

# Lampiran 1

## Instrumen Tes Uji

### Coba



## LAMPIRAN 1. A

### LEMBAR ANGGKET RESILIENSI MATEMATIS SISWA

#### Identitas Responden

Nama :  
Kelas :  
Hari/Tanggal :  
Asal Sekolah :  
Jenis Kelamin :

#### Aturan Menjawab Angket

1. Pada angket ini terdapa 40 butir pernyataan berilah jawaban yang benar cocok dengan pilihanmu
2. Jawabanlah pernyataan dengan jujur sesuai dengan yang kamu alami, setiap pernyataan tidal lebih dari satu jawaban.
3. Jawaban dari pernyataan yang anda isi tidak akan berpengaruh pada nilai belajar anda.
4. Catat tanggapan anda pada lembar jawaban yang tersedia dengan memberikan tanda check (✓) sesuai keterangan pilihan jawaban

Keterangan pilihan jawaban:

**SS** : Sangat Setuju  
**S** : Setuju  
**KS** : Kurang Setuju  
**STS** : Sangat Tidak Setuju

| NO. | PERNYATAAN  | JAWABAN |   |    |     |
|-----|---|---------|---|----|-----|
|     |   | SS      | S | KS | STS |
| 1.  | Saya merasa yakin dapat bertahan mempelajari materi matematika yang sulit meski dalam waktu yang lama (+) |         |   |    |     |
| 2.  | Saya berusaha mengerjakan sendiri masalah matematika sampai selesai meski perlu kerja keras(+)            |         |   |    |     |
| 3.  | Saya menghindar mencoba cara baru menyelesaikan masalah matematik yang beresiko gagal(-)                  |         |   |    |     |
| 4.  | Saya yakin akan berhasil dalam tes matematika yang akan datang setelah gagal pada tes                     |         |   |    |     |

|     |   |  |  |  |  |
|-----|---|--|--|--|--|
|     | sebelumnya(+)   |  |  |  |  |
| 5.  | Saya berusaha memperbaiki tugas matematika yang belum sempurna meski perlu kerja keras (+)            |  |  |  |  |
| 6.  | Saya malas menuliskan rumus pada tiap langkah penyelesaian soal matematika(-)                         |  |  |  |  |
| 7.  | Saya ragu dapat menyusun masalah matematika sebaik pekerjaan teman lain(-)                            |  |  |  |  |
| 8.  | Saya percaya dapat memeriksa sendiri kebenaran penyelesaian soal matematika yang kompleks(+)          |  |  |  |  |
| 9.  | Saya frustrasi menghadapi ulangan matematika setelah mendapat nilai buruk dalam ulangan sebelumnya(-) |  |  |  |  |
| 10. | Saya senang menjelaskan penyelesaian tugas matematika yang sulit kepada teman lain(+)                 |  |  |  |  |
| 11. | Saya merasa nyaman berdiskusi matematika dengan teman sebaya yang baru kenal(+)                       |  |  |  |  |
| 12. | Saya merasa sungkan menyampaikan kesulitan belajar matematika kepada teman baru(-)                    |  |  |  |  |
| 13. | Saya merasa terganggu diminta bantuan oleh teman yang mengalami kesulitan belajar matematika(-)       |  |  |  |  |
| 14. | Saya merasa canggung meminta bantuan kepada teman untuk mengatasi kesulitan belajar matematika(-)     |  |  |  |  |
| 15. | Saya berusaha menyesuaikan diri ketika belajar matematika di lingkungan baru(+)                       |  |  |  |  |
| 16. | Saya berani menawarkan gagasan baru ketika belajar kelompok matematika(+)                             |  |  |  |  |
| 17. | Saya tidak menerima mengerjakan soal matematika yang menuntut saya memberikan beragam alasan(-)       |  |  |  |  |
| 18. | Saya merasa lebih aman mengerjakan tugas seperti tugas teman yang pandai matematika(-)                |  |  |  |  |
| 19. | Saya menghindari menyelesaikan soal matematika yang memiliki banyak cara penyelesaian(-)              |  |  |  |  |
| 20. | Saya mencoba cara yang berbeda dari contoh yang ada di buku teks matematika(+)                        |  |  |  |  |
| 21. | Saya tidak mengerjakan ulang penyelesaian soal matematika yang salah(-)                               |  |  |  |  |
| 22. | Saya berlatih lagi lebih keras setelah salah menyelesaikan masalah matematika yang sulit(+)           |  |  |  |  |

|     |   |  |  |  |  |
|-----|---|--|--|--|--|
| 23. | Saya mengerjakan ulang penyelesaian soal matematika yang salah meski perlu waktu lama(+)                |  |  |  |  |
| 24. | Saya cemas belajar matematika setelah mendapat nilai buruk dalam ulangan matematika yang sulit(-)       |  |  |  |  |
| 25. | Saya berani belajar matematika setelah mendapat nilai yang buruk dalam ulangan matematika yang sulit(+) |  |  |  |  |
| 26. | Saya senang bisa menemukan artikel melalui internet yang sama dengan tugas matematika saya(+)           |  |  |  |  |
| 27. | Saya bosan mempelajari materi matematika dari berbagai buku(-)  |  |  |  |  |
| 28. | Saya merasa percaya diri mampu menjelaskan secara lisan tugas matematika yang sudah dikerjakan(+)       |  |  |  |  |
| 29. | Saya putus asa ketika gagal menyelesaikan soal matematika di depan teman-teman(-)                       |  |  |  |  |
| 30. | Saya menerima ketika mendapat kritik terhadap pekerjaan matematika saya(+)                              |  |  |  |  |
| 31. | Saya selalu mengerjakan soal matematika dengan sungguh-sungguh(+)                                       |  |  |  |  |
| 32. | Saya merasa senang jika diminta bantuan oleh teman yang mengalami kesulitan belajar matematika (+)      |  |  |  |  |
| 33. | Saya senang menyelesaikan soal matematika yang memiliki banyak cara penyelesaiannya(+)                  |  |  |  |  |
| 34. | Saya tidak peduli setelah salah dalam menyelesaikan masalah matematika yang sulit(-)                    |  |  |  |  |
| 35. | Saya senang mempelajari materi matematika dari berbagai buku(+)   |  |  |  |  |
| 36. | Saya tidak menerima ketika mendapat kritik terhadap pekerjaan matematika saya(-)                        |  |  |  |  |

## LAMPIRAN 1.B

### LEMBAR ANKET MINAT BELAJAR SISWA

#### Identitas Responden

Nama :  
Kelas :  
Hari/Tanggal :  
Asal Sekolah :  
Jenis Kelamin :  
**Aturan Menjawab Angket :**

1. Pada angket ini terdapa 40 butir pernyataan berilah jawaban yang benar cocok dengan pilihanmu
2. Jawabanlah pernyataan dengan jujur sesuai dengan yang kamu alami, setiap pernyataan tidal lebih dari satu jawaban.
3. Jawaban dari pernyataan yang anda isi tidak akan berpengaruh pada nilai belajar anda.
4. Catat tanggapan anda pada lembar jawaban yang tersedia dengan memberikan tanda check (✓) sesuai keterangan pilihan jawaban

Keterangan pilihan jawaban:

**SS : Sangat Setuju**  
**S : Setuju**  
**KS : Kurang Setuju**  
**STS : Sangat Tidak Setuju**

| No. | Pernyataan  | Jawaban |   |    |     |
|-----|---|---------|---|----|-----|
|     |   | SS      | S | KS | STS |
| 1.  | Saya tertarik belajar matematika kerana mengetahui kegunaanya dalam kehidupan sehari-hari (+) |         |   |    |     |
| 2.  | Saya kurang senang ketika pembelajaran matematika sudah dimulai (-)                           |         |   |    |     |
| 3.  | Saya selalu mengerjakan PR matematika(+)  |         |   |    |     |
| 4.  | Tugas yang diberikan oleh guru membuat saya semakin tertarik dengan matematika(+)             |         |   |    |     |
| 5.  | Saya peduli dengan pelajaran matematika(+)  |         |   |    |     |
| 6.  | Saya senang mencoba mengerjakan soal  |         |   |    |     |

|     |  |  |  |  |  |
|-----|--|--|--|--|--|
|     | matematika(+)  |  |  |  |  |
| 7.  | Saya merasa putus asa ketika mengerjakan soal matematika(-)                          |  |  |  |  |
| 8.  | Apabila mengalami kesulitan dalam memahami materi, saya bertanya (+)                 |  |  |  |  |
| 9.  | Saya menunda dalam mengerjakan tugas/PR yang diberikan guru(-)                       |  |  |  |  |
| 10. | Saya kurang tertarik dengan matematika karena selalu diberi tugas/PR (-)             |  |  |  |  |
| 11. | Saya mengerjakan tugas/PR yang diberikan guru(+)                                     |  |  |  |  |
| 12. | Saya memperhatikan guru saat sedang menjelaskan materi(+)                            |  |  |  |  |
| 13. | Saya berdiskusi dengan teman kelompok terkait materi (+)                             |  |  |  |  |
| 14. | Ketika guru sedang menjelaskan materi saya tidak mencatat(-)                         |  |  |  |  |
| 15. | Saya mencatat saat guru menjelaskan materi(+)  |  |  |  |  |
| 16. | Saya tidak sibuk sendiri ketika guru menjelaskan(+)                                  |  |  |  |  |
| 17. | Saya kurang aktif ketika diskusi kelompok(-)   |  |  |  |  |
| 18. | Saya senang mengungkapkan pendapat ketika berdiskusi(+)                              |  |  |  |  |
| 19. | Ketika diskusi kelompok saya berbicara dengan teman diluar materi pelajaran(-)       |  |  |  |  |
| 20. | Saya berbicara dengan teman ketika guru sedang menjelaskan materi (-)                |  |  |  |  |
| 21. | saya sudah belajar matematika pada malam hari sebelum pelajaran esok hari(+)         |  |  |  |  |
| 22. | Saya hanya belajar matematika ketika sedang menghadapi ujian (-)                     |  |  |  |  |
| 23. | Tanpa ada yang menyuruh, saya belajar matematika sendiri di rumah(+)                 |  |  |  |  |
| 24. | Lebih menyenangkan bermain daripada mengikuti bimbingan les matematika (-)           |  |  |  |  |
| 25. | Matematika sulit bagi saya karena terlalu banyak rumus dan berhitung (-)             |  |  |  |  |
| 26. | Saya belajar matematika karena mengetahui kegunaanya dalam kehidupan sehari-hari (+) |  |  |  |  |
| 27. | Saya bersemangat mempelajari matematika karena guru (+)                              |  |  |  |  |
| 28. | Saya kurang senang ketika pembelajaran matematika dimulai (-)                        |  |  |  |  |

|     |  |  |  |  |  |
|-----|--|--|--|--|--|
| 29. | Saya mengikuti pembelajaran matematika dengan perasaan senang (+)                            |  |  |  |  |
| 30. | Guru kurang menyenangkan dalam mengajar, sehingga saya maenjadi malas belajar matematika (-) |  |  |  |  |
| 31. | Saya tidak tertarik mempelajari materi matematika(-)   |  |  |  |  |
| 32. | Saya sering meninggalkan kelas ketika pembelajaran matematika akan dimulai(-)                |  |  |  |  |
| 33. | Saya selalu mencari soal matematika dan mengerjakan sendiri(+)                               |  |  |  |  |
| 34. | Saya senang belajar matematika karena mengetahui kegunaannya dalam kehidupan sehari-hari(+)  |  |  |  |  |



The logo of Institut Agama Islam Negeri (IAIN) Negeri is a green shield with a yellow border. Inside the shield, there is a white book with Arabic text, flanked by two white hands holding the book. Below the book, there is a yellow banner with the text "INSTITUT AGAMA ISLAM NEGERI".

**Lampiran 2**  
**Olah data**  
**instrument tes uji**  
**coba**



Lampiran 2.A

TABULASI UJI COBA ANKET RESILIENSI MATEMATIS SISWA

|            | Item Soal |         |         |        |        |        |         |          |          |         |         |          |         |         |        |         |         |          |         |         |         |         |        |        |          |         |         |          |         |         |         |         |        |         |        |        | Total |    |
|------------|-----------|---------|---------|--------|--------|--------|---------|----------|----------|---------|---------|----------|---------|---------|--------|---------|---------|----------|---------|---------|---------|---------|--------|--------|----------|---------|---------|----------|---------|---------|---------|---------|--------|---------|--------|--------|-------|----|
|            | 1         | 2       | 3       | 4      | 5      | 6      | 7       | 8        | 9        | 10      | 11      | 12       | 13      | 14      | 15     | 16      | 17      | 18       | 19      | 20      | 21      | 22      | 23     | 24     | 25       | 26      | 27      | 28       | 29      | 30      | 31      | 32      | 33     | 34      | 35     | 36     |       |    |
| 1          | 3         | 3       | 3       | 3      | 3      | 2      | 2       | 3        | 2        | 3       | 3       | 2        | 2       | 2       | 3      | 3       | 2       | 3        | 1       | 4       | 3       | 3       | 3      | 2      | 2        | 3       | 2       | 3        | 2       | 3       | 3       | 3       | 3      | 3       | 2      | 3      | 2     | 94 |
| 2          | 3         | 3       | 2       | 2      | 4      | 1      | 2       | 3        | 2        | 3       | 4       | 1        | 4       | 2       | 3      | 4       | 2       | 4        | 1       | 3       | 2       | 3       | 2      | 1      | 1        | 3       | 3       | 3        | 1       | 3       | 4       | 3       | 3      | 1       | 3      | 2      | 91    |    |
| 3          | 3         | 3       | 2       | 3      | 3      | 2      | 2       | 3        | 3        | 3       | 2       | 2        | 2       | 2       | 3      | 2       | 3       | 2        | 2       | 2       | 3       | 3       | 3      | 2      | 3        | 3       | 2       | 2        | 2       | 3       | 2       | 2       | 3      | 2       | 2      | 2      | 88    |    |
| 4          | 3         | 4       | 3       | 3      | 4      | 3      | 3       | 3        | 3        | 2       | 4       | 2        | 2       | 2       | 3      | 3       | 3       | 4        | 2       | 3       | 2       | 3       | 3      | 3      | 3        | 3       | 3       | 2        | 3       | 3       | 3       | 3       | 3      | 3       | 3      | 3      | 106   |    |
| 5          | 3         | 4       | 2       | 3      | 4      | 2      | 2       | 3        | 3        | 3       | 4       | 2        | 2       | 2       | 3      | 3       | 3       | 4        | 2       | 3       | 2       | 3       | 3      | 3      | 3        | 3       | 3       | 2        | 3       | 3       | 3       | 3       | 3      | 3       | 3      | 3      | 104   |    |
| 6          | 3         | 2       | 3       | 3      | 3      | 3      | 3       | 3        | 3        | 3       | 3       | 1        | 2       | 2       | 2      | 4       | 1       | 3        | 3       | 3       | 2       | 3       | 3      | 3      | 3        | 2       | 3       | 2        | 4       | 3       | 3       | 3       | 3      | 2       | 2      | 1      | 95    |    |
| 7          | 3         | 4       | 2       | 4      | 3      | 2      | 2       | 3        | 2        | 3       | 3       | 2        | 1       | 1       | 3      | 3       | 2       | 3        | 1       | 4       | 1       | 4       | 2      | 1      | 2        | 4       | 2       | 3        | 2       | 2       | 4       | 3       | 4      | 1       | 4      | 1      | 91    |    |
| 8          | 4         | 4       | 2       | 3      | 3      | 1      | 4       | 2        | 3        | 3       | 3       | 2        | 2       | 4       | 3      | 3       | 3       | 3        | 2       | 3       | 4       | 3       | 3      | 3      | 3        | 3       | 3       | 2        | 3       | 3       | 2       | 1       | 1      | 3       | 3      | 100    |       |    |
| 9          | 2         | 3       | 3       | 3      | 1      | 3      | 1       | 3        | 3        | 1       | 3       | 1        | 2       | 2       | 4      | 2       | 1       | 3        | 2       | 2       | 1       | 3       | 2      | 1      | 2        | 3       | 2       | 2        | 1       | 3       | 4       | 2       | 4      | 2       | 4      | 3      | 84    |    |
| 10         | 4         | 3       | 3       | 3      | 3      | 3      | 2       | 2        | 1        | 4       | 3       | 3        | 3       | 3       | 2      | 3       | 3       | 3        | 3       | 3       | 1       | 4       | 2      | 3      | 2        | 2       | 2       | 2        | 3       | 3       | 4       | 4       | 4      | 3       | 4      | 3      | 102   |    |
| 11         | 3         | 4       | 3       | 4      | 4      | 4      | 4       | 4        | 1        | 4       | 4       | 3        | 3       | 3       | 2      | 4       | 3       | 4        | 3       | 3       | 3       | 3       | 2      | 2      | 3        | 4       | 4       | 4        | 4       | 4       | 4       | 4       | 4      | 3       | 3      | 121    |       |    |
| 12         | 4         | 3       | 3       | 4      | 4      | 2      | 3       | 3        | 3        | 3       | 4       | 2        | 2       | 3       | 4      | 4       | 2       | 4        | 2       | 3       | 2       | 3       | 3      | 2      | 3        | 2       | 3       | 2        | 3       | 1       | 3       | 3       | 3      | 2       | 2      | 2      | 101   |    |
| 13         | 4         | 3       | 3       | 3      | 3      | 3      | 3       | 3        | 3        | 4       | 3       | 3        | 3       | 3       | 2      | 3       | 3       | 3        | 3       | 3       | 3       | 3       | 3      | 3      | 3        | 3       | 3       | 3        | 2       | 3       | 4       | 3       | 4      | 3       | 4      | 3      | 110   |    |
| 14         | 3         | 2       | 2       | 3      | 3      | 2      | 3       | 2        | 2        | 3       | 3       | 2        | 2       | 3       | 3      | 2       | 3       | 3        | 3       | 3       | 3       | 3       | 2      | 2      | 3        | 4       | 4       | 3        | 2       | 4       | 3       | 2       | 1      | 2       | 2      | 2      | 96    |    |
| 15         | 4         | 3       | 3       | 1      | 2      | 2      | 1       | 3        | 3        | 1       | 2       | 2        | 1       | 2       | 2      | 1       | 3       | 2        | 2       | 2       | 4       | 2       | 3      | 1      | 2        | 2       | 4       | 2        | 2       | 4       | 3       | 2       | 1      | 1       | 3      | 3      | 81    |    |
| 16         | 4         | 3       | 2       | 3      | 3      | 1      | 1       | 4        | 2        | 3       | 3       | 1        | 3       | 3       | 2      | 3       | 2       | 3        | 2       | 3       | 2       | 3       | 3      | 2      | 2        | 3       | 1       | 4        | 3       | 3       | 3       | 3       | 4      | 2       | 3      | 2      | 94    |    |
| 17         | 3         | 3       | 4       | 3      | 3      | 4      | 1       | 2        | 4        | 4       | 4       | 3        | 4       | 2       | 4      | 4       | 3       | 4        | 4       | 3       | 3       | 4       | 3      | 1      | 1        | 4       | 3       | 2        | 4       | 3       | 3       | 3       | 3      | 3       | 4      | 4      | 115   |    |
| 18         | 3         | 3       | 2       | 3      | 4      | 4      | 3       | 2        | 2        | 3       | 3       | 2        | 4       | 2       | 3      | 3       | 3       | 3        | 4       | 3       | 4       | 3       | 4      | 2      | 1        | 4       | 4       | 3        | 4       | 4       | 4       | 4       | 4      | 4       | 4      | 4      | 116   |    |
| 19         | 3         | 3       | 2       | 4      | 3      | 2      | 3       | 3        | 2        | 4       | 2       | 2        | 3       | 3       | 3      | 3       | 1       | 4        | 3       | 3       | 3       | 3       | 4      | 2      | 3        | 3       | 1       | 2        | 2       | 3       | 3       | 3       | 4      | 3       | 2      | 101    |       |    |
| 20         | 3         | 2       | 1       | 4      | 2      | 3      | 4       | 1        | 2        | 3       | 2       | 2        | 3       | 4       | 4      | 3       | 4       | 2        | 2       | 3       | 1       | 2       | 4      | 4      | 2        | 4       | 3       | 3        | 4       | 4       | 2       | 3       | 1      | 1       | 2      | 2      | 96    |    |
| 21         | 3         | 4       | 3       | 3      | 4      | 3      | 3       | 3        | 3        | 3       | 4       | 2        | 2       | 3       | 3      | 3       | 3       | 4        | 2       | 3       | 2       | 3       | 3      | 3      | 3        | 3       | 3       | 2        | 3       | 3       | 3       | 3       | 3      | 3       | 3      | 3      | 107   |    |
| 22         | 4         | 4       | 1       | 3      | 3      | 4      | 2       | 2        | 4        | 4       | 4       | 2        | 4       | 4       | 4      | 3       | 3       | 4        | 4       | 3       | 4       | 4       | 4      | 2      | 2        | 4       | 3       | 3        | 4       | 4       | 4       | 4       | 3      | 4       | 3      | 4      | 122   |    |
| 23         | 4         | 3       | 1       | 3      | 3      | 2      | 3       | 4        | 2        | 4       | 4       | 2        | 1       | 2       | 3      | 4       | 1       | 4        | 2       | 3       | 1       | 3       | 2      | 1      | 2        | 4       | 2       | 3        | 1       | 4       | 3       | 3       | 4      | 2       | 3      | 3      | 96    |    |
| 24         | 4         | 3       | 2       | 4      | 3      | 3      | 2       | 3        | 2        | 3       | 4       | 3        | 2       | 3       | 3      | 3       | 3       | 4        | 3       | 4       | 2       | 4       | 4      | 2      | 1        | 3       | 3       | 4        | 2       | 3       | 4       | 3       | 4      | 3       | 4      | 2      | 108   |    |
| 25         | 4         | 4       | 2       | 4      | 2      | 3      | 2       | 3        | 3        | 2       | 4       | 2        | 3       | 2       | 4      | 3       | 3       | 4        | 4       | 3       | 3       | 4       | 3      | 1      | 1        | 3       | 3       | 3        | 1       | 3       | 1       | 4       | 3      | 4       | 3      | 4      | 105   |    |
| 26         | 3         | 3       | 1       | 3      | 4      | 3      | 2       | 3        | 2        | 4       | 3       | 3        | 2       | 4       | 4      | 4       | 1       | 3        | 1       | 3       | 4       | 3       | 3      | 1      | 3        | 3       | 1       | 3        | 1       | 4       | 4       | 3       | 4      | 2       | 3      | 2      | 100   |    |
| 27         | 3         | 4       | 3       | 3      | 4      | 4      | 3       | 3        | 2        | 2       | 1       | 2        | 3       | 3       | 3      | 3       | 4       | 1        | 3       | 3       | 4       | 4       | 3      | 2      | 2        | 3       | 3       | 3        | 4       | 3       | 4       | 3       | 3      | 1       | 4      | 4      | 107   |    |
| 28         | 3         | 4       | 3       | 3      | 4      | 4      | 3       | 3        | 2        | 2       | 1       | 2        | 3       | 3       | 3      | 3       | 4       | 1        | 3       | 3       | 4       | 4       | 3      | 2      | 2        | 3       | 3       | 4        | 3       | 4       | 3       | 2       | 1      | 4       | 4      | 106    |       |    |
| 29         | 3         | 4       | 3       | 3      | 4      | 4      | 3       | 3        | 2        | 2       | 1       | 2        | 3       | 3       | 3      | 3       | 4       | 1        | 3       | 3       | 4       | 4       | 3      | 2      | 2        | 3       | 3       | 3        | 4       | 3       | 4       | 3       | 2      | 1       | 4      | 4      | 106   |    |
| 30         | 3         | 3       | 2       | 3      | 3      | 3      | 2       | 2        | 2        | 3       | 2       | 3        | 2       | 3       | 2      | 3       | 3       | 2        | 3       | 2       | 3       | 3       | 2      | 2      | 3        | 3       | 2       | 3        | 2       | 3       | 3       | 3       | 2      | 2       | 3      | 3      | 93    |    |
| 31         | 3         | 3       | 2       | 3      | 3      | 3      | 2       | 2        | 3        | 3       | 2       | 3        | 3       | 3       | 3      | 3       | 3       | 2        | 3       | 2       | 3       | 3       | 2      | 2      | 3        | 3       | 2       | 3        | 2       | 3       | 3       | 3       | 2      | 2       | 3      | 3      | 96    |    |
| 32         | 4         | 4       | 2       | 4      | 4      | 4      | 3       | 4        | 3        | 4       | 3       | 4        | 3       | 3       | 4      | 3       | 4       | 3        | 4       | 2       | 4       | 4       | 3      | 3      | 4        | 4       | 3       | 2        | 4       | 3       | 4       | 4       | 3      | 4       | 3      | 3      | 124   |    |
| 33         | 3         | 3       | 2       | 4      | 3      | 3      | 1       | 3        | 3        | 3       | 3       | 3        | 2       | 1       | 3      | 3       | 3       | 3        | 2       | 2       | 3       | 3       | 2      | 2      | 3        | 3       | 2       | 3        | 2       | 3       | 3       | 3       | 2      | 2       | 3      | 3      | 95    |    |
| 34         | 3         | 2       | 2       | 3      | 3      | 3      | 2       | 2        | 3        | 3       | 2       | 3        | 3       | 3       | 3      | 3       | 3       | 2        | 3       | 2       | 3       | 3       | 2      | 2      | 3        | 3       | 2       | 3        | 2       | 3       | 3       | 3       | 3      | 2       | 2      | 3      | 3     | 95 |
| 35         | 3         | 2       | 1       | 3      | 4      | 3      | 2       | 2        | 3        | 3       | 2       | 3        | 3       | 3       | 3      | 3       | 3       | 2        | 3       | 2       | 3       | 3       | 2      | 2      | 2        | 2       | 2       | 3        | 2       | 3       | 3       | 3       | 2      | 2       | 3      | 3      | 93    |    |
| 36         | 4         | 4       | 3       | 3      | 4      | 3      | 4       | 3        | 3        | 3       | 4       | 2        | 3       | 3       | 3      | 3       | 3       | 4        | 4       | 3       | 4       | 3       | 4      | 3      | 1        | 2       | 4       | 3        | 3       | 3       | 3       | 4       | 4      | 4       | 4      | 117    |       |    |
| 37         | 4         | 3       | 2       | 3      | 4      | 3      | 1       | 3        | 4        | 2       | 3       | 2        | 1       | 1       | 3      | 2       | 2       | 3        | 4       | 3       | 4       | 4       | 4      | 2      | 2        | 4       | 3       | 3        | 4       | 4       | 4       | 4       | 3      | 2       | 4      | 3      | 107   |    |
| 38         | 4         | 4       | 1       | 3      | 3      | 4      | 2       | 2        | 4        | 4       | 4       | 2        | 4       | 4       | 4      | 3       | 3       | 4        | 4       | 3       | 4       | 4       | 4      | 2      | 2        | 4       | 3       | 3        | 4       | 4       | 4       | 4       | 4      | 3       | 4      | 3      | 122   |    |
| 39         | 4         | 4       | 1       | 3      | 3      | 4      | 2       | 2        | 4        | 4       | 4       | 2        | 4       | 4       | 4      | 3       | 3       | 4        | 4       | 3       | 4       | 4       | 4      | 2      | 2        | 4       | 3       | 3        | 4       | 4       | 4       | 4       | 4      | 4       | 3      | 4      | 123   |    |
| 40         | 3         | 3       | 2       | 3      | 3      | 3      | 2       | 2        | 3        | 3       | 2       | 3        | 3       | 3       | 3      | 3       | 3       | 2        | 3       | 2       | 3       | 3       | 2      | 2      | 3        | 3       | 2       | 3        | 2       | 3       | 3       | 3       | 2      | 2       | 3      | 3      | 96    |    |
| $\sum X_i$ | 134       | 130     | 89      | 126    | 130    | 117    | 93      | 110      | 107      | 118     | 121     | 91       | 104     | 110     | 123    | 121     | 108     | 121      | 109     | 113     | 115     | 131     | 115    | 85     | 92       | 126     | 109     | 107      | 109     | 126     | 132     | 126     | 114    | 94      | 124    | 118    |       |    |
| r hitung   | 0,3671    | 0,55626 | -0,0255 | 0,2949 | 0,4282 | 0,6637 | 0,35843 | -0,01391 | 0,252337 | 0,50354 | 0,39446 | 0,258652 | 0,56031 | 0,39746 | 0,3132 | 0,29841 | 0,39354 | 0,394462 | 0,68767 | 0,28058 | 0,45778 | 0,55645 | 0,5639 | 0,2445 | -0,09895 | 0,43752 | 0,46104 | 0,147766 | 0,67901 | 0,21243 | 0,35533 | 0,76502 | 0,3529 | 0,66152 | 0,2739 | 0,5375 |       |    |
| r tabel    | 0,312     | 0,312   | 0,312   | 0,312  | 0,312  | 0,312  | 0,312   | 0,312    | 0,312    | 0,312   | 0,312   | 0,312    | 0,312   | 0,312   | 0,312  | 0,312   | 0,312   | 0,312    | 0,312   | 0,312   | 0,312   | 0,312   | 0,312  | 0,312  | 0,312    | 0,312   | 0,312   | 0,312    | 0,312   | 0,312   | 0,312   | 0,312   | 0,312  | 0,312   | 0,312  | 0,312  |       |    |
| status     | v         | v       | tv      | tv     | v      | v      | v       | v        | tv       | v       | v       | tv       | v       | v       | v      | tv      | v       | v        | v       | v       | tv      | v       | v      | tv     | tv       | v       | v       | tv       | v       | v       | v       | v       | v      | v       | tv     | v      |       |    |

## Lampiran 2.B Uji Validitas Menggunakan Korelasi Product Momet

Item soal 1

| NO | X | Y  | X <sup>2</sup> | Y <sup>2</sup> | XY  |
|----|---|----|----------------|----------------|-----|
| 1  | 3 | 52 | 9              | 2704           | 156 |
| 2  | 3 | 53 | 9              | 2809           | 159 |
| 3  | 3 | 50 | 9              | 2500           | 150 |
| 4  | 3 | 61 | 9              | 3721           | 183 |
| 5  | 3 | 60 | 9              | 3600           | 180 |
| 6  | 3 | 54 | 9              | 2916           | 162 |
| 7  | 3 | 49 | 9              | 2401           | 147 |
| 8  | 4 | 56 | 16             | 3136           | 224 |
| 9  | 2 | 49 | 4              | 2401           | 98  |
| 10 | 4 | 60 | 16             | 3600           | 240 |
| 11 | 3 | 72 | 9              | 5184           | 216 |
| 12 | 4 | 58 | 16             | 3364           | 232 |
| 13 | 4 | 64 | 16             | 4096           | 256 |
| 14 | 3 | 56 | 9              | 3136           | 168 |
| 15 | 4 | 45 | 16             | 2025           | 180 |
| 16 | 4 | 52 | 16             | 2704           | 208 |
| 17 | 3 | 72 | 9              | 5184           | 216 |
| 18 | 3 | 75 | 9              | 5625           | 225 |
| 19 | 3 | 60 | 9              | 3600           | 180 |
| 20 | 3 | 58 | 9              | 3364           | 174 |
| 21 | 3 | 62 | 9              | 3844           | 186 |
| 22 | 4 | 79 | 16             | 6241           | 316 |
| 23 | 4 | 54 | 16             | 2916           | 216 |
| 24 | 4 | 63 | 16             | 3969           | 252 |
| 25 | 4 | 64 | 16             | 4096           | 256 |
| 26 | 3 | 57 | 9              | 3249           | 171 |
| 27 | 3 | 63 | 9              | 3969           | 189 |
| 28 | 3 | 62 | 9              | 3844           | 186 |
| 29 | 3 | 62 | 9              | 3844           | 186 |
| 30 | 3 | 53 | 9              | 2809           | 159 |
| 31 | 3 | 55 | 9              | 3025           | 165 |
| 32 | 4 | 75 | 16             | 5625           | 300 |
| 33 | 3 | 52 | 9              | 2704           | 156 |
| 34 | 3 | 55 | 9              | 3025           | 165 |
| 35 | 3 | 54 | 9              | 2916           | 162 |

|      |     |      |     |        |      |
|------|-----|------|-----|--------|------|
| 36   | 4   | 71   | 16  | 5041   | 284  |
| 37   | 4   | 62   | 16  | 3844   | 248  |
| 38   | 4   | 79   | 16  | 6241   | 316  |
| 39   | 4   | 80   | 16  | 6400   | 320  |
| 40   | 3   | 55   | 9   | 3025   | 165  |
| SKOR | 134 | 2413 | 460 | 148697 | 8152 |

Diketahui :

$$\text{Skor total} = 17956$$

$$\sum X = 134$$

$$\sum X^2 = 460$$

$$\sum Y = 241$$

$$\sum Y^2 = 148697$$

$$\sum XY = 8152$$

$$N = 40$$

Penyelesaian :

$$r_{xy} = \frac{N \cdot \sum XY - (\sum X) \cdot (\sum Y)}{\sqrt{[N \cdot \sum X^2 - (\sum X)^2] \cdot [N \cdot \sum Y^2 - (\sum Y)^2]}}$$

$$r_{xy} = \frac{40 \cdot 8152 - 134 \cdot 2413}{\sqrt{(40 \cdot 460 - 17956) \cdot (40 \cdot 148697 - 582256)}}$$

$$r_{xy} = \frac{2738}{\sqrt{(444) \cdot (125311)}}$$

$$r_{xy} = \frac{2738}{7459,09405}$$

$$r_{xy} = 0,3671$$

Jadi, koefisien korelasi pada item pertanyaan pertama ( $r_{xy}$ ) = 0,3671

## HASIL UJI VALIDITAS ANGGKET RESILIENSI MATEMARIS SISWA MENGGUNAKAN SOFWEEERE STATISTIC (SPSS)

### Correlations

|     |                     | X01   | X02  | X03   | X04   | X05  | X06   | X07               | X08  | X09   | X10                | X11                | X12   | X13  | X14   | X15   | X16               | X17               | X18               | X19               | X20  | X21               | X22               | X23                | X24   | X25   | X26   | X27   | X28   | X29               | X30                 | X31               | X32                | X33  | X34   | X35               | X36               | TOTAL              |    |
|-----|---------------------|-------|------|-------|-------|------|-------|-------------------|------|-------|--------------------|--------------------|-------|------|-------|-------|-------------------|-------------------|-------------------|-------------------|------|-------------------|-------------------|--------------------|-------|-------|-------|-------|-------|-------------------|---------------------|-------------------|--------------------|------|-------|-------------------|-------------------|--------------------|----|
| X01 | Pearson Correlation | 1     | .251 | -.197 | -.008 | .034 | -.109 | .081              | .108 | .223  | -.336 <sup>*</sup> | -.338 <sup>*</sup> | .081  | .033 | -.208 | -.004 | -.027             | -.124             | .338 <sup>*</sup> | .353 <sup>*</sup> | .214 | .224              | .273              | .449 <sup>**</sup> | .076  | -.140 | -.007 | .182  | .191  | .174              | .065                | -.014             | .456 <sup>**</sup> | .110 | .239  | .042              | .153              | .367               |    |
|     | Sig. (2-tailed)     |       | .118 | .222  | .959  | .835 | .503  | .619              | .509 | .166  | .034               | .033               | .617  | .839 | .198  | .982  | .868              | .446              | .033              | .026              | .184 | .164              | .088              | .004               | .641  | .391  | .965  | .260  | .239  | .282              | .689                | .932              | .003               | .501 | .138  | .799              | .345              | .011               |    |
|     | N                   | 40    | 40   | 40    | 40    | 40   | 40    | 40                | 40   | 40    | 40                 | 40                 | 40    | 40   | 40    | 40    | 40                | 40                | 40                | 40                | 40   | 40                | 40                | 40                 | 40    | 40    | 40    | 40    | 40    | 40                | 40                  | 40                | 40                 | 40   | 40    | 40                | 40                | 40                 | 40 |
| X02 | Pearson Correlation | .251  | 1    | .137  | .099  | .298 | .212  | .256              | .257 | .113  | .070               | .232               | -.099 | .132 | -.166 | -.190 | .046              | .359 <sup>*</sup> | .232              | .154              | .261 | .310              | .501 <sup>*</sup> | .278               | -.012 | -.051 | .202  | .242  | .030  | .279              | -.029               | .279              | .338 <sup>*</sup>  | .312 | .242  | .376 <sup>*</sup> | .385 <sup>*</sup> | .556 <sup>**</sup> |    |
|     | Sig. (2-tailed)     | .118  |      | .399  | .543  | .062 | .190  | .110              | .109 | .489  | .666               | .149               | .545  | .417 | .307  | .241  | .777              | .023              | .149              | .343              | .103 | .051              | .001              | .082               | .941  | .757  | .211  | .132  | .852  | .081              | .859                | .082              | .033               | .050 | .132  | .017              | .014              | .000               |    |
|     | N                   | 40    | 40   | 40    | 40    | 40   | 40    | 40                | 40   | 40    | 40                 | 40                 | 40    | 40   | 40    | 40    | 40                | 40                | 40                | 40                | 40   | 40                | 40                | 40                 | 40    | 40    | 40    | 40    | 40    | 40                | 40                  | 40                | 40                 | 40   | 40    | 40                | 40                | 40                 | 40 |
| X03 | Pearson Correlation | -.197 | .137 | 1     | -.135 | .083 | .065  | .081              | .262 | -.134 | -.310              | -.078              | .073  | .092 | -.320 | -.340 | -.012             | .106              | -.078             | -.019             | .096 | -.062             | .032              | -.133              | .037  | -.031 | -.371 | .288  | -.305 | .204              | -.421 <sup>**</sup> | .015              | -.126              | .013 | -.103 | .337 <sup>*</sup> | .057              | .025               |    |
|     | Sig. (2-tailed)     | .222  | .399 |       | .405  | .612 | .690  | .621              | .103 | .408  | .052               | .630               | .656  | .572 | .044  | .032  | .941              | .516              | .630              | .908              | .557 | .706              | .846              | .414               | .821  | .850  | .018  | .071  | .056  | .207              | .007                | .929              | .438               | .938 | .529  | .033              | .726              | .876               |    |
|     | N                   | 40    | 40   | 40    | 40    | 40   | 40    | 40                | 40   | 40    | 40                 | 40                 | 40    | 40   | 40    | 40    | 40                | 40                | 40                | 40                | 40   | 40                | 40                | 40                 | 40    | 40    | 40    | 40    | 40    | 40                | 40                  | 40                | 40                 | 40   | 40    | 40                | 40                | 40                 | 40 |
| X04 | Pearson Correlation | -.008 | .099 | -.135 | 1     | .031 | .229  | .260              | .099 | -.119 | .233               | .227               | .283  | .020 | .027  | .307  | .346              | .041              | .227              | .126              | .246 | -.228             | .267              | .046               | .294  | .128  | .274  | -.080 | .105  | .110              | -.327 <sup>*</sup>  | -.116             | .292               | .235 | .254  | -.073             | -.194             | .295               |    |
|     | Sig. (2-tailed)     | .959  | .543 | .405  |       | .848 | .155  | .105              | .543 | .466  | .147               | .160               | .076  | .901 | .867  | .054  | .029              | .799              | .160              | .440              | .127 | .157              | .095              | .778               | .066  | .430  | .087  | .626  | .518  | .498              | .039                | .476              | .068               | .144 | .113  | .654              | .231              | .065               |    |
|     | N                   | 40    | 40   | 40    | 40    | 40   | 40    | 40                | 40   | 40    | 40                 | 40                 | 40    | 40   | 40    | 40    | 40                | 40                | 40                | 40                | 40   | 40                | 40                | 40                 | 40    | 40    | 40    | 40    | 40    | 40                | 40                  | 40                | 40                 | 40   | 40    | 40                | 40                | 40                 | 40 |
| X05 | Pearson Correlation | .034  | .298 | .083  | .031  | 1    | .158  | .369 <sup>*</sup> | .244 | -.130 | .245               | .029               | .174  | .125 | .112  | -.097 | .395 <sup>*</sup> | .212              | .029              | .068              | .181 | .330 <sup>*</sup> | .213              | .113               | .172  | .144  | -.027 | .181  | .086  | .367 <sup>*</sup> | -.082               | .370 <sup>*</sup> | .321 <sup>*</sup>  | .177 | .018  | .128              | .107              | .428 <sup>**</sup> |    |
|     | Sig. (2-tailed)     | .835  | .062 | .612  | .848  |      | .329  | .019              | .130 | .422  | .128               | .860               | .284  | .443 | .491  | .553  | .012              | .188              | .860              | .677              | .262 | .038              | .188              | .488               | .289  | .377  | .867  | .263  | .597  | .020              | .614                | .019              | .044               | .274 | .914  | .430              | .510              | .006               |    |
|     | N                   | 40    | 40   | 40    | 40    | 40   | 40    | 40                | 40   | 40    | 40                 | 40                 | 40    | 40   | 40    | 40    | 40                | 40                | 40                | 40                | 40   | 40                | 40                | 40                 | 40    | 40    | 40    | 40    | 40    | 40                | 40                  | 40                | 40                 | 40   | 40    | 40                | 40                | 40                 | 40 |



|     |                     |       |       |        |       |       |        |        |       |        |        |       |        |        |        |      |      |       |        |        |       |       |       |       |        |        |       |       |       |        |       |       |        |        |        |       |        |        |
|-----|---------------------|-------|-------|--------|-------|-------|--------|--------|-------|--------|--------|-------|--------|--------|--------|------|------|-------|--------|--------|-------|-------|-------|-------|--------|--------|-------|-------|-------|--------|-------|-------|--------|--------|--------|-------|--------|--------|
|     | N                   | 40    | 40    | 40     | 40    | 40    | 40     | 40     | 40    | 40     | 40     | 40    | 40     | 40     | 40     | 40   | 40   | 40    | 40     | 40     | 40    | 40    | 40    | 40    | 40     | 40     | 40    | 40    | 40    | 40     | 40    | 40    | 40     | 40     | 40     | 40    |        |        |
| X12 | Pearson Correlation | .081  | -.099 | -.073  | .283  | .174  | .388*  | .019   | -.127 | -.070  | .396   | -.131 | 1      | .061   | .175   | .010 | .044 | .367* | -.131  | .284   | -.280 | .237  | .135  | -.242 | .078   | .384*  | .134  | -.049 | .105  | .001   | .020  | .038  | .203   | -.219  | .226   | .064  | .203   | .259*  |
|     | Sig. (2-tailed)     | .617  | .545  | .656   | .076  | .284  | .013   | .909   | .435  | .666   | .011   | .422  |        | .710   | .280   | .951 | .787 | .020  | .422   | .075   | .080  | .142  | .408  | .133  | .634   | .015   | .410  | .764  | .520  | .996   | .903  | .814  | .208   | .174   | .160   | .696  | .209   | .107   |
|     | N                   | 40    | 40    | 40     | 40    | 40    | 40     | 40     | 40    | 40     | 40     | 40    | 40     | 40     | 40     | 40   | 40   | 40    | 40     | 40     | 40    | 40    | 40    | 40    | 40     | 40     | 40    | 40    | 40    | 40     | 40    | 40    | 40     | 40     | 40     | 40    | 40     | 40     |
| X13 | Pearson Correlation | .033  | .132  | -.092  | .020  | .125  | .473** | .110   | -.395 | .146   | .368   | .075  | .061   | 1      | .437** | .278 | .304 | .386* | .075   | .523** | -.043 | .318* | .287  | .244  | .112   | -.318* | .196  | .180  | .140  | .405** | .107  | .163  | .492** | .083   | .476** | .130  | .459** | .560** |
|     | Sig. (2-tailed)     | .839  | .417  | .572   | .901  | .443  | .002   | .501   | .012  | .368   | .019   | .647  | .710   |        | .005   | .082 | .057 | .014  | .647   | .001   | .793  | .045  | .073  | .129  | .493   | .045   | .227  | .265  | .389  | .010   | .512  | .315  | .001   | .610   | .002   | .426  | .003   | .000   |
|     | N                   | 40    | 40    | 40     | 40    | 40    | 40     | 40     | 40    | 40     | 40     | 40    | 40     | 40     | 40     | 40   | 40   | 40    | 40     | 40     | 40    | 40    | 40    | 40    | 40     | 40     | 40    | 40    | 40    | 40     | 40    | 40    | 40     | 40     | 40     | 40    | 40     | 40     |
| X14 | Pearson Correlation | .208  | .166  | -.320* | .027  | .112  | .231   | .415** | -.355 | .031   | .331   | .008  | .175   | .437** | 1      | .230 | .166 | .297  | .008   | .178   | .014  | .242  | -.014 | .296  | .411** | .209   | .024  | .053  | .126  | .246   | .168  | .092  | .127   | -.155  | .170   | -.212 | .244   | .397*  |
|     | Sig. (2-tailed)     | .198  | .307  | .044   | .867  | .491  | .152   | .008   | .025  | .849   | .037   | .959  | .280   | .005   |        | .154 | .305 | .062  | .959   | .271   | .930  | .133  | .930  | .064  | .008   | .195   | .883  | .746  | .439  | .125   | .301  | .571  | .433   | .340   | .295   | .189  | .130   | .011   |
|     | N                   | 40    | 40    | 40     | 40    | 40    | 40     | 40     | 40    | 40     | 40     | 40    | 40     | 40     | 40     | 40   | 40   | 40    | 40     | 40     | 40    | 40    | 40    | 40    | 40     | 40     | 40    | 40    | 40    | 40     | 40    | 40    | 40     | 40     | 40     | 40    | 40     | 40     |
| X15 | Pearson Correlation | -.004 | .190  | -.340* | .307  | -.097 | .283   | .044   | -.248 | .459** | .103   | .245  | .010   | .278   | .230   | 1    | .121 | .041  | .245   | .160   | .037  | .130  | .295  | .345* | -.167  | -.150  | .387* | -.009 | -.140 | .030   | .092  | .006  | .097   | .104   | .303   | -.094 | .238   | .313*  |
|     | Sig. (2-tailed)     | .982  | .241  | .032   | .054  | .553  | .076   | .786   | .123  | .003   | .526   | .128  | .951   | .082   | .154   |      | .455 | .801  | .128   | .323   | .819  | .425  | .065  | .029  | .303   | .357   | .014  | .955  | .390  | .852   | .574  | .972  | .550   | .523   | .058   | .565  | .139   | .049   |
|     | N                   | 40    | 40    | 40     | 40    | 40    | 40     | 40     | 40    | 40     | 40     | 40    | 40     | 40     | 40     | 40   | 40   | 40    | 40     | 40     | 40    | 40    | 40    | 40    | 40     | 40     | 40    | 40    | 40    | 40     | 40    | 40    | 40     | 40     | 40     | 40    | 40     | 40     |
| X16 | Pearson Correlation | -.027 | .046  | -.012  | .346* | .395* | .052   | -.370  | .077  | -.199  | .612** | -.348 | .044   | .304   | .166   | .121 | 1    | -.179 | .348*  | -.076  | .314  | -.198 | .129  | -.107 | -.007  | -.016  | .053  | -.150 | .148  | .089   | -.197 | .102  | .323*  | .366*  | .147   | -.076 | -.193  | .298*  |
|     | Sig. (2-tailed)     | .868  | .777  | .941   | .029  | .012  | .751   | .019   | .636  | .218   | .000   | .028  | .787   | .057   | .305   | .455 |      | .268  | .028   | .639   | .048  | .220  | .428  | .510  | .968   | .920   | .745  | .355  | .363  | .586   | .223  | .529  | .042   | .020   | .365   | .639  | .232   | .061   |
|     | N                   | 40    | 40    | 40     | 40    | 40    | 40     | 40     | 40    | 40     | 40     | 40    | 40     | 40     | 40     | 40   | 40   | 40    | 40     | 40     | 40    | 40    | 40    | 40    | 40     | 40     | 40    | 40    | 40    | 40     | 40    | 40    | 40     | 40     | 40     | 40    | 40     | 40     |
| X17 | Pearson Correlation | .124  | .359* | .106   | .041  | .212  | .423** | .311   | -.314 | .004   | .052   | -.403 | -.367* | .386*  | .297   | .041 | 1    | -.179 | .403** | .377*  | -.170 | .369* | .233  | .229  | .247   | .024   | .082  | .308  | .191  | .501** | .082  | -.017 | .232   | -.385* | .006   | .194  | .512** | .394*  |
|     | Sig. (2-tailed)     | .446  | .023  | .516   | .799  | .188  | .007   | .051   | .048  | .981   | .752   | .010  | .020   | .014   | .062   | .801 | .268 |       | .010   | .017   | .296  | .019  | .148  | .156  | .124   | .884   | .616  | .053  | .239  | .001   | .616  | .915  | .150   | .014   | .971   | .231  | .001   | .012   |











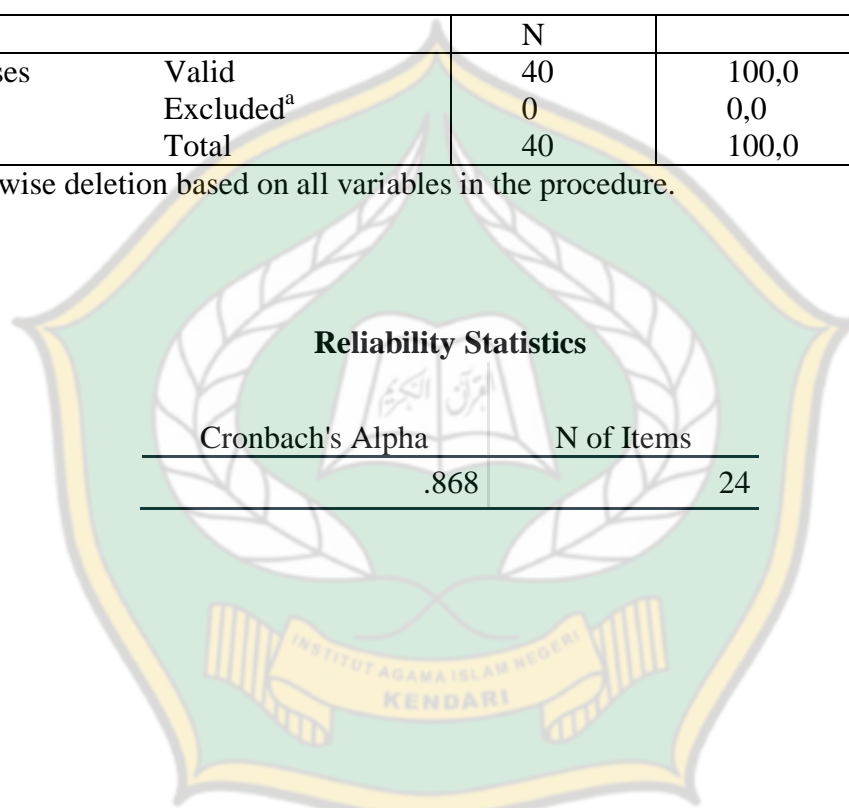
## LAMPIRAN 2.C

### HASIL UJI RELIABILITAS ANGGKET RESILIENSI MATEMATIS SISWA

#### Case Processing Summary

|       |                       | N  |       |
|-------|-----------------------|----|-------|
| Cases | Valid                 | 40 | 100,0 |
|       | Excluded <sup>a</sup> | 0  | 0,0   |
|       | Total                 | 40 | 100,0 |

a Listwise deletion based on all variables in the procedure.



**Reliability Statistics**

| Cronbach's Alpha | N of Items |
|------------------|------------|
| .868             | 24         |

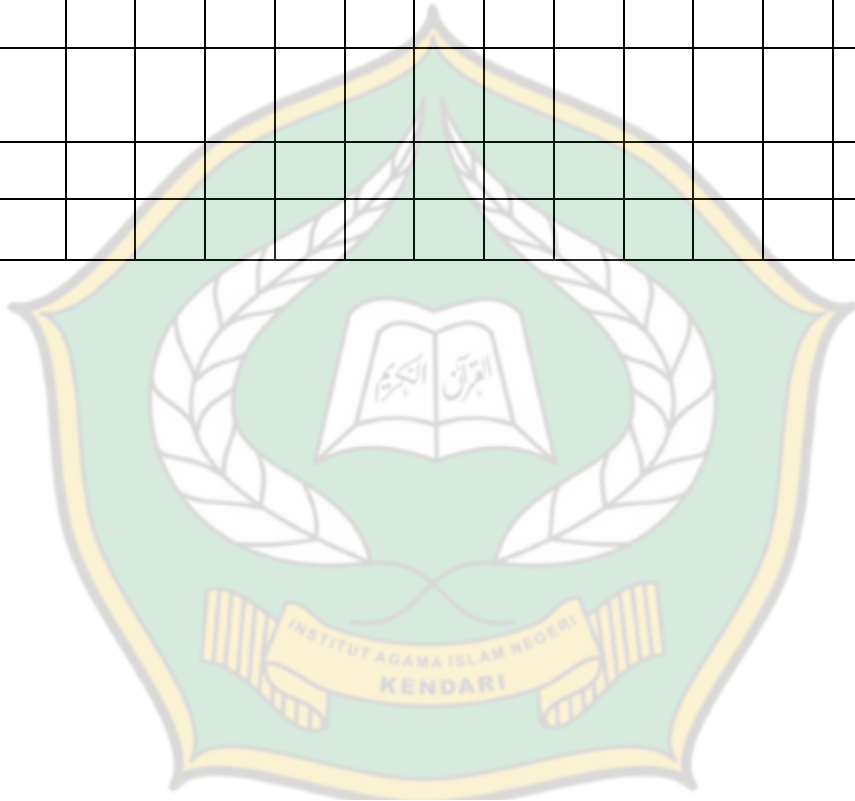
**LAMPIRAN 2. D**

**HASIL UJI RELIABILITAS ANGKET RESILIENSI MATEMATIS SISWA**

| No | X1 | X2 | X3 | X4 | X5 | X6 | X7 | X8 | X9 | X10 | X11 | X12 | X13 | X14 | X15 | X16 | X17 | X18 | X19 | X20 | X21 | X22 | X23 | X24 | SKOR |
|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| 1  | 3  | 3  | 3  | 2  | 2  | 3  | 3  | 2  | 2  | 3   | 2   | 3   | 1   | 3   | 3   | 3   | 3   | 2   | 2   | 3   | 3   | 3   | 2   | 2   | 52   |
| 2  | 3  | 3  | 4  | 1  | 2  | 3  | 4  | 4  | 2  | 3   | 2   | 4   | 1   | 2   | 3   | 2   | 3   | 3   | 1   | 4   | 3   | 3   | 1   | 2   | 53   |
| 3  | 3  | 3  | 3  | 2  | 2  | 3  | 2  | 2  | 2  | 3   | 3   | 2   | 2   | 3   | 3   | 3   | 3   | 2   | 2   | 2   | 2   | 3   | 2   | 2   | 50   |
| 4  | 3  | 4  | 4  | 3  | 3  | 2  | 4  | 2  | 3  | 3   | 3   | 4   | 2   | 2   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 61   |
| 5  | 3  | 4  | 4  | 2  | 2  | 3  | 4  | 2  | 3  | 3   | 3   | 4   | 2   | 2   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 60   |
| 6  | 3  | 2  | 3  | 3  | 3  | 3  | 3  | 2  | 2  | 2   | 1   | 3   | 3   | 2   | 3   | 3   | 2   | 3   | 4   | 3   | 3   | 3   | 2   | 1   | 54   |
| 7  | 3  | 4  | 3  | 2  | 2  | 3  | 3  | 1  | 1  | 3   | 2   | 3   | 1   | 1   | 4   | 2   | 4   | 2   | 2   | 4   | 3   | 4   | 1   | 1   | 49   |
| 8  | 4  | 4  | 3  | 1  | 4  | 3  | 3  | 2  | 4  | 3   | 3   | 3   | 2   | 4   | 3   | 3   | 3   | 3   | 2   | 3   | 2   | 1   | 1   | 3   | 56   |
| 9  | 2  | 3  | 1  | 3  | 1  | 1  | 3  | 2  | 2  | 4   | 1   | 3   | 2   | 1   | 3   | 2   | 3   | 2   | 1   | 4   | 2   | 4   | 2   | 3   | 49   |
| 10 | 4  | 3  | 3  | 3  | 2  | 4  | 3  | 3  | 3  | 2   | 3   | 3   | 3   | 1   | 4   | 2   | 2   | 2   | 3   | 4   | 4   | 3   | 3   | 3   | 60   |
| 11 | 3  | 4  | 4  | 4  | 4  | 4  | 4  | 3  | 3  | 2   | 3   | 4   | 3   | 3   | 3   | 2   | 4   | 4   | 4   | 4   | 4   | 4   | 3   | 3   | 72   |
| 12 | 4  | 3  | 4  | 2  | 3  | 3  | 4  | 2  | 3  | 4   | 2   | 4   | 2   | 2   | 3   | 3   | 2   | 3   | 3   | 3   | 3   | 3   | 2   | 2   | 58   |
| 13 | 4  | 3  | 3  | 3  | 3  | 4  | 3  | 3  | 3  | 2   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 4   | 3   | 3   | 3   | 64   |
| 14 | 3  | 2  | 3  | 3  | 2  | 2  | 3  | 2  | 3  | 3   | 2   | 3   | 3   | 3   | 3   | 2   | 4   | 4   | 2   | 3   | 2   | 1   | 2   | 4   | 56   |
| 15 | 4  | 3  | 2  | 2  | 1  | 1  | 2  | 1  | 2  | 2   | 3   | 2   | 2   | 4   | 2   | 3   | 2   | 4   | 2   | 3   | 2   | 1   | 1   | 3   | 45   |
| 16 | 4  | 3  | 3  | 1  | 1  | 3  | 3  | 3  | 3  | 2   | 2   | 3   | 2   | 2   | 3   | 3   | 3   | 1   | 3   | 3   | 3   | 4   | 2   | 2   | 52   |
| 17 | 3  | 3  | 3  | 4  | 1  | 4  | 4  | 4  | 2  | 4   | 3   | 4   | 4   | 3   | 4   | 3   | 4   | 3   | 4   | 3   | 3   | 3   | 4   | 4   | 72   |
| 18 | 3  | 3  | 4  | 4  | 3  | 3  | 3  | 4  | 2  | 3   | 3   | 3   | 4   | 4   | 3   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 75   |
| 19 | 3  | 3  | 3  | 3  | 2  | 2  | 4  | 3  | 3  | 3   | 1   | 4   | 3   | 3   | 3   | 3   | 3   | 3   | 2   | 3   | 3   | 3   | 4   | 2   | 60   |
| 20 | 3  | 2  | 2  | 3  | 4  | 3  | 2  | 3  | 4  | 4   | 4   | 2   | 2   | 1   | 2   | 4   | 4   | 3   | 4   | 2   | 3   | 1   | 1   | 2   | 58   |

|              |       |       |       |       |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |      |       |         |
|--------------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|---------|
| 21           | 3     | 4     | 4     | 3     | 3    | 3     | 4     | 2     | 3     | 3     | 3     | 4     | 2     | 2     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3    | 3     | 62      |
| 22           | 4     | 4     | 3     | 4     | 2    | 4     | 4     | 4     | 4     | 4     | 3     | 4     | 4     | 4     | 4     | 4     | 3     | 4     | 4     | 4     | 3     | 4     | 4    | 79    |         |
| 23           | 4     | 3     | 3     | 2     | 3    | 4     | 4     | 1     | 2     | 3     | 1     | 4     | 2     | 1     | 3     | 2     | 4     | 2     | 1     | 3     | 3     | 4     | 2    | 3     | 54      |
| 24           | 4     | 3     | 3     | 3     | 2    | 3     | 4     | 2     | 3     | 3     | 3     | 4     | 3     | 2     | 4     | 4     | 3     | 3     | 2     | 4     | 3     | 4     | 2    | 2     | 63      |
| 25           | 4     | 4     | 2     | 3     | 2    | 2     | 4     | 3     | 2     | 4     | 3     | 4     | 4     | 3     | 4     | 3     | 3     | 3     | 1     | 1     | 4     | 3     | 4    | 4     | 64      |
| 26           | 3     | 3     | 4     | 3     | 2    | 4     | 3     | 2     | 4     | 4     | 1     | 3     | 1     | 4     | 3     | 3     | 3     | 1     | 1     | 4     | 3     | 4     | 2    | 2     | 57      |
| 27           | 3     | 4     | 4     | 4     | 3    | 2     | 1     | 3     | 3     | 3     | 4     | 1     | 3     | 4     | 4     | 3     | 3     | 3     | 4     | 4     | 3     | 3     | 1    | 4     | 63      |
| 28           | 3     | 4     | 4     | 4     | 3    | 2     | 1     | 3     | 3     | 3     | 4     | 1     | 3     | 4     | 4     | 3     | 3     | 3     | 4     | 4     | 3     | 2     | 1    | 4     | 62      |
| 29           | 3     | 4     | 4     | 4     | 3    | 2     | 1     | 3     | 3     | 3     | 4     | 1     | 3     | 4     | 4     | 3     | 3     | 3     | 4     | 4     | 3     | 2     | 1    | 4     | 62      |
| 30           | 3     | 3     | 3     | 3     | 2    | 3     | 2     | 2     | 3     | 2     | 3     | 2     | 3     | 3     | 3     | 2     | 3     | 2     | 2     | 3     | 3     | 2     | 2    | 3     | 53      |
| 31           | 3     | 3     | 3     | 3     | 2    | 3     | 2     | 3     | 3     | 3     | 3     | 2     | 3     | 3     | 3     | 2     | 3     | 2     | 2     | 3     | 3     | 2     | 2    | 3     | 55      |
| 32           | 4     | 4     | 4     | 4     | 3    | 4     | 3     | 3     | 3     | 4     | 4     | 3     | 4     | 4     | 4     | 3     | 4     | 3     | 4     | 4     | 4     | 3     | 4    | 3     | 75      |
| 33           | 3     | 3     | 3     | 3     | 1    | 3     | 3     | 2     | 1     | 3     | 3     | 3     | 2     | 3     | 3     | 2     | 3     | 2     | 2     | 3     | 3     | 2     | 2    | 3     | 52      |
| 34           | 3     | 2     | 3     | 3     | 2    | 3     | 2     | 3     | 3     | 3     | 3     | 2     | 3     | 3     | 3     | 2     | 3     | 2     | 2     | 3     | 3     | 2     | 2    | 3     | 55      |
| 35           | 3     | 2     | 4     | 3     | 2    | 3     | 2     | 3     | 3     | 3     | 3     | 2     | 3     | 3     | 3     | 2     | 2     | 2     | 2     | 3     | 3     | 2     | 2    | 3     | 54      |
| 36           | 4     | 4     | 4     | 3     | 4    | 3     | 4     | 3     | 3     | 3     | 3     | 4     | 4     | 4     | 3     | 4     | 2     | 4     | 3     | 3     | 4     | 4     | 2    | 4     | 71      |
| 37           | 4     | 3     | 4     | 3     | 1    | 2     | 3     | 1     | 1     | 3     | 2     | 3     | 4     | 4     | 4     | 4     | 4     | 3     | 4     | 4     | 4     | 3     | 2    | 3     | 62      |
| 38           | 4     | 4     | 3     | 4     | 2    | 4     | 4     | 4     | 4     | 4     | 3     | 4     | 4     | 4     | 4     | 4     | 4     | 3     | 4     | 4     | 4     | 3     | 4    | 4     | 79      |
| 39           | 4     | 4     | 3     | 4     | 2    | 4     | 4     | 4     | 4     | 4     | 3     | 4     | 4     | 4     | 4     | 4     | 4     | 3     | 4     | 4     | 4     | 4     | 4    | 4     | 80      |
| 40           | 3     | 3     | 3     | 3     | 2    | 3     | 2     | 3     | 3     | 3     | 3     | 2     | 3     | 3     | 3     | 2     | 3     | 2     | 2     | 3     | 3     | 2     | 2    | 3     | 55      |
| SKOR         | 134   | 130   | 130   | 117   | 93   | 118   | 121   | 104   | 110   | 123   | 108   | 121   | 109   | 115   | 131   | 115   | 126   | 109   | 109   | 132   | 126   | 114   | 94   | 118   | 2413    |
| $(\sum X)^2$ | 17956 | 16900 | 16900 | 13689 | 8649 | 13924 | 14641 | 10816 | 12100 | 15129 | 11664 | 14641 | 11881 | 13225 | 17161 | 13225 | 15876 | 11881 | 11881 | 17424 | 15876 | 12996 | 8836 | 13924 | 5822569 |
| $\sum X^2$   | 460   | 440   | 440   | 371   | 245  | 374   | 401   | 300   | 328   | 320   | 331   | 401   | 331   | 371   | 441   | 371   | 341   | 331   | 331   | 262   | 341   | 358   | 262  | 374   | 148697  |

|                      |               |      |      |      |      |      |      |      |      |       |      |      |      |      |      |      |       |      |      |       |       |      |      |      |                 |
|----------------------|---------------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|-------|------|------|-------|-------|------|------|------|-----------------|
| N                    | 40            | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40    | 40   | 40   | 40   | 40   | 40   | 40   | 40    | 40   | 40   | 40    | 40    | 40   | 40   | 40   |                 |
| $\sigma_{bi}^2$      | 0,28          | 0,44 | 0,44 | 0,72 | 0,72 | 0,65 | 0,87 | 0,74 | 0,64 | -1,46 | 0,98 | 0,87 | 0,85 | 1,01 | 0,30 | 1,01 | -1,40 | 0,85 | 0,85 | -4,34 | -1,40 | 0,83 | 1,03 | 0,65 | 78,319375       |
| $\sum \sigma_{bi}^2$ | 6,13          |      |      |      |      |      |      |      |      |       |      |      |      |      |      |      |       |      |      |       |       |      |      |      | $\sum \sigma^2$ |
| k                    | 24            |      |      |      |      |      |      |      |      |       |      |      |      |      |      |      |       |      |      |       |       |      |      |      |                 |
| r                    | 0,961830965   |      |      |      |      |      |      |      |      |       |      |      |      |      |      |      |       |      |      |       |       |      |      |      |                 |
| Kriteria             | sangat tinggi |      |      |      |      |      |      |      |      |       |      |      |      |      |      |      |       |      |      |       |       |      |      |      |                 |



## UJI RELIABILITAS ANGKET RESILIENSI MATEMATIS SISWA

Diketahui :

$$r = 24$$

$$\sigma_{b_i}^2 = 6,128125$$

$$\sigma_i^2 = 78,319375$$

Penyelesaian:

$$r_i = \frac{k}{(k-1)} \left[ 1 - \frac{\sum \sigma_{b_i}^2}{\sigma_i^2} \right]$$

$$r = \frac{24}{(24-1)} \left[ 1 - \frac{6,128125}{78,319375} \right]$$

$$r = \frac{24}{23} [1 - 0,078245326]$$

$$r = (1,0435)(0,9217587)$$

$$r = 0,961831$$

Jadi, karena nilai hitung  $>0,6$  maka hasil uji reliabilitas angket resiliensi matematis siswa dinyatakan reliabel dengan kriteria sangat tinggi.

# LAMPIRAN 2.E

## TABULASI UJI COBA ANKET MINAT BELAJAR MATEMATIKA SISWA

| responden | Item Soal |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |         |        |        |        |        |        |        |        | Total |    |     |     |     |
|-----------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|--------|--------|--------|--------|--------|--------|-------|----|-----|-----|-----|
|           | 1         | 2      | 3      | 4      | 5      | 6      | 7      | 8      | 9      | 10     | 11     | 12     | 13     | 14     | 15     | 16     | 17     | 18     | 19     | 20     | 21     | 22     | 23     | 24     | 25     | 26     | 27      | 28     | 29     | 30     | 31     | 32     | 33     | 34     |       |    |     |     |     |
| 1         | 3         | 2      | 2      | 3      | 3      | 3      | 2      | 3      | 2      | 2      | 3      | 3      | 3      | 2      | 3      | 3      | 2      | 3      | 2      | 2      | 3      | 2      | 3      | 2      | 2      | 3      | 2       | 2      | 3      | 2      | 2      | 2      | 2      | 2      | 2     | 3  | 3   | 86  |     |
| 2         | 2         | 2      | 2      | 1      | 2      | 2      | 2      | 3      | 2      | 2      | 3      | 3      | 3      | 2      | 2      | 3      | 2      | 2      | 3      | 3      | 2      | 2      | 3      | 2      | 2      | 2      | 2       | 3      | 2      | 2      | 4      | 2      | 4      | 1      | 1     | 78 |     |     |     |
| 3         | 3         | 3      | 3      | 3      | 2      | 4      | 2      | 2      | 4      | 1      | 3      | 2      | 3      | 3      | 4      | 3      | 3      | 4      | 3      | 1      | 3      | 4      | 3      | 3      | 2      | 3      | 2       | 1      | 2      | 4      | 2      | 1      | 2      | 3      | 3     | 91 |     |     |     |
| 4         | 3         | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 2      | 3      | 3      | 3      | 3      | 3      | 2      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 2      | 3       | 3      | 2      | 3      | 3      | 2      | 3      | 3      | 3     | 97 |     |     |     |
| 5         | 3         | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 2      | 3      | 3      | 3      | 3      | 3      | 2      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 2      | 3      | 3       | 2      | 3      | 3      | 2      | 3      | 3      | 2      | 3     | 3  | 97  |     |     |
| 6         | 3         | 3      | 3      | 2      | 3      | 3      | 2      | 4      | 2      | 2      | 2      | 3      | 4      | 2      | 3      | 4      | 1      | 3      | 2      | 3      | 2      | 2      | 4      | 2      | 2      | 3      | 3       | 2      | 2      | 2      | 1      | 2      | 3      | 3      | 3     | 87 |     |     |     |
| 7         | 3         | 2      | 4      | 3      | 3      | 3      | 1      | 3      | 1      | 3      | 3      | 3      | 3      | 1      | 3      | 3      | 2      | 3      | 2      | 1      | 4      | 2      | 3      | 1      | 2      | 3      | 3       | 1      | 3      | 2      | 1      | 3      | 2      | 1      | 3     | 3  | 80  |     |     |
| 8         | 4         | 1      | 2      | 3      | 4      | 1      | 4      | 3      | 2      | 2      | 2      | 4      | 4      | 2      | 2      | 3      | 4      | 4      | 3      | 1      | 2      | 1      | 2      | 1      | 2      | 4      | 3       | 3      | 3      | 4      | 1      | 2      | 3      | 4      | 1     | 2  | 3   | 89  |     |
| 9         | 2         | 2      | 2      | 2      | 3      | 3      | 1      | 1      | 2      | 3      | 3      | 2      | 4      | 2      | 2      | 4      | 2      | 3      | 3      | 2      | 3      | 2      | 3      | 2      | 3      | 2      | 1       | 1      | 4      | 2      | 3      | 1      | 2      | 3      | 1     | 4  | 80  |     |     |
| 10        | 4         | 2      | 4      | 3      | 3      | 4      | 3      | 4      | 2      | 3      | 4      | 3      | 4      | 1      | 3      | 4      | 2      | 4      | 2      | 1      | 3      | 1      | 3      | 1      | 2      | 4      | 3       | 1      | 3      | 1      | 2      | 1      | 3      | 3      | 3     | 91 |     |     |     |
| 11        | 4         | 4      | 4      | 3      | 4      | 4      | 2      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 3      | 4      | 4      | 4       | 2      | 4      | 4      | 4      | 4      | 4      | 4      | 4     | 4  | 130 |     |     |
| 12        | 3         | 2      | 3      | 3      | 3      | 3      | 1      | 4      | 1      | 1      | 3      | 4      | 4      | 2      | 4      | 4      | 1      | 3      | 1      | 1      | 3      | 3      | 4      | 2      | 2      | 4      | 4       | 2      | 3      | 2      | 1      | 1      | 4      | 4      | 4     | 90 |     |     |     |
| 13        | 4         | 2      | 2      | 2      | 3      | 2      | 2      | 1      | 1      | 3      | 3      | 2      | 3      | 4      | 3      | 2      | 4      | 3      | 2      | 1      | 4      | 3      | 3      | 3      | 3      | 2      | 3       | 3      | 1      | 1      | 2      | 2      | 3      | 3      | 2     | 3  | 84  |     |     |
| 14        | 3         | 3      | 1      | 1      | 4      | 3      | 3      | 3      | 3      | 3      | 2      | 3      | 3      | 3      | 2      | 2      | 3      | 3      | 3      | 4      | 2      | 2      | 4      | 2      | 3      | 3      | 2       | 4      | 1      | 1      | 2      | 2      | 3      | 2      | 2     | 2  | 88  |     |     |
| 15        | 4         | 2      | 2      | 1      | 1      | 2      | 2      | 4      | 2      | 3      | 1      | 2      | 3      | 1      | 3      | 2      | 2      | 1      | 3      | 2      | 2      | 4      | 2      | 3      | 4      | 3      | 3       | 2      | 4      | 2      | 2      | 1      | 2      | 2      | 1     | 2  | 78  |     |     |
| 16        | 2         | 3      | 2      | 2      | 3      | 3      | 2      | 3      | 2      | 2      | 3      | 3      | 3      | 2      | 2      | 1      | 4      | 2      | 2      | 3      | 2      | 3      | 2      | 3      | 1      | 2      | 4       | 3      | 1      | 3      | 1      | 1      | 2      | 4      | 3     | 81 |     |     |     |
| 17        | 4         | 4      | 4      | 3      | 4      | 3      | 2      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 3      | 4      | 3      | 4      | 4      | 2       | 4      | 1      | 1      | 4      | 4      | 4      | 4      | 4     | 4  | 119 |     |     |
| 18        | 4         | 3      | 3      | 4      | 3      | 4      | 2      | 3      | 3      | 3      | 4      | 4      | 4      | 3      | 4      | 4      | 4      | 4      | 2      | 4      | 3      | 3      | 3      | 2      | 4      | 3      | 4       | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4     | 4  | 117 |     |     |
| 19        | 4         | 3      | 3      | 3      | 3      | 3      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 2      | 3      | 3      | 4      | 4      | 4      | 4      | 4      | 4       | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4     | 4  | 124 |     |     |
| 20        | 3         | 1      | 4      | 1      | 1      | 2      | 2      | 4      | 2      | 3      | 1      | 2      | 3      | 4      | 3      | 2      | 4      | 2      | 2      | 1      | 3      | 3      | 1      | 3      | 2      | 3      | 1       | 1      | 3      | 1      | 2      | 4      | 4      | 4      | 1     | 79 |     |     |     |
| 21        | 3         | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 2      | 3      | 3      | 3      | 3      | 3      | 3      | 2      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 2       | 3      | 3      | 2      | 3      | 3      | 3      | 2      | 3     | 3  | 97  |     |     |
| 22        | 4         | 4      | 4      | 3      | 4      | 4      | 3      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 3      | 4      | 4      | 4      | 4      | 4      | 4      | 4       | 2      | 4      | 3      | 4      | 4      | 4      | 4      | 3     | 4  | 126 |     |     |
| 23        | 3         | 3      | 3      | 3      | 3      | 3      | 3      | 4      | 3      | 3      | 3      | 3      | 3      | 1      | 4      | 3      | 3      | 4      | 2      | 1      | 3      | 1      | 3      | 1      | 3      | 1      | 2       | 4      | 3      | 1      | 3      | 1      | 2      | 1      | 3     | 4  | 90  |     |     |
| 24        | 4         | 1      | 3      | 4      | 3      | 4      | 3      | 4      | 2      | 1      | 3      | 4      | 3      | 3      | 4      | 3      | 2      | 4      | 3      | 1      | 3      | 3      | 4      | 3      | 1      | 4      | 3       | 2      | 4      | 2      | 3      | 1      | 3      | 3      | 3     | 98 |     |     |     |
| 25        | 4         | 2      | 3      | 3      | 3      | 2      | 1      | 2      | 1      | 2      | 4      | 4      | 3      | 1      | 3      | 3      | 1      | 3      | 3      | 1      | 2      | 2      | 1      | 3      | 1      | 2      | 4       | 3      | 1      | 3      | 1      | 2      | 2      | 1      | 2     | 4  | 78  |     |     |
| 26        | 4         | 4      | 4      | 3      | 3      | 3      | 4      | 3      | 4      | 3      | 4      | 4      | 4      | 4      | 2      | 3      | 3      | 3      | 2      | 3      | 3      | 4      | 4      | 4      | 4      | 4      | 4       | 4      | 3      | 3      | 4      | 3      | 3      | 4      | 3     | 4  | 117 |     |     |
| 27        | 4         | 4      | 4      | 3      | 3      | 4      | 3      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 2      | 3      | 2      | 3      | 3      | 4      | 2      | 4      | 3       | 4      | 4      | 3      | 4      | 4      | 3      | 4      | 4     | 3  | 4   | 119 |     |
| 28        | 4         | 4      | 4      | 3      | 3      | 3      | 4      | 3      | 4      | 3      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 2      | 4      | 3      | 3      | 4      | 4      | 4      | 4      | 1       | 4      | 3      | 3      | 4      | 3      | 3      | 4      | 3     | 4  | 115 |     |     |
| 29        | 3         | 3      | 3      | 3      | 2      | 3      | 2      | 2      | 2      | 2      | 3      | 3      | 3      | 2      | 3      | 3      | 2      | 3      | 3      | 2      | 2      | 2      | 2      | 2      | 2      | 2      | 2       | 3      | 3      | 2      | 3      | 3      | 3      | 3      | 3     | 2  | 3   | 87  |     |
| 30        | 3         | 3      | 3      | 3      | 2      | 3      | 2      | 2      | 2      | 2      | 3      | 3      | 3      | 2      | 3      | 3      | 2      | 2      | 3      | 2      | 2      | 2      | 2      | 2      | 2      | 2      | 2       | 3      | 3      | 2      | 2      | 2      | 2      | 2      | 2     | 2  | 3   | 84  |     |
| 31        | 3         | 3      | 3      | 3      | 2      | 3      | 2      | 2      | 2      | 2      | 3      | 3      | 3      | 2      | 3      | 3      | 2      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 2      | 3       | 2      | 3      | 3      | 3      | 3      | 3      | 3      | 3     | 2  | 3   | 92  |     |
| 32        | 3         | 2      | 3      | 4      | 4      | 3      | 4      | 2      | 3      | 4      | 4      | 3      | 3      | 4      | 4      | 4      | 4      | 4      | 3      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4       | 4      | 3      | 4      | 4      | 4      | 4      | 4      | 4     | 4  | 121 |     |     |
| 33        | 3         | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 2      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 2       | 3      | 2      | 3      | 3      | 3      | 3      | 3      | 3     | 2  | 3   | 98  |     |
| 34        | 3         | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 2      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 2       | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3     | 2  | 3   | 98  |     |
| 35        | 3         | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 2      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 2       | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3     | 2  | 3   | 98  |     |
| 36        | 4         | 3      | 4      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 4      | 4      | 4      | 3      | 3      | 3      | 3      | 3      | 4      | 3      | 3      | 3      | 3      | 4      | 3      | 3       | 4      | 4      | 3      | 3      | 4      | 3      | 4      | 3     | 4  | 3   | 4   | 113 |
| 37        | 4         | 4      | 3      | 3      | 4      | 4      | 3      | 4      | 4      | 1      | 4      | 4      | 1      | 1      | 4      | 4      | 1      | 4      | 4      | 3      | 2      | 4      | 2      | 4      | 2      | 3      | 3       | 4      | 4      | 3      | 3      | 4      | 4      | 4      | 4     | 4  | 3   | 109 |     |
| 38        | 3         | 4      | 3      | 3      | 4      | 4      | 3      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 3      | 3      | 4      | 3      | 4      | 4      | 4      | 4      | 2       | 4      | 3      | 4      | 4      | 4      | 4      | 4      | 4     | 3  | 4   | 123 |     |
| 39        | 4         | 4      | 4      | 3      | 4      | 4      | 3      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 3      | 4      | 3      | 4      | 4      | 4      | 4      | 4       | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4     | 4  | 4   | 126 |     |
| 40        | 3         | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 2      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3       | 2      | 3      | 3      | 3      | 3      | 3      | 3      | 3     | 2  | 3   | 98  |     |
| r hitung  | 0,5322    | 0,6803 | 0,5572 | 0,5309 | 0,5971 | 0,5863 | 0,5538 | 0,3904 | 0,8186 | 0,6591 | 0,6957 | 0,6772 | 0,3037 | 0,7509 | 0,4969 | 0,5789 | 0,3884 | 0,3966 | 0,3904 | 0,6954 | 0,2996 | 0,7616 | 0,3829 | 0,7545 | 0,4074 | 0,4767 | -0,0170 | 0,6061 | 0,5891 | 0,6995 | 0,8600 | 0,6850 | 0,4622 | 0,6198 |       |    |     |     |     |
| r tabel   | 0,312     | 0,312  | 0,312  | 0,312  | 0,312  | 0,312  | 0,312  | 0,312  | 0,312  | 0,312  | 0,312  | 0,312  | 0,312  | 0,312  | 0,312  | 0,312  | 0,312  | 0,312  | 0,312  | 0,312  | 0,312  | 0,312  | 0,312  | 0,312  | 0,312  | 0,312  | 0,312   | 0,312  | 0,312  | 0,312  | 0,312  | 0,312  | 0,312  | 0,312  | 0,312 |    |     |     |     |
| vtv       | v         | v      | v      | v      | v      | v      | v      | v      | v      | v      | v      | v      | v      | v      | v      | v      | v      | v      | v      | v      | v      | v      | v      | v      | v      | v      | v       | v      | v      | v      | v      | v      | v      | v      | v     | v  |     |     |     |



## LAMPIRAN 2.F

### UJI VALIDITAS MENGGUNAKAN PRODUC MOMENT

Item soal 1

| NO | X | Y   | X <sup>2</sup> | Y <sup>2</sup> | XY  |
|----|---|-----|----------------|----------------|-----|
| 1  | 3 | 77  | 9              | 5929           | 231 |
| 2  | 2 | 70  | 4              | 4900           | 140 |
| 3  | 3 | 83  | 9              | 6889           | 249 |
| 4  | 3 | 88  | 9              | 7744           | 264 |
| 5  | 3 | 88  | 9              | 7744           | 264 |
| 6  | 3 | 78  | 9              | 6084           | 234 |
| 7  | 3 | 70  | 9              | 4900           | 210 |
| 8  | 4 | 80  | 16             | 6400           | 320 |
| 9  | 2 | 69  | 4              | 4761           | 138 |
| 10 | 4 | 81  | 16             | 6561           | 324 |
| 11 | 4 | 120 | 16             | 14400          | 480 |
| 12 | 3 | 79  | 9              | 6241           | 237 |
| 13 | 4 | 75  | 16             | 5625           | 300 |
| 14 | 3 | 81  | 9              | 6561           | 243 |
| 15 | 4 | 69  | 16             | 4761           | 276 |
| 16 | 2 | 72  | 4              | 5184           | 144 |
| 17 | 4 | 111 | 16             | 12321          | 444 |
| 18 | 4 | 107 | 16             | 11449          | 428 |
| 19 | 4 | 113 | 16             | 12769          | 452 |
| 20 | 3 | 72  | 9              | 5184           | 216 |
| 21 | 3 | 88  | 9              | 7744           | 264 |
| 22 | 4 | 117 | 16             | 13689          | 468 |
| 23 | 3 | 81  | 9              | 6561           | 243 |
| 24 | 4 | 89  | 16             | 7921           | 356 |
| 25 | 4 | 70  | 16             | 4900           | 280 |
| 26 | 4 | 107 | 16             | 11449          | 428 |
| 27 | 4 | 110 | 16             | 12100          | 440 |
| 28 | 4 | 105 | 16             | 11025          | 420 |
| 29 | 3 | 80  | 9              | 6400           | 240 |
| 30 | 3 | 77  | 9              | 5929           | 231 |
| 31 | 3 | 84  | 9              | 7056           | 252 |
| 32 | 3 | 111 | 9              | 12321          | 333 |
| 33 | 3 | 91  | 9              | 8281           | 273 |
| 34 | 3 | 91  | 9              | 8281           | 273 |

|      |     |      |     |        |       |
|------|-----|------|-----|--------|-------|
| 35   | 3   | 91   | 9   | 8281   | 273   |
| 36   | 4   | 103  | 16  | 10609  | 412   |
| 37   | 4   | 100  | 16  | 10000  | 400   |
| 38   | 3   | 114  | 9   | 12996  | 342   |
| 39   | 4   | 117  | 16  | 13689  | 468   |
| 40   | 3   | 91   | 9   | 8281   | 273   |
| SKOR | 134 | 3600 | 464 | 333920 | 12263 |

Diketahui :

$$\text{Skor total} = 17956$$

$$\sum X = 134$$

$$\sum X^2 = 464$$

$$\sum Y = 3600$$

$$\sum Y^2 = 333920$$

$$\sum XY = 12263$$

$$N = 40$$

Penyelesaian :

$$r_{xy} = \frac{N \cdot \sum XY - (\sum X) \cdot (\sum Y)}{\sqrt{[N \cdot \sum X^2 - (\sum X)^2] \cdot [N \cdot \sum Y^2 - (\sum Y)^2]}}$$

$$r_{xy} = \frac{40 \cdot 12262 - 134 \cdot 3600}{\sqrt{(40 \cdot 464 - 17956) \cdot (40 \cdot 333920 - 12960000)}}$$

$$r_{xy} = \frac{490520 - 482400}{\sqrt{(604) \cdot (396800)}}$$

$$r_{xy} = \frac{8120}{15481189}$$

$$r_{xy} = 0,5245$$

## HASIL UJI VALIDITAS ANGGKET MINAT BELAJAR MATEMATIKA SISWA MENGGUNAKAN SOFWEEERE STATISTK (SPSS)

|     |                     | X01    | X02    | X03    | X04   | X05   | X06    | X07   | X08    | X09    | X10    | X11    | X12    | X13  | X14    | X15    | X16    | X17  | X18    | X19  | X20    | X21  | X22    | X23    | X24    | X25   | X26    | X27  | X28    | X29    | X30    | X31    | X32    | X33   | X34    | Total  |      |    |
|-----|---------------------|--------|--------|--------|-------|-------|--------|-------|--------|--------|--------|--------|--------|------|--------|--------|--------|------|--------|------|--------|------|--------|--------|--------|-------|--------|------|--------|--------|--------|--------|--------|-------|--------|--------|------|----|
| X01 | Pearson Correlation | 1      | .210   | .456** | .346* | .274  | .175   | .339  | .406** | .353*  | .193   | .346** | .623** | .196 | .274   | .410** | .398*  | -.11 | .384*  | .035 | .089   | .239 | .247   | .128   | .417** | .342* | .528** | .030 | .389*  | .500** | .234   | .349*  | .347   | .378* | .368*  | .532** |      |    |
|     | Sig. (2-tailed)     |        | .194   | .003   | .029  | .087  | .280   | .032  | .009   | .025   | .233   | .029   | .000   | .226 | .087   | .009   | .011   | .500 | .015   | .832 | .584   | .137 | .124   | .430   | .007   | .031  | .000   | .856 | .013   | .000   | .146   | .027   | .223   | .016  | .019   | .019   | .000 |    |
|     | N                   | 40     | 40     | 40     | 40    | 40    | 40     | 40    | 40     | 40     | 40     | 40     | 40     | 40   | 40     | 40     | 40     | 40   | 40     | 40   | 40     | 40   | 40     | 40     | 40     | 40    | 40     | 40   | 40     | 40     | 40     | 40     | 40     | 40    | 40     | 40     | 40   | 40 |
| X02 | Pearson Correlation | .210   | 1      | .405** | .217  | .391* | .572** | .279  | .221   | .757** | .475** | .572** | .412** | .087 | .422** | .219   | .309   | .235 | .070   | .256 | .660** | .093 | .535** | .320*  | .484** | .337* | .303   | -.16 | .413** | .247   | .455** | .629** | .517** | .208  | .411** | .680** |      |    |
|     | Sig. (2-tailed)     | .194   |        | .009   | .178  | .013  | .000   | .081  | .170   | .000   | .000   | .000   | .008   | .592 | .007   | .174   | .052   | .145 | .666   | .111 | .000   | .569 | .000   | .044   | .002   | .033  | .057   | .311 | .008   | .124   | .003   | .000   | .000   | .001  | .197   | .008   | .000 |    |
|     | N                   | 40     | 40     | 40     | 40    | 40    | 40     | 40    | 40     | 40     | 40     | 40     | 40     | 40   | 40     | 40     | 40     | 40   | 40     | 40   | 40     | 40   | 40     | 40     | 40     | 40    | 40     | 40   | 40     | 40     | 40     | 40     | 40     | 40    | 40     | 40     | 40   | 40 |
| X03 | Pearson Correlation | .456** | .405** | 1      | .441* | .091  | .436** | .156  | .371*  | .400*  | .340*  | .467** | .390*  | .305 | .397*  | .360*  | .423** | .182 | .183   | -.01 | .158   | .240 | .475** | -.01   | .398*  | .154  | .468** | -.19 | -.01   | .618** | .301   | .478** | .342*  | .351* | .387*  | .557** |      |    |
|     | Sig. (2-tailed)     | .003   | .009   |        | .004  | .576  | .005   | .336  | .018   | .011   | .032   | .003   | .013   | .056 | .011   | .023   | .007   | .260 | .257   | .911 | .330   | .135 | .002   | .942   | .014   | .344  | .002   | .228 | .948   | .000   | .059   | .002   | .031   | .026  | .014   | .014   | .000 |    |
|     | N                   | 40     | 40     | 40     | 40    | 40    | 40     | 40    | 40     | 40     | 40     | 40     | 40     | 40   | 40     | 40     | 40     | 40   | 40     | 40   | 40     | 40   | 40     | 40     | 40     | 40    | 40     | 40   | 40     | 40     | 40     | 40     | 40     | 40    | 40     | 40     | 40   | 40 |
| X04 | Pearson Correlation | .346*  | .217   | .441** | 1     | .419* | .488** | .297  | -.02   | .248   | .075   | .653** | .523** | .027 | .227   | .474** | .429** | .016 | .587** | .111 | .097   | .168 | .297   | .151   | .203   | .055  | .392*  | .232 | .127   | .622** | .426** | .527** | .023   | .233  | .718** | .531** |      |    |
|     | Sig. (2-tailed)     | .029   | .178   | .004   |       | .007  | .000   | .062  | .862   | .123   | .647   | .000   | .001   | .869 | .159   | .002   | .000   | .924 | .000   | .497 | .551   | .299 | .063   | .352   | .209   | .738  | .012   | .149 | .433   | .000   | .000   | .000   | .889   | .147  | .000   | .000   |      |    |
|     | N                   | 40     | 40     | 40     | 40    | 40    | 40     | 40    | 40     | 40     | 40     | 40     | 40     | 40   | 40     | 40     | 40     | 40   | 40     | 40   | 40     | 40   | 40     | 40     | 40     | 40    | 40     | 40   | 40     | 40     | 40     | 40     | 40     | 40    | 40     | 40     | 40   | 40 |
| X05 | Pearson Correlation | .274   | .391*  | .091   | .419* | 1     | .344*  | .364* | .213   | .411** | .316*  | .568** | .632** | .183 | .286   | .236   | .437** | .228 | .626** | .156 | .450** | .118 | .218   | .520** | .096   | .186  | .348*  | .179 | .305   | .208   | .313*  | .422** | .208   | .378* | .650** | .597** |      |    |
|     | Sig. (2-tailed)     | .087   | .013   | .576   | .007  |       | .030   | .021  | .187   | .008   | .047   | .000   | .000   | .259 | .073   | .143   | .005   | .158 | .000   | .336 | .004   | .467 | .189   | .001   | .556   | .251  | .028   | .270 | .055   | .197   | .049   | .007   | .198   | .016  | .000   | .000   |      |    |
|     | N                   | 40     | 40     | 40     | 40    | 40    | 40     | 40    | 40     | 40     | 40     | 40     | 40     | 40   | 40     | 40     | 40     | 40   | 40     | 40   | 40     | 40   | 40     | 40     | 40     | 40    | 40     | 40   | 40     | 40     | 40     | 40     | 40     | 40    | 40     | 40     | 40   | 40 |
| X06 | Pearson Correlation | .175   | .572** | .436** | .488* | .344* | 1      | .100  | .302   | .555** | .227   | .590** | .291   | .073 | .299   | .531** | .448** | .131 | .349*  | .224 | .291   | .261 | .444** | .339*  | .332*  | .148  | .274   | .047 | .230   | .268   | .599** | .185   | .297   | .363* | .586** |        |      |    |
|     | Sig. (2-tailed)     |        |        |        |       |       |        |       |        |        |        |        |        |      |        |        |        |      |        |      |        |      |        |        |        |       |        |      |        |        |        |        |        |       |        |        |      |    |
|     | N                   | 40     | 40     | 40     | 40    | 40    | 40     | 40    | 40     | 40     | 40     | 40     | 40     | 40   | 40     | 40     | 40     | 40   | 40     | 40   | 40     | 40   | 40     | 40     | 40     | 40    | 40     | 40   | 40     | 40     | 40     | 40     | 40     | 40    | 40     | 40     | 40   | 40 |

|     |                     |        |        |        |       |        |        |        |        |        |        |        |        |       |        |       |        |        |        |        |        |      |        |       |        |        |       |         |        |        |        |        |        |        |        |        |
|-----|---------------------|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|-------|--------|--------|--------|--------|--------|------|--------|-------|--------|--------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
|     | Sig. (2-tailed)     | .280   | .000   | .005   | .001  | .030   | .051   | .008   | .150   | .008   | .000   | .069   | .655   | .061  | .000   | .004  | .419   | .027   | .165   | .069   | .104   | .004 | .033   | .036  | .087   | .773   | .152  | .093    | .095   | .000   | .253   | .063   | .021   | .000   |        |        |
|     | N                   | 40     | 40     | 40     | 40    | 40     | 40     | 40     | 40     | 40     | 40     | 40     | 40     | 40    | 40     | 40    | 40     | 40     | 40     | 40     | 40     | 40   | 40     | 40    | 40     | 40     | 40    | 40      | 40     | 40     | 40     | 40     | 40     | 40     | 40     |        |
| X07 | Pearson Correlation | .339*  | .279   | .156   | .297  | .364*  | .100   | 1      | .248   | .563** | .453** | .233   | .333*  | .040  | .458** | -.02  | .077   | .446** | .244   | .300   | .382*  | .030 | .333*  | .300  | .387*  | .163   | .358* | .019    | .448** | .244   | .415** | .464** | .364*  | .188   | .226   | .554** |
|     | Sig. (2-tailed)     | .032   | .081   | .336   | .062  | .021   | .541   |        | .123   | .000   | .003   | .149   | .036   | .808  | .003   | .877  | .637   | .004   | .129   | .060   | .015   | .853 | .036   | .060  | .014   | .314   | .023  | .908    | .004   | .129   | .008   | .003   | .021   | .246   | .161   | .000   |
|     | N                   | 40     | 40     | 40     | 40    | 40     | 40     | 40     | 40     | 40     | 40     | 40     | 40     | 40    | 40     | 40    | 40     | 40     | 40     | 40     | 40     | 40   | 40     | 40    | 40     | 40     | 40    | 40      | 40     | 40     | 40     | 40     | 40     | 40     | 40     | 40     |
| X08 | Pearson Correlation | .406** | .221   | .371*  | -.028 | .213   | .302   | .248   | 1      | .351*  | .295   | .039   | .404** | .212  | .159   | .389* | .203   | .085   | .063   | -.142  | .175   | .172 | .232   | .216  | .039   | .614** | -.113 | .173    | .141   | .216   | .153   | .631** | -.390* |        |        |        |
|     | Sig. (2-tailed)     | .009   | .170   | .018   | .862  | .187   | .058   | .123   |        | .026   | .065   | .812   | .010   | .190  | .326   | .013  | .210   | .601   | .699   | .754   | .383   | .281 | .289   | .148  | .181   | .811   | .000  | .599    | .488   | .286   | .387   | .181   | .346   | .000   | .907   | .013   |
|     | N                   | 40     | 40     | 40     | 40    | 40     | 40     | 40     | 40     | 40     | 40     | 40     | 40     | 40    | 40     | 40    | 40     | 40     | 40     | 40     | 40     | 40   | 40     | 40    | 40     | 40     | 40    | 40      | 40     | 40     | 40     | 40     | 40     | 40     | 40     | 40     |
| X09 | Pearson Correlation | .353*  | .757** | .400*  | .248  | .411** | .555** | .563** | .351*  | 1      | .603** | .503** | .393*  | .147  | .624** | .306  | .437** | .423** | .265   | .422** | .610** | .164 | .649** | .307  | .636** | .299   | .371* | -.501** | .313*  | .615** | .745** | .666** | .276   | .375*  | .819** |        |
|     | Sig. (2-tailed)     | .025   | .000   | .011   | .123  | .008   | .000   | .000   | .026   |        | .000   | .001   | .012   | .365  | .000   | .055  | .005   | .007   | .099   | .007   | .000   | .312 | .000   | .054  | .000   | .061   | .195  | .001    | .049   | .000   | .000   | .000   | .085   | .017   | .000   |        |
|     | N                   | 40     | 40     | 40     | 40    | 40     | 40     | 40     | 40     | 40     | 40     | 40     | 40     | 40    | 40     | 40    | 40     | 40     | 40     | 40     | 40     | 40   | 40     | 40    | 40     | 40     | 40    | 40      | 40     | 40     | 40     | 40     | 40     | 40     | 40     | 40     |
| X10 | Pearson Correlation | .193   | .475** | .340*  | .075  | .316*  | .227   | .453** | .295   | .603** | 1      | .314*  | .200   | .363* | .617** | .131  | .246   | .551** | -.02   | .353*  | .750** | .077 | .476** | .059  | .604** | .271   | .265  | -.420** | .281   | .390*  | .639** | .615** | .186   | .291   | .659** |        |
|     | Sig. (2-tailed)     | .233   | .002   | .032   | .647  | .047   | .158   | .003   | .065   | .000   |        | .049   | .217   | .021  | .000   | .419  | .126   | .000   | .873   | .025   | .000   | .638 | .002   | .716  | .000   | .091   | .098  | .076    | .007   | .013   | .000   | .000   | .250   | .069   | .000   |        |
|     | N                   | 40     | 40     | 40     | 40    | 40     | 40     | 40     | 40     | 40     | 40     | 40     | 40     | 40    | 40     | 40    | 40     | 40     | 40     | 40     | 40     | 40   | 40     | 40    | 40     | 40     | 40    | 40      | 40     | 40     | 40     | 40     | 40     | 40     | 40     | 40     |
| X11 | Pearson Correlation | .346*  | .572** | .467** | .653* | .568** | .590** | .233   | .039   | .503** | .314*  | 1      | .653** | .166  | .323*  | .391* | .621** | .029   | .477** | .014   | .407** | .181 | .422** | .369* | .289   | .203   | .378* | .270    | .214   | .575** | .425** | .670** | .364*  | .211   | .714** | .696** |
|     | Sig. (2-tailed)     | .029   | .000   | .002   | .000  | .000   | .000   | .149   | .812   | .000   | .049   |        | .000   | .306  | .042   | .013  | .000   | .858   | .002   | .933   | .009   | .264 | .007   | .019  | .070   | .209   | .016  | .092    | .180   | .000   | .000   | .000   | .021   | .190   | .000   |        |
|     | N                   | 40     | 40     | 40     | 40    | 40     | 40     | 40     | 40     | 40     | 40     | 40     | 40     | 40    | 40     | 40    | 40     | 40     | 40     | 40     | 40     | 40   | 40     | 40    | 40     | 40     | 40    | 40      | 40     | 40     | 40     | 40     | 40     | 40     | 40     | 40     |
| X12 | Pearson Correlation | .623** | .412** | .390*  | .523* | .632** | .291   | .334** | .404** | .393*  | .200   | .653** | 1      | .312  | .357*  | .306  | .501** | -.379* | -.00   | .350*  | -.04   | .303 | .356*  | .274  | .204   | .656** | .254  | .385*   | .609** | .421** | .496** | .344*  | .491** | .659** | .677** |        |
|     | Sig. (2-tailed)     | .000   | .008   | .013   | .001  | .000   | .069   | .036   | .010   | .012   | .217   | .000   |        | .050  | .024   | .055  | .001   | .747   | .016   | .971   | .027   | .769 | .057   | .024  | .087   | .206   | .000  | .114    | .014   | .000   | .000   | .030   | .000   | .000   | .000   |        |
|     | N                   | 40     | 40     | 40     | 40    | 40     | 40     | 40     | 40     | 40     | 40     | 40     | 40     | 40    | 40     | 40    | 40     | 40     | 40     | 40     | 40     | 40   | 40     | 40    | 40     | 40     | 40    | 40      | 40     | 40     | 40     | 40     | 40     | 40     | 40     | 40     |

|     |                     |        |        |        |       |        |        |        |       |        |        |        |        |        |      |        |        |        |      |        |        |        |         |       |        |      |        |       |        |        |        |        |        |        |        |        |      |    |
|-----|---------------------|--------|--------|--------|-------|--------|--------|--------|-------|--------|--------|--------|--------|--------|------|--------|--------|--------|------|--------|--------|--------|---------|-------|--------|------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|------|----|
| X13 | Pearson Correlation | .196   | .087   | .305   | .027  | .183   | .073   | .040   | .212  | .147   | .363*  | .166   | .312*  | 1      | .274 | -.06   | .342*  | .145   | .015 | -.03   | .199   | -.22   | .192    | .196  | .174   | -.02 | .395*  | .057  | -.02   | .234   | .160   | .015   | .112   | .263   | .419** | .304   |      |    |
|     | Sig. (2-tailed)     | .226   | .592   | .056   | .869  | .259   | .655   | .808   | .190  | .365   | .021   | .306   | .050   |        | .087 | .684   | .031   | .372   | .929 | .816   | .219   | .158   | .236    | .226  | .284   | .898 | .012   | .726  | .892   | .146   | .323   | .928   | .491   | .101   | .007   | .057   |      |    |
|     | N                   | 40     | 40     | 40     | 40    | 40     | 40     | 40     | 40    | 40     | 40     | 40     | 40     | 40     | 40   | 40     | 40     | 40     | 40   | 40     | 40     | 40     | 40      | 40    | 40     | 40   | 40     | 40    | 40     | 40     | 40     | 40     | 40     | 40     | 40     | 40     | 40   | 40 |
| X14 | Pearson Correlation | .274   | .422** | .397*  | .227  | .286   | .299   | .458** | .159  | .624** | .617** | .323*  | .357*  | .274   | 1    | .258   | .232   | .568** | .165 | .367*  | .629** | .115   | .870**  | .103  | .832** | .265 | .198   | -.24  | .450** | .461** | .554** | .655** | .680** | .306   | .320*  | .751** |      |    |
|     | Sig. (2-tailed)     | .087   | .007   | .011   | .159  | .073   | .061   | .003   | .326  | .000   | .000   | .042   | .024   | .087   |      | .109   | .150   | .009   | .309 | .020   | .000   | .480   | .000    | .526  | .006   | .000 | .099   | .220  | .123   | .004   | .003   | .000   | .000   | .000   | .055   | .044   | .000 |    |
|     | N                   | 40     | 40     | 40     | 40    | 40     | 40     | 40     | 40    | 40     | 40     | 40     | 40     | 40     | 40   | 40     | 40     | 40     | 40   | 40     | 40     | 40     | 40      | 40    | 40     | 40   | 40     | 40    | 40     | 40     | 40     | 40     | 40     | 40     | 40     | 40     | 40   | 40 |
| X15 | Pearson Correlation | .410** | .219   | .360*  | .474* | .236   | .531** | -.02   | .389* | .306   | .131   | .391*  | .306   | -.06   | 1    | .481** | -.03   | .460** | .086 | .087   | .443** | .426** | .147    | .385* | .251   | .289 | -.01   | .209  | .292   | .306   | .465** | .093   | .366*  | .338*  | .497** |        |      |    |
|     | Sig. (2-tailed)     | .009   | .174   | .023   | .002  | .143   | .000   | .877   | .013  | .055   | .419   | .013   | .055   | .684   | .109 | .002   | .847   | .006   | .596 | .594   | .004   | .446   | .006    | .365  | .014   | .119 | .070   | .910  | .195   | .068   | .055   | .000   | .572   | .020   | .033   | .001   |      |    |
|     | N                   | 40     | 40     | 40     | 40    | 40     | 40     | 40     | 40    | 40     | 40     | 40     | 40     | 40     | 40   | 40     | 40     | 40     | 40   | 40     | 40     | 40     | 40      | 40    | 40     | 40   | 40     | 40    | 40     | 40     | 40     | 40     | 40     | 40     | 40     | 40     | 40   | 40 |
| X16 | Pearson Correlation | .398*  | .309   | .423** | .429* | .437** | .448** | .077   | .203  | .437** | .246   | .621** | .501** | .342*  | .232 | .481** | -.22   | .477** | .014 | .252   | .124   | .320*  | .324*   | .289  | .114   | .186 | .227   | .331* | .374*  | .394*  | .451** | .393*  | .130   | .596** | .579** |        |      |    |
|     | Sig. (2-tailed)     | .011   | .052   | .007   | .006  | .005   | .004   | .637   | .210  | .005   | .125   | .000   | .001   | .031   | .150 | .002   | .160   | .002   | .933 | .116   | .446   | .046   | .042    | .070  | .484   | .249 | .160   | .037  | .017   | .010   | .000   | .012   | .013   | .423   | .000   |        |      |    |
|     | N                   | 40     | 40     | 40     | 40    | 40     | 40     | 40     | 40    | 40     | 40     | 40     | 40     | 40     | 40   | 40     | 40     | 40     | 40   | 40     | 40     | 40     | 40      | 40    | 40     | 40   | 40     | 40    | 40     | 40     | 40     | 40     | 40     | 40     | 40     | 40     | 40   | 40 |
| X17 | Pearson Correlation | -.110  | .235   | .182   | .016  | .228   | .131   | .446** | .085  | .423** | .551** | .029   | -.145  | .568** | -.03 | 1      | -.382* | .371*  | .178 | .436** | .000   | .368*  | .217    | .199  | -.45   | .199 | .052   | .292  | .309   | .347*  | .147   | .068   | .367*  | .068   | .388*  |        |      |    |
|     | Sig. (2-tailed)     | .500   | .145   | .260   | .924  | .158   | .414   | .004   | .601  | .000   | .857   | .747   | .372   | .008   | .847 | .160   | .922   | .015   | .019 | .275   | .002   | 1.000  | .019    | .179  | .218   | .003 | .219   | .749  | .067   | .052   | .028   | .368   | .677   | .013   |        |        |      |    |
|     | N                   | 40     | 40     | 40     | 40    | 40     | 40     | 40     | 40    | 40     | 40     | 40     | 40     | 40     | 40   | 40     | 40     | 40     | 40   | 40     | 40     | 40     | 40      | 40    | 40     | 40   | 40     | 40    | 40     | 40     | 40     | 40     | 40     | 40     | 40     | 40     | 40   |    |
| X18 | Pearson Correlation | .384*  | .070   | .183   | .587* | .626** | .349*  | .244   | .063  | .265   | -.02   | .477** | .379*  | .015   | .165 | .460** | .477** | -.01   | 1    | .072   | -.25   | .147   | .225    | .027  | .030   | .200 | .251   | -.02  | .314*  | .202   | .289   | -.06   | .298   | .560** | .397*  |        |      |    |
|     | Sig. (2-tailed)     | .015   | .666   | .257   | .000  | .000   | .027   | .129   | .699  | .099   | .873   | .002   | .016   | .929   | .309 | .003   | .002   | .922   | .660 | .802   | .109   | .381   | .162    | .868  | .857   | .216 | .118   | .890  | .048   | .203   | .070   | .702   | .060   | .000   | .011   |        |      |    |
|     | N                   | 40     | 40     | 40     | 40    | 40     | 40     | 40     | 40    | 40     | 40     | 40     | 40     | 40     | 40   | 40     | 40     | 40     | 40   | 40     | 40     | 40     | 40      | 40    | 40     | 40   | 40     | 40    | 40     | 40     | 40     | 40     | 40     | 40     | 40     | 40     | 40   |    |
| X19 | Pearson Correlation | .035   | .256   | -.018  | .111  | .156   | .224   | .300   | -.05  | .422** | .353*  | .014   | -.03   | -.367* | .086 | .014   | .382*  | .072   | 1    | .485** | .114   | .299   | -.454** | .242  | -.23   | -.26 | .517** | .058  | .577** | .500** | .434** | -.10   | -.03   | .390*  |        |        |      |    |
|     | Sig. (2-tailed)     | .832   | .111   | .911   | .497  | .336   | .165   | .060   | .754  | .007   | .025   | .933   | .971   | .816   | .020 | .599   | .933   | .015   | .660 | .002   | .485   | .060   | .901    | .003  | .133   | .147 | .095   | .001  | .722   | .000   | .001   | .005   | .502   | .831   | .013   |        |      |    |
|     | N                   | 40     | 40     | 40     | 40    | 40     | 40     | 40     | 40    | 40     | 40     | 40     | 40     | 40     | 40   | 40     | 40     | 40     | 40   | 40     | 40     | 40     | 40      | 40    | 40     | 40   | 40     | 40    | 40     | 40     | 40     | 40     | 40     | 40     | 40     | 40     | 40   |    |



|     |                     |        |        |        |       |        |        |        |      |        |        |        |        |      |        |        |        |       |       |        |        |      |        |      |        |        |        |      |        |        |        |        |        |        |        |        |    |
|-----|---------------------|--------|--------|--------|-------|--------|--------|--------|------|--------|--------|--------|--------|------|--------|--------|--------|-------|-------|--------|--------|------|--------|------|--------|--------|--------|------|--------|--------|--------|--------|--------|--------|--------|--------|----|
|     | Sig. (2-tailed)     | .000   | .057   | .002   | .012  | .028   | .087   | .023   | .000 | .019   | .098   | .016   | .000   | .012 | .220   | .070   | .249   | .218  | .216  | .147   | .462   | .781 | .196   | .149 | .465   | .575   |        | .529 | .854   | .010   | .236   | .111   | 1.000  | .000   | .004   | .002   |    |
|     | N                   | 40     | 40     | 40     | 40    | 40     | 40     | 40     | 40   | 40     | 40     | 40     | 40     | 40   | 40     | 40     | 40     | 40    | 40    | 40     | 40     | 40   | 40     | 40   | 40     | 40     | 40     | 40   | 40     | 40     | 40     | 40     | 40     | 40     | 40     | 40     | 40 |
| X27 | Pearson Correlation | .030   | -      | -      | .232  | .179   | .047   | .019   | -    | -      | -      | .270   | .254   | .057 | -      | -      | .227   | -     | .251  | -      | -      | .097 | -      | .269 | -      | -      | -      | 1    | .023   | .203   | -      | -      | -      | .154   | .330   | -.017  |    |
|     | Sig. (2-tailed)     | .856   | .311   | .228   | .149  | .270   | .773   | .908   | .599 | .195   | .076   | .092   | .114   | .726 | .123   | .910   | .160   | .003  | .118  | .095   | .179   | .550 | .155   | .104 | .137   | .492   | .529   |      | .887   | .208   | .461   | .486   | .345   | .344   | .038   | .917   |    |
|     | N                   | 40     | 40     | 40     | 40    | 40     | 40     | 40     | 40   | 40     | 40     | 40     | 40     | 40   | 40     | 40     | 40     | 40    | 40    | 40     | 40     | 40   | 40     | 40   | 40     | 40     | 40     | 40   | 40     | 40     | 40     | 40     | 40     | 40     | 40     | 40     | 40 |
| X28 | Pearson Correlation | .389*  | .413** | -      | .127  | .305   | .230   | .448** | .113 | .501** | .420** | .214   | .385*  | -    | .450** | .209   | .331*  | .199  | -     | .517** | .587** | .186 | .413** | .242 | .610** | .578** | .030   | .023 | 1      | .139   | .486** | .533** | .614** | .049   | .198   | .606** |    |
|     | Sig. (2-tailed)     | .013   | .008   | .948   | .433  | .055   | .152   | .004   | .488 | .001   | .007   | .186   | .014   | .892 | .004   | .195   | .037   | .219  | .890  | .001   | .000   | .251 | .008   | .133 | .000   | .000   | .854   | .887 |        | .392   | .001   | .000   | .000   | .766   | .221   | .000   |    |
|     | N                   | 40     | 40     | 40     | 40    | 40     | 40     | 40     | 40   | 40     | 40     | 40     | 40     | 40   | 40     | 40     | 40     | 40    | 40    | 40     | 40     | 40   | 40     | 40   | 40     | 40     | 40     | 40   | 40     | 40     | 40     | 40     | 40     | 40     | 40     | 40     | 40 |
| X29 | Pearson Correlation | .500** | .247   | .618** | .622* | .208   | .269   | .244   | .173 | .313*  | .281   | .575** | .609** | .234 | .461** | .292   | .374*  | .052  | .314* | .058   | .123   | .276 | .429** | -    | .425** | .050   | .404** | .203 | .139   | 1      | .283   | .523** | .400*  | .410** | .617** | .589** |    |
|     | Sig. (2-tailed)     | .001   | .124   | .000   | .000  | .197   | .093   | .129   | .286 | .049   | .079   | .000   | .000   | .146 | .003   | .068   | .017   | .749  | .048  | .722   | .448   | .084 | .006   | .648 | .006   | .757   | .010   | .208 | .392   |        | .077   | .001   | .011   | .009   | .000   | .000   |    |
|     | N                   | 40     | 40     | 40     | 40    | 40     | 40     | 40     | 40   | 40     | 40     | 40     | 40     | 40   | 40     | 40     | 40     | 40    | 40    | 40     | 40     | 40   | 40     | 40   | 40     | 40     | 40     | 40   | 40     | 40     | 40     | 40     | 40     | 40     | 40     | 40     | 40 |
| X30 | Pearson Correlation | .234   | .455** | .301   | .426* | .313*  | .268   | .415** | .141 | .615** | .390*  | .425** | .421** | .160 | .554** | .306   | .394*  | .292  | .206  | .577** | .589** | .069 | .623** | .146 | .608** | .262   | .192   | -    | .486** | .283   | 1      | .666** | .593** | .113   | .308   | .700** |    |
|     | Sig. (2-tailed)     | .146   | .003   | .059   | .006  | .049   | .095   | .008   | .387 | .000   | .013   | .000   | .000   | .323 | .000   | .055   | .012   | .067  | .203  | .000   | .000   | .671 | .000   | .368 | .000   | .102   | .236   | .461 | .001   | .077   |        | .000   | .000   | .488   | .053   | .000   |    |
|     | N                   | 40     | 40     | 40     | 40    | 40     | 40     | 40     | 40   | 40     | 40     | 40     | 40     | 40   | 40     | 40     | 40     | 40    | 40    | 40     | 40     | 40   | 40     | 40   | 40     | 40     | 40     | 40   | 40     | 40     | 40     | 40     | 40     | 40     | 40     | 40     | 40 |
| X31 | Pearson Correlation | .349*  | .629** | .478** | .527* | .422** | .599** | .464** | .216 | .745** | .639** | .670** | .496** | .015 | .655** | .465** | .451** | .309  | .289  | .500** | .706** | .197 | .661** | .194 | .690** | .295   | .256   | -    | .533** | .523** | .666** | 1      | .711** | .257   | .421** | .860** |    |
|     | Sig. (2-tailed)     | .027   | .000   | .002   | .000  | .000   | .000   | .000   | .181 | .000   | .000   | .000   | .001   | .928 | .000   | .000   | .000   | .052  | .070  | .000   | .000   | .224 | .000   | .230 | .000   | .064   | .111   | .486 | .000   | .000   | .000   |        | .000   | .110   | .000   | .000   |    |
|     | N                   | 40     | 40     | 40     | 40    | 40     | 40     | 40     | 40   | 40     | 40     | 40     | 40     | 40   | 40     | 40     | 40     | 40    | 40    | 40     | 40     | 40   | 40     | 40   | 40     | 40     | 40     | 40   | 40     | 40     | 40     | 40     | 40     | 40     | 40     | 40     | 40 |
| X32 | Pearson Correlation | .197   | .517** | .342*  | .023  | .208   | .185   | .364*  | .153 | .666** | .615** | .364*  | .344*  | .112 | .680** | .093   | .393*  | .347* | -     | .434** | .684** | .145 | .601** | .039 | .690** | .379*  | .000   | -    | .614** | .400*  | .593** | .711** | 1      | .172   | .173   | .685** |    |
|     | Sig. (2-tailed)     | .223   | .001   | .031   | .889  | .198   | .253   | .021   | .346 | .000   | .000   | .021   | .030   | .491 | .000   | .570   | .012   | .028  | .700  | .000   | .000   | .372 | .000   | .813 | .000   | .016   | 1.000  | .345 | .000   | .010   | .000   | .000   |        | .290   | .287   | .000   |    |
|     | N                   | 40     | 40     | 40     | 40    | 40     | 40     | 40     | 40   | 40     | 40     | 40     | 40     | 40   | 40     | 40     | 40     | 40    | 40    | 40     | 40     | 40   | 40     | 40   | 40     | 40     | 40     | 40   | 40     | 40     | 40     | 40     | 40     | 40     | 40     | 40     | 40 |



|       |                     |                    |                    |                    |                   |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                   |                    |                    |      |                    |                   |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |      |                    |    |
|-------|---------------------|--------------------|--------------------|--------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------------|--------------------|--------------------|------|--------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|------|--------------------|----|
| X33   | Pearson Correlation | .378 <sub>*</sub>  | .208               | .351 <sub>*</sub>  | .233              | .378 <sub>*</sub>  | .297               | .188               | .631 <sub>**</sub> | .276               | .186               | .211               | .491 <sub>**</sub> | .263               | .306               | .366 <sub>*</sub>  | .130               | .147              | .298               | -.10               | .114 | .264               | .248              | .125               | .166               | .191               | .602 <sub>**</sub> | .154               | .049               | .410 <sub>**</sub> | .113               | .257               | .172               | 1                  | .291 | .462 <sub>**</sub> |    |
|       | Sig. (2-tailed)     | .016               | .197               | .026               | .147              | .016               | .063               | .246               | .000               | .085               | .251               | .191               | .001               | .101               | .055               | .020               | .423               | .365              | .062               | .502               | .482 | .100               | .123              | .441               | .307               | .238               | .000               | .344               | .766               | .009               | .488               | .110               | .290               |                    | .068 | .003               |    |
|       | N                   | 40                 | 40                 | 40                 | 40                | 40                 | 40                 | 40                 | 40                 | 40                 | 40                 | 40                 | 40                 | 40                 | 40                 | 40                 | 40                 | 40                | 40                 | 40                 | 40   | 40                 | 40                | 40                 | 40                 | 40                 | 40                 | 40                 | 40                 | 40                 | 40                 | 40                 | 40                 | 40                 | 40   | 40                 | 40 |
| X34   | Pearson Correlation | .368 <sub>*</sub>  | .411 <sub>**</sub> | .387 <sub>*</sub>  | .718 <sub>*</sub> | .650 <sub>**</sub> | .363 <sub>*</sub>  | .226               | -.01               | .375 <sub>*</sub>  | .291               | .714 <sub>**</sub> | .659 <sub>**</sub> | .419 <sub>**</sub> | .320 <sub>*</sub>  | .338 <sub>*</sub>  | .596 <sub>**</sub> | .068              | .560 <sub>**</sub> | -.03               | .245 | .066               | .316 <sub>*</sub> | .285               | .200               | .104               | .445 <sub>**</sub> | .330 <sub>*</sub>  | .198               | .617 <sub>**</sub> | .308               | .421 <sub>**</sub> | .173               | .291               | 1    | .620 <sub>**</sub> |    |
|       | Sig. (2-tailed)     | .019               | .008               | .014               | .000              | .000               | .021               | .161               | .907               | .017               | .069               | .000               | .000               | .007               | .044               | .033               | .000               | .677              | .000               | .831               | .128 | .685               | .047              | .074               | .215               | .524               | .004               | .038               | .221               | .000               | .053               | .007               | .287               | .068               |      | .000               |    |
|       | N                   | 40                 | 40                 | 40                 | 40                | 40                 | 40                 | 40                 | 40                 | 40                 | 40                 | 40                 | 40                 | 40                 | 40                 | 40                 | 40                 | 40                | 40                 | 40                 | 40   | 40                 | 40                | 40                 | 40                 | 40                 | 40                 | 40                 | 40                 | 40                 | 40                 | 40                 | 40                 | 40                 | 40   | 40                 | 40 |
| Total | Pearson Correlation | .532 <sub>**</sub> | .680 <sub>**</sub> | .557 <sub>**</sub> | .531 <sub>*</sub> | .597 <sub>**</sub> | .586 <sub>**</sub> | .554 <sub>**</sub> | .390 <sub>*</sub>  | .819 <sub>**</sub> | .659 <sub>**</sub> | .677 <sub>**</sub> | .304               | .751 <sub>**</sub> | .497 <sub>**</sub> | .579 <sub>**</sub> | .388 <sub>*</sub>  | .397 <sub>*</sub> | .390 <sub>*</sub>  | .695 <sub>**</sub> | .300 | .762 <sub>**</sub> | .383 <sub>*</sub> | .754 <sub>**</sub> | .407 <sub>**</sub> | .477 <sub>**</sub> | -.01               | .606 <sub>**</sub> | .589 <sub>**</sub> | .700 <sub>**</sub> | .860 <sub>**</sub> | .685 <sub>**</sub> | .463 <sub>**</sub> | .620 <sub>**</sub> | 1    |                    |    |
|       | Sig. (2-tailed)     | .000               | .000               | .000               | .000              | .000               | .000               | .000               | .013               | .000               | .000               | .000               | .057               | .000               | .001               | .000               | .013               | .011              | .013               | .000               | .060 | .000               | .015              | .000               | .009               | .002               | .917               | .000               | .000               | .000               | .000               | .000               | .003               | .000               |      |                    |    |
|       | N                   | 40                 | 40                 | 40                 | 40                | 40                 | 40                 | 40                 | 40                 | 40                 | 40                 | 40                 | 40                 | 40                 | 40                 | 40                 | 40                 | 40                | 40                 | 40                 | 40   | 40                 | 40                | 40                 | 40                 | 40                 | 40                 | 40                 | 40                 | 40                 | 40                 | 40                 | 40                 | 40                 | 40   | 40                 | 40 |





**LAMPIRAN 2.H**

**HASIL UJI RELIABILITAS ANGGKET MINAT BELAJAR MATEMATIKA  
SISWA**

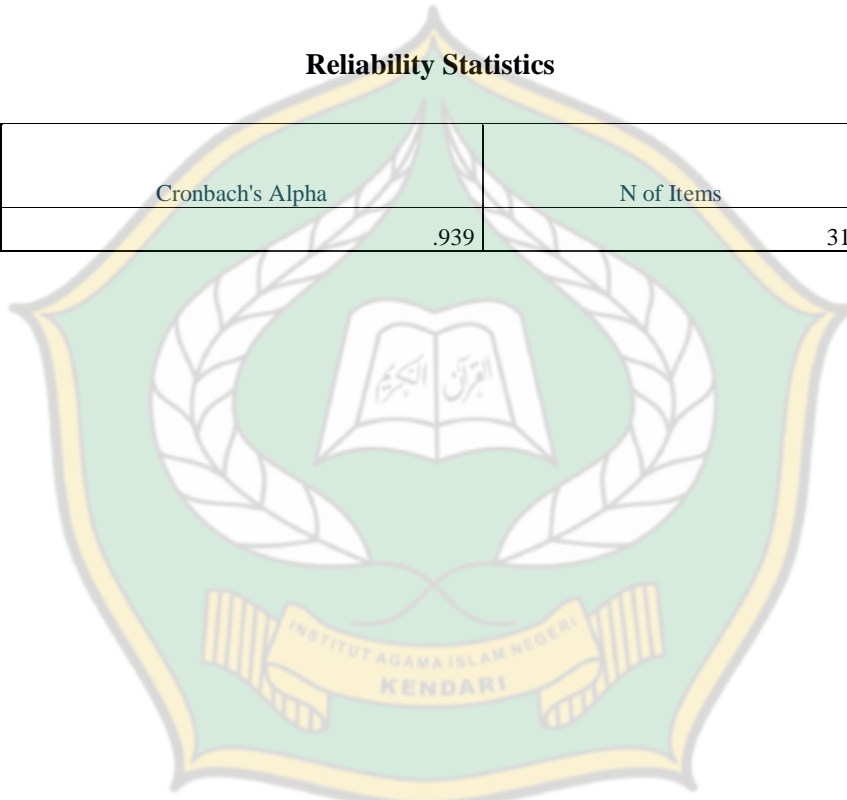
**Case Processing Summary**

|       |                       | N  |       |
|-------|-----------------------|----|-------|
| Cases | Valid                 | 40 | 100,0 |
|       | Excluded <sup>a</sup> | 0  | 0,0   |
|       | Total                 | 40 | 100,0 |

a Listwise deletion based on all variables in the procedure.

**Reliability Statistics**

| Cronbach's Alpha | N of Items |
|------------------|------------|
| .939             | 31         |



## HASIL UJI RELIABILITAS ANGGKET MINAT BELAJAR MATEMATIKA

| No       | X1       | X2       | X3     | X4       | X5    | X6       | X7       | X8     | X9       | X10      | X11      | X12   | X13      | X14   | X15      | X16   | X17   | X18      | X19    | X20   | X21      | X22   | X23    | X24   | X25      | X26      | X27   | X28    | X29    | X30      | X31    | SKOR     |       |  |
|----------|----------|----------|--------|----------|-------|----------|----------|--------|----------|----------|----------|-------|----------|-------|----------|-------|-------|----------|--------|-------|----------|-------|--------|-------|----------|----------|-------|--------|--------|----------|--------|----------|-------|--|
| 1        | 3        | 2        | 2      | 3        | 3     | 3        | 2        | 3      | 2        | 2        | 3        | 3     | 2        | 3     | 3        | 2     | 3     | 2        | 2      | 2     | 3        | 2     | 2      | 3     | 2        | 3        | 2     | 2      | 2      | 3        | 3      | 77       |       |  |
| 2        | 2        | 2        | 2      | 1        | 2     | 2        | 2        | 2      | 3        | 2        | 2        | 3     | 3        | 2     | 2        | 3     | 2     | 2        | 3      | 3     | 2        | 3     | 2      | 2     | 2        | 2        | 2     | 4      | 2      | 4        | 1      | 70       |       |  |
| 3        | 3        | 3        | 3      | 3        | 2     | 4        | 2        | 2      | 4        | 1        | 3        | 2     | 3        | 4     | 3        | 3     | 4     | 3        | 1      | 4     | 3        | 3     | 2      | 3     | 1        | 2        | 4     | 2      | 1      | 2        | 3      | 83       |       |  |
| 4        | 3        | 3        | 3      | 3        | 3     | 3        | 3        | 3      | 2        | 3        | 3        | 3     | 3        | 3     | 2        | 3     | 3     | 3        | 3      | 3     | 3        | 3     | 2      | 3     | 2        | 3        | 3     | 2      | 3      | 3        | 88     |          |       |  |
| 5        | 3        | 3        | 3      | 3        | 3     | 3        | 3        | 3      | 2        | 3        | 3        | 3     | 3        | 3     | 2        | 3     | 3     | 3        | 3      | 3     | 3        | 3     | 3      | 2     | 3        | 2        | 3     | 3      | 2      | 3        | 88     |          |       |  |
| 6        | 3        | 3        | 3      | 2        | 3     | 2        | 4        | 2      | 4        | 2        | 2        | 3     | 2        | 3     | 4        | 1     | 3     | 2        | 3      | 2     | 3        | 2     | 4      | 2     | 2        | 2        | 2     | 1      | 2      | 3        | 3      | 78       |       |  |
| 7        | 3        | 2        | 4      | 3        | 3     | 3        | 1        | 3      | 1        | 1        | 3        | 3     | 1        | 3     | 3        | 2     | 3     | 2        | 1      | 2     | 3        | 1     | 2      | 3     | 1        | 3        | 2     | 1      | 1      | 3        | 3      | 70       |       |  |
| 8        | 4        | 1        | 2      | 3        | 4     | 1        | 4        | 3      | 2        | 2        | 2        | 4     | 2        | 2     | 3        | 3     | 4     | 3        | 1      | 1     | 2        | 1     | 2      | 4     | 3        | 3        | 4     | 1      | 2      | 3        | 4      | 80       |       |  |
| 9        | 2        | 2        | 2      | 2        | 3     | 3        | 1        | 1      | 2        | 3        | 3        | 2     | 2        | 2     | 4        | 2     | 3     | 3        | 2      | 2     | 3        | 2     | 1      | 1     | 2        | 3        | 1     | 2      | 3      | 1        | 4      | 69       |       |  |
| 10       | 4        | 2        | 4      | 3        | 3     | 4        | 3        | 4      | 2        | 3        | 4        | 3     | 1        | 3     | 4        | 2     | 4     | 2        | 1      | 1     | 3        | 1     | 2      | 4     | 1        | 3        | 1     | 2      | 1      | 3        | 3      | 81       |       |  |
| 11       | 4        | 4        | 4      | 3        | 4     | 4        | 4        | 2      | 4        | 4        | 4        | 4     | 4        | 4     | 4        | 4     | 4     | 4        | 4      | 4     | 4        | 3     | 4      | 4     | 4        | 4        | 4     | 4      | 4      | 4        | 4      | 120      |       |  |
| 12       | 3        | 2        | 3      | 3        | 3     | 1        | 4        | 1      | 1        | 3        | 4        | 2     | 4        | 4     | 1        | 3     | 1     | 1        | 3      | 4     | 2        | 2     | 4      | 2     | 3        | 2        | 1     | 1      | 1      | 4        | 4      | 79       |       |  |
| 13       | 4        | 2        | 2      | 2        | 3     | 2        | 2        | 1      | 1        | 3        | 3        | 3     | 4        | 4     | 3        | 2     | 4     | 2        | 1      | 3     | 3        | 3     | 2      | 3     | 3        | 1        | 1     | 2      | 2      | 2        | 3      | 75       |       |  |
| 14       | 3        | 3        | 1      | 1        | 4     | 3        | 3        | 3      | 3        | 2        | 3        | 3     | 2        | 3     | 2        | 3     | 3     | 3        | 4      | 2     | 4        | 2     | 3      | 3     | 4        | 1        | 1     | 2      | 2      | 3        | 2      | 81       |       |  |
| 15       | 4        | 2        | 2      | 1        | 1     | 2        | 2        | 4      | 2        | 3        | 1        | 2     | 1        | 3     | 2        | 2     | 1     | 3        | 2      | 2     | 3        | 4     | 3      | 3     | 4        | 2        | 2     | 1      | 2      | 2        | 1      | 69       |       |  |
| 16       | 2        | 3        | 2      | 2        | 3     | 3        | 2        | 3      | 2        | 2        | 3        | 3     | 2        | 2     | 1        | 4     | 2     | 2        | 2      | 2     | 2        | 3     | 1      | 2     | 4        | 1        | 3     | 1      | 1      | 2        | 4      | 3        | 72    |  |
| 17       | 4        | 4        | 4      | 3        | 4     | 3        | 2        | 4      | 4        | 4        | 4        | 4     | 4        | 4     | 4        | 2     | 4     | 3        | 4      | 4     | 3        | 4     | 4      | 2     | 4        | 1        | 4     | 4      | 4      | 4        | 4      | 111      |       |  |
| 18       | 4        | 3        | 3      | 4        | 3     | 4        | 2        | 3      | 3        | 3        | 4        | 4     | 4        | 4     | 4        | 2     | 4     | 3        | 3      | 3     | 2        | 4     | 4      | 3     | 3        | 4        | 4     | 4      | 4      | 4        | 4      | 107      |       |  |
| 19       | 4        | 3        | 3      | 3        | 3     | 4        | 4        | 4      | 4        | 4        | 4        | 4     | 4        | 4     | 4        | 2     | 3     | 3        | 4      | 4     | 4        | 4     | 4      | 4     | 4        | 4        | 4     | 4      | 4      | 4        | 4      | 113      |       |  |
| 20       | 3        | 1        | 4      | 1        | 1     | 2        | 2        | 4      | 2        | 3        | 1        | 2     | 4        | 3     | 2        | 4     | 2     | 2        | 1      | 3     | 1        | 3     | 2      | 3     | 1        | 3        | 1     | 2      | 4      | 4        | 1      | 72       |       |  |
| 21       | 3        | 3        | 3      | 3        | 3     | 3        | 3        | 3      | 2        | 3        | 3        | 3     | 3        | 3     | 2        | 3     | 3     | 3        | 3      | 3     | 3        | 3     | 2      | 3     | 3        | 2        | 3     | 3      | 2      | 3        | 3      | 88       |       |  |
| 22       | 4        | 4        | 4      | 3        | 4     | 4        | 3        | 4      | 4        | 4        | 4        | 4     | 4        | 4     | 4        | 4     | 4     | 3        | 4      | 4     | 4        | 4     | 3      | 4     | 4        | 3        | 4     | 4      | 4      | 3        | 4      | 117      |       |  |
| 23       | 3        | 3        | 3      | 3        | 3     | 3        | 3        | 4      | 3        | 3        | 3        | 3     | 3        | 1     | 4        | 3     | 3     | 4        | 2      | 1     | 1        | 3     | 1      | 2     | 4        | 1        | 3     | 1      | 2      | 1        | 3      | 4        | 81    |  |
| 24       | 4        | 1        | 3      | 4        | 3     | 4        | 3        | 4      | 2        | 1        | 3        | 4     | 3        | 4     | 3        | 2     | 4     | 3        | 1      | 3     | 4        | 3     | 1      | 4     | 2        | 4        | 2     | 3      | 1      | 3        | 3      | 89       |       |  |
| 25       | 4        | 2        | 3      | 3        | 3     | 2        | 1        | 2      | 1        | 2        | 4        | 4     | 1        | 3     | 3        | 1     | 3     | 1        | 2      | 1     | 3        | 1     | 2      | 4     | 1        | 3        | 1     | 2      | 1      | 2        | 4      | 70       |       |  |
| 26       | 4        | 4        | 4      | 3        | 3     | 3        | 4        | 3      | 4        | 3        | 4        | 4     | 4        | 4     | 2        | 3     | 3     | 3        | 2      | 3     | 4        | 4     | 4      | 4     | 4        | 3        | 4     | 3      | 3      | 4        | 3      | 107      |       |  |
| 27       | 4        | 4        | 4      | 3        | 3     | 4        | 4        | 3      | 4        | 4        | 4        | 4     | 4        | 4     | 4        | 2     | 3     | 4        | 4      | 4     | 4        | 4     | 4      | 4     | 4        | 4        | 4     | 4      | 4      | 4        | 4      | 110      |       |  |
| 28       | 4        | 4        | 4      | 3        | 3     | 3        | 4        | 3      | 4        | 3        | 4        | 4     | 4        | 4     | 2        | 4     | 3     | 3        | 2      | 3     | 4        | 4     | 4      | 1     | 4        | 3        | 4     | 3      | 4      | 3        | 4      | 105      |       |  |
| 29       | 3        | 3        | 3      | 3        | 2     | 3        | 2        | 2      | 2        | 2        | 3        | 3     | 2        | 3     | 3        | 2     | 2     | 3        | 2      | 2     | 3        | 2     | 2      | 2     | 3        | 3        | 3     | 3      | 3      | 2        | 3      | 80       |       |  |
| 30       | 3        | 3        | 3      | 3        | 2     | 3        | 2        | 2      | 2        | 2        | 3        | 3     | 2        | 3     | 3        | 2     | 2     | 3        | 2      | 2     | 2        | 2     | 2      | 2     | 3        | 3        | 3     | 2      | 2      | 2        | 2      | 3        | 77    |  |
| 31       | 3        | 3        | 3      | 3        | 2     | 3        | 2        | 2      | 2        | 2        | 3        | 3     | 2        | 3     | 3        | 2     | 3     | 3        | 3      | 3     | 3        | 3     | 3      | 2     | 3        | 3        | 3     | 3      | 3      | 2        | 3      | 84       |       |  |
| 32       | 3        | 2        | 3      | 4        | 4     | 3        | 4        | 2      | 3        | 4        | 4        | 3     | 4        | 4     | 4        | 4     | 4     | 4        | 4      | 4     | 4        | 4     | 4      | 4     | 4        | 3        | 4     | 4      | 4      | 4        | 4      | 111      |       |  |
| 33       | 3        | 3        | 3      | 3        | 3     | 3        | 3        | 3      | 3        | 3        | 3        | 3     | 3        | 3     | 3        | 3     | 3     | 3        | 3      | 3     | 3        | 3     | 3      | 3     | 3        | 3        | 3     | 3      | 3      | 3        | 3      | 91       |       |  |
| 34       | 3        | 3        | 3      | 3        | 3     | 3        | 3        | 3      | 3        | 3        | 3        | 3     | 3        | 3     | 3        | 3     | 3     | 3        | 3      | 3     | 3        | 3     | 3      | 3     | 3        | 3        | 3     | 3      | 3      | 3        | 3      | 91       |       |  |
| 35       | 3        | 3        | 3      | 3        | 3     | 3        | 3        | 3      | 3        | 3        | 3        | 3     | 3        | 3     | 3        | 3     | 3     | 3        | 3      | 3     | 3        | 3     | 3      | 3     | 3        | 3        | 3     | 3      | 3      | 3        | 3      | 91       |       |  |
| 36       | 4        | 3        | 4      | 3        | 3     | 3        | 3        | 3      | 3        | 3        | 3        | 4     | 4        | 4     | 3        | 3     | 3     | 4        | 3      | 3     | 3        | 4     | 3      | 3     | 4        | 4        | 3     | 3      | 4      | 4        | 3      | 103      |       |  |
| 37       | 4        | 4        | 3      | 3        | 4     | 4        | 3        | 4      | 4        | 1        | 4        | 4     | 1        | 4     | 4        | 1     | 4     | 3        | 2      | 2     | 4        | 2     | 3      | 3     | 4        | 4        | 3     | 4      | 4      | 4        | 3      | 100      |       |  |
| 38       | 3        | 4        | 3      | 3        | 4     | 4        | 3        | 4      | 4        | 4        | 4        | 4     | 4        | 4     | 4        | 4     | 4     | 3        | 4      | 4     | 4        | 4     | 4      | 4     | 4        | 4        | 4     | 4      | 4      | 4        | 3      | 114      |       |  |
| 39       | 4        | 4        | 4      | 3        | 4     | 4        | 3        | 4      | 4        | 4        | 4        | 4     | 4        | 4     | 4        | 4     | 3     | 3        | 4      | 4     | 4        | 4     | 3      | 4     | 4        | 3        | 4     | 4      | 4      | 3        | 4      | 117      |       |  |
| 40       | 3        | 3        | 3      | 3        | 3     | 3        | 3        | 3      | 3        | 3        | 3        | 3     | 3        | 3     | 3        | 3     | 3     | 3        | 3      | 3     | 3        | 3     | 2      | 3     | 3        | 3        | 3     | 3      | 3      | 2        | 3      | 91       |       |  |
| SKOR     | 134      | 113      | 122    | 111      | 120   | 123      | 103      | 126    | 107      | 107      | 127      | 132   | 111      | 128   | 127      | 104   | 124   | 107      | 102    | 112   | 125      | 112   | 94     | 132   | 107      | 123      | 108   | 106    | 110    | 113      | 130    | 3600     |       |  |
| (ΣX)^2   | 17956    | 12769    | 14884  | 12321    | 14400 | 15129    | 10609    | 15876  | 11449    | 11449    | 16129    | 17424 | 12321    | 16384 | 16129    | 10816 | 15376 | 11449    | 10404  | 12544 | 15625    | 12544 | 8836   | 17424 | 11449    | 15129    | 11664 | 11236  | 12100  | 12769    | 16900  | 12960000 |       |  |
| ΣX^2     | 464      | 349      | 394    | 329      | 382   | 397      | 293      | 422    | 325      | 323      | 427      | 452   | 353      | 430   | 427      | 302   | 404   | 303      | 304    | 350   | 411      | 358   | 242    | 454   | 335      | 395      | 338   | 324    | 354    | 345      | 450    | 333920   |       |  |
| N        | 40       | 40       | 40     | 40       | 40    | 40       | 40       | 40     | 40       | 40       | 40       | 40    | 40       | 40    | 40       | 40    | 40    | 40       | 40     | 40    | 40       | 40    | 40     | 40    | 40       | 40       | 40    | 40     | 40     | 40       | 40     |          |       |  |
| obi^2    | 0,3775   | 0,744375 | 0,5475 | 0,524375 | 0,55  | 0,469375 | 0,694375 | 0,6275 | 0,969375 | 0,919375 | 0,594375 | 0,41  | 1,124375 | 0,51  | 0,594375 | 0,79  | 0,49  | 0,419375 | 1,0975 | 0,91  | 0,509375 | 1,11  | 0,5275 | 0,46  | 1,219375 | 0,419375 | 1,16  | 1,0775 | 1,2875 | 0,644375 | 0,6875 | 248      |       |  |
| Σobi^2   | 22,46625 |          |        |          |       |          |          |        |          |          |          |       |          |       |          |       |       |          |        |       |          |       |        |       |          |          |       |        |        |          |        |          | Σet^2 |  |
| k        | 31       |          |        |          |       |          |          |        |          |          |          |       |          |       |          |       |       |          |        |       |          |       |        |       |          |          |       |        |        |          |        |          |       |  |
| r        | 0,9397   |          |        |          |       |          |          |        |          |          |          |       |          |       |          |       |       |          |        |       |          |       |        |       |          |          |       |        |        |          |        |          |       |  |
| Kriteria | Tinggi   |          |        |          |       |          |          |        |          |          |          |       |          |       |          |       |       |          |        |       |          |       |        |       |          |          |       |        |        |          |        |          |       |  |

## UJI RELIABILITAS MINAT BELAJAR MATEMATIKA SISWA SECARA

### MANUAL

Diketahui :

$$r = 31$$

$$\sigma_{bi}^2 = 22,466$$

$$\sigma_i^2 = 248$$

Penyelesaian:

$$r_i = \frac{k}{(k-1)} \left[ 1 - \frac{\sum \sigma_{bi}^2}{\sigma_i^2} \right]$$

$$r = \frac{31}{(31-1)} \left[ 1 - \frac{22,466}{248} \right]$$

$$r = (1,0333)(0,9094)$$

$$r = 0,9397$$

Jadi, karena nilai hitung  $>0,6$  maka hasil uji reliabilitas angket resiliensi matematis siswa dinyatakan reliabel dengan kriteria sangat tinggi.



# **Lampiran 3**

## **Hasil Penelitian**

## LAMPIRAN 3.A

### Hasil Total Penelitian

#### 1. hasil total penelitian di Madrasah Aliyah Al-Azhar amondo

| Responden | resiliensi matematis | minat belajar matematika |
|-----------|----------------------|--------------------------|
| 1         | 73                   | 77                       |
| 2         | 71                   | 89                       |
| 3         | 71                   | 98                       |
| 4         | 72                   | 92                       |
| 5         | 64                   | 78                       |
| 6         | 64                   | 86                       |
| 7         | 67                   | 84                       |
| 8         | 79                   | 98                       |
| 9         | 58                   | 87                       |
| 10        | 65                   | 84                       |
| 11        | 75                   | 78                       |
| 12        | 70                   | 72                       |
| 13        | 67                   | 78                       |
| 14        | 76                   | 83                       |
| 15        | 79                   | 97                       |
| 16        | 81                   | 105                      |
| 17        | 65                   | 95                       |
| 18        | 71                   | 66                       |
| 19        | 76                   | 71                       |
| 20        | 67                   | 74                       |
| 21        | 73                   | 93                       |
| 22        | 72                   | 68                       |
| 23        | 72                   | 82                       |
| 24        | 75                   | 86                       |
| 25        | 70                   | 74                       |
| 26        | 74                   | 94                       |
| SKOR      | 1847                 | 2189                     |
| RATA-RATA | 71,03846             | 84,19231                 |
| VARIANS   | 28,75846             | 106,5615                 |
| XMAN      | 81                   | 105                      |
| XMIN      | 58                   | 66                       |
| SD        | 5,362692             | 10,32286                 |

## 2. hasil total penelitian di SMAn 18 Konsel

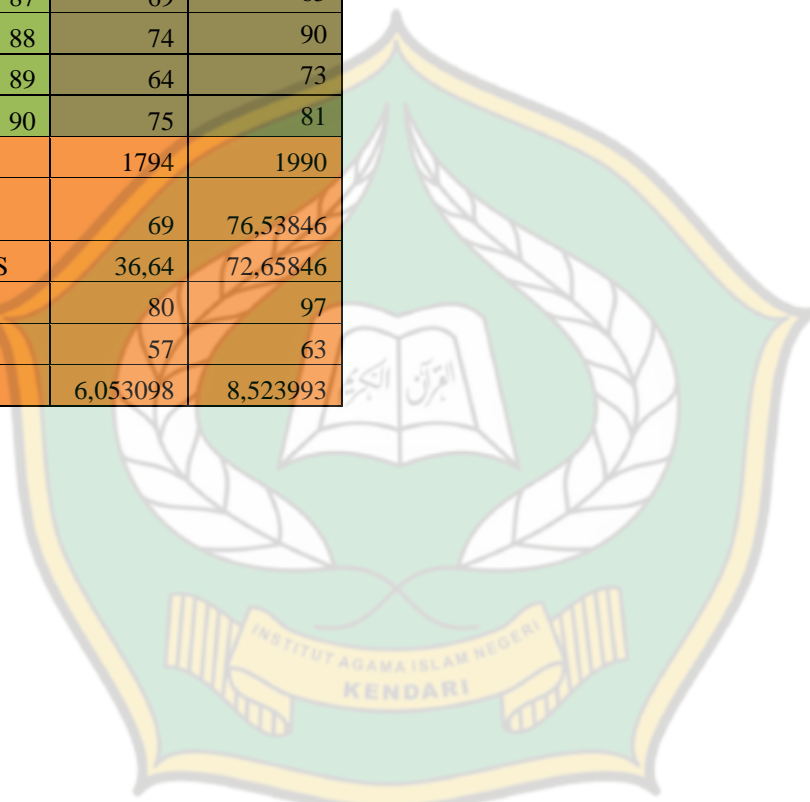
| responden | resiliensi matematis | minat belajar matematika |
|-----------|----------------------|--------------------------|
| 1         | 65                   | 75                       |
| 2         | 69                   | 66                       |
| 3         | 78                   | 77                       |
| 4         | 74                   | 80                       |
| 5         | 68                   | 82                       |
| 6         | 75                   | 78                       |
| 7         | 61                   | 70                       |
| 8         | 63                   | 68                       |
| 9         | 62                   | 66                       |
| 10        | 75                   | 80                       |
| 11        | 70                   | 77                       |
| 12        | 76                   | 79                       |
| 13        | 75                   | 73                       |
| 14        | 68                   | 76                       |
| 15        | 70                   | 98                       |
| 16        | 68                   | 73                       |
| 17        | 86                   | 87                       |
| 18        | 67                   | 75                       |
| 19        | 74                   | 69                       |
| 20        | 80                   | 102                      |
| 21        | 72                   | 93                       |
| 22        | 80                   | 94                       |
| 23        | 73                   | 89                       |
| 24        | 67                   | 74                       |
| 25        | 66                   | 69                       |
| 26        | 77                   | 80                       |
| 27        | 68                   | 95                       |
| 28        | 73                   | 64                       |
| 29        | 63                   | 97                       |
| 30        | 69                   | 67                       |
| 31        | 60                   | 83                       |
| 32        | 69                   | 77                       |
| 33        | 90                   | 76                       |
| 34        | 72                   | 98                       |
| 35        | 67                   | 70                       |
| 36        | 74                   | 77                       |



|    |    |     |
|----|----|-----|
| 37 | 75 | 102 |
| 38 | 76 | 83  |
| 39 | 63 | 72  |
| 40 | 72 | 65  |
| 41 | 69 | 73  |
| 42 | 78 | 75  |
| 43 | 68 | 71  |
| 44 | 62 | 86  |
| 45 | 69 | 92  |
| 46 | 84 | 74  |
| 47 | 70 | 67  |
| 48 | 66 | 87  |
| 49 | 72 | 72  |
| 50 | 86 | 87  |
| 51 | 81 | 65  |
| 52 | 73 | 65  |
| 53 | 65 | 89  |
| 54 | 76 | 72  |
| 55 | 68 | 72  |
| 56 | 70 | 86  |
| 57 | 62 | 75  |
| 58 | 72 | 93  |
| 59 | 72 | 81  |
| 60 | 76 | 92  |
| 61 | 66 | 63  |
| 62 | 67 | 64  |
| 63 | 66 | 75  |
| 64 | 66 | 60  |
| 65 | 57 | 68  |
| 66 | 72 | 78  |
| 67 | 71 | 88  |
| 68 | 68 | 71  |
| 69 | 72 | 72  |
| 70 | 71 | 97  |
| 71 | 62 | 77  |
| 72 | 66 | 82  |
| 73 | 58 | 67  |
| 74 | 69 | 81  |
| 75 | 66 | 77  |
| 76 | 76 | 81  |



|           |          |          |
|-----------|----------|----------|
| 77        | 75       | 83       |
| 78        | 65       | 67       |
| 79        | 78       | 86       |
| 80        | 80       | 63       |
| 81        | 77       | 71       |
| 82        | 64       | 68       |
| 83        | 64       | 81       |
| 84        | 63       | 71       |
| 85        | 72       | 70       |
| 86        | 66       | 82       |
| 87        | 69       | 65       |
| 88        | 74       | 90       |
| 89        | 64       | 73       |
| 90        | 75       | 81       |
| SKOR      | 1794     | 1990     |
| RATA-RATA | 69       | 76,53846 |
| VARIANS   | 36,64    | 72,65846 |
| XMAN      | 80       | 97       |
| XMIN      | 57       | 63       |
| SD        | 6,053098 | 8,523993 |





### LAMPIRAN 3. B

#### KETERCAPAIAN INDIKATOR RESILIENSI MATEMATIS

##### 1. ketercapaian indicator di Madrasah Aliyah Al-Azhar Amondo

| No         | Indikator   | Skor Ideal | Skor Rata-rata ( $\bar{X}$ ) | Persentase Rata-rata (%) | Persentase Ideal (%) |
|------------|---|------------|------------------------------|--------------------------|----------------------|
| 1.         | Menunjukkan sikap tekun, bekerja keras, yakin/percaya diri serta tidak mudah menyerah dalam menghadapi masalah kegagalan dan ketidakpastian | 24         | 17,35                        | 18,07%                   | 25,00%               |
| 2.         | menunjukkan keinginan bersosialisasi, mudah memberi bantuan, berdiskusi dengan teman sebaya dan beradaptasi dengan lingkungannya.           | 24         | 16,54                        | 17,23%                   | 25,00%               |
| 3.         | Memunculkan ide/cara baru dengan mencari solusi kreatif terhadap tantangan  | 16         | 12,08                        | 12,58%                   | 16,67%               |
| 4.         | Menggunakan pengalaman kegagalan untuk membangun motivasi diri  | 16         | 12,12                        | 12,62%                   | 16,67%               |
| 5.         | Memiliki rasa ingin tahu, merefleksi, meneliti dan memanfaatkan beragam sumber  | 8          | 6,54                         | 6,81%                    | 8,33%                |
| 6.         | memiliki kemampuan mengontrol diri, sadar akan perasaanya.  | 8          | 6,4                          | 6,69%                    | 8,33%                |
| Skor Total |   |            | 71,04                        | 74,00%                   | 100%                 |

## 2. ketercapaian indikator di SMAN 18 Konsel

| No         | Indikator   | Skor Ideal | Skor Rata-rata ( $\bar{X}$ ) | Persentase Rata-rata (%) | Persentase Ideal (%) |
|------------|---|------------|------------------------------|--------------------------|----------------------|
| 1.         | Menunjukkan sikap tekun, bekerja keras, yakin/percaya diri serta tidak mudah menyerah dalam menghadapi masalah kegagalan dan ketidakpastian | 24         | 17,73                        | 18,47%                   | 25,00%               |
| 2.         | menunjukkan keinginan bersosialisasi, mudah memberi bantuan, berdiskusi dengan teman sebaya dan beradaptasi dengan lingkungannya.           | 24         | 16,58                        | 17,27%                   | 25,00%               |
| 3.         | Memunculkan ide/cara baru dengan mencari solusi kreatif terhadap tantangan  | 16         | 11,04                        | 11,50%                   | 16,67%               |
| 4.         | Menggunakan pengalaman kegagalan untuk membangun motivasi diri  | 16         | 10,58                        | 11,02%                   | 16,67%               |
| 5.         | Memiliki rasa ingin tahu, merefleksi, meneliti dan memanfaatkan beragam sumber  | 8          | 6,69                         | 6,97%                    | 8,33%                |
| 6.         | memiliki kemampuan mengontrol diri, sadar akan perasaanya.  | 8          | 6,38                         | 6,65%                    | 8,33%                |
| Skor Total |   |            | 69,00                        | 71,88%                   | 100%                 |

### LAMPIRAN 3. D

#### KETERCAPAIAN INDIKATOR MINAT BELAJAR MATEMATIKA SISWA

##### 1. ketercapaian indicator di Madrasah Aliyah Al-Azhar Amondo

| No    | Indikator                                   | Skor Ideal | Skor Rata-Rata<br>$\bar{X}$ | Persentase<br>Rata-Rata<br>(%) | Persentase<br>Ideal (%) |
|-------|---|------------|-----------------------------|--------------------------------|-------------------------|
| 1     | Ketertarikan<br>Untuk Belajar<br>Matematika | 48         | 34,08                       | 27,48%                         | 38,71%                  |
| 2     | Perhatian<br>Dalam Belajar<br>Matematika    | 36         | 23,54                       | 18,98%                         | 29,03%                  |
| 3     | Kesadaran                                   | 16         | 10,92                       | 8,81%                          | 12,90%                  |
| 4     | Perasaan<br>Senang                          | 24         | 15,65                       | 12,62%                         | 19,35%                  |
| Total |   |            | 85,19                       | 67,90%                         | 100%                    |

## 2. ketercapaian indikator di SMAN 18 Konseil

| No    | Indikator                                   | Skor Ideal | Skor Rata-Rata<br>$\overline{X}$ | Persentase<br>Rata-Rata<br>(%) | Persentase<br>Ideal (%) |
|-------|---|------------|----------------------------------|--------------------------------|-------------------------|
| 1     | Ketertarikan<br>Untuk Belajar<br>Matematika | 48         | 30,85                            | 24,88%                         | 38,71%                  |
| 2     | Perhatian<br>Dalam Belajar<br>Matematika    | 36         | 21,50                            | 17,34%                         | 29,03%                  |
| 3     | Kesadaran                                   | 16         | 9,12                             | 7,35%                          | 12,90%                  |
| 4     | Perasaan<br>Senang                          | 24         | 15,08                            | 12,16%                         | 19,35%                  |
| Total |   |            | 85,19                            | 61,72%                         | 100%                    |





**Lampiran 4**  
**Uji prasyarat**  
**analisis**

Lampiran 4. A

## UJI NORMALITAS

### 1. Resiliensi Matematis

|                  |         | Tests of Normality              |    |       |              |    |      |
|------------------|---------|---------------------------------|----|-------|--------------|----|------|
|                  |         | Kolmogorov-Smirnov <sup>a</sup> |    |       | Shapiro-Wilk |    |      |
|                  | Nominal | Statistic                       | Df | Sig.  | Statistic    | df | Sig. |
| resiliensi_minat | MA      | .111                            | 26 | .200* | .979         | 26 | .854 |
|                  | SMA     | .087                            | 90 | .086  | .974         | 90 | .068 |

\*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction



**2. Minat Belajar Matematika**

|                       |         | Tests of Normality              |    |       |              |    |      |
|-----------------------|---------|---------------------------------|----|-------|--------------|----|------|
|                       |         | Kolmogorov-Smirnov <sup>a</sup> |    |       | Shapiro-Wilk |    |      |
|                       | Nominal | Statistic                       | df | Sig.  | Statistic    | df | Sig. |
| TRANS_RESILIENSI_MINA | MA      | .174                            | 10 | .200* | .901         | 10 | .223 |
| T                     | SMA     | .087                            | 54 | .200* | .967         | 54 | .137 |

\*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction



## LAMPIRAN 4.B

### UJI HOMOGENITAS

#### 1. RESILIENSI MATEMATIS SISWA

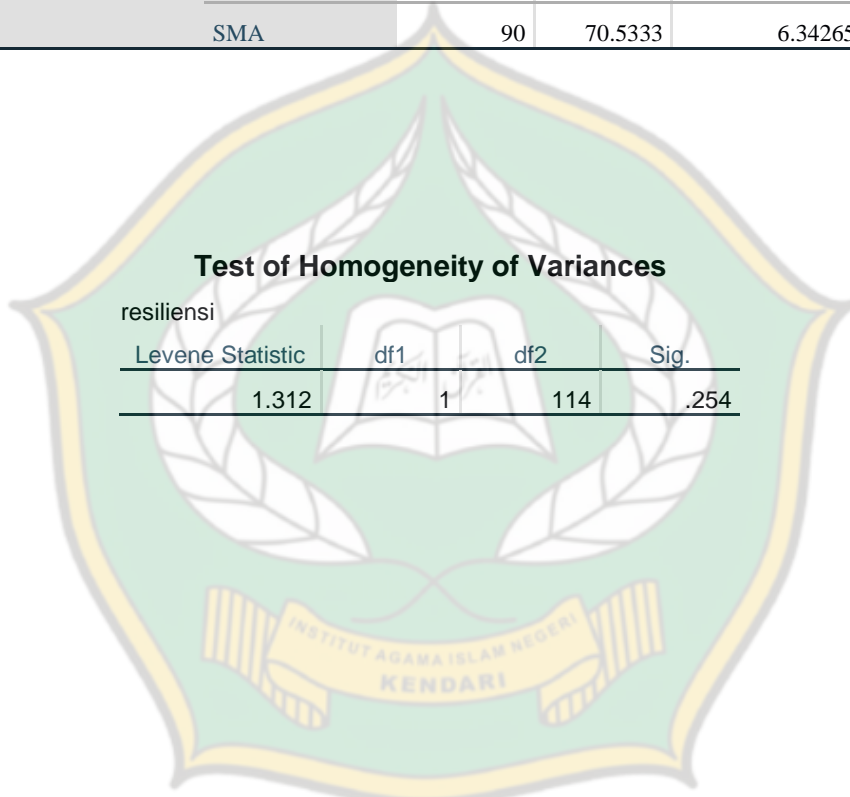
##### Group Statistics

|                      | Asal_sekolah | N  | Mean    | Std. Deviation | Std. Error Mean |
|----------------------|--------------|----|---------|----------------|-----------------|
| Resiliensi_matematis | MA           | 26 | 71.0385 | 5.36269        | 1.05171         |
|                      | SMA          | 90 | 70.5333 | 6.34265        | .66857          |

##### Test of Homogeneity of Variances

resiliensi

| Levene Statistic | df1 | df2 | Sig. |
|------------------|-----|-----|------|
| 1.312            | 1   | 114 | .254 |





## 2. MINAT BELAJAR MATEMATIKA SISWA

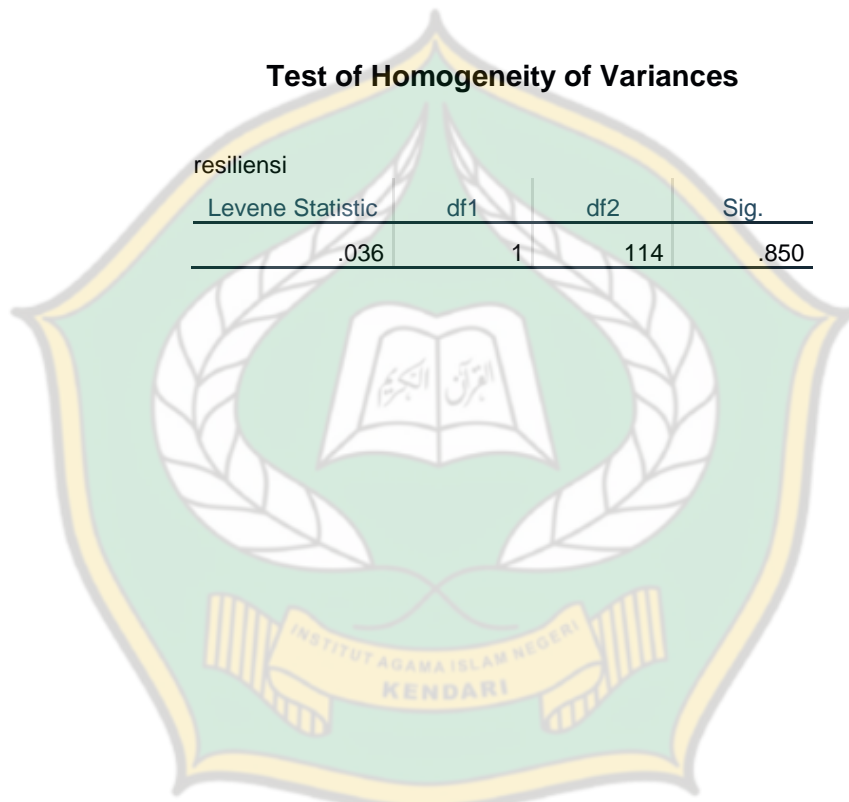
### Group Statistics

|                              | Asal_sekolah | N  | Mean    | Std. Deviation | Std. Error Mean |
|------------------------------|--------------|----|---------|----------------|-----------------|
| minat_belajar_matemati<br>ka | MA           | 26 | 84.1923 | 10.32286       | 2.02448         |
|                              | SMA          | 90 | 77.8000 | 10.05289       | 1.05967         |

### Test of Homogeneity of Variances

resiliensi

| Levene Statistic | df1 | df2 | Sig. |
|------------------|-----|-----|------|
| .036             | 1   | 114 | .850 |



The logo of Institut Agama Islam Negeri Kendari is a shield-shaped emblem. It features a central white book with Arabic calligraphy, flanked by two white wings. The book and wings are set against a green background with a white laurel wreath. The entire emblem is enclosed in a yellow border. At the bottom of the shield, a yellow banner contains the text "INSTITUT AGAMA ISLAM NEGERI KENDARI" in black capital letters.

# **Lampiran 5**

# **Uji Regresi**

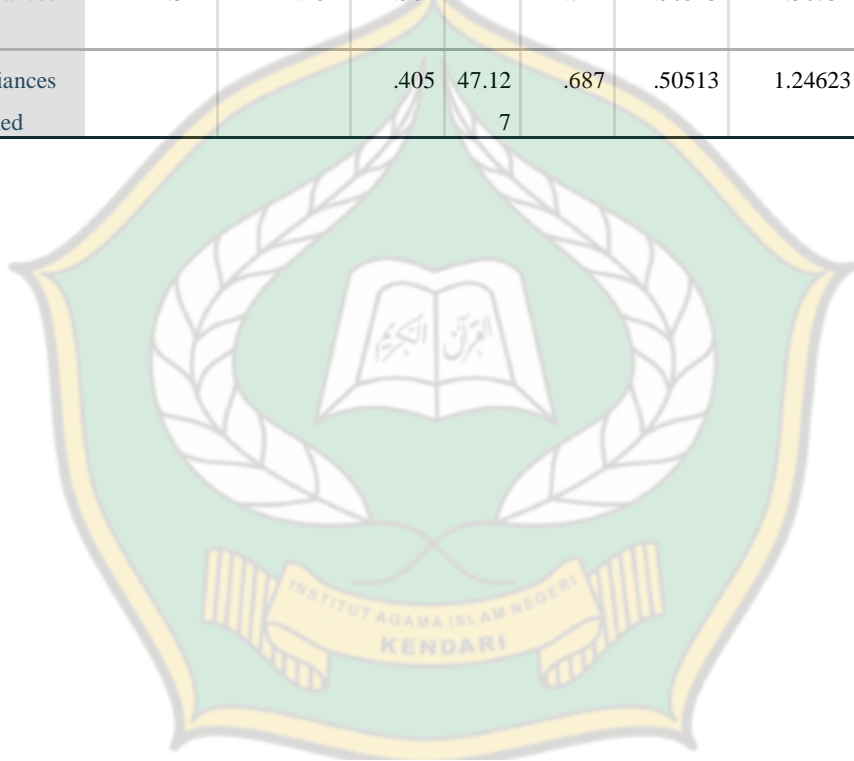
**LAMPIRAN 5.A**

**UJI STATISTIK PARAMETRIK**

**1. Resiliensi Matematis**

**Independent Samples Test**

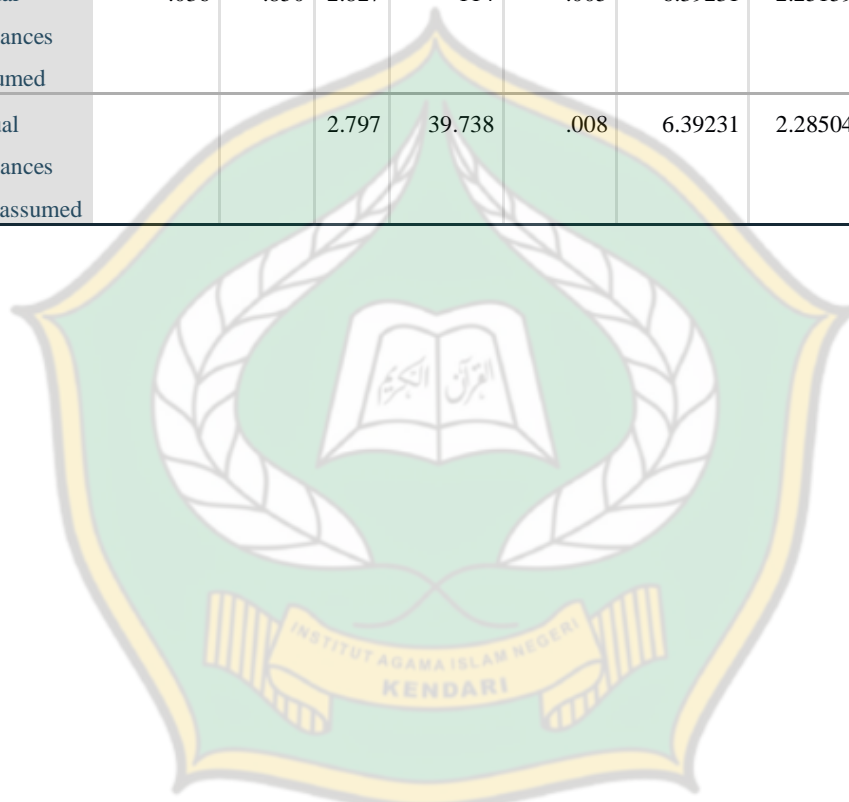
|                      |                             | Levene's Test for Equality of Variances |      | t-test for Equality of Means |        |                 |                 |                       |   |         |
|----------------------|-----------------------------|---|------|------------------------------|--------|-----------------|-----------------|-----------------------|---|---------|
|                      |                             | F                                       | Sig. | t                            | df     | Sig. (2-tailed) | Mean Difference | Std. Error Difference | 95% Confidence Interval of the Difference |         |
|                      |                             |   |      |                              |        |                 |                 |                       | Lower                                     | Upper   |
| resiliensi_matematis | Equal variances assumed     | 1.312                                   | .254 | .362                         | 114    | .712            | .50513          | 1.36732               | -2.20353                                  | 3.21378 |
|                      | Equal variances not assumed |   |      | .405                         | 47.127 | .687            | .50513          | 1.24623               | -2.00178                                  | 3.01204 |



## 2. Minat Belajar Matematika

### Independent Samples Test

|                          |                             | Levene's Test for Equality of Variances |      | t-test for Equality of Means |        |                 |                 |                       | 95% Confidence Interval of the Difference |          |
|--------------------------|-----------------------------|---|------|------------------------------|--------|-----------------|-----------------|-----------------------|---|----------|
|                          |                             | F                                       | Sig. | t                            | Df     | Sig. (2-tailed) | Mean Difference | Std. Error Difference | Lower                                     | Upper    |
| minat_belajar_matematika | Equal variances assumed     | .036                                    | .850 | 2.827                        | 114    | .005            | 6.39231         | 2.25159               | 1.93193                                   | 10.85269 |
|                          | Equal variances not assumed |   |      | 2.797                        | 39.738 | .008            | 6.39231         | 2.28504               | 1.77311                                   | 11.01150 |




# Lampiran 6

# Dokumentasi



## Lampiran 6. A Surat Izin Penelitian

**PEMERINTAH PROVINSI SULAWESI TENGGARA**  
**BADAN PENELITIAN DAN PENGEMBANGAN**  
Jl. Mayjend S. Parman No. 03 Kendari 93121  
Website : balitbang.sulawesitenggara.prov.go.id Email: badan.litbang.sultra01@gmail.com

Kendari, 08 Juni 2021

K e p a d a  
Yth Kadis Pendidikan dan Kebudayaan Prov. Sultra  
Di -  
KENDARI

Nomor : 070/1781/Balitbang/2021  
Sifat : -  
Lampiran : -  
Perihal : IZIN PENELITIAN.

Berdasarkan Surat Dekan FATIK IAIN Kendari Nomor :  
1167/In.23/FT/TL.00/05/2021 tanggal 07 Juni 2021 perihal tersebut diatas, Peneliti di  
bawah ini :

Nama : ASRIANTI  
NIM : 17010110020  
Prodi : Tadris Matematika  
Pekerjaan : Mahasiswa  
Lokasi Penelitian : SMAN 18 Konsel dan Madrasah Aliyah Al-Azhar Amando  
Kab. Konsel

Bermaksud untuk Melakukan Penelitian/Pengambilan Data di Daerah/Sesuai Lokasi  
di atas, dalam rangka penyusunan KTI/Skripsi/Tesis/Disertasi, dengan judul :

**"ANALISIS RESILIENSI MATEMATIS DITINJAU DARI MINAT DAN ASAL  
SEKOLAH SISWA".**


Yang akan dilaksanakan dari tanggal : 08 Juni 2021 sampai selesai.

Sehubungan dengan hal tersebut diatas, pada prinsipnya kami menyetujui kegiatan  
dimaksud dengan ketentuan :

1. Senantiasa menjaga keamanan dan ketertiban serta mentaati perundang-undangan yang berlaku.
2. Tidak mengadakan kegiatan lain yang bertentangan dengan rencana semula.
3. Dalam setiap kegiatan dilapangan agar pihak Peneliti senantiasa koordinasi dengan Pemerintah setempat.
4. Wajib menghormati adat Istiadat yang berlaku di daerah setempat.
5. Menyerahkan 1 (satu) exemplar copy hasil penelitian kepada Gubernur Sulawesi Tenggara Cq- Kepala Badan Penelitian dan Pengembangan Provinsi Sulawesi Tenggara.
6. Surat izin akan dicabut kembali dan dinyatakan tidak berlaku apabila ternyata pemegang surat izin ini tidak mentaati ketentuan tersebut diatas.

Demikian surat Izin Penelitian diberikan untuk digunakan sebagaimana mestinya.

an. GUBERNUR SULAWESI TENGGARA  
KEPALA BADAN PENELITIAN & PENGEMBANGAN  
PROV. SULAWESI TENGGARA  
KABID. SOSIAL DAN KEPENDUDUKAN,

  
**LA TANAMPE, S.Pd, M.Hum**  
Pembina 1st / Gol. IV/b  
Nip. 196612301990031004

**Tembusan :**

1. Gubernur Sulawesi Tenggara (sebagai laporan) di Kendari;
2. Bupati Konawe Selatan di Andoolo;
3. Dekan FATIK IAIN di Kendari;
4. Ketua Prodi Tadris Matematika FATIK IAIN Kendari di Kendari;
5. Kepala Balitbang Kab. Konsel di Andoolo;
6. Kepala Kantor Kementerian Agama Kab. Konsel di Andoolo;
7. Kepala SMAN 18 Konsel di Tempat;
8. Kepala Madrasah Al-Azhar Amando di Tempat;
9. Mahasiswa yang bersangkutan.



**Gambar 3. Pengisian Angket**



**B. Pemberian Angket**

