**THE EFFECTS OF JIGSAW, STUDENT TEAMS ACHIEVEMENT DIVISIONS (STAD), AND THINK-PAIR-SHARE (TPS) TECHNIQUES IN WRITING NARRATIVE TEXT**

Ika Purnama Sari1,

Susiani2

1 Lecturer of STIKOM Tunas Bangsa Pematangsiantar

2 Lecturer of AMIKTunas Bangsa Pematangsiantar

[ikapurnama@amiktunasbangsa.ac.id](mailto:ikapurnama@amiktunasbangsa.ac.id) , [susianiatb1@gmail.com](mailto:susianiatb1@gmail.com)

**ABSTRACT**

**Ika Purnama Sari. 2020. The Effects Of Jigsaw, Student Teams Achievement Divisions (STAD), And Think-Pair-Share (TPS) Techniques In Writing Narrative Text (An Experimental Research at The Second Semester Students of STIKOM Tunas Bangsa Pematangsiantar)**

The aim of this research is to find out the effect of three cooperative learning techniques, namely, Jigsaw, Students Teams – Achievement Division (STAD), and Think-Pair-Share (TPS). The research design used in this study was quantitative approach with an experimental. The samples were Second Semester Students of STIKOM Tunas Bangsa Pematangsiantar. The data of this research were gained from the score Narrative Text Test that analyzed by using One Way ANNOVA. The research finding showed that (1) Jigsaw Sig. (2-tailed) value is 0.00 < 0.05. STAD Sig. (2-tailed) value is 0.00 < 0.05. TPS Sig. (2-tailed) value is 0.00 < 0.05, it means Jigsaw, STAD and TPS can affect the students ability in writing. (2) The increasing percentage of Jigsaw Teaching Technique to 75%, Students Teams – Achievement Division (STAD) to 68% and Think-Pair-Share (TPS) to 57%. (3) The result of data Analysis by One Way Annova indicate that Significant values is 0.043 which is < 0.05, and Fvalue is 3.305 > T Table 3.16, it means there is one Teaching Technique more significant there the other technique. Here Jigsaw Teaching Technique more Significant than STAD or TPS. In Jigsaw Teaching Technique, The mean difference is significant at the 0.05 level.

### *Keyword : Cooperative Learning, Think-Pair-Share (TPS), Jigsaw And Students Teams – Achievement (STAD), One Way ANNOVA*.

1. **INTRODUCTION**

There are a great number of cooperative learning techniques available. Some cooperative learning techniques utilize student pairing, while others utilize small groups of four or five students. When we study as a group, it is more give spirit to the other students because they can share knowledge together, they can solve problem together and they can motivate the other friends in the group.

In a cooperative learning system, students learn to work with other members. In this model students have two responsibilities. They learn for themselves and help their fellow group members to learn. There are several different types of models in cooperative learning, although the basic principles of cooperative learning are not changed, the types of models are as follows: Student Teams Achievement Division (STAD), Group Investigation, Think-Pair-Share (TPS ), Expert Team (Jigsaw). [1]

The researcher choose these 3 techniques because the researcher interest in and want to compare these 3 techniques. The researcher want to know what techniques of Cooperative Learning that more effective to increase the students’ ability to write Narrative Text. Here the researcher has aimed to compare Cooperative Learning technique those are the effect of Jigsaw, Student Teams Achievement Divisions (STAD), Think-Pair-Share (TPS) in writing narrative text.

Writing is one of the language skill that should be owned when learning a language. Furthermore, writing is a deliberate act which it has to make up one mind to do it. It present some information that will be informed to the reader. Writing means a process of communication that conveys ideas and opinion in written form done by the student.[2]

Writing is one of the crucial ways to deliver information through a language mastered by both the writer and the reader. Having realized the importance of English as one of the international languages in the globalization era, people consider mastering English writing skill a pivotal expertise in the world of communication [3]

Writing is seen as the most difficult skill to be learned among the four skills in English: listening, speaking, reading, and writing. The difficulties in writing have been one of the reasons why students see writing as a difficult skill to be learnt. Teachers need to find a suitable method in teaching writing in order to make the students improve their writing skill [4].

[5] mentions the scoring or writing aspect criteria that  
should be measured in writing skill, they are organization (introduction, body and  
conclusion), content (logical development ideas), grammar, punctuation (spelling  
and mechanics), and style and quality of expression. Those aspects should be  
measured to know the students’ progression in writing. Brown and Bailey in [5] offer five major categories and five different levels in each category ranging from “unacceptable” to excellent”. In summary, the categories and levels are as follows :

Table 1. Analytic Scoring

(Language Assessment: Principles and Classroom Practices)

| **Categories** | **Maximal score** |
| --- | --- |
| Content | 30 |
| Organization | 20 |
| Vocabulary | 20 |
| Syntax | 25 |
| Mechanics | 5 |
| **Total** | **100** |

**Text**

Text is a unit of meaning which is coherence and appropriate for its context. It can be spoken or written but mostly people think that text is only in a form of a written work. When we read, we are interpreting texts. Moreover, when we talk and listen, we are also creating and interpreting texts.

**Narrative Text**

Marsilah in [6] states that narrative text are imaginary stories with the aim to entertain, although sometimes there are stories which built based on real experiences stories or events. The genre of narrative is one of the most commonly read, although least understood of the other genres. Narrative is not only consider as entertaining a reader, but also it has a powerful medium for changing social opinions and attitudes. Narrative is also a genre that can easily accommodate one or more of the other genres and still remain dominant,[7].

The general concept of narrative text is a text which contents about a story like a story of folktale, paragraphs fable, legend. Another definition of narrative text is a kind of text which is aimed to entertain reader or listener with the fictive or non-fictive experience. Beside the purpose, it is also deals with problematic event or unusual events,[8].

[8]say that the social function of narrative texts is to amuse, entertain and to deal with actual or vicarious experience in different ways. Beside the social function, There are some Generic Structure And Lexicogrammatical Feature of Narrative Text. In addition, [8] mention the generic structure of the narrative text are:

1. Orientation, sets the scene and introduces the participants.
2. Evaluation, stepping back to evaluate the plight.
3. Complication, a crisis arises. The problems arise or occur.
4. Resolution, the crisis is resolved, for better or for worse.
5. Re-orientation (Optional)Closure of the story.

Lexicogrammatical Features of Narrative Text are :

1. Focus on specific and usually individualized participants.
2. Use material processes, behavioral processes, and verbal processes
3. Use temporal conjunctions, and temporal circumstances
4. Use past tense

**Cooperative Learning**

Cooperative Learning is an approach that makes maximum use of cooperative activities involving pairs and small groups of learners in the classroom [9]. It means that in cooperative learning the students work in a group. As Olsen and Kagan stated that” Cooperative Learning is a group learning activity organized so that learning is independent on social structure exchange of information between learners in a group and in which each learner is held accountable for his or her own learning and is motivated to increase the learning of other”. Cooperative learning is more than group work. It is group work designed to nurture strong social interdependence amongst students [10].

Additional by [11], he gives the explanation of cooperative learning technique. The following explanations are:

1. *Student Teams Achievement Division (STAD),* STAD was developed by Robert Slavin in John Hopkins University.
2. *Jigsaw*, Jigsaw was developed by Elliot Aronson and his colleagues in 1997. Jigsaw are designed for students into five or six member heterogeneous study teams.
3. *Group Investigation (GI),* Group Investigation was originally developed by Herbert Thelen. Contrast with STAD and jigsaw, Group investigation approach involves students in planning both the topic for study and the way to proceed with their investigation.
4. *The Structural Approach,* This approach has been developed by Spencer Kagan. Structural approach emphasizes the use of particular structures that is designed to influence students’ interaction patterns.
5. *Think-Pair-Share (TPS),* Think-Pair-Share strategy has grown out of the cooperative learning. It was developed by Frank Lyman (1985) and his colleagues at University of Maryland, it is an effective way to change the discourse pattern in the classroom.
6. *Numbered Heads Together (NHT),* Numbered Heads Together (NHT) is an approach developed by Spencer Kagan to involve more students in the review of materials covered in a lesson and to check their understanding of a lesson‘s content. Instead of directing questions to the whole class.

**Jigsaw Technique**

According to [12]Jigsaw is the model of teaching learning where the students are set up in teams; each team member is responsible for mastering part of the learning material and teaching that part to the other team members. Jigsaw makes the students learn their friends by exchanging the information. As expressed by Lie [13], that “cooperative learning model Jigsaw is a cooperative learning model By means of students studying in small groups of four to six people heterogeneously and students working together positive and responsible interdependence independently”.

**Student Teams Achievement Divisions (STAD) Technique**

Student Teams Achievement Divisions (STAD) is “a cooperative learning method developed by Slavin and his colleagues which has been influential in bringing positive effects in multiple grades and subjects” [14]. STAD type cooperative learning method is one type of cooperative learning model by using small groups with the number of members of each group of 4 to 5 students. It is started with the delivery of learning objectives, delivery of materials, group activities, quizzes and group awards [15]. STAD model cooperative learning steps of delivery of goals and motivation, group division, percentage of teachers, team learning activities (Teamwork), evaluation, team achievement awards.

**Think-Pair-Share (TPS)** **Technique**

Think-Pair-Share is introduced by Dr. Frank Lyman, University of Maryland Instructor and educational consultant. Think-Pair-Share technique has been a foundational tool in cooperative learning it can be applied such as in many classroom, workshop, and training rooms. When the facilitator asks the audience a question, the some few people answer enthusiastically, while the rest just sit passively. Think-Pair-Share (TPS) is a technique designed to provide students with ‘food for thought’ on a given topics enabling them to formulate individual ideas and share these ideas with another student. Teachers announce a discussion topic or problem to solve. Give students at least 10 seconds of think time to THINK of their own answer [16].

1. **RESEARCH METHODOLOGY**

**Research Design**

This research design is quantitative approach with an experimental design. This research use Cluster Sampling Design.

Table 2. Table Research Design

| Group | Pre Test | Treatment | Post Test |
| --- | --- | --- | --- |
| Group 1 | Y1 | T1,T2, T3… of Jigsaw Technique | Y2 |
| Group 2 | Y1 | T1,T2, T3… of STAD Technique | Y2 |
| Group 3 | Y1 | T1,T2, T3… of TPS Technique | Y2 |

Where:  
Y1 : The students’ writing ability before getting treatment (Pre Test)

Y2 : The Students’ writing ability after getting treatment (Post Test).

**Population and Sample of the Research**

The population of this research is Second Semester Students of STIKOM Tunas Bangsa Pematangsiantar in academic year of 2019 – 2020. There are eight parallel classes. The population of Second Semester Students of STIKOM Tunas Bangsa Pematangsiantar are 342 students. The researcher take 20 % for the sample, because the population more than 100%. The sample of this research is focused in three class that consist of 65 students as the sampling.

**The Instrument**

The instrument is an equipment of facility used by a researcher in collecting data to make complete and systematic research so that the data can be easily analyzed [17]. The instrument used by the writer in this research is a test. Writing a narrative text was used as the instrument of the study Generic structure and Lexicogrammatical Features.

Table 3. Assessment Aspect Of Writing Narrative Essay

| No | Aspects Assessed | Score |
| --- | --- | --- |
| 1 | Social Function (Content) | 30 |
| 2 | Generic Structure (Organization) a. Orientation b. Complication c. Resolution | 20 |
| 3 | Vocabulary | 20 |
| 4 | Grammatical Features a. Action Verbs b. Relational Verbs c. Simple Past Tense | 25 |
| 5 | Mechanic  (Spelling & Punctuation) | 5 |
| **Total** | | 100 |

**Technique of Data Collection**

Technique of data collection in this research used quantitative data. The quantitative data used test as the instrument which was used to collect the data of the research (score). The test was distributed through pre test and post test. The researcher applied the technique collecting data was writing test. To administer the writing test, the researcher uses an analytic score in order to be more reliable in scoring students’ writing. The score consist of : Social Function (Content)+ Social Function (Organization)+ Vocabulary+ Grammatical Features + Spelling & Punctuation = Total score.

Table 4. Total Score

| **Categorization** | **Score** |
| --- | --- |
| Very Weak | Score 10 - 30 |
| Weak | Score 31 - 55 |
| Enough | Score 56 – 75 |
| Good | Score 76 - 85 |
| Excellent | Score 86 – 100 |

**Technique of Data Analysis**

In analysis the data, the research was tested :

1. Description analysis for describing the Research data including Mean, Median, Mode, Variance and Standard Deviation. The data is presented in the table of frequency distribution and Histogram by using SPSS program.
2. Inferential analysis for measuring the Hypothesis which is done by One Way Analysis of Variance (ANOVA).
3. **DATA ANALYSIS FINDINGS AND DISCUSSION**

**Result**

1. **The Students’ Narrative Writing Achievement Before and After taught by using Jigsaw Teaching Technique (Group 1)**

The results of students’ narrative writing achievement that taught by using Jigsaw Technique indicates that in the Pre Test the highest score is 55 and the lowest score is 40 and in the Post Test the highest score is 94 and the lowest score is 68. In the Pre Test, the mean of students’ narrative writing achievement is 46,86 but in The Post Test, mean of students’ narrative writing achievement is 82,23. The result of the Pre Test and Post Test of the students’ that taught by using Jigsaw Technique can be observed in table 5 below.

Table 5. Data Description of Jigsaw Teaching Technique

| **Statistics** | | | |
| --- | --- | --- | --- |
|  | | Pre Test  Jigsaw | Post Test  Jigsaw |
| N | Valid | 22 | 22 |
| Missing | 0 | 0 |
| Mean | | 46.86 | 82.23 |
| Std. Error of Mean | | .848 | 1.299 |
| Median | | 47.00 | 82.50 |
| Mode | | 45 | 82 |
| Std. Deviation | | 3.980 | 6.094 |
| Variance | | 15.838 | 37.136 |
| Range | | 15 | 26 |
| Minimum | | 40 | 68 |
| Maximum | | 55 | 94 |
| Sum | | 1031 | 1809 |

We can see the effect of Jigsaw Teaching Technique from the T – Test on table 6. The Sig. (2-tailed) value is 0.00 < 0.05. It’s mean, there is the difference score before and after we applied Jigsaw Teaching Technique. We can conclude that, there is the effect of Jigsaw Teaching Technique on students’ Narrative Writing Achievement

Table 6. T – Test of Jigsaw Teaching Technique

| **Paired Samples Test** | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | Paired Differences | | | | | t | df | Sig. (2-tailed) |
| Mean | Std. Deviation | Std. Error Mean | 95% Confidence Interval of the Difference | |
| Lower | Upper |
| Pair 1 | Post Test Score - Pre Test Score | 35.364 | 5.048 | 1.076 | 33.126 | 37.602 | 32.860 | 21 | .000 |

The increasing percentage of Jigsaw Teaching Technique can see below.

= 82.23 - 46.86 x 100%

46.86

= 35,37 x 100%

46.86

= 0,7548 x 100 %

= 75,48% = 75%

1. **The Students’ Narrative Writing Achievement Before and After taught by using Student Teams Achievement Divisions (STAD) Teaching Technique (Group 2)**

The results of students’ narrative writing achievement that taught by using STAD Technique indicates that in the Pre Test the highest score is 69 and the lowest score is 35 and in the Post Test the highest score is 92 and the lowest score is 59. In the Pre Test, the mean of students’ narrative writing achievement is 45,95 but in The Post Test , mean of students’ narrative writing achievement is 77,18. The result of the Pre Test and Post Test of the students’ that taught by using STAD Technique can be observed in table 7 below.

Table 7. Data Description STAD Teaching Technique

| **Statistics** | | | |
| --- | --- | --- | --- |
|  | | Pre Test STAD | Post Test STAD |
| N | Valid | 22 | 22 |
| Missing | 0 | 0 |
| Mean | | 45.95 | 77.18 |
| Std. Error of Mean | | 1.731 | 1.692 |
| Median | | 44.00 | 77.00 |
| Mode | | 40 | 77 |
| Std. Deviation | | 8.121 | 7.938 |
| Variance | | 65.950 | 63.013 |
| Range | | 34 | 33 |
| Minimum | | 35 | 59 |
| Maximum | | 69 | 92 |
| Sum | | 1011 | 1698 |

We can see the effect of STAD Teaching Technique from the T – Test on table 8. The Sig. (2-tailed) value is 0.00 < 0.05. It’s mean, there is the difference score before and after we applied STAD Teaching Technique. We can conclude that, there is the effect of STAD Teaching Technique on students’ Narrative Writing Achievement.

Table 8. T – Test of STAD Teaching Technique

| **Paired Samples Test** | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | Paired Differences | | | | | t | df | Sig. (2-tailed) |
| Mean | Std. Deviation | Std. Error Mean | 95% Confidence Interval of the Difference | |
| Lower | Upper |
| Pair 1 | Post Test Score - Pre Test Score | 31.227 | 8.269 | 1.763 | 27.561 | 34.893 | 17.713 | 21 | .000 |

The increasing percentage of STAD Teaching Technique can see below.

= 77.18 - 45.95 x 100%

45.95

= 31.23 x 100%

45.95

= 0.6796 x 100 %

= 67.96% =68%

1. **The Students’ Narrative Writing Achievement Before and After taught by using TPS Teaching Technique (Group 3)**

The results of students’ narrative writing achievement that taught by using TPS Technique indicates that in the Pre Test the highest score is 68 and the lowest score is 36 and in the Post Test the highest score is 91 and the lowest score is 59. In the Pre Test, the mean of students’ narrative writing achievement is 49,19 but in The Post Test , mean of students’ narrative writing achievement is 77,05. The result of the Pre Test and Post Test of the students’ that taught by using TPSTechnique can be observed in table 9 below.

Table 9. Data Description TPS Teaching Technique

| **Statistics** | | | |
| --- | --- | --- | --- |
|  | | Pre\_Test\_TPS | Post\_Test\_TPS |
| N | Valid | 21 | 21 |
| Missing | 0 | 0 |
| Mean | | 49.19 | 77.05 |
| Std. Error of Mean | | 1.858 | 1.868 |
| Median | | 47.00 | 76.00 |
| Mode | | 45 | 73a |
| Std. Deviation | | 8.512 | 8.558 |
| Variance | | 72.462 | 73.248 |
| Range | | 32 | 32 |
| Minimum | | 36 | 59 |
| Maximum | | 68 | 91 |
| Sum | | 1033 | 1618 |
| a. Multiple modes exist. The smallest score is shown | | | |

We can see the effect of TPS Teaching Technique from the T – Test on table 10 The Sig. (2-tailed) value is 0.00 < 0.05. It’s mean, there is the difference score before and after we applied TPS Teaching Technique. We can conclude that there is the effect of TPS Teaching Technique on students’ Narrative Writing Achievement.

Table 10. T – Test of TPS Teaching Technique

| **Paired Samples Test** | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | Paired Differences | | | | | t | df | Sig. (2-tailed) |
| Mean | Std. Deviation | Std. Error Mean | 95% Confidence Interval of the Difference | |
| Lower | Upper |
| Pair 1 | Post Test Score - Pre Test Score | 27.857 | 9.457 | 2.064 | 23.553 | 32.162 | 13.499 | 20 | .000 |

The increasing percentage of Think Pair Share (TPS) Teaching Technique can see below.

= 77.05- 49.19 x 100%

49.19

= 27.86 x 100%

49.19

= 0. 5663 x 100 %

= 56,63% =57%

**The Requirement Analysis of Variance (ANOVA)**

Before the Research data were analyzed by using One Way Analysis of Variance (ANOVA), the normality and Homogeneity of data were tested.

1. **Testing of Normality**

The Normality Test aims at showing that the sample data of the study is normality distributed. The normality test applied in this study was Kolmogorov - Smirnov using SPSS 19.00 program on α = 0,05 significant level normality test data of this study included data result test of the achievement Normality test Data of Jigsaw Technique, STAD Technique and TPS Technique.

The result of Normality Test of the students’ show that Sig. value of Jigsaw Teaching Technique 0.113 which is > 0.05, Sig. value of STAD Teaching Technique 0.107 which is > 0.05, and Sig. value of TPS Teaching Technique 0.200 which is > 0.05. It can be seen in table 11 as below.

Table 11. Testing of Normality

|  | Kelompok | Kolmogorov-Smirnova | | |
| --- | --- | --- | --- | --- |
| Statistic | df | Sig. |
| Nilai | JIGSAW | .167 | 22 | .113 |
| STAD | .168 | 22 | .107 |
| TPS | .109 | 21 | .200\* |
| a. Lilliefors Significance Correction  \*. This is a lower bound of the true significance. | | | | |

Based on the result of calculation described in table 12 above and the criteria of Normality Test, it is concluded that all data in this study had normal distribution.

1. **Testing of Homogeneity**

The Homogeneity Test aims at investigating whether variance of the data is homogeneous. The Homogeneity Test of variance was calculated by using Levene test by using SPSS 19.00 program for learning model and students’ personality and interaction groups. The result of Homogeneity Test of the students’ show that Sig. value 0.343 which is > 0.05. It can be seen in table 12.

Table 12. Testing of Homogeneity

| **Test of Homogeneity of Variances** | | | |
| --- | --- | --- | --- |
| Nilai | | | |
| Levene Statistic | df1 | df2 | Sig. |
| 1.088 | 2 | 62 | .343 |

Based on the computation of the Homogeneity Test, it is found that Sig. value 0. 343 which is > 0.05. Thus variance is Homogeneous.

1. **Testing Hypothesis**

The Research Hypothesis was tested by using One Way Analysis of Variance (ANOVA) by using SPSS Program. The all data can be seen in the table 13.

Table 13.The summary of calculation result of One - Way Annova of The test between the subject effects

| **ANOVA** | | | | | |
| --- | --- | --- | --- | --- | --- |
| Nilai | | | | | |
|  | Sum of Squares | df | Mean Square | F | Sig. |
| Between Groups | 380.373 | 2 | 190.186 | 3.305 | .043 |
| Within Groups | 3568.089 | 62 | 57.550 |  |  |
| Total | 3948.462 | 64 |  |  |  |

The result of data Analysis indicate that Significant value is 0.043 which is <0.05, and Fvalue is 3.305 > FTable 3.16. Thus Null Hypothesis (Ho) is rejected at the Level of Significant 0.05. There for, it can conclude that there is significant effect between the mean achievement scores of Jigsaw Technique, STAD or TPS Technique. Therefore, it concluded that the Research Hypothesis which states that Jigsaw Technique, STAD technique or TPS technique affect students ability in writing narrative Text is true in this thesis.

1. **The Differences Among Jigsaw Technique, Student Teams Achievement Divisions or Think-Pair-Share (TPS) Teaching Technique**

The differences among Jigsaw Technique, Student Teams Achievement Divisions (STAD) technique or Think-Pair-Share (TPS) technique can be seen in table 14.

Table 14. The differences among Jigsaw, STAD and TPS technique

| **Multiple Comparisons** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Dependent Variable:Nilai | | | | | | | |
|  | (I) Kelompok | (J) Kelompok | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval | |
|  | Lower Bound | Upper Bound |
| LSD | JIGSAW | STAD | 5.045\* | 2.287 | .031 | .47 | 9.62 |
| TPS | 5.180\* | 2.314 | .029 | .55 | 9.81 |
| STAD | JIGSAW | -5.045\* | 2.287 | .031 | -9.62 | -.47 |
| TPS | .134 | 2.314 | .954 | -4.49 | 4.76 |
| TPS | JIGSAW | -5.180\* | 2.314 | .029 | -9.81 | -.55 |
| STAD | -.134 | 2.314 | .954 | -4.76 | 4.49 |
| \*. The mean difference is significant at the 0.05 level. | | | | | | | |

We can be seen the Mean difference that Jigsaw Technique more affect the students’ ability in Writing Narrative Text than STAD or TPS technique. If we compare Jigsaw and STAD, we can see the mean difference to 5.045. Then, if we compare Jigsaw and TPS, we can see the mean difference to 5.180. There for, it can conclude that Jigsaw most significant than the STAD or TPS technique. But if we see compare STAD and TPS, we can see the mean difference to 0,134. It can conclude that STAD more significant than TPS. And the Jigsaw is one of the three techniques is most significant than two others.

**Discussion**

Every Teaching techniques can affect the Students’ Ability in writing narrative Text.

1. **The Effect of Jigsaw Teaching Technique on Students’ Narrative Writing Achievement (Group 1)**

The results of students’ narrative writing achievement that taught by using Jigsaw Technique indicates that in the Pre Test the highest score is 55 and the lowest score is 40 and in the Post Test the highest score is 94 and the lowest score is 68. In the Pre Test, the median of students’ narrative writing achievement is 46,86 but in The Post Test , mean of students’ narrative writing achievement is 82,23. On T– Test of Jigsaw Teaching Technique show that The Sig. (2-tailed) value is 0.00 < 0.05. It’s mean, there is the difference score before and after we applied Jigsaw Teaching Technique. We can conclude that, there is the effect of Jigsaw Teaching Technique on students’ Narrative Writing Achievement.

1. **The Effect of STAD Teaching Technique on Students’ Narrative Writing Achievement (Group 2)**

The results of students’ narrative writing achievement that taught by using STAD Technique indicates that in the Pre Test the highest score is 69 and the lowest score is 35 and in the Post Test the highest score is 92 and the lowest score is 59. In the Pre Test, the median of students’ narrative writing achievement is 45,95 but in The Post Test , mean of students’ narrative writing achievement is 77,18. On T– Test of STAD Teaching Technique show that The Sig. (2-tailed) value is 0.00 < 0.05. It’s mean, there is the difference score before and after we applied STAD Teaching Technique. We can conclude that, there is the effect of STAD Teaching Technique on students’ Narrative Writing Achievement.

1. **The Effect of TPS Teaching Technique on Students’ Narrative Writing Achievement (Group 3)**

The results of students’ narrative writing achievement that taught by using TPSTechnique indicates that in the Pre Test the highest score is 68 and the lowest score is 36 and in the Post Test the highest score is 91 and the lowest score is 59. In the Pre Test, the median of students’ narrative writing achievement is 49,19 but in The Post Test , mean of students’ narrative writing achievement is 77,05. On T– Test of TPS Teaching Technique show that The Sig. (2-tailed) value is 0.00 < 0.05. It’s mean, there is the difference score before and after we applied TPS Teaching Technique. We can conclude that there is the effect of TPS Teaching Technique on students’ Narrative Writing Achievement.

1. **The interaction Between Jigsaw, Student Teams Achievement Divisions (STAD) and Think Pair Share (TPS) Teaching Technique on Students’ Narrative Writing Achievement**

The result of this research show that there are interaction between Jigsaw, STAD and TPS Teaching Technique on Students’ Narrative Writing Achievement. There are some Teaching Technique in Cooperative Learning Method, but in this research the researcher used 3 Teaching Technique. Based on explanation above the research assumes that Jigsaw Teaching Technique more significant to affect the students’ ability in Writing Narrative Text than STAD Teaching Technique or TPS Teaching Technique

**CONCLUSION AND SUGGESTION**

**Conclusion**

Based on the data analysis and testing hypothesis, the researcher can conclude that :

1. There are the effects of Jigsaw, STAD and TPS Teaching Technique Teaching Technique in writing narrative text on students’ achievement. Jigsaw Sig. (2-tailed) value is 0.00 < 0.05, it means Jigsaw can affect the students ability in writing. STAD Sig. (2-tailed) value is 0.00 < 0.05, it means STAD can affect the students ability in writing. TPS Sig. (2-tailed) value is 0.00 < 0.05.
2. The increasing percentage of Jigsaw Teaching Technique to 75%, STAD to 68% TPS to 57%.
3. Jigsaw Teaching Technique most significant to affect the students’ ability in Writing Narrative Text than STAD Teaching Technique or TPS Teaching Technique. In Jigsaw Teaching Technique, The mean difference is significant at the 0.05 level.

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