

# IMPROVING STUDENTS' WRITING SKILLS USING BRAINSTORMING at SMP MUHAMMADIYAH 2 TAMAN

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# Introduction

- Writing skill

Writing skills are one of the English skills that are still hard for students to master. Rass explains: "Writing is a difficult skill for both native and non-native speakers as writers must be able to write crossways different areas of suggestion, content, reasoning, vocabulary, and technique", Spelling, accentuation, and capitalization"

# Introduction

## Brainstorming technique

“Brainstorming is an easy technique for generating a large number of concepts about a certain topic. The purpose is to create as many ideas as possible without concern for how they will be implemented.”

Blanchard and Root (2003)

# Introduction

## Why do researchers use brainstorming techniques for writing skills?

The purpose is to create as many ideas as possible without concern for how they will be implemented. It is very useful for guiding authors in organizing their thoughts, whether they have too many or too few. Brainstorming is an easy approach to teach writing to learners who are still struggling with it.

# Researchers' Pre-Observation

Based on the results of observations on October 21, 2022, in SMP Muhammadiyah 2 Taman the students still lack writing skills. therefore, the researchers want to do research based on the problem. Since the teacher still has not use the brainstorming method so the researchers want to apply the method for teaching writing in the classroom. Theoretically, using brainstorming can effectively improve the students' writing ability. Besides, it is believed that brainstorming technique helps the students to generate ideas and organize them into paragraphs. They could manage the time for writing more effectively and perform the writing task more maximally. Therefore, the researchers want to improve students' writing skills because, at SMP Muhammadiyah 2 Taman, some of the classes still use basic English learning methods, so the students still have lack of writing skills

# Research Gap

Previous Research	This research
“The Effect of Brainstorming Technique as A Pre-Writing Activity on The Students’ Achievement in Writing Descriptive Text At Sman 1 Pringsewu” (Tossi, 2014)	Improving Students’ Writing Skills Using Brainstorming
Roundtable Brainstorming: A Technique to Improve the Writing Ability of Students in Writing Descriptive Texts. (Eti Dwi 2019)	Writing skill to ninth grade junior high school

# Novelty

This research is expected to provide a reference for English teachers in other schools to use brainstorming techniques in training students' writing skills.

# Statement of the aim

- The aim of this study is to find out the improvement of students writing skills using brainstorming technique.



# Research Questions

- Does brainstorming have an effect on the students' writing skills?

# Research method

- This research uses quantitative research. And collecting data using pre-test and post-test.
- The population of this research was students in class IX A SMP Muhammadiyah 2 Taman in the 2023/2024 academic year, which consisted of 25 students.
- This research was conducted from January to February.
- The English teacher at the school recommended using IX A class for this research.

# Research Setting

- This research was conducted at SMP Muhammadiyah 2 Taman and used a pre-test and post-test to collect data.
- Researchers used pre-test and post-test with treatment to students.
- Then the researcher explained the class to do the test before giving the treatment and after giving the treatment to students.

# Research Participant

- Population
  - In this research, the population used was students in class IX A of SMP Muhammadiyah 2 Taman in the 2023/2024 academic year.
- Sample
  - Researchers used one class IX A as many as 25 students for this study. Because this class was recommended by the teacher.

# Instruments of The Research

- The instrument used in this research is using a pre-test and post-test paper.
- The purpose of pre-test and post-test paper is to find out the improvement of students writing skills before given the treatment and after given the treatment using brainstorming technique.

# Data Collection

In this study, researchers collected data using a pre-test and post-test paper instrument. Researchers distributed the paper conducted in class IX A SMP Muhammadiyah 2 Taman. Which aims to determine student improvement in writing skills using brainstorming technique. Thus, the results of this study were obtained from the answers of 25 students via pre-test and post-test that the researchers provided.

# Data Analysis

After the data was collected, the next step was for the researcher to correct and calculate the resulting data from the answers to the pre-test and post-test paper that had been filled in by the students. Researchers use a SPSS 22 to calculate the data.

# Finding and Discussion





# Data Analysis

## 1. The results of the each sample

no	sample	Pre-test	Post-test
1	S1	82	90
2	S2	87	90
3	S3	87	90
4	S4	87	90
5	S5	87	90
6	S6	90	95
7	S7	89	92
8	S8	90	97
9	S9	87	90
10	S10	87	90
11	S11	92	95
12	S12	90	95
13	S13	87	90
14	S14	87	96
15	S15	86	90
16	S16	87	90
17	S17	90	93
18	S18	89	92
19	S19	93	96
20	S20	90	93
21	S21	89	92
22	S22	87	90
23	S23	90	93
24	S24	90	93
25	S25	87	90

## 2. The Results of the T-Test

		Paired Samples Test								
		Paired Differences			95% Confidence Interval of the Difference	t	df	Sig. (2-tailed)		
		Mean	Std. Deviation	Std. Error Mean					Lower	Upper
Pair 1	pre test - post test								-380.000	170.783

The picture above is the result of each sample of the student's pre-test and post test. The first picture is the result of the score of each sample of pre-test and post-test and the second picture is the result of the score of the T-test.

# The results of the improvement of the students' writing skills using brainstorming

After knowing the results of all sample scores, the researcher calculated the overall sample scores using the SPSS 22, which aims to determine the mean or significant percentage of the students writing skills improvement using brainstorming 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 pre test - post test	-380.000	170.783	.34157	-450.496	-309.504	-11.125	24	.000	

As a result, the research hypothesis was supported and the null hypothesis did not qualify for the hypothesis. This indicates that there were statistically significant differences in the writing success of the students after brainstorming. The researcher discovered that every component of the students' work was improved by the brainstorming approach.

# Conclusion

The conclusion is brainstorming technique give a positive effect on students with the aspect of content, grammar, and vocabulary. Brainstorming helps students focus on their minds so they can write fast on paper. It was taken from the hypothesis testing. It indicated that the hypothesis proposed was accepted. The treatment successfully given to the students with the mean rank is 35.10. Brainstorming technique gives a positive effect on students' writing Achievement in the aspects of writing; content, grammar, and vocabulary. Students need the process of writing a text where they are guided step by step that covers each aspect of writing.

