score of the control class and experimental class.

Table 7 The Descriptive Analysis of Post-Test Scores of the Control Class and Experimental Class

Statistics			Statistics		
Post test Control Class			Post test Experimental Class		
N	Valid	36	N	Valid	36
Mean		66,1111	Mean		77,2222
Median		70,0000	Median		75,0000
Std. Deviation		11,15547	Std. Deviation		6,80803
Minimum		45,00	Minimum		70,00
Maximum		85,00	Maximum		90,00
Sum		2380,00	Sum		2780,00

Post test was given in the last meeting after the treatment. In the post-test, the minimum score of control class is 45 and the maximum score is 85. Besides, in experimental class the minimum score is 70 and the maximum score is 90. The mean of the control class is 66,11 and the experimental class is 77,22. Therefore, it can be seen that the post-test score of the experimental class is higher significant than the control class.



### 3. The Gained Score

Table 8 below reports the gained score of the control class and the experimental class. Both control class and experimental class have 36 students.

Table 8 The Gained Score of Control Class and Experimental Class

Students	Gained Score of Control Class	Students	Gained Score of Experimental Class
APSS	15	AM	50
APT	25	AS	20
AP	15	BS	30
AGN	20	CG	45
DPS	20	DN	50
DAS	10	DW	25
CES	10	ETD	25
FNS	10	EPS	25
FNT	10	EYH	15
GVUAS	10	FAN	40
GS	5	GS	20
GSW	20	GS	30
GA	5	HT	5
JCP	5	IMES	15
JS	25	JP	30
KM	10	JS	20
KS	15	JD	20
LH	5	KS	25
MWS	10	KN	35
MHS	15	LMS	40
MABB	25	MG	25
MH	10	MSG	25
MH	15	NMM	5
PAP	5	NSS	20
RBD	5	NS	55

Students	Gained Score of Control Class	Students	Gained Score of Experimental Class
RN	20	OP	45
RF	15	OMG	20
RH	20	RET	25
SS	10	RS	15
SH	30	SP	30
SS	15	SS	45
TP	15	SIS	10
TG	10	SBS	60
VS	15	TH	15
YS	20	TLA	25
ZTP	25	YSS	40
$\Sigma$	515	$\Sigma$	1025
Mean	14,30	Mean	28,47

The researcher using SPSS Application to analyse the data above. These table presents the descriptive analysis based on the result of gained score of the control class and experimental class.

Table 9 The Descriptive Analysis of Gained Scores of the Control Class and Experimental Class

Statistics  
Gained Experimental Class

N	Valid	36
Mean		28,4722
Std. Error of Mean		2,28712
Std. Deviation		13,72274
Sum		1025,00

Statistics  
Gained Control Class

N	Valid	36
Mean		14,3056
Std. Error of Mean		1,12956
Std. Deviation		6,77735
Sum		515,00

The table data above describes that the gained score for the experimental class is higher than control class. The mean of gained score in control class is 14,30 and the experimental class is 28,47.

#### 4. The T-test Score

This section is intended to answer the research question whether Jigsaw technique effective on students' reading ability in comprehending recount text at grade ten of SMA Negeri 4 Pematangsiantar. T-test was used to answer the research question and conducted in both the experimental class and control class.

The researcher using SPSS Application to analyse the data to find out the t-test. These table presents the descriptive analysis of t-test.

Table 10 The Descriptive Analysis of T-test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
	Sig.	F	Sig.	T	Df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
ttest	Equal variances assumed	13,819	,000	5,554	70	,000	14,16667	2,55085	9,07916	19,25418
	Equal variances not assumed			5,554	51,115	,000	14,16667	2,55085	9,04590	19,28743

The calculation of t-test was used to test the hypothesis whether there was significant different between students' achievement in experimental class which was given Jigsaw technique and students' achievement in control class without using Jigsaw technique. Based on the table above, it is showed that the result of the t-test from the experimental class and control class is 5,55. The table also showed that the degree of freedom (df) is 70. The value level of significance is 0.05 (5%) and 0.01 (1%).

$t_{table}$  at df 70 at 5% the level of significant = 1.669

$t_{table}$  at df 70 at 1% the level of significant = 2.385

With the criteria:

If  $t_{\text{test}} (t_{\text{observed}}) > t_{\text{table}}$ ,  $H_a$  is accepted and  $H_0$  is rejected.

If  $t_{\text{test}} (t_{\text{observed}}) < t_{\text{table}}$ ,  $H_a$  is rejected and  $H_0$  is accepted

Based on the result of hypothesis test calculation, it was found that the value of  $t_{\text{observed}}$  was greater than the value of  $t_{\text{table}}$  at the level of significance in 5% or 1% that was 1,669 < 5,55 > 2,385. It meant  $H_a$  was accepted and  $H_0$  was rejected.

It could be interpreted based on the result of calculation that  $H_a$  stating that "the application of Jigsaw technique significantly affects the students' ability in reading comprehension of recount text" was accepted and  $H_0$  stating "the application of Jigsaw technique does not significantly affect the students' ability in reading comprehension of recount text" was rejected. It meant that teaching reading by using Jigsaw technique increases the grade ten students' reading scores at SMA Negeri 4 Pematangsiantar.

Based on the result of the data analysis above, the researcher found that the use Jigsaw technique is good to improve the students' reading comprehension ability. First, from the pre-test result, it can be gathered two findings, the mean of experimental group and the mean score of the control group, the mean score of the experimental group is 48.75 while the mean score of the control group is 51.81. Both of those mean score are in the same category. From these results, it can be interpreted that the students of both groups are possessing equal intelligence. Second, based on the result of the post-test, it is found that there is an increase of the mean score of the experimental group and the control group. Nevertheless the increase of the mean score of the experimental group is higher than that of the control group. The increase of the mean score of the experimental group is 28.47 points. Meanwhile, the increase of the mean score of the control group is 14.30 points. The last, according to the result of hypothesis test calculation, it was found that the value of  $t_{\text{observed}}$  was greater than the value of  $t_{\text{table}}$  at 5% and at 1% the level of significance or 1,669 < 5,55 > 2,385. It meant that  $H_a$  was accepted and  $H_0$  was rejected.

Based on the research analysis the use Jigsaw technique is good to improve the students' reading comprehension ability. The students are forced to understand the whole content of the text. The students are forced to analyze the specific information, the purpose, the topic, the main idea, etc of the text. The students also have to understand the context of the text. They have the responsibility to explain what they get to their friends. Unconsciously the students will be familiar on comprehending the text. The results were similar with the previous research done by Septami, et.al (2018) which was using the

analytical exposition text. In Septami et.al's article, the jigsaw used was by the theory of Holliday (2002) which presents the nine procedures of jigsaw IV technique, meanwhile this theory used different theory. The location selected in the article was in SMAN 2 Pekanbaru. The results of the study showed that there are good effects of Jigsaw IV technique and solved the second year students' problem on reading comprehension especially towards students' reading comprehension of SMAN 2 Pekanbaru. It is suggested that Jigsaw IV technique can be applied not only for junior high school level, undergraduate students level, EFL students level, and students in science class but also can be applied for second year of senior high school level. In short, the jigsaw technique is really useful and beneficial for English teacher in teaching English especially related with a skill of writing in a genre.

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### Conclusion

Based on the result of the analysis, it showed that in significance degree of 5%, the value of t-observe > t-table that was (5.55 > 1.669). It could be said that t-observe was higher than t-table. So, the null hypothesis is rejected while the alternative hypothesis is accepted. In other words it can be concluded that the application of Jigsaw teaching technique significantly affects the students' ability in reading comprehension of recount text at grade ten of SMA Negeri 4 Pematangsiantar. The contribution after the researcher applied the Jigsaw technique is the students more understanding purpose of the recount text, the structure of the recount text, and the linguistic element of recount text. And also the students more aware about their responsibilities, because by using Jigsaw technique they are not only as students/listener but also as a teacher/expert.

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