APPENDICES

Appendix 1 Reading proficiency Test (After and Before Validation)

READING TEST AFTER VALIDATION

Instruction : please read the text and questions carefully. To answer, you need to cross the option in the answer sheet.Before answering, don't forget to fill in the identity in the right top of the answer sheet.

The text entitled My Best Friend is for question number 1-5

My Best Friend

I have the best friend named Ida. I grow with her together because she is my neighbour. We enter the same school together starting from kindergarten, primary school and junior high school. Ida is older 2 months than me. She was born on 12 of June 2006. She always calls me in the morning before going to school. Then, we go to school together on foot.

Ida has nice physical appearence. She is taller than me, but she is a little bit fat. She is 40 kg. Her skin is white and clean. She has long straight hair. She tights her hair when she goes to school. The teeth are neat and sparkling white. He looks very charming when smiling. Ida is like her mother physically.

Ida is an easy going girl. She does frienship with whoever and she does not see from their economic or social status. Ida is is very kind and friendly to everyone so she has many friends. She has a fantastic sense of humor and she always makes people laugh with joke. He can't see her friend sad. However, she is hate with lateness. If her friend is late, she usually gets angry. For her, lateness is untolerable.

- 1. What is the text about?
 - a. Description of Ida
 - b. Description of the writer

- c. Story of Ida
- d. Story of the writer
- 2. "<u>She</u> was born on 12...?" (1st paragraph, 5th sentence). What does the underline word mean?
 - a. Ida
 - b. The writer
 - c. Ida's mother
 - d. The writer's mother
- 3. How does Ida's mother look like?
 - a. Dark skin, short straight hair, a little bit fat
 - b. White skin, short curly hair, a little bit fat
 - c. Dark skin, long straight hair, a little bit fat
 - d. White skin, long straight hair, a little bit fat
- 4. When was Ida Born?
 - a. 12 of June 2006
 - b. 12 of July 2006
 - c. 12 of August 2006
 - d. 12 of September 2006
- 5. "... she is <u>hate</u> with lateness". The underlined word has closest in meaning to....
 - a. Love
 - b. Like
 - c. Dislike
 - d. Interest

The text entitled Beratan Lake is for question number 6-10

Beratan Lake

Bali has many toursim destinasions, one of them is Beratan Lake. It is located in Candikuning Village, Tabanan, Bali. Beratan Lake can be reached easily because it is on the way to Denpasar from Singaraja. People can reach it by using motor bike and car. The entering ticket is also cheap, it is only Rp. 15.000 for local visitor.

The main attraction of this place is the lake. The lake is still natural with mountain panomara in the east part. In the west part, there are two temples, Ulun Danu Beratan dan Dalem temple. The main part of Ulun Danu temple is located in the lake. It looks like floating on the lake. However, we can not enter the temple. We just can see it from the outside.

In the south part is recreational part. Here, we can rent floating duct, speedboat, and fishing. You have to pay more if you want to use the facilities. The floating duck is more expensive than speed boat because it can only be occupied by two persons. The ticket for the floating duct is Rp.100.000 for one hour. You can also rent fishing equipments if the don't bring them. After enjoying them, you

can visit culinary stand in the west part. There are many kinds of food sold, such as : bakso (meat ball), goat satay, rabbit satay, fried chicken, etc.

- 6. What is the main idea of the first paragraph?
 - a. General description of Beratan Lake
 - b. Beratan Lake is located in Tabanan Regency
 - c. The price of entering ticket to Beratan Lake
 - d. Easy accessto reach Beratan Lake
- 7. "<u>It</u> looks like floating...." (2nd paragraph 5th sentence). The underlined word refers to....
 - a. Beratan Lake
 - b. Ulun Danu Temple
 - c. The main part of Ulun Danu temple
 - d. Dalem temple
- 8. How much should five people pay to enter Beratan Lake?
 - a. Rp. 15.000
 - b. Rp. 30.000
 - c. Rp. 60.000
 - d. **R**p. 75.000
- 9. What can you enjoy in the south part of Beratan Lake?
 - a. Beautiful panorama
 - b. Ulun Danu temple
 - c. Recreational site
 - d. Dalem temple
- 10. "...have to <u>pay</u> more if..." (3rd paragraph, 3rd sentence). The opposite meaning of the underlined word is....
 - a. Sell
 - b. Borrow
 - c. Buy
 - d. Give

The text entitled Travelling to Lembongan Island is for question number 11-15

Travelling to Lembongan Island

To enjoy long school vocation last month, my family and I visited Lembongan Island. It is actually part of Bali Province, but the location is accross the sea. We went there in the morning. At 8 AM, we arrived in Sanur harbour. There, my father directly bought ticket for 5 persons. The price is just Rp. 65.000 per person for adult (my father and mother) and Rp. 50.000 for me and older brothers. Before going to the speed boat, we enjoyed sunrise and balinese cakes near the ticket service. Finally, we boarded and went to Lembongan Island at 8.30 AM.

Finally, we arrived in Mushroom Harbour in Lembongan at 9 AM. We directly went to villa which had been booked by my grand father. My father booked for two rooms, one room was for parent and one room for me and my siblings. I put my clothes firtsly, then I and my siblings went to swimming pool. We were so happy because the swimming pool was large. Then, we ordered fried rice and juices. At 11.00 AM, we stopped swimming and prepared for the next destination. At 12.00 AM, we visited Mangrove Harbour to meet Captain Bobo. We were going to see mangrove jungle by boat. After seeing mangrove jungle, we moved to the sea for snorkling. The captain helped us to wear our safety equipments. Then, we did snorkling to see fish and coral reefs. It was so beautiful. We finished snorkling around 5.00 PM and we directly changed our clothes. My father invited us to eat grilled fish in the restaurant near it. We were so happy at that time.

- 11. The second paragraph tells us about....
 - a. The beauty of Lembongan Island
 - b. Trip to Mangrove jungle
 - c. Snorkling in Lembongan Island
 - d. The writer's activity in Lembongan Island
- 12. " It is actually part of Bali Province..." (1st paragraph, 2nd sentence). The
 - underlined word refers to
 - a. Lembongan Island
 - b. Long school vacation
 - c. Mushroom Harbour
 - d. Sanur Harbour
- 13. How much should my parent pay for them?
 - a. Rp. 65.000
 - b. Rp. 130.000
 - c. Rp. 50.000
 - d. Rp. 280.000
- 14. The writer and his family did many activities in Lembongan Island, except....
 - a. Grilling fish
 - b. Snorkling
 - c. Visiting mangrove jungle
 - d. Swimming in the pool
- 15. "....to see mangrove jungle by boat" (2nd paragraph, 9th sentence). The underlined word has the closest meaning to....
 - a. Sea
 - b. Harbour
 - c. Coral reef
 - d. Forest

The text entitled My Lucky Day is for question number 16-20

My Lucky Day

Yesterday was a lucky day for me. In the morning, my mother cooked my favourite food, pizza. I really loved it because the toping was full of beef and vegetables. Then, I ate it fast because it was still warm. My mother was happy to see me eat the pizza. When I finished, my father invited me to pet farming. There, I helped my father to feed the chicken, duck, and goat. When I entered the duck cage, I saw many eggs. My father asked me to pick them up. I did and calculated the egg amount. I put them in the special place and cleaned them.

In the afternoon, my father and mother sold the eggs together with me to traditional market. My parent looked so happy when they recieved much money. My father asked "let's go to toys shop! You can freely buy toys you want". I was so surprised and happy to hear that. Then, I replied "really? I want to buy playstation". My parents agreed and we directly went to toy shop. Arriving in the toy shop, I directly chose playstation 3. I also bought 1 cassette containing of moto GP and football game. The shopassitant told me how to operate the playstation.

Then, we went home. Arriving at home, I directly set up my playstation. It successfully worked so I could play directly. However, my father told me that there was time limit to play. I was only allowed to play after studying and it was not more than 2 hours a day. I agreed and I was so happy because finally I had my dream toy.

- 16. What is the purpose of the text?
 - a. To tell the writer' real experience
 - b. To tell how the writer get playstation
 - c. To entertaint the reader about the writer's story
 - d. To describe the writer's playstation
- 17. "<u>My parent</u> looked so happy...." (2nd paragraph 2nd sentence). The underlined word refers to....
 - a. The writer's mother
 - b. The writer's father
 - c. The writer's father and mother
 - d. The writer and shopassitant
- 18. Which statement is true based on the text?
 - a. The writer should not study before palying playstation
 - b. The writer can play playstation freely
 - c. There is a rule for the writer to play playstation
 - d. The writer disagree to the rule of playing plastation
- 19. Who told the writer the way to operate the playstation 3?
 - a. The writer's father
 - b. The shopassisstant
 - c. The writer's mother
 - d. The writer's parent

- 20. "...with me to <u>traditional</u> market". The underlined word has opposite meaning to....
 - a. Old
 - b. Classic
 - c. Modern
 - d. Ancient

The conversation below is for question number 20-25

- Mira : I hear that Bayu gets 100 for math test. Is that right?
- Devi : No, he only gets 90. He makes 1 mistake. How about you?
- Gita : I gets 100. I really study hard for it.
- Mira : congratulation, you are great. I only get 85. It is very difficult for me.
- Devi : don't be worry! I also get 85. It is difficult also for me.
- Mira : Gita, can I borrow your math examination? I want to learn in which part I make mistake.
- Gita : sure, I will give you in the class because I put it in my bag.
- Mira : thank you, let's order food and drink now!
- Gita : I only order drink.

21. What are the speakers talking about?

- a. Math test score
- b. Bayu
- c. Math test difficulty
- d. Food and drink
- 22. "<u>It</u> is very difficult for me". (Mira's utterance). The underlined word refers to....

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- a. Mira's math score
- b. Math test
- c. Math score
- d. Mistake
- 23. Which statement is true based on the text?
 - a. The conversation is done in the library
 - b. Devi is cleverer than Bayu
 - c. Gita is the cleverest student in math
 - d. Gita order certain food
- 24. Where will Gita give her math test result?
 - a. In the classroom
 - b. In the library
 - c. In the canteen

- d. In her house
- 25. "He makes 1 mistake". The underlined word has closest meaning to
 - a. Wrong
 - b. True
 - c. Correct
 - d. Right

READING TEST BEFORE VALIDATION*

Instruction : please read the text and questions carefully. To answer, you need to cross the option in the answer sheet.Before answering, don't forget to fill in the identity in the right top of the answer sheet.

The text entitled My Best Friend is for question number 1-6

My Best Friend

I have the best friend named Ida. I grow with her together because she is my neighbour. We enter the same school together starting from kindergarten, primary school and junior high school. Ida is older 2 months than me. She was born on 12 of June 2006. She always calls me in the morning before going to school. Then, we go to school together on foot.

Ida has nice physical appearence. She is taller than me, but she is a little bit fat. She is 40 kg. Her skin is white and clean. She has long straight hair. She tights her hair when she goes to school. The teeth are neat and sparkling white. He looks very charming when smiling. Ida is like her mother physically.

Ida is an easy going girl. She does frienship with whoever and she does not see from their economic or social status. Ida is is very kind and friendly to everyone so she has many friends. She has a fantastic sense of humor and she always makes people laugh with joke. He can't see her friend sad. However, she is hate with lateness. If her friend is late, she usually gets angry. For her, lateness is untolerable.

1. What is the text about?

- a. Description of Ida
- b. Description of the writer
- c. Story of Ida
- d. Story of the writer
- 2. "<u>She</u> was born on 12...?" (1st paragraph, 5th sentence). What does the underline word mean?
 - a. Ida
 - b. The writer
 - c. Ida's mother
 - d. The writer's mother
- 3. How does Ida's mother look like?
 - a. Dark skin, short straight hair, a little bit fat
 - b. White skin, short curly hair, a little bit fat
 - c. Dark skin, long straight hair, a little bit fat
 - d. White skin, long straight hair, a little bit fat
- 4. When was Ida Born?
 - a. 12 of June 2006
 - b. 12 of July 2006
 - c. 12 of August 2006
 - d. 12 of September 2006
- 5. "... she is hate with lateness". The underlined word has closest in meaning to
 - a. Love 0
 - b. Like
 - c. Dislike
 - d. Interest
- 6. What is the main idea of the second paragraph?
 - a. Ida's physical appearence
 - b. Ida's personality
 - c. General information
 - d. Ida's height

The text entitled Beratan Lake is for question number 7-12

Beratan Lake

Bali has many toursim destinasions, one of them is Beratan Lake. It is located in Candikuning Village, Tabanan, Bali. Beratan Lake can be reached easily because it is on the way to Denpasar from Singaraja. People can reach it by using motor bike and car. The entering ticket is also cheap, it is only Rp. 15.000 for local visitor.

The main attraction of this place is the lake. The lake is still natural with mountain panomara in the east part. In the west part, there are two temples, Ulun Danu Beratan dan Dalem temple. The main part of Ulun Danu temple is located in the lake. It looks like floating on the lake. However, we can not enter the temple. We just can see it from the outside.

In the south part is recreational part. Here, we can rent floating duct, speedboat, and fishing. You have to pay more if you want to use the facilities. The floating duck is more expensive than speed boat because it can only be occupied by two persons. The ticket for the floating duct is Rp.100.000 for one hour. You can also rent fishing equipments if the don't bring them. After enjoying them, you can visit culinary stand in the west part. There are many kinds of food sold, such as : bakso (meat ball), goat satay, rabbit satay, fried chicken, etc.

- 7. What is the main idea of the first paragraph?
 - a. General description of Beratan Lake
 - b. Beratan Lake is located in Tabanan Regency
 - c. The price of entering ticket to Beratan Lake
 - d. Easy accessto reach Beratan Lake
- 8. "<u>It</u> looks like floating...." (2nd paragraph 5th sentence). The underlined word refers to....
 - a. Beratan Lake
 - b. Ulun Danu Temple
 - c. The main part of Ulun Danu temple
 - d. Dalem temple
- 9. How much should five people pay to enter Beratan Lake?
 - a. Rp. 15.000
 - b. Rp. 30.000
 - c. Rp. 60.000
 - d. Rp. 75.000
- 10. What can you enjoy in the south part of Beratan Lake?
 - a. Beautiful panorama
 - b. Ulun Danu temple
 - c. Recreational site
 - d. Dalem temple
- 11. "...have to <u>pay</u> more if..." (3rd paragraph, 3rd sentence). The opposite meaning of the underlined word is....
 - a. Sell
 - b. Borrow
 - c. Buy
 - d. Give
- 12. You can get the attractions in Beratan Lake, except....
 - a. Temple
 - b. Garden
 - c. Culinary
 - d. Mountain panorama

The text entitled Travelling to Lembongan Island is for question number 13-18

Travelling to Lembongan Island

To enjoy long school vocation last month, my family and I visited Lembongan Island. It is actually part of Bali Province, but the location is accross the sea. We went there in the morning. At 8 AM, we arrived in Sanur harbour. There, my father directly bought ticket for 5 persons. The price is just Rp. 65.000 per person for adult (my father and mother) and Rp. 50.000 for me and older brothers. Before going to the speed boat, we enjoyed sunrise and balinese cakes near the ticket service. Finally, we boarded and went to Lembongan Island at 8.30 AM.

Finally, we arrived in Mushroom Harbour in Lembongan at 9 AM. We directly went to villa which had been booked by my grand father. My father booked for two rooms, one room was for parent and one room for me and my siblings. I put my clothes firtsly, then I and my siblings went to swimming pool. We were so happy because the swimming pool was large. Then, we ordered fried rice and juices. At 11.00 AM, we stopped swimming and prepared for the next destination. At 12.00 AM, we visited Mangrove Harbour to meet Captain Bobo. We were going to see mangrove jungle by boat. After seeing mangrove jungle, we moved to the sea for snorkling. The captain helped us to wear our safety equipments. Then, we did snorkling to see fish and coral reefs. It was so beautiful. We finished snorkling around 5.00 PM and we directly changed our clothes. My father invited us to eat grilled fish in the restaurant near it. We were so happy at that time.

- 13. The second paragraph tells us about....
 - a. The beauty of Lembongan Island
 - b. Trip to Mangrove jungle
 - c. Snorkling in Lembongan Island
 - d. The writer's activity in Lembongan Island
- 14. "<u>It</u> is actually part of Bali Province..." (1st paragraph, 2nd sentence). The underlined word refers to....
 - a. Lembongan Island
 - b. Long school vacation
 - c. Mushroom Harbour
 - d. Sanur Harbour
- 15. How much should my parent pay for them?
 - a. Rp. 65.000
 - b. Rp. 130.000
 - c. Rp. 50.000
 - d. Rp. 280.000

- 16. The writer and his family did many activities in Lembongan Island, except....
 - a. Grilling fish
 - b. Snorkling
 - c. Visiting mangrove jungle
 - d. Swimming in the pool
- 17. "....to see mangrove jungle by boat" (2nd paragraph, 9th sentence). The underlined word has the closest meaning to....
 - a. Sea
 - b. Harbour
 - c. Coral reef
 - d. Forest
- 18. What is the purpose of the text?
 - a. To tell the past event
 - b. To describe a place
 - c. To entertaint the reader
 - d. To tell the procedure to do something

The text entitled My Lucky Day is for question number 19-24

My Lucky Day

Yesterday was a lucky day for me. In the morning, my mother cooked my favourite food, pizza. I really loved it because the toping was full of beef and vegetables. Then, I ate it fast because it was still warm. My mother was happy to see me eat the pizza. When I finished, my father invited me to pet farming. There, I helped my father to feed the chicken, duck, and goat. When I entered the duck cage, I saw many eggs. My father asked me to pick them up. I did and calculated the egg amount. I put them in the special place and cleaned them.

In the afternoon, my father and mother sold the eggs together with me to traditional market. My parent looked so happy when they recieved much money. My father asked "let's go to toys shop! You can freely buy toys you want". I was so surprised and happy to hear that. Then, I replied "really? I want to buy playstation". My parents agreed and we directly went to toy shop. Arriving in the toy shop, I directly chose playstation 3. I also bought 1 cassette containing of moto GP and football game. The shopassitant told me how to operate the playstation.

Then, we went home. Arriving at home, I directly set up my playstation. It successfully worked so I could play directly. However, my father told me that there was time limit to play. I was only allowed to play after studying and it was not more than 2 hours a day. I agreed and I was so happy because finally I had my dream toy.

- 19. What is the purpose of the text?
 - a. To tell the writer' real experience
 - b. To tell how the writer get playstation
 - c. To entertaint the reader about the writer's story
 - d. To describe the writer's playstation
- 20. "<u>My parent</u> looked so happy...." (2nd paragraph 2nd sentence). The underlined word refers to....
 - a. The writer's mother
 - b. The writer's father
 - c. The writer's father and mother
 - d. The writer and shopassitant
- 21. Which statement is true based on the text?
 - a. The writer should not study before palying playstation
 - b. The writer can play playstation freely
 - c. There is a rule for the writer to play playstation
 - d. The writer disagree to the rule of playing plastation
- 22. Why did the writer's father buy playstation for him?
 - a. He got much money when selling the egg
 - b. I liked playstation
 - c. My mother asked my father
 - d. The writer was happy
- 23. Who told the writer the way to operate the playstation 3?
 - a. The writer's father
 - b. The shopassisstant
 - c. The writer's mother
 - d. The writer's parent
- 24. "...with me to <u>traditional</u> market". The underlined word has opposite meaning to....
 - a. Old
 - b. Classic
 - c. Modern
 - d. Ancient

The conversation below is for question number 25-30

- Mira : I hear that Bayu gets 100 for math test. Is that right?
- Devi : No, he only gets 90. He makes 1 mistake. How about you?
- Gita : I gets 100. I really study hard for it.
- Mira : congratulation, you are great. I only get 85. It is very difficult for me.
- Devi : don't be worry! I also get 85. It is difficult also for me.
- Mira : Gita, can I borrow your math examination? I want to learn in which part I make mistake.

Gita : sure, I will give you in the class because I put it in my bag.

- Mira : thank you, let's order food and drink now!
- Gita : I only order drink.
- 25. What are the speakers talking about?
 - a. Math test score
 - b. Bayu
 - c. Math test difficulty
 - d. Food and drink
- 26. "<u>It</u> is very difficult for me". (Mira's utterance). The underlined word refers to....
 - a. Mira's math score
 - b. Math test
 - c. Math score
 - d. Mistake
- 27. Which statement is true based on the text?
 - a. The conversation is done in the library
 - b. Devi is cleverer than Bayu
 - c. Gita is the cleverest student in math
 - d. Gita order certain food
- 28. Why does Mira want to borrow Gita's test?
 - a. She wants to learn it
 - b. She wants to give to Devi
 - c. Gita is cleverer than her
 - d. Mira loves Gita's writing
- 29. Where will Gita give her math test result?
 - a. In the classroom
 - b. In the library
 - c. In the canteen
 - d. In her house
- 30. "He makes 1 mistake". The underlined word has closest meaning to....
 - a. Wrong
 - b. True
 - c. Correct
 - d. Right

Note : * the red items are invalid so the items are excluded

Appendix 2 : Validation Process

No	Students Code						•
		1	2	3	4	5	
1	A01	0	1	0	1	1	
2	A02	1	1	1	1	1	
3	A03	0	1	0	1	0	
4	A04	1	1	1	0	1	
5	A05	0	0	0	0	1	
6	A06 🥖	1	0	1	0	1	
7	A07	0	0	0	0	1	
8	A08	1			1	1	
9	A09	0	1	1	0	0	
10	A10	1	0	1	1	1	
11	A11	1	5.1	0	1	0	2
12	A12	0 <	0	1	0	0	7
13	A13	1	1	/ /1.6	1	-1	
14	A14		1	0	0	0	
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16	A16	1	0	1	0	1	
17	A17	1	0		0	1	1.8
18	A18	1		1	1	0	San P
19	A19	1	0	0	1	1	
20	A20	1	0	1	1	0	
21	A21	0	1	1	0	1	
22	A22	1	1	1	1	0	
23	A23	0	1	1	1	1	
24	A24	1	0	\$1	0	0	
25	A25	1	1	1	1	1	
26	A26	1	0	0	0	1	
27	A27	0	0	1	1	0	
28	A28	1	1	1	1	1	
29	A29	0	1	1	1	1	
30	A30	1	1	1	1	1	
31	A31	1	1	1	1	1	
32	A32	1	1	0	1	0	
33	A33	1	1	1	0	1	
34	A34	0	0	0	0	1	

1. Item Validity

35	A35	1	0	1	0	1
36	A36	0	0	0	0	1
37	A37	1	1	1	1	1
38	A38	0	0	0	1	0
39	A39	1	0	0	0	1
40	A40	0	0	0	0	0
	Total Benar	25	21	26	22	26
	р	0,625	0,525	0,65	0,55	0,65
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1	1	0	1	0	1	1	1	1
1	1	0	1	0	0	1	1	1
1	1	1	0	1	1	0	0	1
1	1	1	1	1	1	1	1	1
1	1	1	0	1	0	0	1	1
1	1	1	1	1	1	1	1	1
1	1	1	1	1	0	0	1	1
0	0	0	0	0	1	1	1	1
1	1	1	0	1	0	0	0	1
1	1	1	0	1	0	1	1	1
1	1	0	1	0	1	0	0	1
1	1	1	0	1	1	0	1	1

1	1	1	0	1	1	1	1	1
0	0	1	1	1	0	1	0	0
1	1	1	1	1	1	0	1	1
0	0	0	1	0	1	1	0	1
1	1	1	0	1	0	0	1	0
1	1	0	1	0	1	1	1	1
0	1	0	0	0	0	0	0	0
0	0	1	0	1	1	0	0	1
1	1	1	1	1	1	1	1	0
0	0	0	1	0	1	1	1	1
1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	0	0	0
0	1	1	1	1	0	1	1	1
0	0	0	0	0	0	1	0	0
1	0	- 1	0	1	0	1	1	0
0	0	0	0	0	0	1	1	0
1	1	1	100	1	1	1	1	1
0	0	0	0	0		0	0	0
0	0	1.8	0	1	0	1	1	1
0	0	0	0	0	0	1	0	0
<mark>26</mark>	27	26	21	26	22	27	27	27
<mark>0,</mark> 65	0,675	0,65	0,525	0,65	0,55	0,675	0, <mark>67</mark> 5	0,675
0,35	0,325	0,35	0,475	0,35	0,45	0,325	0 <mark>,3</mark> 25	0,325
20,2308	22,1111	21,4231	23,8095	21,4231	22,3182	20,2593	<mark>21,6</mark> 667	22,5556
18,725	18,725	18,725	18,725	18,725	18,725	18,725	18,725	18,725
7,87071	7,87071	7,87071	7,87071	7,87071	<mark>7,87</mark> 071	7,87071	<mark>7,</mark> 87071	7,87071
0,26072	0,62001	0,46716	0,67916	0,46716	0,50471	0,28093	0,53863	0,70139
0,312	0,312	0,312	0,312	0,312	0,312	0,312	0,312	0,312
Invalid	Valid	Valid	Valid	Valid	Valid	Invalid	Valid	Valid
6	7	8	9	10	11	12	13	14

15	16	17	18	19	20	21	22	23
1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1
0	0	0	0	1	1	0	0	1
1	1	1	1	1	1	1	1	1

0	0	1	0	0	0	0	0	0
1	1	1	1	0	0	1	1	0
1	0	1	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1
1	1	0	1	1	1	1	1	1
1	1	1	1	0	0	1	1	0
1	1	0	1	0	1	1	1	0
1	1	0	0	0	0	1	1	0
1	1	1	0	1	1	1	1	1
0	1	0	1 🤞	1	1	1	1	1
0	1	0	1	0	0	1	1	0
0	1	1	1	0	0	1	1	0
1	1	1	0	1	0	1	1	1
1	1	0	1	0	1	1	1	0
1	1	1	0	0	0	1	1	0
1	1	0	1	1	0	1	1	1
1	0	1	1	A 1	1	0	0	1
0	14	0	10	1	1	1	1	1
1	1	1 6		1	4	1	1	1
1	0	0	1	0	0	0	0	0
1	0	1	1	1	1	1	0	1
0	1	1	0	-0	0	0	1	0
0	1	0	-1//	0	0	1	0	0
1	0	1	0	1	<1	0	0	1
1	0	1	1	1	1	1	1	1
1	1	1	1	1	1	0	1	1
1	1	1	1	1	1	1	1	1
0	0	0	0	1	1	0	0	1
1	1	1	1	1	1	1	1	1
0	0	1	0	- 13	0	0	0	1
1	1	1	1	0	0	1	1	0
1	0	1	1	0	0	0	0	0
0	1	1	0	1	1	1	1	1
0	0	0	1	0	0	0	0	0
1	1	1	0	1	0	1	1	1
0	0	0	1	0	0	0	0	0
27	27	26	27	23	21	27	27	23
0,675	0,675	0,675	0,675	0,575	0,525	0,675	0,65	0,575
0,325	0,325	0,325	0,325	0,425	0,475	0,325	0,35	0,425
21,3333	21,7407	22,1481	19,9259	22,9565	23,8095	22,1481	20,2308	22,9565
18,725	18,725	18,725	18,725	18,725	18,725	18,725	18,725	18,725

7,87071	7,87071	7,87071	7,87071	7,87071	7,87071	7,87071	7,87071	7,87071
0,47759	0,55219	0,62679	0,21989	0,62535	0,67916	0,62679	0,26072	0,62535
0,312	0,312	0,312	0,312	0,312	0,312	0,312	0,312	0,312
Valid	Valid	Valid	Invalid	Valid	Valid	Valid	Invalid	Valid
15	16	17	18	19	20	21	22	23
							MI	MI2
24	25	26	27	28	29	30		
1	1	1	1	1	1	0	27	729
1	1	1	1	1	1	1	30	900
0	1	1	1	0	1	0	15	225
1	1	0	0	1	1	1	26	676
0	0	0	0	1	0	0	4	16
1	1	0	0	1	0	1	20	400
0	0	0	0	1	0	0	6	36
1	1	1	1	1	1	1	28	784
1	1	0	0	- 1	1	0	20	400
1	1	1	1	0	0	1	21	441
1	1	1	1	1	0	1	24	576
1	f	0	0	0	0	0	13	169
1	1	1	1		1	1	29	841
1	1	0	0	0	1	1	20	400
1	0	1	1	1	0	0	14	196
1	1	0	0	0	0	1	16	256
1	1	0	0	1	1	1	22	484
1	1	1	1	0	0	1	20	400
1	1	1	1	0	0	1	20	400
1	1	1	1	1	1	1	25	625
0	0	0	0	1	1	0	15	225
1	1	1	1	0	1	1	25	625
1	0	1	1	1	1	0	22	484
0	1	0	0	0	0	1	11	121
1	1	1	1	1	1	1	26	676
1	0	0	0	0	0	1	8	64
0	0	1	1	0	0	0	11	121
0	1	1	1	1	1	1	24	576
1	0	1	1	1	1	0	22	484
1	1	1	1	1	1	1	29	841
0	1	1	1	1	1	1	29	841
0	1	1	1	0	1	1	17	289

1	0	0	0	1	1	1	24	576
0	0	0	0	1	1	0	7	49
1	1	0	0	1	0	1	18	324
0	0	0	0	1	0	0	7	49
1	1	1	1	1	1	1	28	784
0	0	1	1	0	0	0	5	25
1	0	0	0	1	1	1	18	324
0	0	0	0	1	0	0	3	9
27	26	22	22	27	23	25	749	16441
0,675	0,65	0,55	0,55	0,675	0,575	0,625		
0,325	0,35	0,45	0,45	0,325	0,425	0,375		
22,037	22,4231	22,3182	22,3182	20,2593	22,9565	22,32		
18,725	18,725	18,725	18,725	18,725	18,725	18,725		
7,87071	7,87071	7,87071	7,87071	7,87071	7,87071	7,87071		
0,60645	0,6403	0,50471	0,50471	0,28093	0,62535	0,58967		
0,312	0,312	0,312	0,312	0,312	0,312	0,312	0	
Valid	Valid	Valid	Valid	Invalid	Valid	Valid		
24	25	26	27	28	29	30	Contraction of the second	

Item Validity Test by Point Biserial Formula

-		N 197 AL 19			
No	Item	rcounted	r- critical	Note	Decision
1	Item 1	0,58967	0,312	Valid	Used
2	Item 2	0,67916	0,312	Valid	Used
3	Item 3	0,54041	0,312	Valid	Used
4	Item 4	0,50471	0,312	Valid	Used
5	Item 5	0,6403	0,312	Valid	Used
6	Item 6	0,26072	0,312	Invalid	Excluded
7	Item 7	0,62001	0,312	Valid	Used
8	Item 8	0,46716	0,312	Valid	Used
9	Item 9	0,67916	0,312	Valid	Used
10	Item 10	0,46716	0,312	Valid	Used
11	Item 11	0,50471	0,312	Valid	Used
12	Item 12	0,28093	0,312	Invalid	Excluded
13	Item 13	0,53863	0,312	Valid	Used
14	Item 14	0,70139	0,312	Valid	Used
15	Item 15	0,47759	0,312	Valid	Used
16	Item 16	0,55219	0,312	Valid	Used
17	Item 17	0,62679	0,312	Valid	Used
18	Item 18	0,21989	0,312	Invalid	Excluded

19	Item 19	0,62535	0,312	Valid	Used
20	Item 20	0,67916	0,312	Valid	Used
21	Item 21	0,62679	0,312	Valid	Used
22	Item 22	0,26072	0,312	Invalid	Excluded
23	Item 23	0,62535	0,312	Valid	Used
24	Item 24	0,60645	0,312	Valid	Used
25	Item 25	0,6403	0,312	Valid	Used
26	Item 26	0,50471	0,312	Valid	Used
27	Item 27	0,50471	0,312	Valid	Used
28	Item 28	0,28093	0,312	Invalid	Excluded
29	Item 29	0,62535	0,312	Valid	Used
30	Item 30 🥖	0,58967	0,312	Valid	Used
	Valid	25			
	Invalid	5	NDE		

IKSHA

2. Reliability

No	Students Code						
		1	2	3	4	5	
1	A01	0	1	0	1	1	
2	A02	1	1	1	1	1	
3	A03	0	1	0	1	0	
4	A04	1	1	1	0	1	
5	A05	0	0	0	0	1	
6	A06	1	0	1	0	1	
7	A07	0	0	0	0	1	
8	A08	1	1	1	1	1	
9	A09	0	1	1	0	0	
10	A10	1	0	1	1	1	
11	A11	1	1	0	1	0	
12	A12	0	0	1	0	0	à
13	A13	1	1	1	1	1	
14	A14	1	1	0	0	0	
15	A15	0	0	1	1	0	
16	A16	1	0	1	0	1	
17	A17	1	0	1	0	1	
18	A18	1	1 1	1	1	0	
19	A19	1	0	0	1	1	
20	A20	1	0	1	1	0	
21	A21	0	1	1	0	1	/
22	A22	1	1	1	1	0	
23	A23	0	1	1	1	1	
24	A24	1	0	1	0	0	
25	A25	1	1	1	1	1	P
26	A26	1	0	0	0	1	
27	A27	0	0	\rightarrow \ge 1	1	0	
28	A28	1	1	1	1	1	
29	A29	0	1	1	1	1	
30	A30	1	1	1	1	1	
31	A31	1	1	1	1	1	
32	A32	1	1	0	1	0	
33	A33	1	1	1	0	1	
34	A34	0	0	0	0	1	
35	A35	1	0	1	0	1	
36	A36	0	0	0	0	1	
37	A37	1	1	1	1	1	
38	A38	0	0	0	1	0]

39	A39	1	0	0	0	1
40	A40	0	0	0	0	0
Т	otal Correct	25	21	26	22	26
	р	0,625	0,525	0,65	0,55	0,65
	q	0,375	0,475	0,35	0,45	0,35
	Deviation					
	Standard	6,94553	6,94553	6,94553	6,94553	6,94553
	p*q	0,234375	0,249375	0,2275	0,2475	0,2275
	∑p*q	5,840625				
RI	eliability	0,915549				
				Contraction of the second		

7	8	9	10	11	13	14	15	16			
1	1	1	1	1	1	1	1	1			
1	1	1	1	1	1	1	1	1			
1	1	1	1	1	0	0	0	0			
1	1	1	1	0	1	1	1	1			
0	0	0	0	0	0	0	0	0			
1	1	0	1	0	1	1	1	1			
0	0	0	0	0	1	0	1	0			
1	0	1	0	1	1	11	1	1			
1	0	1	0	0	1	1	1	1			
1	1	0	16. 1	1	0	1	1	1			
1	1	1	1	1	1	1	1	1			
1	1	0	1	0	1	1	1	1			
1	1	1	1	1	3 1	1	1	1			
1	1	1	1	0	1	1	0	1			
0	0	0	0	1	1	1	0	1			
1	1	0	1	0	0	1	0	1			
1	1	0	1	0	1	1	1	1			
1	0	.1	0	1	0	1	1	1			
1	1	0	1	1	1	1	1	1			
1	1	0	1	1	1	1	1	1			
0	1	1	1	0	0	0	1	0			
1	1	1	1	1	1	1	0	1			
0	0	1	0	1	0	1	1	1			
1	1	0	1	0	1	0	1	0			
1	0	1	0	1	1	1	1	0			
1	0	0	0	0	0	0	0	1			
0	1	0	1	1	0	1	0	1			
1	1	1	1	1	1	0	1	0			
0	0	1	0	1	1	1	1	0			
1	1	1	1	1	1	1	1	1			

1	1	1	1	1	1	1	1	1		
1	1	1	1	1	0	0	0	0		
1	1	1	1	0	1	1	1	1		
0	0	0	0	0	0	0	0	0		
0	1	0	1	0	1	0	1	1		
0	0	0	0	0	1	0	1	0		
1	1	1	1	1	1	1	0	1		
0	0	0	0	1	0	0	0	0		
0	1	0	1	0	1	1	1	1		
0	0	0	0	0	0	0	0	0		
27	26	21	26	22	27	27	27	27		
0,675	0,65	0,525	0,65	0,55	0,675	0,675	0,675	0,675		
0,325	0,35	0,475	0,35	0,45	0,325	0,325	0,325	0,325		
6,94553	6,94553	<mark>6,94553</mark>	6,94553	6,94553	6,9455 <mark>3</mark>	<u>6,</u> 94553	6,94553	6,94553		
0,219375	0 <mark>,2</mark> 275	0,249375	0,2275	0,2475	0,219375	0,21 <mark>93</mark> 75	0,219375	0,219375		
	STAN A MA									

	8 6	100			11 P. (1 2	
17	19	20	21	23	24	25	12
1	1	1	1	1	1	1	
1	1	1		1/1	1	1	1
0	1	1	0	1	0	1	
1	1	1	1	1	1	1	
1	0	0	0	0	A) 0	0	
1	0	0	1	0	1	1	
1	0	0	0	0	0	0	1
1	1	1	1	1	1	1	1
0	1	1	1	1	1	1	
1	0	0	1	0	1	1	
0	0	1	1	0	1	1	1
0	0	0	1	0	1	1	
1	1	1	1	1	1	1	
0	1	1	1	1	1	1	
0	0	0	1	0	1	0	
1	0	0	1	0	1	1	
1	1	0	1	1	1	1	
0	0	1	1	0	1	1	
1	0	0	1	0	1	1	
0	1	0	1	1	1	1	
1	1	1	0	1	0	0	
0	1	1	1	1	1	1	
1	1	1	1	1	1	0	
0	0	0	0	0	0	1	
1	1	1	1	1	1	1	

1	0	0	0	0	1	0				
0	0	0	1	0	0	0				
1	1	1	0	1	0	1				
1	1	1	1	1	1	0				
1	1	1	0	1	1	1				
1	1	1	1	1	0	1				
0	1	1	0	1	0	1				
1	1	1	1	1	1	0				
1	1	0	0	1	0	0				
1	0	0	1	0	1	1				
1	0	0	0	0	0	0				
1	1	1	1	1	1	1				
0	0	0	0	0	0	0				
1	1	0	1	1	1	0				
0	0	0	0	0	0	0				
26	23	21	27	23	27	26				
0,65	0,575	0,525	0,675	0,575	0,675	0,65				
0,35	0,425	0,475	0,325	0,425	0,325	0,35				
6 <mark>,9</mark> 4553	6,94553	6,94553	6,9 <mark>4</mark> 553	6,94553	6,94553	6,94553				
0 <mark>,2</mark> 275	0,244375	0,249375	0,219375	0,244375	0,219375	0,2275				
			Time II	100	120					

			111	1	
			115	MI	MI2
26	27	29	30		
1	1	1	0	22	484
1	1		1	25	625
1	1	1	0	14	196
0	0	1	1	21	441
0	0	0	0	2	4
0	0	0	1	15	225
0	0	0	0	4	16
1	1	1	1	23	529
0	0	1	0	15	225
1	1	0	1	18	324
1	1	0	1	19	361
0	0	0	0	11	121
1	1	1	1	25	625
0	0	1	1	17	289
1	1	0	0	10	100
0	0	0	1	13	169
0	0	1	1	18	324
1	1	0	1	17	289
1	1	0	1	18	324

1	1	1	1	20	400
0	0	1	0	12	144
1	1	1	1	22	484
1	1	1	0	18	324
0	0	0	1	9	81
1	1	1	1	22	484
0	0	0	1	7	49
1	1	0	0	10	100
1	1	1	1	21	441
1	1	1	0	18	324
1	1	1	1	24	576
1	1	1	1	24	576
1	1	1	1	16	256
0	0	1	1	20	400
0	0	1.	0	5	25
0	0	0	1	13	169
0	0	0	0	4	16
1	1	1	1	24	576
1	-1	0	0	4	16
0	0	1	1	15	225
0	0	0	0	0	0
22	22	23	25	Call 1	
<mark>0,55</mark>	0,55	0,575	0,625	A	V^{s}
<mark>0</mark> ,45	0,45	0,425	0,375	TITLES	
6,94 <mark>5</mark> 53	6,94553	6,94553	6,9 <mark>45</mark> 53	THER	
0,2475	0,2475	0,244375	0,234375	1	

Reliability Testing by KR21

$$r_{11} = \left(\frac{n}{n-1}\right) \left(\frac{S^2 - \sum pq}{S^2}\right)$$
$$r11 = \left(\frac{25}{25 - 1}\right) \left(\frac{6,95^2 - 5,84}{6,95^2}\right)$$

r₁₁ = 0,92

This value means that the tes has very high reliability

3. Level of Difficulty

No	Students Code						-
		1	2	3	4	5	
1	A01	0	1	0	1	1	
2	A02	1	1	1	1	1	
3	A03	0	1	0	1	0	
4	A04	1	1	1	0	1	
5	A05	0	0	0	0	1	
6	A06	1	0 🍐	1	0	1	
7	A07	0	0	0	0	1	
8	A08	1	1	1	1	1	
9	A09	0	1	1	0	0	
10	A10	1	0	1	1	1	
11	A11	1	1	0	1	0	
12	A12	0	0	1	0	0	
13	A13	1	1	1	1 1	1	2.
14	A14	1	1 ()	0	0	0	
15	A15	0	0	1	1	0	
16	A16	1	0		0	1	
17	A17	1	0	1	0	1	
18	A18	1	1	1	1	0	
19	A19	1	0	0	A1	1	
20	A20	1	0	1	1	0	
21	A21	0	1	1	0	1	1
22	A22	1	1	1		0	
23	A23	0	1	1	1	1	
24	A24	1	0	1	0	0	
25	A25	1	1	1	1	1	6
26	A26	1	0	0	0	1	
27	A27	0	0	1	1	0	
28	A28	1	1	7 1 🚺	1	1	
29	A29	0	1	1	1	1	
30	A30	1	1	1	1	1	
31	A31	1	1	1	1	1	
32	A32	1	1	0	1	0	
33	A33	1	1	1	0	1	
34	A34	0	0	0	0	1	
35	A35	1	0	1	0	1	
36	A36	0	0	0	0	1	
37	A37	1	1	1	1	1	
38	A38	0	0	0	1	0	
39	A39	1	0	0	0	1	J

40	A40	0	0		0	0	0	
Toto	ıl Benar	2	25	21		26	22	26
	I	0,62	25 0,5	25	0,	65 0	,55 0	,65
Kete	erangan	Avera	ge Avera	ge	Avera	ge Avera	age Avera	ige
7	8	9	10		11	13	14	15
1	1	1	1		1	1	1	1
1	1	1	1		1	1	1	1
1	1	1	1	A	1	0	0	0
1	1	1	1		0	1	1	1
0	0	0	0		0	0	0	0
1	1	0	1		0	1	1	1
0	0	0	0		0	1	0	1
1	0	1	0		1	1	1	1
1	0	1	0		0	1 /	1	1
1	1	0	1		1	0	1	1
1 🥖	1	1	1	ÉÀ	1	1	1	1
1	1	0	1	23.	0	1	1	1
1	1	1	1		1	1	1	1
1	1	1	1		0	1	1	0
0	0	0	0		1	1	1	0
1	1	0	1		0	0	1	0
1	1	0	1		0	1	1	1
1	0	1	0		1	0	1	1
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1	1	0	1		1	1	1	1
0	1	1	1		0	0	0	1
1	1	1	1		1	1	1	0
0	0	1	0		1	0	1	1
1	1	0	1		0	1	0	1
1	0	1	0	6	1	1	1	1
1	0	0	0		0	0	0	0
0	1 🏴	0	1	A	1	0	1	0
1	1	1	1		1	1	0	1
0	0	1	0		1	1	1	1
1	1	1	1		1	1	1	1
1	1	1	1		1	1	1	1
1	1	1	1		1	0	0	0
1	1	1	1		0	1	1	1
0	0	0	0		0	0	0	0
0	1	0	1		0	1	0	1
0	0	0	0		0	1	0	1

		I	1	I	1	1	Ì
1	1	1	1	1	1	1	0
0	0	0	0	1	0	0	0
0	1	0	1	0	1	1	1
0	0	0	0	0	0	0	0
27	26	21	26	22	27	27	27
0,675	0,65	0,525	0,65	0,55	0,675	0,675	0,675
Average							
16	17	19	20	21	23	24	25
1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1
0	0	1	1	0	1	0	1
1	1	1	1	1	1	1	1
0	1	0	0	0	0	0	0
1	1	0	0	1	0	1	1
0	1	0	0	0	0	0	0
1	1	1	1	1	1	1	1
1	0	1	1	1	1	1	1
1	1	0	0	1	0	102	1
1	0	0 🚫		1	0	1	1
1	0	0	0	1	0	1	1
1	1	1	1	1	1	1	1
1	0	1	1	1	1	1	1
1	0	0	0	1	0	1	0
1	1	0	0	1	0	1	1
1	1	1	0	1	1	1	1
1	0	0	1	1	0	1	1
1	1	0	0	1	0	1	1
1	0	1	0	1	1	1	1
0	1	1	1	0	_ 1	0	0
1	0	1	1	1	1	1 🖉	1
1	1	1	1	1	1	1	0
0	0 📂	0	0	0	0	0	1
0	1	1	1	1	1	1	1
1	1	0	0	0	0	1	0
1	0	0	0	1	0	0	0
0	1	1	1	0	1	0	1
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1	1	1	1	1	1	0	1
0	0	1	1	0	1	0	1
1	1	1	1	1	1	1	0

0	1	1	0	0	1	0	0
1	1	0	0	1	0	1	1
0	1	0	0	0	0	0	0
1	1	1	1	1	1	1	1
0	0	0	0	0	0	0	0
1	1	1	0	1	1	1	0
0	0	0	0	0	0	0	0
27	26	23	21	27	23	27	26
0,675	0,65	0,575	0,525	0,675	0,575	0,675	0,65
Average							

		1		MI	MI2
26	27	29	30		
1	1	1	0	22	484
1	1	1	1	25	625
1	1	1	0	14	196
0 🥖	0	1	1	21	441
0	0	0	0	2	4
0	0	0	1	15	225
0	0	0	0	4	16
1	1	1	1	23	529
0	0	1	0	15	225
1	1	0	1	18	324
1	1	0	1	19	361
0	0	0	0	11	121
1	1	1	1	25	625
0	0	1	1	17	289
1	1	0	0	10	100
0	0	0	1	13	169
0	0	1/1/	1	18	324
1	1	0	1	17	289
1	1	0	1	18	324
1	1 🃂	1	1	20	400
0	0	1	0	12	144
1	1	1	1	22	484
1	1	1	0	18	324
0	0	0	1	9	81
1	1	1	1	22	484
0	0	0	1	7	49
1	1	0	0	10	100
1	1	1	1	21	441
1	1	1	0	18	324

1	1	1	1	24	576
1	1	1	1	24	576
1	1	1	1	16	256
0	0	1	1	20	400
0	0	1	0	5	25
0	0	0	1	13	169
0	0	0	0	4	16
1	1	1	1	24	576
1	1	0	0	4	16
0	0	1	1	15	225
0	0	0	0	0	0
22	22	23	25	1	COLUMN TO A LOCAL
0,55	0,55	0,575	0,625		
Average	Average	Average	Average	BTR.	



Level of Difficulty

No	Item	Ι	Note	Decision
1	1	0,025	Average	Used
2	2	0,05	Average	Used
3	3	0,075	Average	Used
4	4	0,1	Average	Used
5	5	0,125	Average	Used
6	7	0,175	Average	Used
7	8	0,2	Average	Used
8	9	0,225	Average	Used
9	10	0,25	Average	Used
10	11	0,275	Average	Used
11	13	0,325	Average	Used
12	14	0,35	Average	Used
13	15	0,375	Average	Used
14	16	0,4	Average	Used
15	17	0,425	Average	Used
16	19	0,475	Average	Used
17	20	0,5	Average	Used
18	21	0,525	Average	Used
19	23	0,575	Average	Used
20	24	0,6	Average	Used
21	25	0,625	Average	Used
22	26	0,65	Average	Used
23	27	0,675	Average	Used
24	29	0,725	Average	Used
25	30	0,75	Average	Used
115	Difficult	25		14
	Average	0	KSE	
	Easy	0	K S B	

4. Descrimination Index

No	Students Code						
		1	2	3	4	5	
1	A02	1	1	1	1	1	
2	A13	1	1	1	1	1	
3	A30	1	1	1	1	1	
4	A31	1	1	1	1	1	
5	A37	1	1	1	1	1	
6	A08	1	1	1	1	1	
7	A22	1	1	1	1	0	
8	A25	1	1	1	1	1	
9	A01	0	1	0	1	1	
10	A28	1	1	1	1	1	
11	A04	1	1	1	0	1	
12	A20	1	0		1	0	
13	A33	1	1	1	0	1	
14	A11	1		0	1	0	
15	A10	1	0	1	1	1	178
16	A17	1	0	1	0	1	1
17	A19	1	0	0	1	1	
1 <mark>8</mark>	A23	0	1	1	1	1	
1 <mark>9</mark>	A29	0	1	14	1	1	
2 <mark>0</mark>	A14	1	1	0	0	0	
21	A18	1	1	1	1	0	
22	A32	1	1	0	1	0	
23	A39	1	0	0	0	1	
24	A09	0	1	1	0	0	
25	A06	1	0	1	0	1	
26	A03	0	1	0	1	0	
27	A16	1	0	1	0	1	
28	A35	1	0	1	0	1	
29	<mark>A</mark> 21	0	1	1	0	1	
30	A12	0	0	1	0	0	
31	A15	0	0	1	1	0	
32	A27	0	0	1	1	0	
33	A24	1	0	1	0	0	
34	A26	1	0	0	0	1	
35	A34	0	0	0	0	1	
36	A07	0	0	0	0	1	
37	A36	0	0	0	0	1	
38	A38	0	0	0	1	0	
39	A05	0	0	0	0	1	

40	A40	0	0	0	0	0
TOTAL JA	WABAN BENAR	25	21	26	22	26
	JA	11	11	11	11	11
	JB	11	11	11	11	11
	BA	10	11	10	10	10
	BB	2	0	4	3	5
	PA	0,909091	1	0,909091	0,909091	0,909091
	PB	0,181818	0	0,363636	0,272727	0,454545
	D	0,727273	1	0,545455	0,636364	0,454545
	KET	VG	VG	VG	VG	VG

VG : Very Good

A: Average + Revision

- L : Less + Revision
- B: Bad + excluded

	a con		Jerenn	1	V. 0.3		
6	7	8	9	10	11	12	13
1	1	1	1	1	1	1	1
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1	0	1	0	1	1	1	1
1	1	1	1	1	1	1	0
1	0	1	0	1	1	1	1
1	1	1	1	1	1	1	1
1	1	1	1	1	1	0	1
1	1	1	1	0	1	1	1
1	1	0	1	1	1	1	1
1	1	1	1	0	1	1	1
1	1	1	1	1	1	1	1
1	1	0	1	- E 🕻	0	1	1
1	1	0	1	0	1	1	1
1	1	0	1	1	1	1	1
0	0	1	0	1	0	1	1
0	0	1	0	1	1	1	1
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1	1	1	1	1	0	0	0

PENDIDIRA

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1	1	0	1	0	1	0	1
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0	0	0	0	0	0	0	0
0	0	0	0	0	1	0	1
0	0	0	0	0	1	0	1
0	0	0	0	1	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
27	26	20	26	22	27	27	27
11	11	11	11	11	11	11	11
11	11	11	11	11	11	11	11
11	9	11	- 9	10	11	10	9
3	- 3	0	3	-3	5	3	4
	0,81818		0,81818	0,90909	A	0,90909	0,8 <mark>18</mark> 18
1	2	1	2	1	1	1	2
0,2 <mark>7</mark> 272			0,27272	0,27272			0,3 <mark>6</mark> 363
7	7	0	7	7	5	7	6
0,72727	0,54545 5	1	0,54545 5		0,54545 5		0,4 <mark>5</mark> 454 5
VG	VG	VG	VG	4 VG	VG	4 VG	VG
			10	70		70	

				20 A U 19 (C)			
14	15	16	17	18	19	20	21
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1	1	1	1	1	1	1	1
1	1	1	1	0	1	1	1
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1	1	1	1	1	1	1	1
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1	0	1	1	1	1	1	1
0	1	1	1	1	1	1	1
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1	1	1	1	1	1	1	1
1	0	1	0	1	1	1	1
1	1	1	1	1	1	1	0
1	0	0	1	1	0	1	1
1	1	0	0	1	0	1	1

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	1		0	1	1		1
1	1	0	0	1	0	1	1
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0	1	1	1	1	1	1	0
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0	0	1	1	0	1	0	1
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0	0	1	1	0	1	0	1
1	1	0	0	1	0	1	1
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1	0	0	0	1	0	1	1
1	0	0	0	1	0	1	0
1	0	0	0	1	0	0	0
0	0	0	0	0	0	0	1
1	1	0	0	0	0	1	0
0	1	1	0	0	1	0	0
0	1	0	0	0	0	0	0
0	1	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0
0	0	0	0	0	0	0	0
27	26	23	21	27	23	27	26
11	11	11	11	11	11	11	11
11	11	11	11	11	11	11	11
9	10	11	11	9	11	9	11
4	5	1	0	3	1	3	2
0,81818	0 <mark>,9</mark> 0909	(Dis	E.	0,81818	2013	0,8 <mark>18</mark> 18	
2	1	1	1	2	1	2	1
0,36363	0,45 <mark>4</mark> 54	0,09090		0,27272	0,09090	0 <mark>,2</mark> 7272	0,18181
6	5	9	0	7	9	7	8
0,45454 5	0,45454 5	0,90 <mark>909</mark>	1	0,54545 5	0,90909	0,54545 5	0,81818 2
		1	1		1		2
VG	VG	VG	VG	VG	VG	VG	VG

				MI	MI2
22	23	24	25		
1	1	1	1	25	625
1	1	1	1	25	625
1	1	1	1	24	576

$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	76 76 29 84 84 84 84 41
1 1 1 1 23 55 1 1 1 1 22 44 1 1 1 1 22 44 1 1 1 1 22 44 1 1 1 0 22 44 1 1 1 0 22 44 1 1 1 1 21 44 0 0 1 1 20 44 1 1 1 20 44	29 84 84 84 84 41
1 1 1 1 22 44 1 1 1 1 22 44 1 1 1 1 22 44 1 1 1 0 22 44 1 1 1 1 21 44 0 0 1 1 21 44 1 1 1 1 20 44	84 84 84 41
1 1 1 1 22 44 1 1 1 0 22 44 1 1 1 0 22 44 1 1 1 1 21 44 0 0 1 1 21 44 1 1 1 1 20 44	84 84 41
1 1 1 0 22 44 1 1 1 1 21 44 0 0 1 1 21 44 1 1 1 21 44 1 1 1 21 44	84 41
1 1 1 21 44 0 0 1 1 21 44 1 1 1 1 21 44 1 1 1 1 20 44	41
0 0 1 1 21 44 1 1 1 1 20 44	
1 1 1 1 20 4	
	41
0 0 1 1 20 4	00
	00
1 1 0 1 19 3	61
1 1 0 1 18 3	24
0 0 1 1 18 3	24
1 1 0 1 18 3	24
1 1 1 0 18 3	24
1 1 1 0 18 3	24
0 0 1 1 17 2	89
1 1 0 1 17 2	89
1 1 1 1 16 2	56
0 0 1 1 15 2	25
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1 1 1 0 14 1	96
0 0 0 1 13 1	69
0 0 0 1 13 1	69
0 0 1 0 12 14	44
0 0 0 0 11 1	21
1 1 0 0 10 10	00
1 1 0 0 10 10	00
	31
	19
	25
	6
	6
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	4
	0
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	1
	1
10 10 11 10	_
0,909091 0,909091 1 0,909091	

0,272727	0,272727	0,090909	0,181818	
0,636364	0,636364	0,909091	0,727273	
VG	VG	VG	VG	

Discrimination Index

No	Item	D	Note	Decision
1	1	0,72727	VG	Used
2	2	1	👝 VG	Used
3	3	0,54545	VG	Used
4	4	0,63636	VG	Used
5	5	0,45455	VG	Used
6	7	0,72727	VG	Used
7	8	0,54545	VG	Used
8	9	1	VG	Used
9	10	0,54545	VG	Used
10	11	0,63636	VG	Used
11	13	0,54545	VG	Used
12	14	0,63636	VG	Used
13	15	0,45455	VG	Used
14	16	0,45455	VG	Used
15	17	0,45455	VG	Used
16	19	0,90909	VG	Used
17	20	<u>~1</u>	VG	Used
18	21	0,54545	VG	Used
19	23	0,90909	VG	Used
20	24	0,54545	VG	Used
21	25	0,81818	VG	Used
22	26	0,63636	VG	Used
23	27	0,63636	VG	Used
24	29	0,90909	VG	Used
25	30	0,72727	VG	Used
VG:	Very Good	25	200 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100	
A :	Average + Revision	0		
L :	Less + Revision	0		
B :	Bad + excluded	0		

Appendix 3 Data Analysis

100000020001124031000012040010012050001124061000124071111124080001012091111151001010111480111001024012100114801410101360151011148016101013601711000240200001124021110002402211000240231000124024111112402511000240261000 <th></th> <th>1</th> <th>6</th> <th>11</th> <th>16</th> <th>21</th> <th>Total</th> <th>Value</th>		1	6	11	16	21	Total	Value
3 1 0 0 0 1 20 4 0 0 1 0 0 1 20 5 0 0 0 1 1 20 6 1 0 0 1 1 20 7 1 1 1 1 1 20 9 1 1 1 1 1 20 9 1 1 1 1 1 20 9 1 1 1 1 1 4 10 1 0 1 1 4 11 1 0 1 1 4 12 1 0 0 1 0 13 1 0 1 1 4 13 1 0 1 1 4 14 1 0 1 1 4 16 1 0 1 1 4 16 1 1 1 1 2 16 1 1 1 1 2 10 0 0 1 2 40 21 1 1 0 0 2 21 1 1 0 0 2 22 1 1 0 0 2 23 1 0 0 0 2 24 1 1 1 1 2 22 1 1 <t< td=""><td>1</td><td>0</td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	1	0						
4 0 0 1 0 0 1 1 20 5 0 0 0 1 1 1 2 40 6 1 0 0 0 1 1 2 40 7 1 1 1 1 1 1 20 9 1 1 1 1 1 1 20 9 1 1 1 1 1 4 80 11 1 0 1 1 1 4 80 11 1 0 0 1 0 2 40 12 1 0 0 1 0 2 40 13 1 0 1 1 1 4 80 16 1 0 1 0 1 3 60 15 1 0 1 0 1 3 60 15 1 0 1 1 1 3 60 16 1 0 0 0 2 40 20 0 0 0 1 1 2 40 21 1 0 0 0 1 2 40 22 1 1 0 0 0 2 40 23 1 0 0 0 1 2 40 23 1 0 0 0 1 2	2	0	0	0	1	1	2	40
500011240610001240711111510080001012091111112091111114801010111480111001024013101114801410101360151011148016101002401811111510019100012402000011240211100024023100012402411111240251100012028001000003001000120310010000033<	3	1	0	0	0	0	1	20
61000124071111151008000101209111111510010101114801111000240121001148014101114801510111480161010136017110002401811111360191000124020000124021110002402211000240231000124024111112402511000120280010000030010001203100100120330<	4	0	0	1	0	0	1	20
7 1 1 1 1 1 5 100 8 0 0 0 1 0 1 20 9 1 1 1 1 1 5 100 10 1 0 1 1 1 4 80 11 1 1 0 0 0 2 40 12 1 0 0 1 1 4 80 13 1 0 1 1 1 4 80 14 0 1 0 1 3 60 15 1 0 1 1 1 4 80 16 1 0 1 1 3 60 17 1 1 0 0 2 40 20 0 0 0 1 2 40 21 1 0 0 0 2 40 23 1 0 0	5	0	0	0	1	1	2	40
8 0 0 0 1 0 1 20 9 1 1 1 1 1 5 100 10 1 0 1 1 1 4 80 11 1 0 0 1 0 2 40 12 1 0 0 1 0 2 40 13 1 0 1 1 1 4 80 14 1 0 1 1 1 4 80 16 1 0 1 0 1 3 60 17 1 0 0 0 2 40 20 0 0 0 1 1 2 40 21 1 1 0 0 0 2 40 21 1 0 0 0 1 2 40 23 1 0 0 0 1 2 40	6	1	0	0	0	1	2	40
911111510010101114801111000240121001024013101114801410101360151011148016101013601711000240181111151001910001240200001124021110002402310001240241111151002510001240271000000300100012031001113603300000003410000003300000003600 <t< td=""><td>7</td><td>1</td><td>1</td><td>1</td><td>1</td><td>1</td><td>5</td><td>100</td></t<>	7	1	1	1	1	1	5	100
10101114801111000240121001102401310111480141010136015101114801610101360171100024020000112402000011240211100024023100012402411111510025110001228001000030010001203100111123300010240330000112034100102403500101240360000000330 <td< td=""><td>8</td><td>0</td><td>0</td><td>0</td><td>1</td><td>0</td><td>1</td><td>20</td></td<>	8	0	0	0	1	0	1	20
11 1 0 0 0 2 40 12 1 0 0 1 0 2 40 13 1 0 1 1 1 4 80 14 1 0 1 1 1 4 80 16 1 0 1 1 1 4 80 16 1 0 1 0 1 3 60 17 1 1 0 0 0 2 40 20 0 0 0 1 1 2 40 21 1 1 0 0 0 2 40 21 1 1 0 0 0 2 40 23 1 0 0 0 2 40 24 1 1 1 1 1 2 40 25 1 0 0 0 1 20 28 0	9	1	1	1	1	1	5	100
1210010240131011148014101013601510111480161010136017110002401811111510019100012402000011240211100024023100012402411111510025110001202610001240271000120310011360321011360330010024033001012403410000003500100003600000003500111<	10	1	0	1	1	1	4	80
13101114801410101360151011148016101013601711000240181111151001910001240200001124021110002402211000240231000124024111115100251100012028001000030010001203100111360321010124033000012403410011240350010124036000000037101114803810	11	1	1	0	0	0	2	40
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171100024018111115100191000112402000011240211100024022110002402310001240241111151002511000240261000124027100001202800100000300100012031001113603210101240330010124034100112403500101240360000000371011148038100114803911101480 <td>15</td> <td>1</td> <td>0</td> <td>1</td> <td>1</td> <td>1</td> <td></td> <td>80</td>	15	1	0	1	1	1		80
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71	1	1	1	1	1	5	100
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Total	52	33	40	37	47	209	4180
	0,71232	0,45205	0,54794	0,50684	0,64383	2,86301	34,2465
Mean	9	5	5	9	6	4	8

2	7	12	17	22	Total	Value
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1	1	0	0	0	2	40

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0	1	0	1	0	2	40
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1	0	0	1	0	2	40
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0	0	0	1	1	2	40
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0	1	1	0	0	2	40
1	1	1	1	0	4	80
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0	0	1	0	0	1	20

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48	33	36	32	37	186	3720	
0, <mark>65</mark> 7534	0,452055	0,493 <mark>15</mark> 1	0,438356	0,506849	2,547945	19,17808	

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68	65	69	69	336	6720
0,931507	0,890411	0,945205	0,945205	4,60274	94,52055
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0	1	1	1	1	4	80
1	1	0	1	1	4	80
59	65	69	65	69	327	6540
0,808219	0,890411	0,945205	0,890411	0,945205	4,479452	90,41096

Total	Raw Score	Value
9	0,36	36
16	0,64	64
12	0,48	48
15	0,6	60
14	0,56	56
11	0,44	44
23	0,92	92
16	0,64	64
22	0,88	88
14	0,56	56
17	0,68	68
16	0,64	64
19	0,76	76
17	0,68	68
18	0,72	72
17	0,68	68
16	0,64	64
23	0,92	92
17	0,68	68
16	0,64	64
14	0,56	56
16	0,64	64
18	0,72	72
23	0,92	92
17	0,68	68
17	0,68	68
14	0,56	56
17	0,68	68
13	0,52	52
12	0,48	48
12	0,68	68
16	0,64	64
10	0,52	52
15	0,52	60
15	0,6	60
10	0,8	40
10	0,4	40

21	0,84	84
18	0,72	72
20	0,8	80
19	0,76	76
16	0,64	64
18	0,72	72
13	0,52	52
16	0,64	64
14	0,56	56
23	0,92	92
13	0,52	52
15	0,6	60
18	0,72	72
18	0,72	72
10	0,4	40
16	0,64	64
22	0,88	88
15	0,6	60
21	0,84	84
18	0,72	72
16	0,64	64
18	0,72	72
15	0,6	60
20	0,8	80
17	0,68	68
20	0,8	80
19	0,76	76
20	0,8	80
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22	0,72	/2 88
20 21	0,8	80 84
	0,84	84
14	0,56	56
23	0,92	92
22	0,88	88
19	0,76	76
15	0,6	60
1238	49,52	
0,678356	0,67835616	