

The Connection Between Students' Grammar Mastery Of Simple Past Tense And Their Recount Text Speaking Ability at SMP Muhammadiyah 10 Sidoarjo

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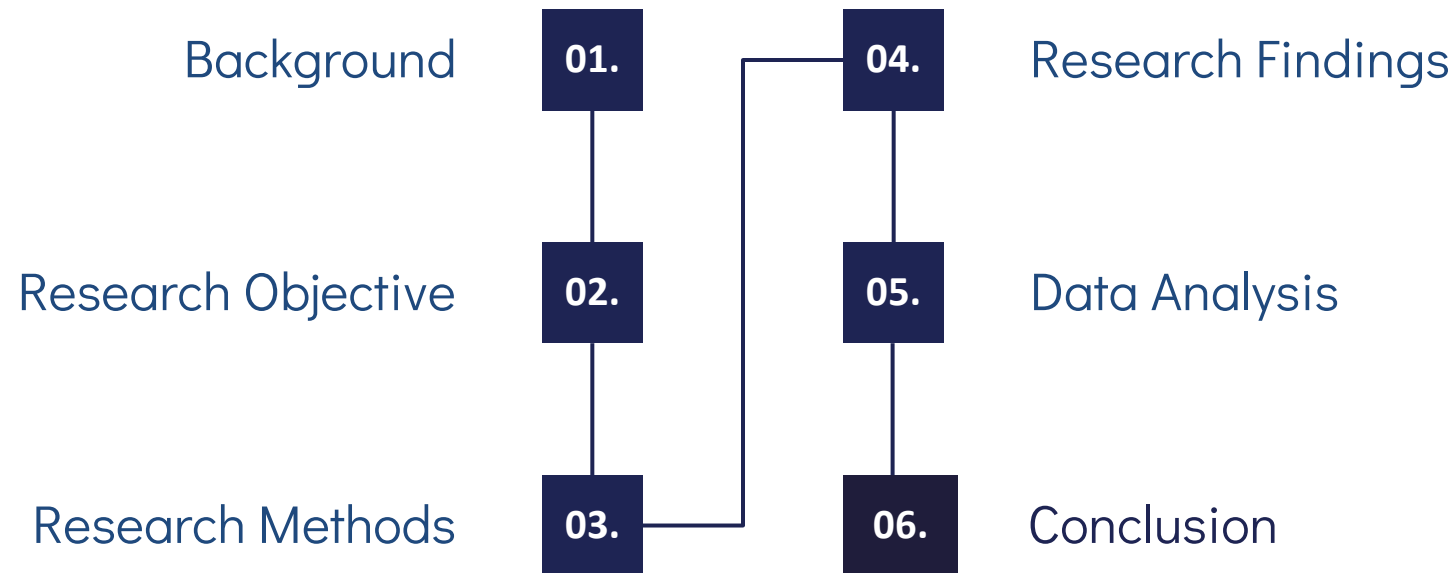
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English Education Study Program

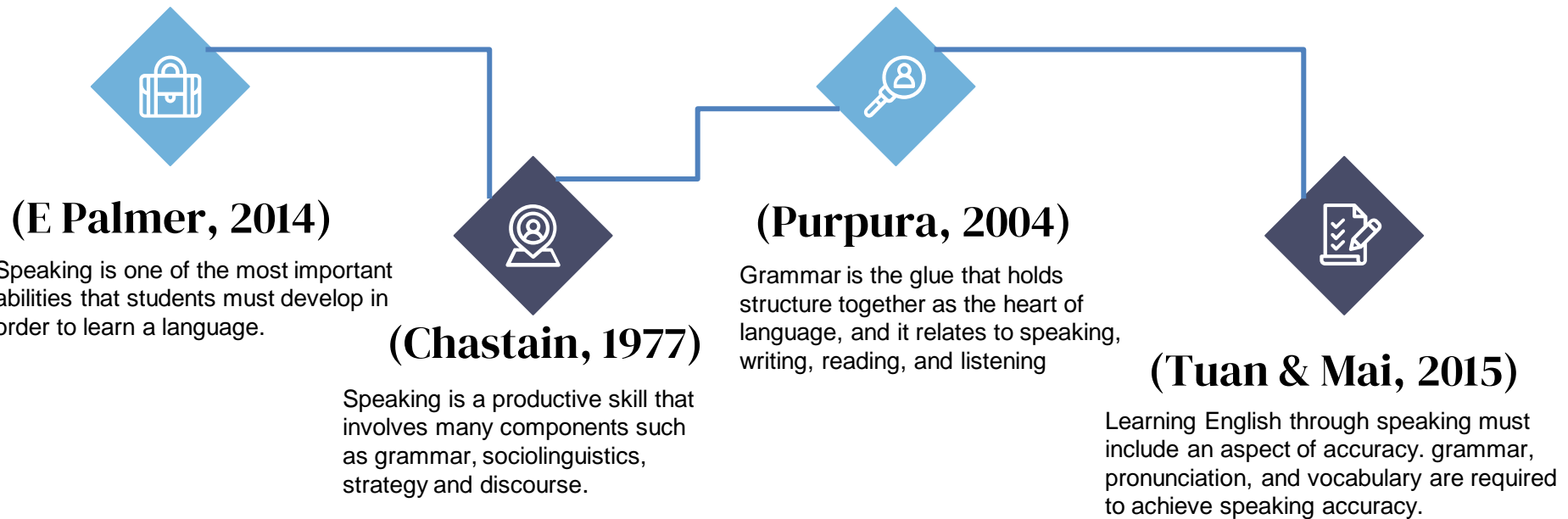
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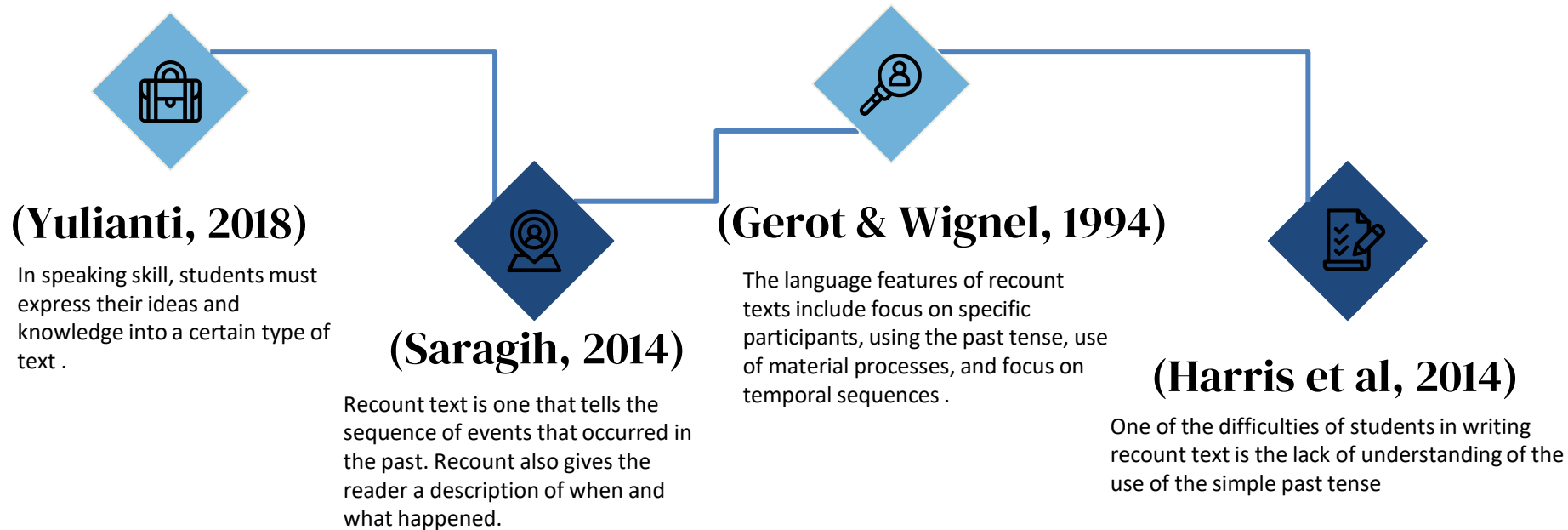
Contents of This Presentation



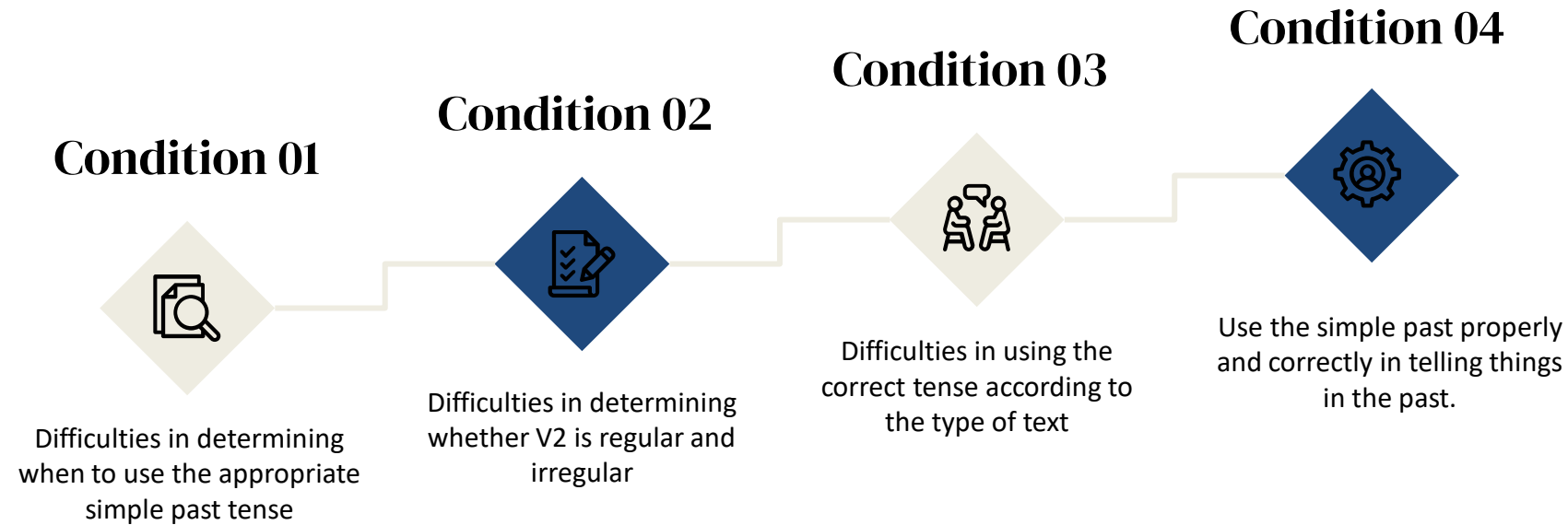
Background/Introduction



Background/Introduction



Conditions



Research Objective



To know How is simple past tense grammar mastery of the students at SMP Muhammadiyah 10 Sidoarjo?

01



To know How is the students' speaking ability in recount text at SMP Muhammadiyah 10 Sidoarjo?

02

**Background &
Preliminary study**



To know wether there is any connection between simple past tense grammar mastery and speaking ability of recount text among VIII grades students at SMP Muhammadiyah 10 Sidoarjo ?

03

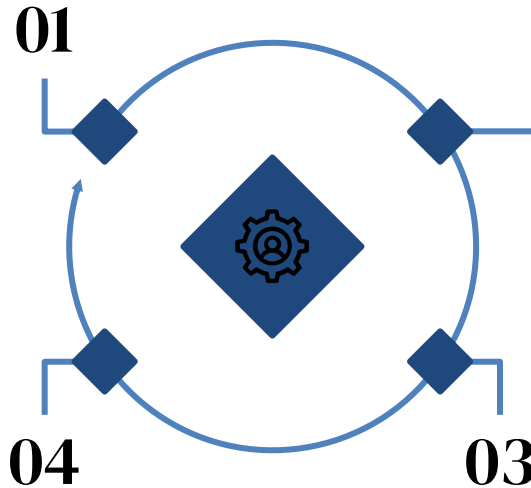
Research Method

Research Design

Quantitative Research-
Correlation research
design

Population

Research Population : 45
Students of VIII class at
SMP Muhammadiyah 10
Sidoarjo



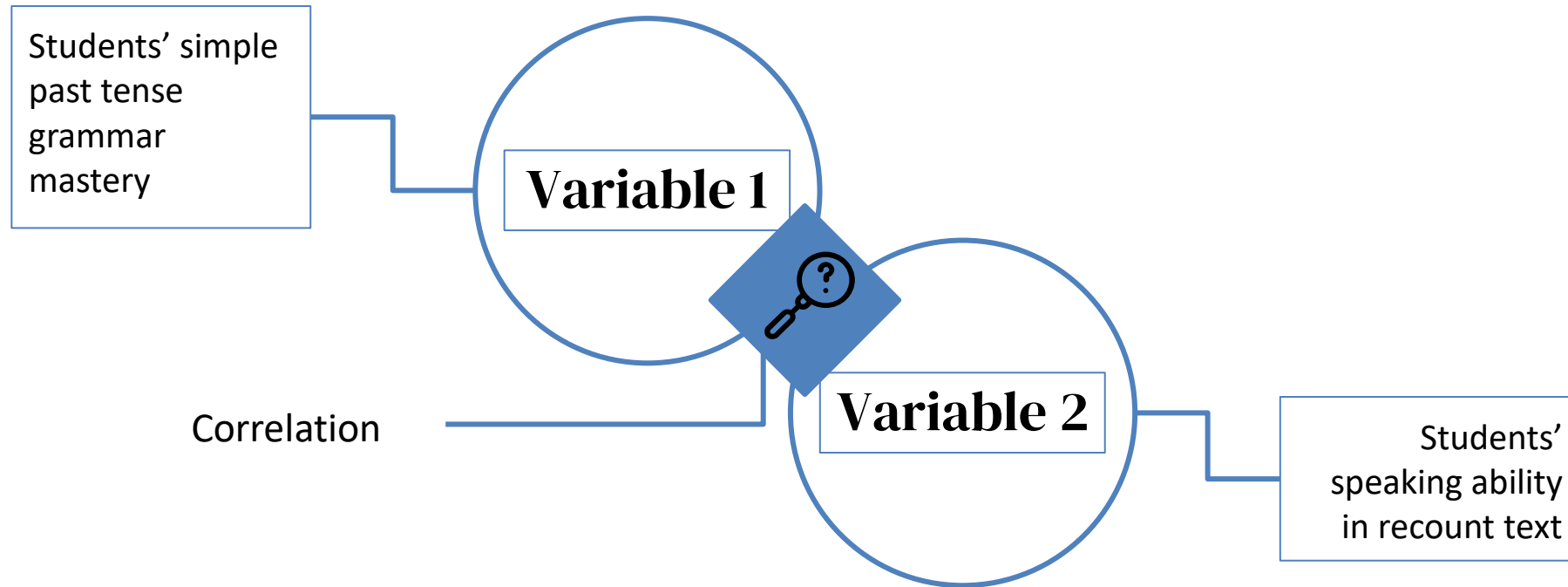
02 Research Settings

SMP Muhammadiyah 10 Sidoarjo

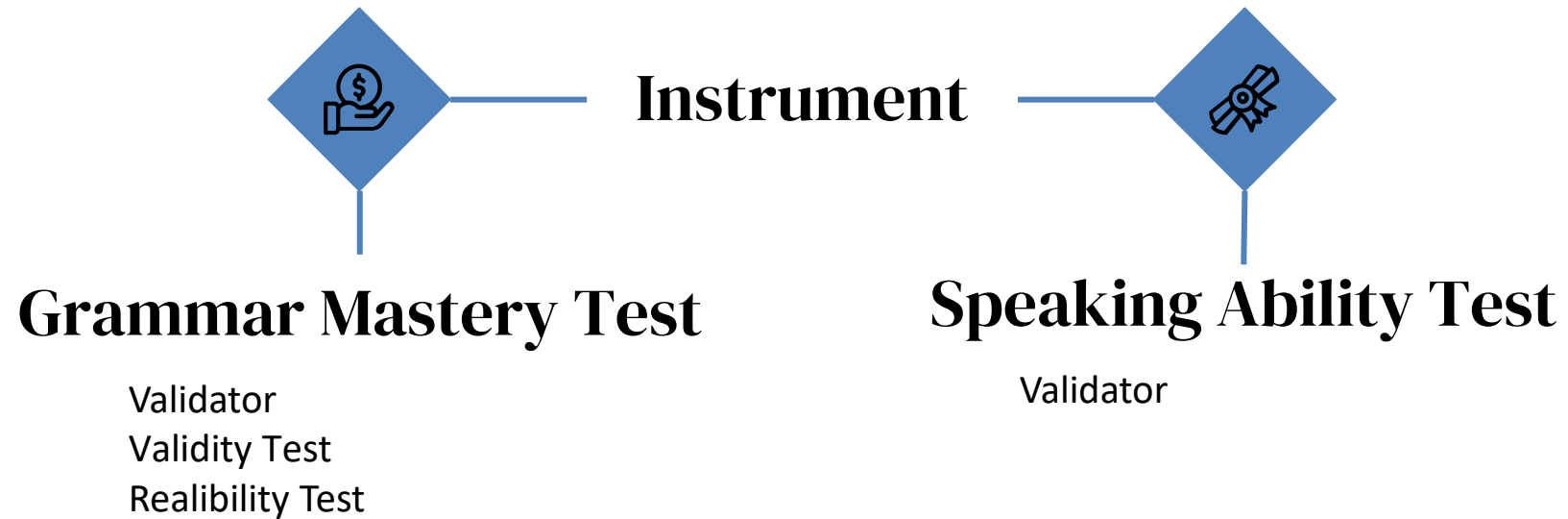
Data Collection

- Simple past tense grammar mastery test
- Recount text speaking ability test

Research Design



Instrument Analysis



Instrument Analysis

Result of Grammar Mastery

Validity Test

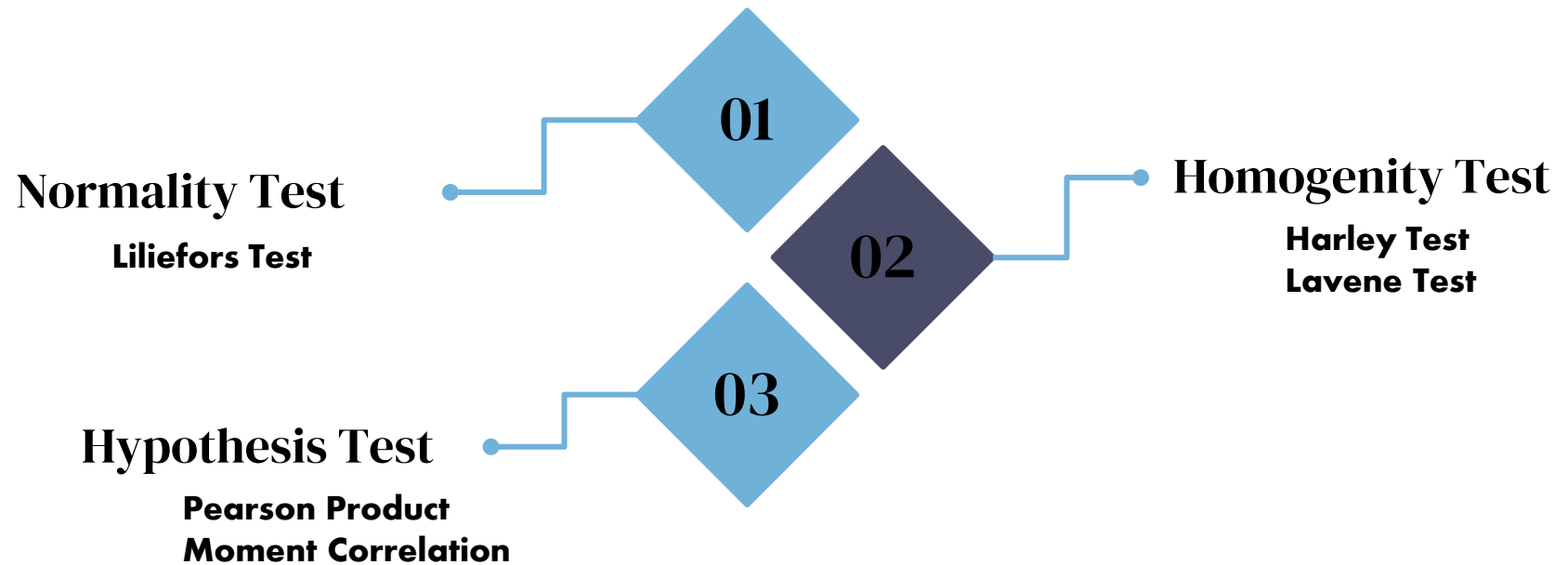
- Number of Items: 40
- Valid Items: 29
- Invalid Items: 11
- Participant: 32
- r_{table} : 0,3494
- Test Decision Criteria: $r_{count} > r_{table}$



Realibility Test

- Number of Sample: 32
- Valid Items: 29
- Standard Deviation: 11
- Cronbach's Alpha*: 0,903
- Interpretation: Very High
- Test Decision Criteria: Reliable $> 0,6$

Correlation Analysis



Research Method

Data Analysis

Pearson r-Product Moment

$$R_{xy} = \frac{N \sum xy - (\sum x)(\sum y)}{\sqrt{\{N \sum x^2 - (\sum x)^2\} \{N \sum y^2 - (\sum y)^2\}}}$$

$$Df = N - 2$$

To determine whether there is a relationship between grammar mastery of the simple past tense and their speaking ability in recount text.



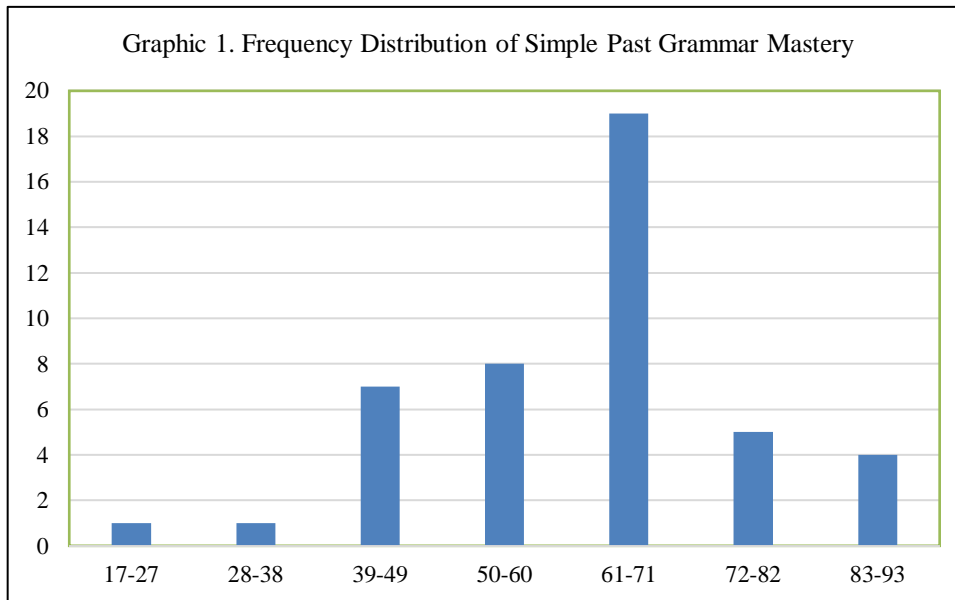
Product Moment Correlation is used to detect relationships and demonstrate the relationship hypothesis (Sugiyono, 2007)

Pearson product moment coefficient of correlation is a pure number that ranges between + 1.00 and -1.00, expressing the degree of relationship between two variables (Kurtz and Mayo, 1979)

Correlation analysis is only employed to prove the existence of a connection between two variables (Cahyaning, 2017)

Research Findings

Students' Simple Past Tense Grammar Mastery

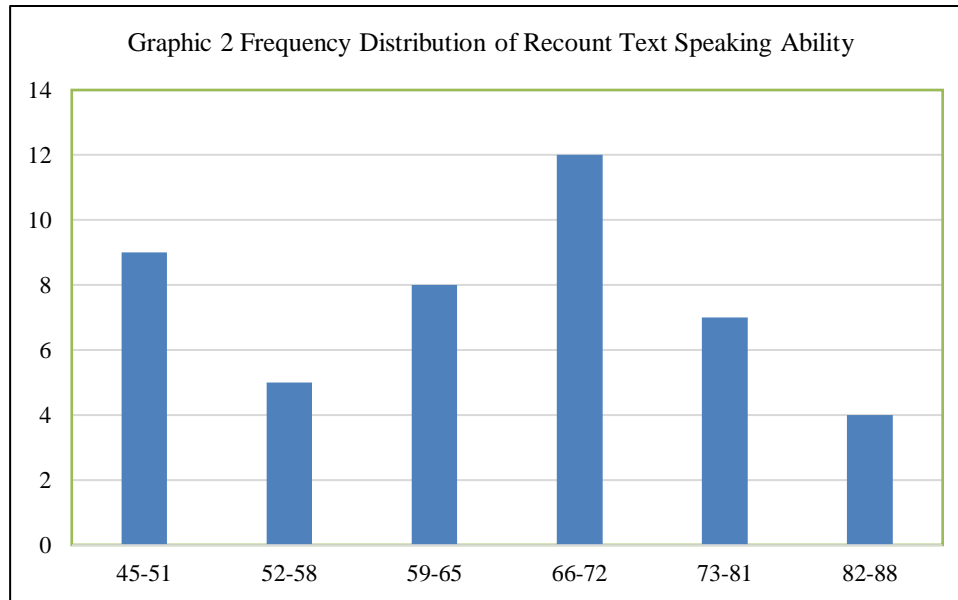


Frequency	Percentage	Category
6	13,33%	Low
33	73,33%	Moderate
6	13,33%	High

Population	45
Max Value	93
Min Value	17
Median	62
Std. Deviation	14,572
Variance	212,345
Range	76
Mean	62,023

Research Findings

Students' Recount Text Speaking Ability



Frequency	Percentage	Category
9	20%	Low
27	60%	Moderate
9	20%	High

Population	45
Max Value	87
Min Value	45
Median	66
Std. Deviation	12,067
Variance	145,611
Range	42
Mean	64,778

Correlation Analysis

Normality Test

Hypothesis

- H₀: The sample comes from a population that is normally distributed.
- H₁: The sample does not come from a normally distributed population.

Decision Criteria

- H₀ is accepted if $L_{count} < L_{table}$ at $\alpha = 0,05$ and $n = 45$
- H₀ is rejected if $L_{count} > L_{table}$ at $\alpha = 0,05$ and $n = 45$

Grammar Mastery

Statistic	Statistic Score
Population Size	45
Mean	62,023
Standard Deviation	14,572
L_{count}	0,11605
L_{table}	0,13208

$L_{count} < L_{table}$ (0.11605 < 0.13208) Data is normally distributed

Speaking Ability

Statistic	Statistic Score
Population Size	45
Mean	65
Standard Deviation	12,0669
L_{count}	0,09346
L_{table}	0,13208

$L_{count} < L_{table}$ (0.09346 < 0.13208) Data is normally distributed

Correlation Analysis

Homogeneity Test

Harley Test

Hypothesis

- H_0 : The samples have the same variance
- H_1 : The samples have the different variances

The decision criteria:

- H_0 is accepted if $F_{count} < F_{table}$ with $\alpha = 0,05$ and $dk = n - 1$
- H_0 is rejected if $F_{count} > F_{table}$ with $\alpha = 0,05$ and $dk = n - 1$

Statistic	Statistic Score
α	0,05
Largest Variance	212,3454
Smallest Variance	145,6111
F_{table}	1,6509
F_{count}	1,4583

$F_{count} < F_{table}$ (1,4583 < 1,6509), H_0 is accepted, the sample has same variance (homogenous).

Correlation Analysis

Hypothesis Test

Pearson Product Moment

Hypothesis:

- H_0 : There is connection between students' simple past grammar mastery and students' recount text speaking ability.
- H_1 : There is no connection between students' simple past grammar mastery and students' recount text speaking ability.

The decision criteria:

- H_0 is accepted if $r_{count} > r_{table}$ at $\alpha = 0,05$ and $n = 45$ and $dk = (n-2) = (45-2) = 43$
- H_0 is rejected if $r_{count} < r_{table}$ at $\alpha = 0,05$ and $n = 45$ and $dk = 43$

Statistic	Statistic Score
α	0,05
Population	45
r_{table}	0,301
r_{count}	0,918

$F_{count} > F_{table}$ ($0,918 > 0,301$), H_0 is accepted, there is connection between students' simple past tense grammar mastery and their speaking ability in recount text.

Conclusion

The Pearson Product moment correlation was obtained coefficient of 0,918. The coefficient of correlation value is in the interval 0.80 – 1.000, so the connection between students' simple past grammar mastery and students' recount text ability to speak can be classified into the very high category. In addition, the correlation coefficient $r_{xy} = 0,918$ is higher than the value $r_{table} = 0.301$, it indicates that there is a positive connection between students' simple past grammar mastery and students' recount text speaking ability at SMP Muhammadiyah 10 Sidoarjo.

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