

# Does Mind Mapping Improve Students Reading Comprehension in English Class for Young Learners?

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# Research Background

- Based on the results of the study, it is known that the reading ability of 6th grade students SD Negeri Temu 2 Prambon in English learning is still very low, and also the teacher's learning model still uses the lecture method.
- Mind mapping helps students concentrate, increases creativity, enhances enjoyment in learning, and trains both left and right brains.
- Therefore the researchers of this research want to know the effect of mind mapping in TEYL.

# Research Gap

## Previous reseacrh

(Tatipang, Oroh, & Liando, 2021) Mind mapping has been declared successful in improving students' reading comprehension so that they are more interested in learning English, especially descriptive texts, but similar problems still occur in various schools, both at the elementary and junior high school levels, with similar problems.

## This research

Will focus on teaching reading comprehension using the mind mapping method with power point media and as an example of objects using photos or pictures at the elementary level.

# Research Question

Does mind mapping affect the reading comprehension of young learner in elementary school?

# Research Methodology

## Research design

- The research in this study is quantitative with a pre-experimental design.

## Research settings

- This research was conducted at SD Negeri Temu 2 Prambon.

## Population and sample

- The population to be used in this study consisted of all sixth graders at SD Negeri Temu 2 Prambon.

# Research Methodology

## Data collection

- Pre-test and post-test were used in this study to assess students' learning outcomes.

## Instrumen of research

- In research, an instrument can affect the quality of research results. Therefore, every device that will be used to research a problem must be validated first.

## Data analyse

- Analyzed the data using a statistical program and service solutions (SPSS) version 26 to determine: Average value, Shapiro wilk normality test, Man Whitney u test to find out hypotesis before and after treatment.

# Research Findings

No	Nama siswa	Hasil tes siswa		Kode	
		Pretest	Posttest		
1	AAH	50	70	1	2
2	ARA	30	50	1	2
3	ANA	60	80	1	2
4	AMA	60	80	1	2
5	AM	50	60	1	2
6	ADAZ	30	60	1	2
7	ARS	20	70	1	2
8	BDH	40	60	1	2
9	FFRP	50	60	1	2
10	FDR	40	80	1	2
11	MNP	60	70	1	2
12	MRS	40	80	1	2
13	MAA	30	50	1	2
14	MHA	70	80	1	2
15	MMA	60	70	1	2
16	MSI	60	70	1	2
17	NSA	70	80	1	2
18	NAR	60	70	1	2
19	NLA	60	70	1	2
20	NL	50	60	1	2

The table beside explains the value data that has been obtained before treatment (pre-test) and after treatment (post-test).

# Research Findings

- The results of the average analysis of all students pre-test and post-test score

Rata-rata Pre – test	49,5
Rata-rata Post – test	68,5

- After calculating the mean of all pretest and posttest data. analyzed using the Shapiro Wilk normality test of Statistical Program and Service Solutions (SPSS) version 26.

**Tests of Normality**

	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Pretest	,218	20	,013	,914	20	,076
Posttest	,210	20	,021	,871	20	,012

a. Lilliefors Significance Correction



# Research Findings

- After being processed using the normality test, the data is then processed using the Mann-Whitney u test.

## Test Statistics<sup>a</sup>

	Hasil tes
Mann-Whitney U	56,500
Wilcoxon W	266,500
Z	-3,973
Asymp. Sig. (2-tailed)	,000
Exact Sig. [2*(1-tailed Sig.)]	,000 <sup>b</sup>

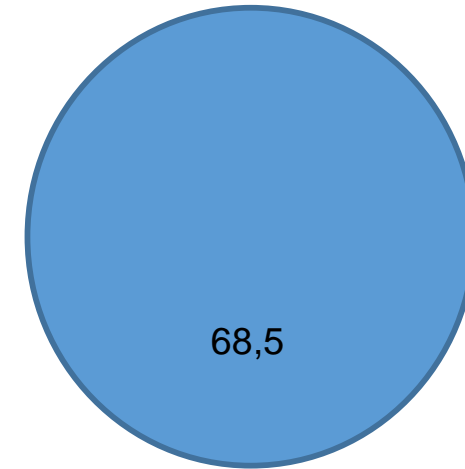
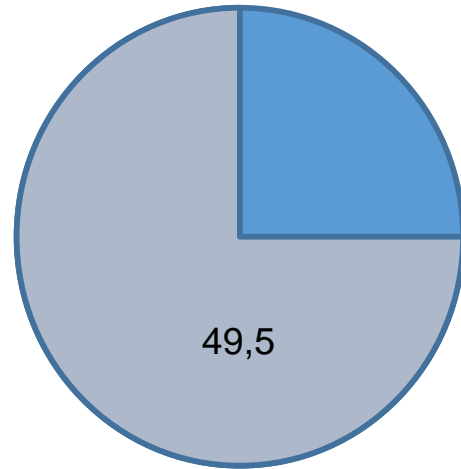
a. Grouping Variable: Kode

b. Not corrected for ties.

# Research Implication

Provide recommendations to teachers and educators, to help improve students' reading comprehension using the mind mapping method.

# Conclusion



based on the analysis of each data in the previous table. The results of this study indicate that the average post-test score (68.5) is higher than the average pre-test score (49.5). It's mean that the mind mapping method can be considered as an affective method

# suggestion

This research is useful, because many Indonesian students face almost the same problems, and it can be used by other researchers as a source of information for conducting research in other school environments.

# Documentation



Interview with 6<sup>th</sup> grades teacher class



Location : SDN Temu 2 Prambon

Location : SDN Temu 2 Prambon

# Documentation

## Before treatment





# Documentation

## Treatment



# Documentation

## After treatment





