

**THE EFFECT OF USING ONE STAY TWO STRAY METHOD OF
COOPERATIVE LEARNING ON READING COMPREHENSION OF
JUNIOR HIGH SCHOOL STUDENTS**

THESIS

By

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**UNIVERSITAS MUHAMMADIYAH JEMBER
FACULTY OF TEACHER TRAINING AND EDUCATION
ENGLISH LANGUAGE EDUCATION PROGRAM**

2025

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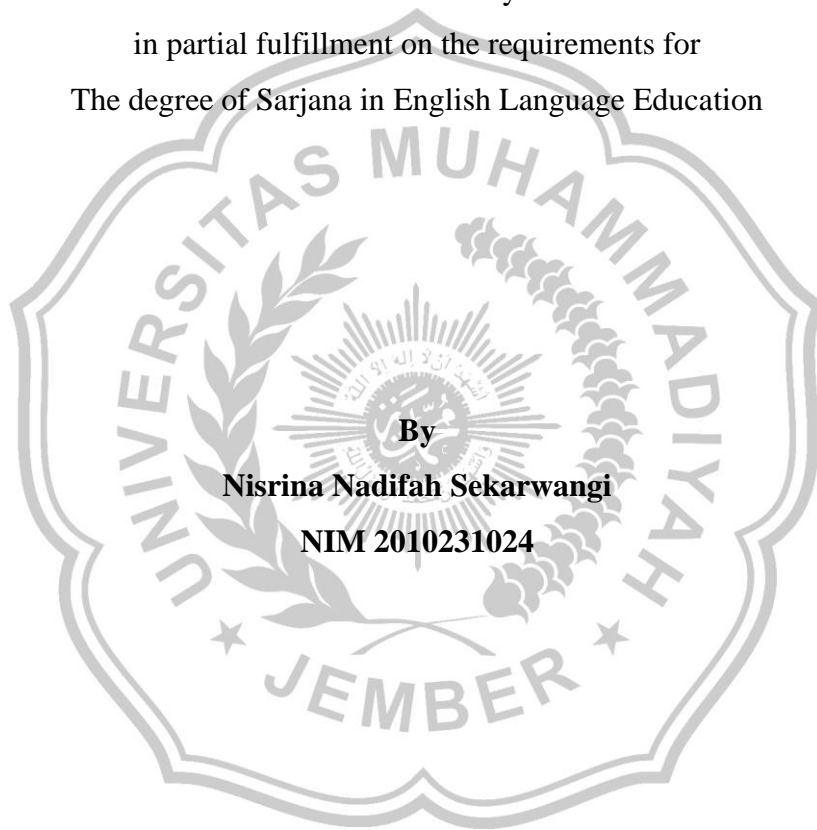
THESIS

Presented to

Universitas Muhammadiyah Jember

in partial fulfillment on the requirements for

The degree of Sarjana in English Language Education



By

Nisrina Nadifah Sekarwangi

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MOTTO

**“The more you that you read, the more things you will know. The more that
you learn, the more places you’ll go.”**

Dr. Seuss

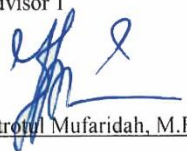


AGREEMENT SHEET

This is to clarify that the Sarjana thesis of Nisrina Nadifah Sekarwangi has been approved by the thesis advisor for further approval by the Board of Examiners.

Jember, April 25th 2025

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PREFACE

Thanks to Allah SWT for all His blessings and loves. He gave me power to finish my thesis. My thesis focuses on reading comprehension. This thesis is written to make the readers understand about The effect of using one stay two stray method of cooperative learning on reading comprehension of junior high school students.

Besides, one of the reasons to conduct this research is intended to know “is there any significant effect of using one stay two stray method of cooperative learning on reading comprehension in junior high school students”

It will hopefully give the information of using one stay two stray method instruction more effectively for the students. This thesis will also become consideration for the English teachers to use one stay two stray method process at the school. The researchers realizes that this thesis has weakness, and the correction is hope.

Jember, 2025



The Writer

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Glory to Allah SWT, Most Merciful, Most Compassionate that blessed the researcher with health and tremendous power to finish this research as a partial requirement for getting Sarjana Degree of English Education of Muhammadiyah University of Jember. The researcher would express appreciation to those who have helped, namely:

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8. The students class 8A and 8B SMP Negeri 1 Tamanan Bondowoso for helping my research.

DEDICATION

My thesis is honorably 8edicated to:

1. My parents, Ismael Aref Saptoadji S.Pd.SD M.Pd and Siti Sundari, who given me all their love and support. You are my inspiration to do my best in life, your hard work and tears are my encouragement to do my best.
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4. My Self Nisrina Nadifah Sekarwangi, thank you for not giving up and doing your best to complete this thesis.

Jember, April 25th,2025

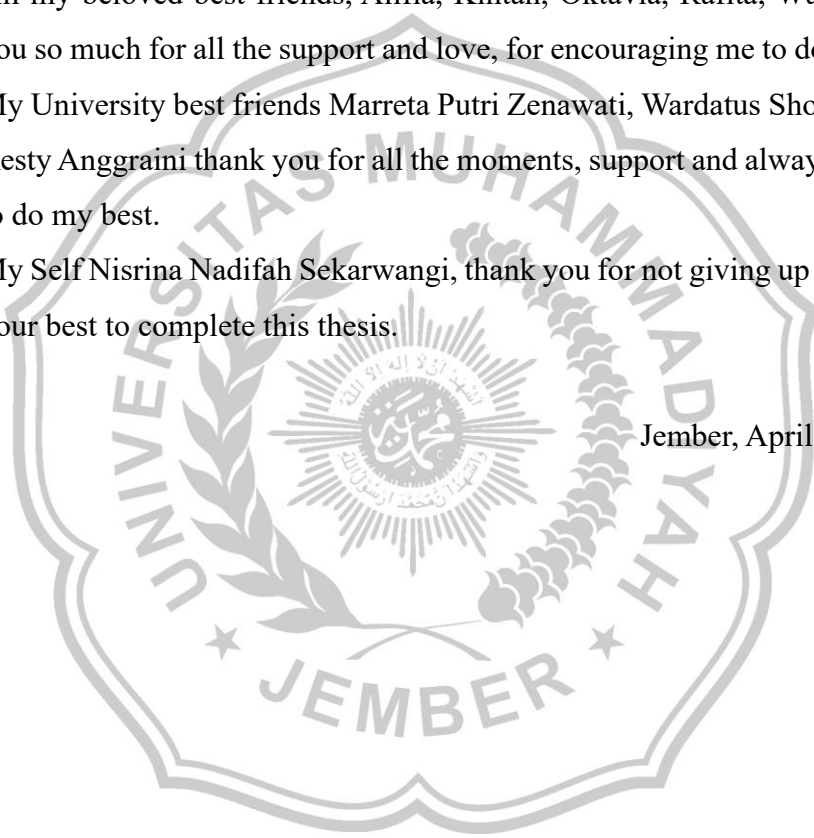


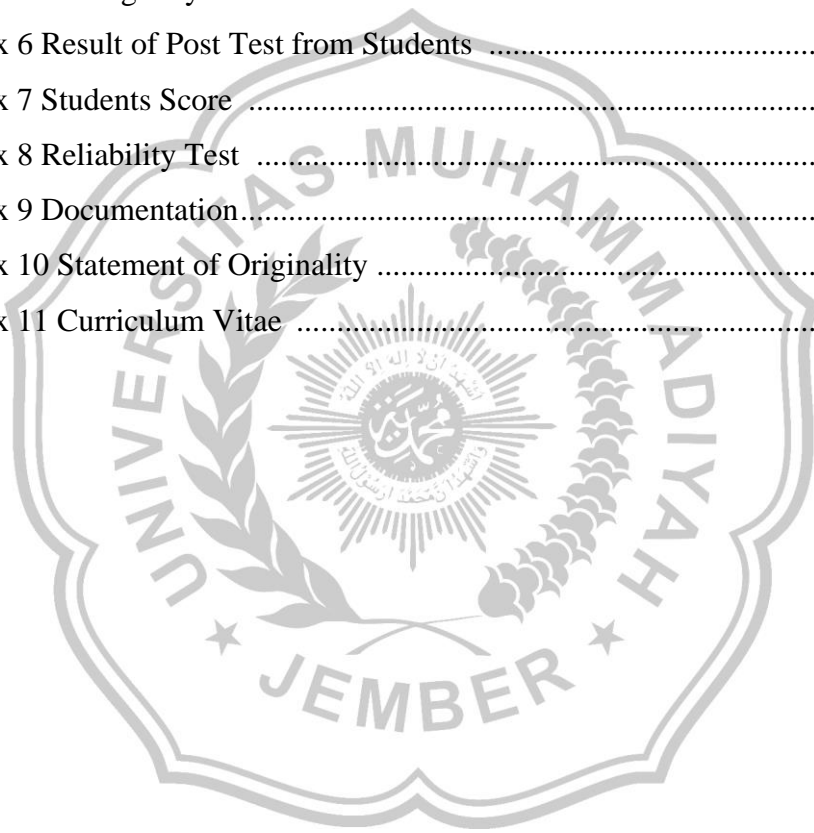
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Appendix 1 Research Matrix

RESEARCH MATRIX



Title	Problem	Variable	Indicator	Data	Research method
The effect of using one stay two stray method of cooperative learning on reading comprehension achievement of junior high school students	Is there any significant effect of using one stay two stray method of cooperative learning on reading comprehension achievement of junior high school students	<p>Tulis variable yang akan diteliti:</p> <p>- <u>Dependent variable</u> : Students's achievement reading comprehension of junior high school students</p> <p>- <u>Independent variable</u> : One stay two stray method</p>	<p>Tuliskan indikator pada setiap variable penelitian:</p> <p>- <u>Dependent</u> : Word comprehension Sentence comprehension Paragraph comprehension</p> <p>- Independent One stay two stray</p>	<p>Tuliskan bentuk data yang akan diteliti atau diambil pada tiap variable</p> <p>- Test multiple choice</p>	<ol style="list-style-type: none"> 1. Tuliskan res method dan research des yang akan digunakan - pretest-post control grou design 2. Tuliskan cal subiek penel anda - junior high school stude 3. Tuliskan instrument y akan dipakai - test multiple choice 4. Tuliskan dat analisis yang akan diguna - t-test



Appendix 2 Pre Test Question

PRE TEST

The Legend of Tangkuban Perahu

Once, there was a kingdom in Priangan Land and there lived a happy family. They were a father in form of dog, his name is Tumang, a mother which was called Dayang Sumbi, and and a child which was called Sangkuriang.

One day, Dayang Sumbi asked her son to go hunting with his lovely dog, Tumang. After hunting all day, Sangkuriang began desperate and worried because he hunted no deer. Then he thought to shot his own dog. Then he took the dog liver and carried home. Soon Dayang Sumbi found out that it was not deer lever but Tumang's, his own dog. So, She was very angry and hit Sangkuriang's head. In that incident, Sangkuriang got wounded and scar then cast away from their home.

Some years elapsted, Sangkuriang travelled many places and finally arrived at a village. He met a beautiful woman and fell in love with her. When they were discussing their wedding plans, the woman looked at the wound in Sangkuriang's head. It matched to her son's wound that had left several years earlier. Soon she realized that she fell in love with her own son. She couldn't marry him but how to say it. Then, she found the way. She needed a lake and a boat for celebrating their wedding day. Sangkuriang had to make them in one night. He built a lake. With a dawn just moment away and the boat was almost complete, Dayang Sumbi had to stop it. Then, she lit up the eastern horizon with flashes of light. It made the cock crowed for a new day.

Sangkuriang failed to marry her. He was very angry and kicked the boat. It felt over and became the mountain of Tangkuban Perahu Bandung.

Choose the best answers by crossing a, b, c, or d!

1. Who was Dayang Sumbi?

- A. She is Sangkuriang's dog
- B. She is Sangkuriang's wife
- C. She is Sangkuriang's mother
- D. She is Sangkuriang's father

2. Why was Dayang Sumbi very angry to Sangkuriang?

- A. Because she found out that it was not deer lever but Tumangs
- B. Because she knew that Sangkuriang wanted to marry her
- C. Because she felt sad because Sangkuriang failed to marry
- D. Because she didn't permit Sangkuriang traveling in many places

3. Where did Sangkuriang met a beautiful woman?

- A. In Priangan land
- B. In his village
- C. In a village, the place Sangkuriang had travel
- D. In the jungle

4. Sangkuriang was very angry. The opposite in underline word is?

- A. Hate
- B. Patient
- C. Smiling
- D. Cloudy

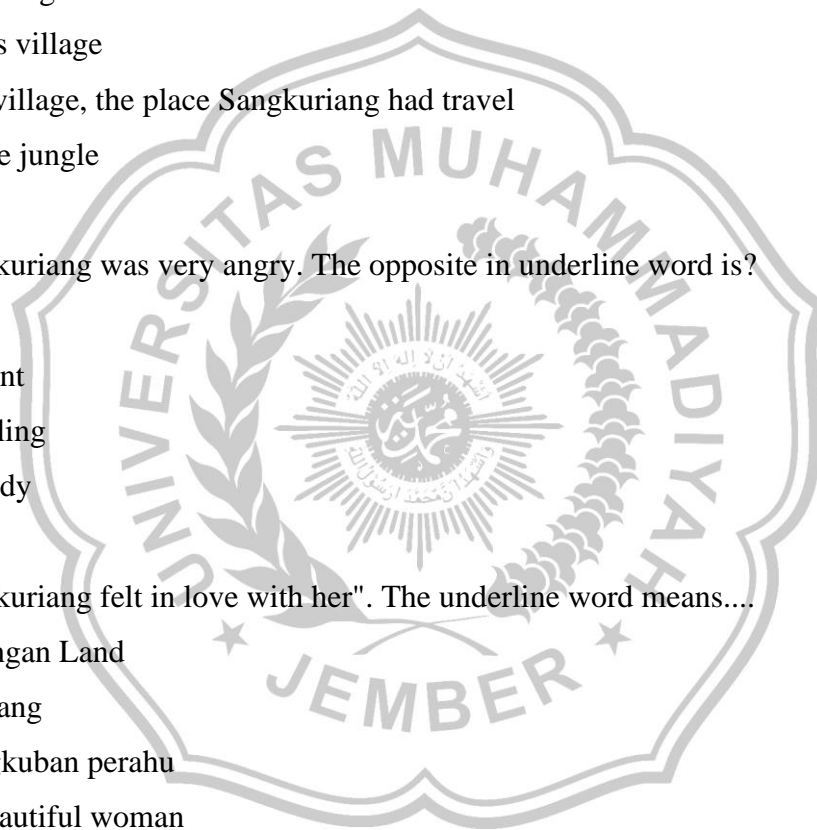
5. Sangkuriang felt in love with her". The underline word means....

- A. Priangan Land
- B. Tumang
- C. Tangkuban perahu
- D. A beautiful woman

6. Why couldn't the woman marry Sangkuriang?

- A. Because Sangkuriang was coward man b
- B. Because Sangkuriang was impetuous man
- C. Because Sangkuriang was callous man
- D. Because the woman looked know that Sangkuriang is old son

7. What did the woman do to stop their wedding?



- A. She asked Sangkuriang to make a boat at the lake
- B. She leaved Sangkuriang
- C. She walked with other man
- D. She invite Sangkuriang in her wedding party with other man

8. "When they were discussing their wedding plans". The word their mean....

- A. Dayang sumbi
- B. Tumang
- C. Sangkuriang
- D. Sangkuriang and beautiful women

9. What is the main idea of the third paragraph?

- A. Sangkuriang go away from his home
- B. Sangkuriang met his mother and wanted to marry her
- C. Sangkuriang doesn't permission to get married
- D. Sangkuriang was very angry

10. Did Sangkuriang fail to marry her?

- A. Yes, he does
- B. No, he doesn't
- C. Yes, he did
- D. Yes, she did

11. Which statement is correct based on the text?

- A. Sangkuriang's mom is Tumangs
- B. The woman couldn't marry with Sangkuriang
- C. The woman was very sad
- D. The woman found Sangkuriang's head wound

12. What did Sangkuriang's mother do when she knew that Sangkuriang has kill Tumangs? woman

- A. Sangkuriang will marry with beautiful
- B. Sangkuriang got wounded and scar then cast away from their home
- C. Dayang Sumbi hits Sangkuriang's head
- D. Sangkuriang failed to marry with beautiful woman

13 Dayang Sumbi was very angry and hit Sangkuriang's head". The word head mean.

- A. The part of fishing
- B. The part of machines
- C. The part of body
- D. The part of drawing

14 Who is the beautiful woman?

- A. Sangkuriang's daughter
- B. Sangkuriang's friend
- C. The woman whom Sangkuriang's love
- D. The woman whom Sangkuriang's hate

15. What is the main idea of the last paragraph?

- A. Sangkuriang live in Priangan Land
- B. Sangkuriang failed to married Sangkuriang hunting with his lovely dog
- C. Sangkuriang hunting with his lovely dog
- D. Sangkuriang had travel in many places

16. In third paragraph, "he met a beautiful woman and felt in love with her". The underlined word means...

- A. Like
- B. Hate
- C. Patient
- D. Arrogant

17. What is the name of Sangkuriang's dog?

- A. Dayang sumbi

- B. Pussy
- C. Boy
- D. Tumang

18. What did Sangkuriang do when he failed to marry with the woman?

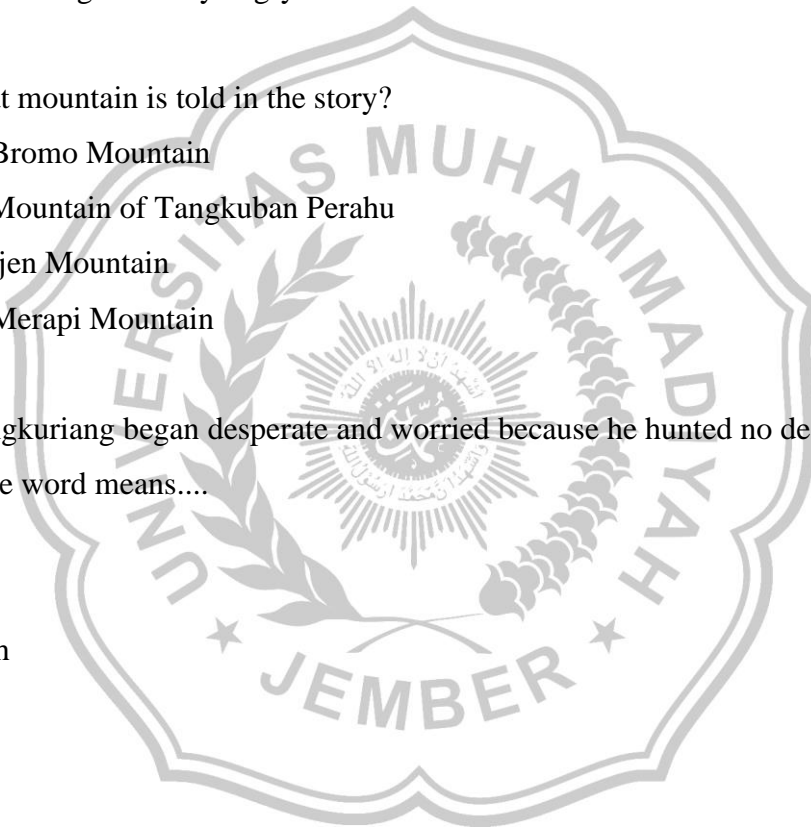
- A. Sangkuriang cried
- B. Sangkuriang broke
- C. Sangkuriang killed himself
- D. Sangkuriang was very angry and kick the boat

19. What mountain is told in the story?

- A. The Bromo Mountain
- B. The Mountain of Tangkuban Perahu
- C. The Ijen Mountain
- D. The Merapi Mountain

20. "Sangkuriang began desperate and worried because he hunted no deer". The underline word means....

- A. Start
- B. End
- C. Finish
- D. Late



“The Ugly Duckling”

A little duckling was terribly unhappy because he thought he was the ugliest amongst all his brothers and sisters. They'd not play with him and titillated the poor ugly duckling. One day, he saw his reflection within the water and cried, “nobody likes me. I'm so ugly. “He decided to go away from home and went far-off into the woods.

Deep within the forest, he saw a cottage in which there lived an old lady, her hen, and her cat. The duckling stayed with them for a few times however he was sad there and shortly left. Once the winter set in, the poor duckling was afraid of the kids and escaped. The ugly duckling spent the winter in a very marshy lake.

Finally, spring arrived. One day, the duckling saw a gorgeous swan swimming within the lake and fell in love with her. Then again he remembered how everybody made fun of him and he bent his head down in shame. Once he saw his own reflection in the water he was astonished. He wasn't an unsightly duckling any longer, but a handsome young swan! Now, he knew why he had looked so completely different from his brothers and sisters. “They were ducklings but I used to be a baby swan!” he said to himself. He married the gorgeous swan and lived happily ever once.

21. Why dis the baby duck decide to leave home?

- A. He saw a swan
- B. He is trying to catch a kit
- C. He saw his reflection thought nobody liked him because he was ugly
- D. He was terribly unhappy

22. After leaving home, where does the duckling go?

- A. He goes to the hills
- B. A cottage in a deep forest
- C. He go to another village
- D. A mountain

23. Who took the ugly duckling to home after going away from cottage?

- A. A peasant
- B. A hen
- C. Beautiful swan
- D. A woman and kids

24. Where ugly duckling spend this winter

- A. A cottage
- B. Marshy pond
- C. Lake
- D. River

25. Where the ugly duckling saw a gorgeous swan?

- A. Winter
- B. Summer
- C. Spring
- D. Autumn

26. Why did the ugly duckling bent to down and shame when he saw a gorgeous swan?

- A. He remembered everyone made fun of him
- B. Because he is a duck
- C. He forgot why
- D. He was afraid of the kids

27. Why ugly ducklings feel astonished?

- A. He saw his own reflection
- B. He saw the beautiful swan
- C. He saw a flying bird
- D. He saw his brothers and sisters

28. Why did he call the ugly duckling?

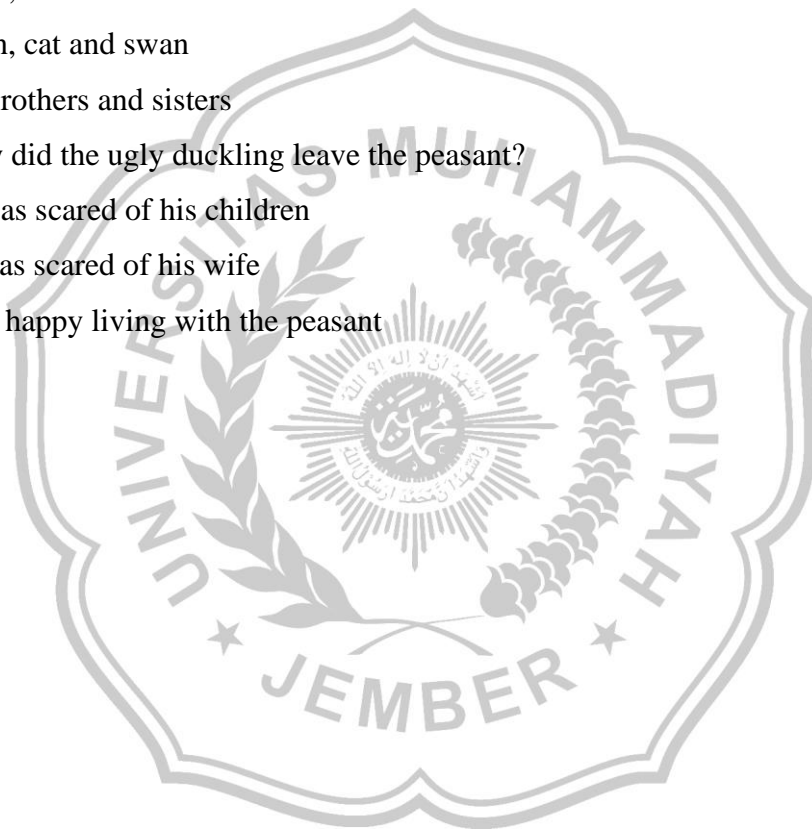
- A. He has different colors
- B. He is a swan but lives as a duck
- C. He likes beautiful swan
- D. He is a gorgeous swan

29. What the ugly duckling saw in the cottage

- A. A cat, hen and a man
- B. A hen, cat and an old woman
- C. A hen, cat and swan
- D. His brothers and sisters

30. Why did the ugly duckling leave the peasant?

- A. He was scared of his children
- B. He was scared of his wife
- C. He is happy living with the peasant



Appendix 3 Post Test Question

POST TEST

Read the text carefully

Romeo and Juliet

In the town of Verona there lived two families, the Capulets and the Montagues. They engaged in a bitter feud. Among the Montagues was Romeo, a hot-blooded young man with an eye for the ladies. One day, Romeo attended the feast of the Capulets', a costume party where he expected to meet his love, Rosaline, a haughty beauty from a well-to-do family. Once there, however, Romeo's eyes fell upon Juliet, and he thought of Rosaline no more.

The vision of Juliet had been invading his every thought. Unable to sleep, Romeo returned late that night to the Juliet's bedroom window. There, he was surprised to find Juliet on the balcony, professing her love for him and wishing that he were not a "Montague", a name of his own. "What's in a name? That which we call a rose by any other name would smell as sweet." Romeo was ready to deny his name and profess his love. The two agreed to meet at nine o'clocks the next morning to be married.

Early the next morning, Romeo came to Friar Lawrence begging the friar to marry him to Juliet. The Friar performed the ceremony, praying that the union might someday put an end to the feud between the two families. He advised Romeo to keep the marriage a secret for a time.

On the way home, Romeo chanced upon his friend Mercutio arguing with Tybalt, a member of the Capulet clan. That quarreling last caused Mercutio to die. Romeo was reluctant no longer. He drew his sword and slew Tybalt. Romeo realized he had made a terrible mistake. Then Friar Lawrence advised Romeo to travel to Mantua until things cool down. He promised to inform Juliet.

In other hand, Juliet's father had decided the time for her to marry with Paris. Juliet consulted Friar Lawrence and made a plot to take a sleeping potion for Juliet.

which would simulate death for three days. The plot proceeded according to the plan. Juliet was sleeping in death

Unfortunately, the Friar's letter failed to reach Romeo. Under the cover of darkness, he broke into Juliet's tomb. Romeo kissed the lips of his Juliet one last time and drank the poison. Meanwhile, the effects of the sleeping potion wear off. Juliet woke up calling for Romeo. She found her love next to her but was lying dead, with a cup of poison in his hand. She tried to kiss the poison from his lips, but failed. Then Juliet put out his dagger and plunged it into her breast. She died

Choose a, b, c, or d for the best answer!

1. What is the main idea of the first paragraph?
 - A. Romeo professed his love to Juliet
 - B. Romeo met Juliet in costume party
 - C. Romeo didn't meet Juliet
 - D. Romeo met Juliet in the balcony
2. "Romeo returned late that night to the Juliet's bedroom window". The opposite of *underlined* word is?
 - A. Came
 - B. Went back
 - C. Arrived
 - D. Invited
3. What had Juliet's father decided for Juliet?
 - A. Juliet's father had decided the time for Juliet to marry with Romeo
 - B. Juliet's father had decided the time for Juliet to marry with Paris
 - C. Friar Lawrence had decided the time for Juliet to marry with Paris
 - D. Friar Lawrence had decided the time for Juliet to marry with Romeo

4. Whom did Romeo meet in the party?

- A. Juliet
- B. Tybalt
- C. Mercutio
- D. Friar Lawrence

5. Whom did Juliet's father had decided for Juliet to Marry?

- A. Romeo
- B. Juliet's mother
- C. Mercutio
- D. Paris

6. Why was Romeo surprised?

- A. Because he met Juliet's father
- B. Because he met Juliet's mother
- C. Because he found Juliet profess his love for him
- D. Because he met Friar Lawrence

7. What happened to Juliet when she saw that Romeo died?

- A. Juliet killed herself by her dagger
- B. Juliet cried next to Romeo' body
- C. Juliet killed herself by her sword
- D. Juliet drank the sleeping poison

8. Who gave Romeo chance to argue with Tybalt on the way home?

- A. Juliet
- B. Rosaline
- C. Mercutio
- D. Juliet's father

9. Why did Romeo return late to Juliet's bedroom?

- A. Because Romeo wanted to get argue with Juliet
- B. Because Juliet fell in love to Romeo
- C. Because Romeo wanted to met Rosaline
- D. Because Juliet vision had invaded Romeo's thought

10. Where did the Capulets and the Montegues family live?

- A. Italy
- B. Paris
- C. Verona
- D. Milan

11 What happened to Romeo when he saw Juliet was laying dead?

- A. Romeo drank the poison from Juliet's lips
- B. Romeo cried and leaved the Juliet's tomb
- C. Romeo killed his self with a sword
- D. Romeo drank the poison in his hand

12. Which one of these statements is correct?

- A. Juliet got married with Paris
- B. Romeo got married with Friar Lawrence
- C. Juliet killed herself by drinking poison
- D. Romeo didn't kiss Juliet's lips before dying

13. What party did Romeo attend?

- A. Costume party
- B. Dance party
- C. Halloween party
- D. Mask Party

14. To whom did Romeo come begging marry him to Juliet?

- A. Juliet's father
- B. Paris
- C. Mercutio
- D. Friar Lawrence

15. What did Friar Lawrence advice to Romeo?

- A. Friar Lawrence asked Romeo to travel to Mantuna
- B. Friar Lawrence asked Romeo to travel to Verona
- C. Friar Lawrence asked Romeo to marry with Juliet
- D. Friar Lawrence asked Romeo to leave Juliet

16. "Friar Lawrence advised Romeo to travel to Mantua until everything cooled down" The *underlined* word means....

- A. Reordered
- B. Recommended
- C. Repeated
- D. Ordered

17. "Juliet would simulate death for three days". The *underlined* word means...

- A. Tried
- B. Discovered
- C. Imitated
- D. Directed

18. What is the main idea of the last paragraph?

- A. Romeo thought that Juliet died
- B. Romeo drank the sleeping poison
- C. Romeo and Juliet drank the poison
- D. Juliet and Romeo died because they drunk the poison

19. What was indication of the poison?

- A. Romeo died because he drank the poison
- B. Juliet slept for a long time
- C. Juliet died for three days
- D. Juliet died because she drank the poison

20. Juliet's father had decided the time for her to marry with Paris. The underlined word means.

- A. determined
- B. asked
- C. shared
- D. consulted

A Woman and the Wolves

A long time ago, very few people lived in the New Territories. There were only a few villages. If the people wanted to go from one village to another, they often had to pass through wild and unsafe forests.

One day, a farmer's young wife went to the next village to visit her own mother and brother. She brought along her baby son. When it was time for her to leave, her brother said "it is getting dark. Let my son, Ah Tim go with you through the forest".

So, Ah Tim led the way and the young woman followed behind, carrying her baby. When they were in the forest, suddenly they saw a group of wolves. They began to run to avoid the danger, but Ah Tim kicked against a stone and fell down.

At once the wolves caught him. The young woman cried to the wolves, "please eat my own son instead". Then, she put her baby son on the ground in front of the wolves and took her nephew away. Everyone understood that this was because the woman was very good and kind. She had offered her own son's life to save her nephew.

They ran back to the house and called for help. All men in the village fetched thick sticks and went back with her into the forest. When they got there, they saw something very strange. Instead of eating the woman's baby, the wolves were playing with him.

21. What separated one village from another a long time ago in the New Territories?

- A. Another village
- B. Mountains
- C. Forests
- D. Hills

22. Who was Ah Tim?

- A. The young woman's brother.
- B. The young woman's son.
- C. The young woman's brother and nephew.
- D. The young woman's brother's son.

23. Who walked in front when they were in the forest?

- A. Ah Tm
- B. The woman
- C. The woman's son.
- D. Her brother's nephew.

24. How could the wolves catch Ah Tim?

- A. He was afraid.
- B. He was stumbled by a stone.
- C. He ran slowly.
- D. The woman cried.

25. The woman gave her son to the wolves because ...

- A. She loved her nephew than her son.
- B. She thought about how her brother would be.
- C. She wanted her son was eaten by the wolves.
- D. She was crazy.

26. What did the villagers bring sticks for?

- A. For the weapon to beat the wolves.
- B. To bring the woman's nephew.
- C. For the fire woods.
- D. For play

27. "all men in the village fetched thick stick ..." The word "fetched" has a similar meaning to:

- A. Received
- B. Caught
- C. Got
- D. Hit

28. From the passage we learn that the villages were ...

- A. Located in one huge area.
- B. Situated in a large district.
- C. Separated by untamed jungles.
- D. Wild and unsafe.

29. The brother let her son go with his aunt as she left home because ...




- A. Ah Tim wanted to see the wolves.
- B. His aunt wanted him to come along.
- C. Ah Tim was bored living with his parents.
- D. Ah Tim would be a guardian for them.

30. What is the purpose of the writer in writing the story above?

- A. To describe the danger of the villages.
- B. To entertain the readers of the story.
- C. To tell the villagers relationship.
- D. To explain how important a relative is.



Appendix 4 Surat Keterangan Penelitian

	PEMERINTAH KABUPATEN BONDOWOSO DINAS PENDIDIKAN UPTD SPF SMP NEGERI 1 TAMANAN Jl. Maesan No. – Telp (0332) 426056 Kode Pos 68263 Tamanan email : smpnsatu_tamanan@yahoo.co.id BONDOWOSO	
<u>SURAT KETERANGAN</u>		
Nomor : 420/139 /430.9.9.5.005/2024		
 Yang bertanda tangan dibawah ini :		
Nama	: MUCHAMMAD SAFI'I,S.Pd	
NIP.	: 19671023199031003	
Pangkat/Gol	: Pembina IV/B	
Jabatan	: Kepala Sekolah	
Unit Kerja	: SMP Negeri 1 Tamanan	
 Menerangkan bahwa :		
Nama	: NISRINA NADIFAH SEKARWANGI	
NIM	: 2010231024	
Program Studi	: Pendidikan Bahasa Inggris	
Universitas	: Universitas Muhammadiyah Jember- Fakultas Keguruan dan Ilmu Pendidikan	
 Kami bersedia menerima mahasiswa tersebut diatas untuk melakukan penelitian terkait dengan judul penelitian "The Effect of Using One Stay Two Stray Method of Cooperative Learning on Reading Comprehension of Junior High School Students" di SMP Negeri 1 Tamanan.		
Demikian Surat keterangan ini dibuat untuk dipergunakan sebagaimana mestinya.		
Bondowoso, 10 Oktober 2024		
Kepala UPTD SPF SMP NEGERI 1 TAMANAN		
		
_____ MUCHAMMAD SAFI'I,S.Pd Pembina TK I NIP. 196710231991031003		

Scanned with CamScanner

Appendix 5 Homogeneity test

CLASS 8A SEMESTER GRADES OF SMP NEGERI TAMANAN 1 BONDOWOSO

N	X	X ²
1	76	5.776
2	76	5.776
3	76	5.776
4	80	6.400
5	76	5.776
6	76	5.776
7	76	5.776
8	76	5.776
9	76	5.776
10	78	6.084
11	82	6.724
12	76	5.776
13	84	7.056
14	78	6.084
15	78	6.084
16	80	6.400
17	86	7.396
18	80	6.400
19	76	5.776
20	76	5.776
21	78	6.084
22	82	6.724
23	82	6.724
24	82	6.724
25	78	6.084
26	76	5.776
N=26	Σ X = 2040	Σ X² = 160280

$$F_{max} = \frac{Var\ Tertinggi}{Var\ Terendah}$$

$$Varian (SD^2) = \frac{\sum X^2 - \frac{(\sum x)^2}{N}}{N-1}$$

$$Diketahui : N = 26$$

$$\sum x = 2040$$

$$\sum x^2 = 160280$$

$$\begin{aligned}
 SD_A^2 &= \frac{\sum X^2 - \frac{(\sum x)^2}{N}}{N-1} \\
 &= \frac{160280 - \frac{(2040)^2}{26}}{26-1} \\
 &= \frac{160280 - 160061,54}{25} \\
 &= \frac{218,46}{25} \\
 &= 8,74
 \end{aligned}$$

CLASS 8B SEMESTER GRADES OF SMP NEGERI TAMANAN 1 BONDOWOSO

N	X	X ²
1	82	6.724
2	82	6.724
3	76	5.776
4	76	5.776
5	78	6.084
6	76	5.776
7	76	5.776
8	76	5.776
9	76	5.776
10	76	5.776
11	84	7.056
12	76	5.776
13	80	6.400
14	82	6.724
15	80	6.400
16	82	6.724
17	78	6.084
18	82	6.724
19	76	5.776
20	76	5.776
21	76	5.776
22	78	6.084
23	80	6.400
24	78	6.084
25	78	6.084
26	76	5.776
N = 26	$\sum X = 2036$	$\sum X^2 = 159608$

$$F_{max} = \frac{Var\ Tertinggi}{Var\ Terendah}$$

$$Varian (SD^2) = \frac{\sum X^2 - \frac{(\sum x)^2}{N}}{N-1}$$

$$Diketahui : N = 26$$

$$\sum x = 2036$$

$$\sum x^2 = 159608$$

$$SD_B^2 = \frac{\sum X^2 - \frac{(\sum x)^2}{N}}{N-1}$$

$$= \frac{159608 - \frac{(2036)^2}{26}}{26-1}$$

$$= \frac{159608 - 159.434,46}{25}$$

$$= \frac{173,54}{25}$$

$$= 6,94$$

Homogeneity test of 8A and 8B

$$F_{max} = \frac{Var\ Tertinggi}{Var\ Terendah} = \frac{8,74}{6,94} = 1,26$$

$$dbA = 26 - 1 = 25$$

$$dbB = 26 - 1 = 25$$

Based on the data above, it will be consulted to F-table of 5% significance level. By using dbA=25 and dbB=25 it has been got 1,96 as the result, F empiric above is lower than F theoretic (1,26 < 1,96). So it can be concluded that the varian analysis of each class is

homogeneous.

CLASS 8C SEMESTER GRADES OF SMP NEGERI TAMANAN 1 BONDOWOSO

N	X	X ²
1	76	5.776
2	76	5.776
3	76	5.776
4	76	5.776
5	76	5.776
6	76	5.776
7	78	6.084
8	76	5.776
9	76	5.776
10	76	5.776
11	76	5.776
12	76	5.776
13	76	5.776
14	80	6.400
15	80	6.400
16	76	5.776
17	86	7.396
18	86	7.396
19	84	7.056
20	80	6.400
21	76	5.776
22	78	6.084
23	78	6.084
24	76	5.776
25	80	6.400
26	78	6.084
N = 26	$\sum X = 2028$	$\sum X^2 = 158424$

$$F_{max} = \frac{Var\ Tertinggi}{Var\ Terendah}$$

$$Varian (SD^2) = \frac{\sum X^2 - \frac{(\sum x)^2}{N}}{N-1}$$

Diketahui : N = 26

$$\sum x = 2028$$

$$\sum x^2 = 158424$$

$$\begin{aligned}
 SD_c^2 &= \frac{\sum X^2 - \frac{(\sum x)^2}{N}}{N-1} \\
 &= \frac{158424 - \frac{(2028)^2}{26}}{26-1} \\
 &= \frac{158424 - 158184}{25} \\
 &= \frac{240}{25} \\
 &= 9,6
 \end{aligned}$$

CLASS 8D SEMESTER GRADES OF SMP NEGERI TAMANAN 1 BONDOWOSO

N	X	X ²
1	92	8.464
2	92	8.464
3	96	9.216
4	96	9.216
5	92	8.464
6	92	8.464
7	94	8.336
8	94	8.336
9	84	7.056
10	98	9.604
11	96	9.216
12	96	9.216
13	96	9.216
14	96	9.216
15	92	8.464
16	88	7.744
17	84	7.056
18	84	7.056
19	86	7.396
20	80	6.400
21	80	6.400
22	80	6.400
23	86	7.396
24	94	8.834
25	84	7.056
26	76	5.776
N = 26	Σ X = 2328	Σ X ² = 208462

$$F_{max} = \frac{Var\ Tertinggi}{Var\ Terendah}$$

$$Varian (SD^2) = \frac{\sum X^2 - \frac{(\sum x)^2}{N}}{N-1}$$



$$Diketahui : N = 26$$

$$\sum x = 2328$$

$$\sum x^2 = 208462$$

$$\begin{aligned}
 SD_D^2 &= \frac{\sum X^2 - \frac{(\sum x)^2}{N}}{N-1} \\
 &= \frac{208462 - \frac{(2328)^2}{26}}{26-1} \\
 &= \frac{208462 - 208445,54}{25} \\
 &= \frac{16,46}{25} \\
 &= 0,66
 \end{aligned}$$

Appendix 6 Result of Post Test from Students

LEMBAR JAWABAN POST-TEST
EXPERIMENTAL RESEARCH AT SMP NEGERI TAMANAN 1 BONDOWOSO
BONDOWOSO 2024/2025

NAMA A Kandi Zaen

KELAS 8B

PELAJARAN IPS. Inggris

NO. ABSEN 02

1.	A	<input checked="" type="checkbox"/>	C	D
2.	A	<input checked="" type="checkbox"/>	C	D
3.	A	<input checked="" type="checkbox"/>	C	D
4.	<input checked="" type="checkbox"/>	B	C	D
5.	A	B	C	<input checked="" type="checkbox"/>
6.	A	B	<input checked="" type="checkbox"/>	D
7.	<input checked="" type="checkbox"/>	B	C	D
8.	A	B	<input checked="" type="checkbox"/>	D
9.	A	B	C	<input checked="" type="checkbox"/>
10.	A	B	<input checked="" type="checkbox"/>	D
11.	A	B	C	<input checked="" type="checkbox"/>
12.	A	B	<input checked="" type="checkbox"/>	D
13.	<input checked="" type="checkbox"/>	B	C	D
14.	A	B	C	<input checked="" type="checkbox"/>
15.	<input checked="" type="checkbox"/>	B	C	D

16.	A	<input checked="" type="checkbox"/>	C	D
17.	A	B	<input checked="" type="checkbox"/>	D
18.	<input checked="" type="checkbox"/>	B	C	D
19.	A	B	<input checked="" type="checkbox"/>	D
20.	<input checked="" type="checkbox"/>	B	C	D
21.	<input checked="" type="checkbox"/>	B	<input checked="" type="checkbox"/>	D
22.	A	B	C	<input checked="" type="checkbox"/>
23.	<input checked="" type="checkbox"/>	B	C	D
24.	A	<input checked="" type="checkbox"/>	C	D
25.	A	<input checked="" type="checkbox"/>	C	D
26.	<input checked="" type="checkbox"/>	B	C	D
27.	A	B	<input checked="" type="checkbox"/>	D
28.	A	B	<input checked="" type="checkbox"/>	D
29.	A	B	C	<input checked="" type="checkbox"/>
30.	A	B	C	<input checked="" type="checkbox"/>

Appendix 7 Students Score

Table score of experimental group (8B)

NO	PRETEST SCORE (X ₁)	POSTTEST SCORE (X ₂)	GAIN SCORE (X)	SCORE QUADRATE (X ²)
1	73	100	27	729
2	80	100	20	400
3	70	100	30	900
4	70	100	30	900
5	83	100	17	289
6	77	100	23	529
7	77	97	20	400
8	73	93	20	400
9	73	93	20	400
10	77	97	20	400
11	80	100	20	400
12	83	100	17	289
13	83	100	17	289
14	77	97	20	400
15	73	100	27	729
16	77	93	16	256
17	77	97	20	400
18	77	100	23	529
19	77	100	23	529
20	80	93	13	169
21	87	100	13	169
22	73	93	20	400
23	80	93	13	169
24	70	100	30	900
25	80	97	17	289
26	83	100	17	289
N=26	$\sum X_1 = 2010$	$\sum X_2 = 2543$	$\sum X = 533$	$\sum X^2 = 11553$

Table score of control group (8A)

NO	PRETEST SCORE (Y ₁)	POSTTEST SCORE (Y ₂)	GAIN SCORE (Y)	SCORE QUADRATE (Y ²)
1	77	83	6	36
2	80	93	13	169
3	73	83	10	100
4	73	100	27	729
5	73	90	17	289
6	77	93	16	256
7	77	83	6	36
8	70	100	30	900
9	73	97	24	576
10	80	97	17	289
11	77	100	23	529
12	73	87	14	196
13	77	100	23	529
14	73	100	27	729
15	77	100	23	529
16	73	90	17	289
17	73	87	14	196
18	77	100	23	529
19	73	97	24	576
20	90	97	7	49
21	77	87	10	100
22	80	97	17	289
23	73	83	10	100
24	73	90	17	289
25	83	97	14	196
26	73	83	10	100
N=26	$\sum Y_1 = 1975$	$\sum Y_2 = 2414$	$\sum Y = 439$	$\sum Y^2 = 8605$

Appendix 8 Reliability Test

No	Odd Number															Total (x)	x^2	Total x 10
	1	3	5	7	9	11	13	15	17	19	21	23	25	27	29			
1	0	0	1	1	0	1	1	0	1	1	0	1	1	0	0	8	64	80
2	1	0	0	0	1	0	1	1	0	1	0	0	1	1	0	7	49	70
3	0	1	0	0	1	1	0	1	1	0	1	1	0	1	1	9	81	90
4	1	0	1	1	0	0	1	0	0	1	0	1	1	0	1	8	64	80
5	1	1	0	1	1	0	1	1	0	1	0	0	1	1	0	9	81	90
6	0	1	1	0	0	1	0	1	1	0	0	1	0	0	1	7	49	70
7	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	10	100	100
8	1	0	0	1	1	0	0	1	0	1	1	0	0	1	0	7	49	70
9	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	10	100	100
10	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	10	100	100
11	0	1	0	1	1	0	0	1	0	1	1	0	1	1	0	8	64	80
12	0	0	1	0	1	0	0	1	0	0	1	1	0	1	1	7	49	70
13	0	0	0	0	0	1	1	0	1	1	0	0	1	0	1	6	36	60
14	0	1	0	1	0	0	1	1	0	1	1	0	1	1	0	8	64	80
15	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	10	100	100
16	1	0	1	1	0	0	1	0	1	1	0	1	1	0	1	9	81	90
17	0	1	0	1	1	0	1	1	0	1	1	0	1	1	0	9	81	90
18	0	1	1	0	1	0	0	1	1	0	0	1	0	1	0	7	49	70
19	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	10	100	100
20	1	1	0	1	1	0	1	0	0	0	1	0	1	1	0	8	64	80
21	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	10	100	100
22	1	0	0	0	0	0	1	0	1	1	0	1	0	0	1	6	36	60
23	1	1	0	1	1	0	1	1	1	1	1	0	1	1	0	11	121	110
24	0	1	0	0	0	1	0	1	1	0	1	0	0	1	1	7	49	70
25	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	10	100	100
26	0	1	0	0	0	0	1	0	0	0	1	0	0	1	0	4	16	40
N=26	Σ															215	1847	2150

No	Even Number															Total (y)	y^2	Total x 10
	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30			

1	1	0	1	0	0	0	1	0	1	0	1	0	1	0	1	7	49	70
2	1	1	1	0	1	1	1	1	0	1	1	1	1	0	1	12	144	120
3	0	0	0	1	0	1	0	1	0	1	0	1	0	1	0	6	36	60
4	1	1	0	0	1	0	1	0	0	1	1	1	1	1	1	10	100	100
5	0	0	1	0	1	0	1	0	1	0	1	0	1	0	1	7	49	70
6	0	1	1	1	1	1	0	1	0	1	0	1	0	1	1	10	100	100
7	0	1	0	1	0	1	0	1	0	1	0	1	0	1	1	8	64	80
8	1	1	1	0	1	1	1	1	1	0	1	1	1	1	0	12	144	120
9	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	8	64	80
10	1	0	1	0	1	1	0	1	1	0	0	0	1	1	1	9	81	90
11	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	7	49	70
12	1	1	1	1	1	1	1	0	1	1	1	1	0	1	0	12	144	120
13	1	0	1	0	0	0	1	0	1	0	1	0	1	0	1	7	49	70
14	0	1	0	1	1	0	1	1	1	0	1	1	0	1	1	10	100	100
15	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	7	49	70
16	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	11	121	110
17	1	0	1	0	0	0	1	0	1	0	1	0	1	0	0	6	36	60
18	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	13	169	130
19	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	7	49	70
20	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	13	169	130
21	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	8	64	80
22	0	1	1	1	1	1	1	0	1	0	1	0	1	1	1	11	121	110
23	0	1	0	1	0	1	0	1	0	1	0	1	0	1	1	8	64	80
24	1	1	0	0	0	1	1	1	0	1	0	1	1	1	0	9	81	90
25	0	0	1	0	1	0	1	0	1	0	1	0	1	0	1	7	49	70
26	1	1	0	1	1	1	1	1	0	1	1	1	1	0	1	12	144	120
N=26	Σ															237	2289	2370

xy
56

84
54
80
63
70
80
84
80
90
56
84
42
80
70
99
54
91
70
104
80
66
88
63
70
48
$\Sigma xy = 1906$

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

$$r_{xy} = \frac{26 \times 1906 - 215 \times 237}{\sqrt{(26 \times 1847 - (215)^2)(26 \times 2289 - (237)^2)}}$$

$$r_{xy} = \frac{49556 - 50955}{\sqrt{(48022 - 46225)(59514 - 56169)}}$$

$$r_{xy} = \frac{-1399}{\sqrt{(1797)(3345)}}$$

$$r_{xy} = \frac{-1399}{\sqrt{6010965}}$$

$$r_{xy} = \frac{-1399}{2451,7}$$

$$r_{xy} = -0,57$$

While Spearmen-Brown formula is :

$$r_{11} = \frac{2 \times r_{xy}}{1 + r_{xy}}$$

$$r_{11} = \frac{2 \times (-0,57)}{1 + (-0,57)}$$

$$r_{11} = \frac{-1,14}{-1,57}$$

$$r_{11} = 0,726$$

Based on the data above, it was consulted to the table of r product moment of 5%. By using N=26, it was got 0,726. As the result, r_{11} was higher than r_t (0,388)

Appendix 9 Documentation



Appendix 10 Statement of Originality

STATEMENT OF ORIGINALITY

The undersigned

Name : Nisrina Nadifah Sekarwangi

Student Number : 2010231024

Program: English Education

Faculty : Teacher Training and Education

I state that this thesis my own creation. It doesn't copy from other resources that I claim as my own creation.

If it is proved tomorrow, or it could be proved that the thesis if from only copy and paste, I will be ready to all the consequences.

Jember, April 25th 2025

Writer



Nisrina Nadifah S.

NIM. 2010231024

Appendix 11 Curriculum Vitae

CURRICULUM VITAE

Nisrina Nadifah Sekarwangi is the only daughter of Ismael Aref Saptoadji and Siti Sundari. She was born in Bondowoso on August 13 2001. Since she was a kid she likes to read books.

She begin study at TK Kemala Bhayangkari. Then, she continued to study at SDN Dabasah 3 graduated in 2014. After that, she decided to study at Junior High School 1 Bondowoso graduated in 2017. For Senior High School, she learned at Senior High School 2 Bondowoso graduated in 2020. After graduating from Senior high school, she decided to continue to the university. She took English Education Program because she really likes English.

