

LAMPIRAN



LAMPIRAN 1

UJI COBA INSTRUMEN PENELITIAN

1.1 Lingkungan Keluarga

Nama :

Kelas :

Hari/Tanggal :

Petunjuk :

1. Tuliskan Nama, Kelas dan Hari Tanggal pada kolom yang telah disediakan
2. Beri tanda centang (√) pada kolom pendapat yang dikehendaki

Keterangan :

SSR : Sangat sering
SR : Sering
KD : Kadang-kadang
TP : Tidak Pernah

| No. | Pernyataan | SSR | SR | KD | TP |
|--------------------------------|--|-----|----|----|----|
| Cara Orang Tua Mendidik | | | | | |
| 1 | Orang tua saya mengingatkan untuk selalu belajar di rumah | | | | |
| 2 | Orang tua saya akan menanyakan/memeriksa hasil ulangan pada setiap pelajaran saat di rumah | | | | |
| 3 | Orang tua saya memberikan batasan waktu bermain setiap harinya | | | | |
| 4 | Orang tua saya membiasakan saya untuk mengerjakan sesuatu sesuai dengan aturan dan waktu yang telah disepakati bersama | | | | |
| 5 | Orang tua saya selalu menegur ketika saya melakukan kesalahan yang melanggar aturan dalam keluarga | | | | |
| 6 | Orang tua saya memberi hukuman ketika saya mendapat nilai yang buruk | | | | |
| 7 | Orang tua saya mengarahkan pendidikan sesuai minat dan bakat yang saya miliki | | | | |

| Relasi Antar Anggota Keluarga | | | | | |
|--------------------------------------|---|--|--|--|--|
| 8 | Orang tua saya memberikan dukungan dan perhatian yang sama antara saya dengan saudara saya yang lain | | | | |
| 9 | Orang tua saya tidak membandingkan-bandingkan saya dengan saudara yang lain | | | | |
| 10 | Orang tua dan saudara saya memotivasi saya untuk melanjutkan sekolah ke jenjang yang lebih tinggi | | | | |
| 11 | Orang tua saya cenderung bersikap kurang peduli jika saya melakukan kesalahan | | | | |
| 12 | Saya lebih nyaman mencurahkan isi hati saya dan meminta pendapat kepada orang lain daripada ke orang tua sendiri | | | | |
| 13 | Keluarga saya memberi perhatian dan kasih sayang yang cukup buat saya | | | | |
| Suasana Rumah | | | | | |
| 14 | Orang tua saya tidak pernah bertengkar dengan anggota keluarga yang lain | | | | |
| 15 | Berdasarkan situasi dan kondisi rumah, saya lebih nyaman belajar di tempat lain daripada di rumah saya sendiri | | | | |
| 16 | Anggota keluarga memberikan dukungan kepada saya untuk belajar dengan tenang dan tidak menyalakan TV, radio, musik atau berbincang dengan keras saat saya belajar | | | | |
| 17 | Saya pernah melihat kedua orang tua saya berselisih paham atau bertengkar | | | | |
| Kondisi Ekonomi Keluarga | | | | | |
| 18 | Orang tua saya tepat waktu dalam membayar uang sekolah saya | | | | |
| 19 | Orang tua saya memiliki penghasilan cukup yang akan selalu memenuhi ketika saya meminta untuk kebutuhan belajar / sekolah | | | | |
| 20 | Saya bekerja untuk membantu orang tua memenuhi kebutuhan sehari-hari sehingga belajar saya terganggu | | | | |
| 21 | Orang tua saya mengeluh pada saat mengeluarkan biaya untuk sekolah saya | | | | |
| 22 | Orang tua saya selalu memprioritaskan pengeluaran untuk pendidikan | | | | |

| Pengertian/Perhatian Keluarga | | | | | |
|--------------------------------------|--|--|--|--|--|
| 23 | Orang tua saya menanyakan kesulitan-kesulitan yang saya alami dalam belajar | | | | |
| 24 | Orang tua saya memberikan solusi ketika saya mengalami kesulitan | | | | |
| 25 | Orang tua saya memberi kebebasan kepada saya untuk berteman dengan siapa pun | | | | |
| 26 | Orang tua saya sibuk bekerja sehingga kurang memperhatikan pendidikan saya | | | | |
| 27 | Orang tua saya membimbing saya pada saat belajar | | | | |
| 28 | Orang tua senantiasa memperhatikan dan memperingatkan apabila saya tidak belajar | | | | |
| Latar Belakang Kebudayaan | | | | | |
| 29 | Orang tua saya akan memberikan imbalan hadiah, jika saya mendapatkan prestasi yang memuaskan dan sesuai dengan harapan orang tua | | | | |
| 30 | Orang tua saya menekankan kejujuran kepada saya saat mengerjakan soal-soal ujian | | | | |

(Modifikasi dari Fachrunadita, 2021)



1.2 Fasilitas Belajar di Sekolah

Nama :

Kelas :

Hari/Tanggal :

Petunjuk :

1. Tuliskan Nama, Kelas dan Hari Tanggal pada kolom yang telah disediakan
2. Beri tanda centang (✓) pada kolom pendapat yang dikehendaki

Keterangan :

SSR : Sangat Sering
SR : Sering
KD : Kadang-kadang
TP : Tidak Pernah

| No. | Pernyataan | SSR | SR | KD | TP |
|----------------------------------|--|-----|----|----|----|
| Tempat atau ruang belajar | | | | | |
| 1 | Ruang kelas yang saya tempati selalu dalam kondisi bersih | | | | |
| 2 | Ruang kelas yang saya tempati memiliki ukuran yang luas sehingga mudah dalam aktivitas | | | | |
| 3 | Saya nyaman dalam belajar karena tidak ada bagian ruangan yang rusak dan cukup terawatt | | | | |
| 4 | Penerangan ruang kelas kurang baik sehingga terganggu ketika pembelajaran dilaksanakan | | | | |
| 5 | Posisi tempat duduk selalu diubah oleh guru agar tidak bosan dalam belajar | | | | |
| 6 | Saya mencoret-coret meja dan kursi yang disediakan oleh sekolah | | | | |
| 7 | Ruang kelas yang saya tempati tidak memiliki kipas dan ventilasi udara yang cukup sehingga terasa panas (menggangu proses belajar) | | | | |
| 8 | Saya tidak nyaman belajar lama-lama di ruang kelas karena letaknya dekat dengan selokan dan pembuangan sampah | | | | |
| Buku-Buku Pegangan | | | | | |
| 9 | Saya memiliki semua buku materi pelajaran | | | | |
| 10 | Saya mempunyai satu buku materi pelajaran | | | | |

| | | | | | |
|--|---|--|--|--|--|
| 11 | Semua buku pelajaran saya rawat dengan baik | | | | |
| 12 | Saya tidak pernah mengerjakan PR yang diberikan di buku mata pelajaran | | | | |
| 13 | Saya tidak pernah meluangkan waktu untuk membaca buku pelajaran ketika tidak memahami materi tersebut | | | | |
| 14 | Saya tidak memiliki buku pegangan dikarenakan pihak sekolah membebankan kepada siswa untuk membelinya | | | | |
| 15 | Jumlah buku pegangan yang disediakan sekolah tidak memadai sesuai dengan jumlah siswa yang ada sehingga ada beberapa siswa yang harus berbagi dengan temannya | | | | |
| Kelengkapan Alat-Alat Praktik | | | | | |
| 16 | Saya senang ketika guru tidak membawa alat praktik | | | | |
| 17 | Saya sangat senang ketika guru membagikan alat praktik sehingga saya bisa mencoba | | | | |
| 18 | Alat-alat praktik tidak disediakan khusus di laboratorium untuk digunakan ketika pembelajaran berlangsung | | | | |
| 19 | Perlengkapan uji coba selalu di bebaskan kepada siswa untuk membelinya | | | | |
| 20 | Sekolah saya tidak pernah melaksanakan praktikum dikarenakan tidak tersedianya laboratorium sekolah | | | | |
| 21 | Guru meletakkan alat praktik di tempat yang tepat sehingga semua siswa dapat melihatnya | | | | |
| Alat Bantu dan Media Pembelajaran | | | | | |
| 22 | Buku paket yang disediakan sekolah membuat siswa semangat membaca buku pelajaran | | | | |
| 23 | Buku penunjang LKS yang disediakan sekolah membuat siswa mudah menyelesaikan tugas praktek pembelajaran | | | | |
| 24 | Infokus/LCD Proyektor yang disediakan sekolah membuat siswa mudah memahami pelajaran | | | | |
| 25 | Komputer yang disediakan sekolah membuat siswa lebih cepat dalam menyelesaikan tugas pelajaran | | | | |
| 26 | Media pembelajaran yang disampaikan guru sangat membosankan | | | | |

| | | | | | |
|----|--|--|--|--|--|
| 27 | Guru selalu menggunakan media pembelajaran yang menarik sehingga saya mudah menerima pelajaran | | | | |
| 28 | Guru menggunakan media pembelajaran tidak hanya di kelas saja | | | | |
| 29 | Penyampaian materi pelajaran yang disediakan guru tidak sesuai dengan media pembelajaran yang diterapkan | | | | |
| 30 | Guru dapat menggunakan alat bantu yang sudah ada dengan mengembangkannya menggunakan metode yang berbeda sehingga alat bantu dapat berfungsi lebih baik sesuai dengan tujuan yang diinginkan | | | | |

(Modifikasi dari Nur Riwayati, 2015)



LAMPIRAN 2

DATA HASIL UJI COBA INSTRUMEN PENELITIAN

2.1 Lingkungan Keluarga

| Responden | Lingkungan Keluarga | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Jumlah |
|-----------|---------------------|--------|-------|-------|-------|-------------|-------------|-------|-------------|-------|-------------|-------------|-------|-------------|-------|-------|-------------|-------|-------|-------------|-------------|-------|-------|-------|-------------|-------|-------|-------|-------|-------|--------|
| | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P9 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 | P20 | P21 | P22 | P23 | P24 | P25 | P26 | P27 | P28 | P29 | P30 | |
| 1 | 4 | 4 | 4 | 4 | 4 | 2 | 4 | 4 | 1 | 4 | 2 | 3 | 3 | 3 | 2 | 4 | 4 | 2 | 3 | 3 | 4 | 4 | 3 | 3 | 1 | 3 | 2 | 4 | 3 | 4 | 95 |
| 2 | 3 | 2 | 2 | 2 | 3 | 2 | 1 | 4 | 4 | 3 | 4 | 4 | 4 | 1 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 4 | 93 |
| 3 | 4 | 3 | 3 | 4 | 4 | 2 | 2 | 3 | 2 | 2 | 4 | 4 | 4 | 1 | 3 | 2 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 2 | 4 | 3 | 3 | 3 | 4 | 96 |
| 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 3 | 4 | 2 | 4 | 1 | 3 | 3 | 3 | 4 | 4 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 2 | 96 |
| 5 | 4 | 3 | 3 | 3 | 4 | 4 | 1 | 3 | 2 | 4 | 4 | 2 | 4 | 1 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 2 | 4 | 4 | 4 | 2 | 4 | 4 | 100 |
| 6 | 2 | 1 | 2 | 2 | 4 | 4 | 2 | 1 | 2 | 3 | 4 | 4 | 4 | 1 | 4 | 1 | 4 | 2 | 4 | 1 | 4 | 1 | 1 | 2 | 3 | 1 | 2 | 4 | 1 | 2 | 73 |
| 7 | 2 | 3 | 1 | 2 | 2 | 4 | 2 | 2 | 1 | 3 | 4 | 4 | 2 | 1 | 4 | 1 | 4 | 3 | 2 | 3 | 4 | 2 | 1 | 2 | 2 | 4 | 1 | 3 | 1 | 3 | 73 |
| 8 | 2 | 3 | 2 | 2 | 2 | 4 | 3 | 3 | 1 | 3 | 4 | 1 | 2 | 1 | 4 | 2 | 3 | 4 | 4 | 4 | 4 | 3 | 4 | 2 | 1 | 4 | 2 | 2 | 4 | 4 | 84 |
| 9 | 4 | 3 | 4 | 4 | 3 | 1 | 3 | 4 | 3 | 4 | 2 | 2 | 3 | 4 | 2 | 4 | 2 | 4 | 3 | 1 | 2 | 4 | 4 | 3 | 4 | 2 | 4 | 3 | 4 | 3 | 93 |
| 10 | 2 | 3 | 4 | 2 | 3 | 4 | 3 | 2 | 3 | 3 | 1 | 3 | 4 | 2 | 3 | 3 | 3 | 3 | 4 | 2 | 3 | 3 | 1 | 1 | 4 | 2 | 4 | 4 | 3 | 3 | 85 |
| 11 | 2 | 1 | 2 | 1 | 2 | 2 | 2 | 1 | 3 | 1 | 3 | 2 | 4 | 4 | 2 | 4 | 1 | 2 | 2 | 4 | 4 | 3 | 1 | 1 | 4 | 2 | 1 | 1 | 1 | 3 | 66 |
| 12 | 3 | 2 | 2 | 2 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 3 | 3 | 2 | 3 | 3 | 3 | 2 | 84 |
| 13 | 3 | 4 | 2 | 1 | 4 | 2 | 1 | 3 | 4 | 1 | 3 | 1 | 3 | 4 | 2 | 1 | 2 | 4 | 2 | 2 | 4 | 4 | 3 | 1 | 4 | 3 | 4 | 3 | 4 | 4 | 83 |
| 14 | 3 | 2 | 2 | 2 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 86 |
| 15 | 4 | 2 | 4 | 4 | 4 | 3 | 3 | 3 | 2 | 4 | 2 | 2 | 3 | 3 | 3 | 2 | 3 | 3 | 4 | 4 | 3 | 3 | 2 | 4 | 3 | 3 | 3 | 3 | 2 | 4 | 92 |
| 16 | 3 | 4 | 4 | 3 | 4 | 3 | 1 | 2 | 1 | 4 | 2 | 4 | 4 | 2 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 1 | 3 | 4 | 3 | 4 | 3 | 96 |
| 17 | 4 | 4 | 2 | 3 | 4 | 2 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 1 | 4 | 2 | 2 | 4 | 4 | 4 | 4 | 4 | 1 | 3 | 4 | 2 | 4 | 4 | 4 | 3 | 101 |
| 18 | 3 | 2 | 4 | 3 | 4 | 2 | 3 | 4 | 4 | 2 | 4 | 3 | 4 | 3 | 4 | 3 | 3 | 3 | 3 | 4 | 4 | 2 | 3 | 4 | 2 | 4 | 3 | 3 | 3 | 3 | 96 |
| 19 | 2 | 3 | 4 | 3 | 4 | 3 | 3 | 3 | 2 | 4 | 4 | 3 | 4 | 2 | 3 | 4 | 3 | 4 | 3 | 3 | 3 | 3 | 4 | 3 | 4 | 2 | 3 | 3 | 3 | 2 | 95 |
| 20 | 2 | 2 | 3 | 3 | 2 | 4 | 4 | 2 | 1 | 4 | 4 | 4 | 3 | 1 | 2 | 2 | 4 | 3 | 3 | 4 | 4 | 4 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 79 |
| 21 | 3 | 2 | 3 | 3 | 4 | 2 | 3 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 2 | 3 | 4 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 96 |
| 22 | 3 | 2 | 4 | 1 | 2 | 3 | 3 | 2 | 3 | 1 | 2 | 2 | 1 | 1 | 2 | 2 | 3 | 2 | 2 | 4 | 4 | 2 | 1 | 1 | 3 | 2 | 2 | 1 | 4 | 4 | 69 |
| 23 | 1 | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 3 | 1 | 3 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 4 | 4 | 2 | 1 | 2 | 2 | 2 | 2 | 3 | 1 | 2 | 60 |
| 24 | 2 | 2 | 1 | 4 | 3 | 3 | 1 | 2 | 3 | 2 | 1 | 3 | 3 | 4 | 2 | 2 | 4 | 2 | 2 | 2 | 2 | 4 | 1 | 1 | 3 | 2 | 4 | 4 | 4 | 4 | 77 |
| 25 | 4 | 3 | 3 | 3 | 4 | 2 | 4 | 4 | 3 | 4 | 3 | 2 | 4 | 1 | 2 | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 101 |
| 26 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 2 | 3 | 2 | 3 | 3 | 4 | 3 | 2 | 2 | 3 | 4 | 2 | 2 | 2 | 3 | 92 |
| 27 | 2 | 2 | 4 | 3 | 4 | 4 | 2 | 4 | 4 | 4 | 3 | 2 | 4 | 4 | 3 | 2 | 4 | 2 | 2 | 4 | 4 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 97 |
| 28 | 3 | 2 | 3 | 3 | 4 | 4 | 1 | 3 | 3 | 3 | 4 | 3 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 3 | 3 | 4 | 3 | 3 | 4 | 3 | 3 | 2 | 3 | 2 | 93 |
| 29 | 4 | 4 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 1 | 4 | 1 | 4 | 4 | 2 | 4 | 4 | 4 | 3 | 3 | 2 | 4 | 2 | 3 | 3 | 4 | 93 |
| 30 | 2 | 3 | 2 | 2 | 2 | 4 | 3 | 2 | 1 | 2 | 3 | 3 | 2 | 2 | 2 | 2 | 4 | 3 | 3 | 4 | 4 | 2 | 2 | 2 | 2 | 4 | 3 | 2 | 2 | 3 | 77 |
| r hitung | 0,711 | 0,4697 | 0,483 | 0,612 | 0,752 | -0,1326984 | 0,2387131 | 0,795 | 0,2097733 | 0,695 | 0,15836273 | 0,0952987 | 0,576 | 0,0071601 | 0,37 | 0,373 | 0,24276941 | 0,572 | 0,505 | 0,120645 | -0,112976 | 0,409 | 0,734 | 0,77 | 0,0146635 | 0,552 | 0,422 | 0,441 | 0,498 | 0,364 | |
| r tabel | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | |
| Status | Valid | Valid | Valid | Valid | Valid | Tidak Valid | Tidak Valid | Valid | Tidak Valid | Valid | Tidak Valid | Tidak Valid | Valid | Tidak Valid | Valid | Valid | Tidak Valid | Valid | Valid | Tidak Valid | Tidak Valid | Valid | Valid | Valid | Tidak Valid | Valid | Valid | Valid | Valid | Valid | Valid |

2.2 Fasilitas Belajar di Sekolah

| Responden | Fasilitas Belajar di Sekolah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Jumlah | | | | | | | | | |
|-----------|------------------------------|-------|-------|-------|-------------|-------|-------|-------|-------|-------|-------------|-------|-------|-------|-------------|--------|-------|-------------|-------|-------------|-------|-------|--------|-------------|-------------|-------------|-------|--------|-------------|--------|-------------|--------|-------|-------------|-------|-------------|--------|-------------|---------|-------------|
| | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P9 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 | P19 | P20 | P21 | P22 | P23 | P24 | P25 | P26 | P27 | P28 | P29 | P30 | | | | | | | | | | |
| 1 | 3 | 4 | 2 | 4 | 2 | 1 | 3 | 4 | 3 | 1 | 4 | 4 | 3 | 4 | 2 | 4 | 2 | 4 | 4 | 3 | 2 | 4 | 2 | 3 | 3 | 4 | 4 | 3 | 4 | 2 | 92 | | | | | | | | | |
| 2 | 3 | 4 | 3 | 3 | 1 | 1 | 2 | 3 | 3 | 4 | 4 | 3 | 3 | 4 | 4 | 3 | 1 | 3 | 4 | 4 | 1 | 3 | 2 | 1 | 4 | 3 | 3 | 2 | 3 | 4 | 86 | | | | | | | | | |
| 3 | 4 | 4 | 2 | 4 | 1 | 3 | 3 | 4 | 4 | 1 | 4 | 4 | 3 | 3 | 4 | 3 | 3 | 2 | 1 | 3 | 2 | 2 | 2 | 2 | 4 | 3 | 3 | 4 | 3 | 3 | 88 | | | | | | | | | |
| 4 | 4 | 4 | 3 | 4 | 1 | 4 | 3 | 4 | 4 | 1 | 4 | 4 | 3 | 3 | 2 | 3 | 4 | 3 | 2 | 2 | 4 | 3 | 3 | 4 | 4 | 4 | 3 | 1 | 3 | 3 | 94 | | | | | | | | | |
| 5 | 2 | 2 | 3 | 3 | 1 | 4 | 3 | 3 | 3 | 2 | 4 | 4 | 3 | 3 | 1 | 3 | 4 | 3 | 1 | 2 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 2 | 3 | 2 | 87 | | | | | | | | |
| 6 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 4 | 2 | 4 | 2 | 3 | 3 | 4 | 2 | 1 | 3 | 2 | 3 | 1 | 4 | 4 | 4 | 3 | 4 | 3 | 3 | 1 | 2 | 3 | 77 | | | | | | | | | |
| 7 | 3 | 3 | 2 | 2 | 2 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 4 | 2 | 3 | 3 | 2 | 3 | 3 | 3 | 4 | 3 | 4 | 4 | 3 | 2 | 2 | 4 | 2 | 85 | | | | | | | | | |
| 8 | 2 | 3 | 3 | 3 | 1 | 2 | 2 | 4 | 4 | 4 | 4 | 4 | 2 | 4 | 2 | 3 | 2 | 4 | 4 | 4 | 3 | 3 | 3 | 2 | 3 | 4 | 4 | 3 | 4 | 3 | 93 | | | | | | | | | |
| 9 | 2 | 3 | | 3 | 2 | 2 | 2 | 2 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 2 | 2 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 2 | 82 | | | | | | | | | |
| 10 | 4 | 3 | 3 | 4 | 1 | 4 | 3 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 2 | 3 | 3 | 4 | 3 | 4 | 2 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 4 | 2 | 95 | | | | | | | | | |
| 11 | 2 | 3 | 3 | 2 | 3 | 3 | 1 | 4 | 4 | 3 | 3 | 3 | 2 | 1 | 2 | 2 | 2 | 3 | 2 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 83 | | | | | | | | |
| 12 | 4 | 4 | 3 | 2 | 3 | 3 | 2 | 4 | 4 | 4 | 4 | 3 | 2 | 4 | 2 | 2 | 2 | 4 | 4 | 1 | 3 | 3 | 3 | 2 | 4 | 2 | 1 | 3 | 3 | 4 | 89 | | | | | | | | | |
| 13 | 1 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 4 | 1 | 3 | 3 | 4 | 3 | 4 | 3 | 3 | 4 | 4 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 2 | 82 | | | | | | | | | |
| 14 | 3 | 3 | 2 | 3 | 2 | 3 | 3 | 4 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 2 | 90 | | | | | | | | | |
| 15 | 2 | 3 | 2 | 2 | 1 | 3 | 3 | 3 | 2 | 4 | 2 | 3 | 2 | 3 | 1 | 1 | 4 | 1 | 4 | 1 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 2 | 3 | 2 | 79 | | | | | | | | | |
| 16 | 4 | 3 | 4 | 2 | 2 | 3 | 4 | 4 | 3 | 2 | 4 | 2 | 2 | 4 | 3 | 3 | 3 | 4 | 4 | 2 | 3 | 4 | 3 | 3 | 2 | 3 | 2 | 3 | 3 | 2 | 90 | | | | | | | | | |
| 17 | 3 | 3 | 3 | 3 | 2 | 3 | 2 | 3 | 2 | 2 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 2 | 4 | 4 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 2 | 3 | 3 | 86 | | | | | | | | | |
| 18 | 2 | 3 | 3 | 4 | 2 | 4 | 2 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 2 | 4 | 4 | 4 | 4 | 2 | 4 | 3 | 104 | | | | | | | | | |
| 19 | 4 | 4 | 3 | 3 | 1 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 4 | 3 | 3 | 3 | 4 | 3 | 3 | 4 | 2 | 104 | | | | | | | | | |
| 20 | 2 | 3 | 3 | 3 | 1 | 2 | 2 | 4 | 3 | 2 | 2 | 3 | 3 | 4 | 2 | 3 | 3 | 4 | 3 | 2 | 2 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 82 | | | | | | | | | |
| 21 | 4 | 3 | 3 | 4 | 2 | 4 | 2 | 4 | 4 | 2 | 4 | 4 | 2 | 2 | 1 | 3 | 4 | 1 | 2 | 1 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 2 | 91 | | | | | | | | | |
| 22 | 4 | 3 | 4 | 2 | 4 | 4 | 3 | 4 | 4 | 2 | 1 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 3 | 2 | 4 | 4 | 4 | 3 | 4 | 2 | 104 | | | | | | | | | |
| 23 | 2 | 2 | 3 | 1 | 1 | 2 | 1 | 4 | 2 | 2 | 2 | 3 | 2 | 4 | 2 | 2 | 4 | 1 | 3 | 1 | 3 | 4 | 4 | 2 | 4 | 3 | 2 | 2 | 4 | 2 | 74 | | | | | | | | | |
| 24 | 2 | 3 | 3 | 2 | 2 | 3 | 1 | 4 | 3 | 2 | 2 | 3 | 2 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | 77 | | | | | | | | | |
| 25 | 3 | 2 | 2 | 1 | 4 | 4 | 4 | 4 | 1 | 2 | 1 | 4 | 2 | 1 | 2 | 4 | 3 | 3 | 2 | 3 | 2 | 2 | 3 | 2 | 3 | 1 | 3 | 3 | 3 | 2 | 76 | | | | | | | | | |
| 26 | 2 | 3 | 3 | 4 | 1 | 1 | 3 | 3 | 2 | 2 | 2 | 3 | 3 | 3 | 2 | 1 | 2 | 3 | 3 | 4 | 2 | 2 | 2 | 2 | 2 | 1 | 4 | 2 | 2 | 4 | 3 | 74 | | | | | | | | |
| 27 | 2 | 4 | 3 | 3 | 1 | 3 | 3 | 4 | 4 | 2 | 4 | 4 | 3 | 3 | 2 | 3 | 3 | 4 | 3 | 4 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 93 | | | | | | | | |
| 28 | 2 | 3 | 2 | 2 | 1 | 4 | 4 | 4 | 2 | 2 | 4 | 4 | 4 | 4 | 2 | 3 | 2 | 4 | 2 | 4 | 2 | 3 | 3 | 3 | 2 | 4 | 4 | 3 | 3 | 3 | 89 | | | | | | | | | |
| 29 | 4 | 4 | 4 | 3 | 2 | 4 | 4 | 4 | 4 | 2 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 2 | 4 | 2 | 108 | | | | | | | | | |
| 30 | 3 | 2 | 3 | 3 | 1 | 4 | 3 | 2 | 3 | 2 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 1 | 2 | 2 | 3 | 2 | 2 | 3 | 3 | 2 | 2 | 3 | 81 | | | | | | | | | |
| r hitung | 0,541 | 0,545 | 0,453 | 0,394 | 0,1146 | 0,597 | 0,467 | 0,384 | 0,377 | 0,658 | 0,0401 | 0,137 | 0,492 | 0,482 | 0,477 | 0,2128 | 0,726 | 0,415 | 0,549 | 0,1675 | 0,451 | 0,494 | 0,1519 | 0,33 | 0,37 | 0,509 | 0,47 | 0,0429 | 0,933 | 0,3130 | 0,887 | 0,2195 | 0,539 | 0,476 | 0,439 | 0,1711 | 0,1065 | 0,493 | -0,0344 | 0,57 |
| r tabel | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 | 0,361 |
| Status | Valid | Valid | Valid | Valid | Tidak Valid | Valid | Valid | Valid | Valid | Valid | Tidak Valid | Valid | Valid | Valid | Tidak Valid | Valid | Valid | Tidak Valid | Valid | Tidak Valid | Valid | Valid | Valid | Tidak Valid | Tidak Valid | Tidak Valid | Valid | Valid | Tidak Valid | Valid | Tidak Valid | Valid | Valid | Tidak Valid | Valid | Tidak Valid | Valid | Tidak Valid | Valid | Tidak Valid |

LAMPIRAN 3

HASIL VALIDITAS DAN RELIABILITAS INSTRUMEN

3.1 Validitas Lingkungan Keluarga

| No. Pernyataan | r hitung | r tabel | Kriteria | Keterangan |
|----------------|----------|---------|-------------|------------|
| 1 | 0,711 | 0,361 | Valid | Dipakai |
| 2 | 0,470 | 0,361 | Valid | Dipakai |
| 3 | 0,483 | 0,361 | Valid | Dipakai |
| 4 | 0,612 | 0,361 | Valid | Dipakai |
| 5 | 0,752 | 0,361 | Valid | Dipakai |
| 6 | -0,133 | 0,361 | Tidak Valid | Dibuang |
| 7 | 0,234 | 0,361 | Tidak Valid | Dibuang |
| 8 | 0,795 | 0,361 | Valid | Dipakai |
| 9 | 0,210 | 0,361 | Tidak Valid | Dibuang |
| 10 | 0,695 | 0,361 | Valid | Dipakai |
| 11 | 0,158 | 0,361 | Tidak Valid | Dibuang |
| 12 | 0,095 | 0,361 | Tidak Valid | Dibuang |
| 13 | 0,576 | 0,361 | Valid | Dipakai |
| 14 | 0,007 | 0,361 | Tidak Valid | Dibuang |
| 15 | 0,370 | 0,361 | Valid | Dipakai |
| 16 | 0,372 | 0,361 | Valid | Dipakai |
| 17 | 0,243 | 0,361 | Tidak Valid | Dibuang |
| 18 | 0,572 | 0,361 | Valid | Dipakai |
| 19 | 0,505 | 0,361 | Valid | Dipakai |
| 20 | 0,121 | 0,361 | Tidak Valid | Dibuang |
| 21 | -0,113 | 0,361 | Tidak Valid | Dibuang |
| 22 | 0,409 | 0,361 | Valid | Dipakai |
| 23 | 0,734 | 0,361 | Valid | Dipakai |
| 24 | 0,770 | 0,361 | Valid | Dipakai |
| 25 | 0,015 | 0,361 | Tidak Valid | Dibuang |
| 26 | 0,552 | 0,361 | Valid | Dipakai |
| 27 | 0,422 | 0,361 | Valid | Dipakai |
| 28 | 0,411 | 0,361 | Valid | Dipakai |
| 29 | 0,498 | 0,361 | Valid | Dipakai |
| 30 | 0,364 | 0,361 | Valid | Dipakai |

✚ Menentukan r hitung

(Contoh untuk soal nomor 1)

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

$$r_{xy} = \frac{97.272 - (4).(68)}{\sqrt{\{97.282 - (4)^2\} \{97.10.5306 - (68)^2\}}}$$

$$r_{xy} = \frac{26.384 - 272}{\sqrt{\{27.354 - 16\} \{10.214.682 - 4624\}}}$$

$$r_{xy} = \frac{26.112}{\sqrt{\{27.338\} \{10.210.058\}}}$$

$$r_{xy} = \frac{26.112}{\sqrt{11,68E9}}$$

$$r_{xy} = \frac{26.112}{41.087}$$

$$r_{xy} = 0,635$$

$$r_{tabel} = 0,361$$

Keterangan: $r_{xy} > r_{tabel} = \text{Valid}$

$r_{xy} < r_{tabel} = \text{Tidak Valid}$

Kesimpulan: Karena r_{xy} lebih besar dari r_{tabel} maka hasil uji validitas lingkungan keluarga adalah valid.

3.2 Validitas Fasilitas Belajar di Sekolah

| No. Pernyataan | r hitung | r tabel | Kriteria | Keterangan |
|----------------|----------|---------|-------------|------------|
| 1 | 0,541 | 0,361 | Valid | Dipakai |
| 2 | 0,545 | 0,361 | Valid | Dipakai |
| 3 | 0,453 | 0,361 | Valid | Dipakai |
| 4 | 0,394 | 0,361 | Valid | Dipakai |
| 5 | 0,115 | 0,361 | Tidak Valid | Dibuang |
| 6 | 0,467 | 0,361 | Valid | Dipakai |
| 7 | 0,384 | 0,361 | Valid | Dipakai |
| 8 | 0,377 | 0,361 | Valid | Dipakai |
| 9 | 0,658 | 0,361 | Valid | Dipakai |
| 10 | 0,040 | 0,361 | Tidak Valid | Dibuang |
| 11 | 0,492 | 0,361 | Valid | Dipakai |
| 12 | 0,482 | 0,361 | Valid | Dipakai |
| 13 | 0,477 | 0,361 | Valid | Dipakai |
| 14 | 0,213 | 0,361 | Tidak Valid | Dibuang |
| 15 | 0,415 | 0,361 | Valid | Dipakai |
| 16 | 0,549 | 0,361 | Valid | Dipakai |

| | | | | |
|----|--------|-------|-------------|---------|
| 17 | 0,168 | 0,361 | Tidak Valid | Dibuang |
| 18 | 0,494 | 0,361 | Valid | Dipakai |
| 19 | 0,152 | 0,361 | Tidak Valid | Dibuang |
| 20 | 0,370 | 0,361 | Valid | Dipakai |
| 21 | 0,509 | 0,361 | Valid | Dipakai |
| 22 | 0,467 | 0,361 | Valid | Dipakai |
| 23 | 0,043 | 0,361 | Tidak Valid | Dibuang |
| 24 | 0,313 | 0,361 | Tidak Valid | Dibuang |
| 25 | 0,220 | 0,361 | Tidak Valid | Dibuang |
| 26 | 0,476 | 0,361 | Valid | Dipakai |
| 27 | 0,439 | 0,361 | Valid | Dipakai |
| 28 | 0,171 | 0,361 | Tidak Valid | Dibuang |
| 29 | 0,493 | 0,361 | Valid | Dipakai |
| 30 | -0,034 | 0,361 | Tidak Valid | Dibuang |

✚ Menentukan r hitung

(Contoh untuk soal nomor 1)

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

$$r_{xy} = \frac{97.198 - (3).(66)}{\sqrt{\{97.260 - (3)^2\} \{97.110.198 - (66)^2\}}}$$

$$r_{xy} = \frac{19.206 - 198}{\sqrt{\{25.220 - 9\} \{10.689.206 - 4356\}}}$$

$$r_{xy} = \frac{19.008}{\sqrt{\{25.211\} \{10.684.850\}}}$$

$$r_{xy} = \frac{19.008}{\sqrt{1,696E9}}$$

$$r_{xy} = \frac{19.008}{41.189}$$

$$r_{xy} = 0,461$$

$$r_{tabel} = 0,361$$

Keterangan: $r_{xy} > r_{tabel} = \text{Valid}$

$r_{xy} < r_{tabel} = \text{Tidak Valid}$

Kesimpulan: Karena r_{xy} lebih besar dari r_{tabel} maka hasil uji validitas fasilitas belajar di sekolah adalah valid.

3.3 Reliabilitas Lingkungan Keluarga

Reliability Statistics

| Cronbach's Alpha | N of Items |
|------------------|------------|
| .891 | 20 |

✚ Menentukan r_{ii}

$$r_{ii} = \left[\frac{k}{k-1} \right] \left(1 - \frac{\sum Si^2}{St^2} \right)$$

$$r_{ii} = \left[\frac{20}{20-1} \right] \left(1 - \frac{17,046}{111,126} \right)$$

$$r_{ii} = [1,053](1 - 0,153)$$

$$r_{ii} = [1,053](0,847)$$

$$r_{ii} = 0,891$$

$$r_{\text{tabel}} = 0,361$$

Keterangan : $r_{ii} > r_{\text{tabel}}$ = reliabel

$r_{ii} < r_{\text{tabel}}$ = tidak reliabel

Kesimpulan : Karena r_{ii} lebih besar dari r_{tabel} maka hasil uji reliabilitas lingkungan keluarga adalah reliabel

3.4 Reliabilitas Fasilitas Belajar di Sekolah

Reliability Statistics

| Cronbach's Alpha | N of Items |
|------------------|------------|
| .830 | 20 |

✚ Menentukan r_{ii}

$$r_{ii} = \left[\frac{k}{k-1} \right] \left(1 - \frac{\sum Si^2}{St^2} \right)$$

$$r_{ii} = \left[\frac{20}{20-1} \right] \left(1 - \frac{14,252}{67,513} \right)$$

$$r_{ii} = [1,053](1 - 0,211)$$

$$r_{ii} = [1,053](0,789)$$

$$r_{ii} = 0,830$$

$$r_{\text{tabel}} = 0,361$$

Keterangan : $r_{ii} > r_{\text{tabel}}$ = reliabel

$r_{ii} < r_{\text{tabel}}$ = tidak reliabel

Kesimpulan : Karena r_{ii} lebih besar dari r_{tabel} maka hasil uji reliabilitas fasilitas belajar di sekolah adalah reliabel



LAMPIRAN 4
INSTRUMEN PENELITIAN

4.1 Instrumen Valid Lingkungan Keluarga

Nama :

Kelas :

Hari/Tanggal :

Petunjuk :

1. Tuliskan Nama, Kelas dan Hari Tanggal pada kolom yang telah disediakan
2. Beri tanda centang (√) pada kolom pendapat yang dikehendaki

Keterangan :

SSR : Sangat sering
SR : Sering
KD : Kadang-kadang
TP : Tidak Pernah

| No. | Pernyataan | SSR | SR | KD | TP |
|--------------------------------------|--|-----|----|----|----|
| Cara Orang Tua Mendidik | | | | | |
| 1 | Orang tua saya mengingatkan untuk selalu belajar di rumah | | | | |
| 2 | Orang tua saya akan menanyakan/memeriksa hasil ulangan pada setiap pelajaran saat di rumah | | | | |
| 3 | Orang tua saya memberikan batasan waktu bermain setiap harinya | | | | |
| 4 | Orang tua saya membiasakan saya untuk mengerjakan sesuatu sesuai dengan aturan dan waktu yang telah disepakati bersama | | | | |
| 5 | Orang tua saya selalu menegur ketika saya melakukan kesalahan yang melanggar aturan dalam keluarga | | | | |
| Relasi Antar Anggota Keluarga | | | | | |
| 6 | Orang tua saya memberikan dukungan dan perhatian yang sama antara saya dengan saudara saya yang lain | | | | |

| | | | | | |
|--------------------------------------|---|--|--|--|--|
| 7 | Orang tua dan saudara saya memotivasi saya untuk melanjutkan sekolah ke jenjang yang lebih tinggi | | | | |
| 8 | Keluarga saya memberi perhatian dan kasih sayang yang cukup buat saya | | | | |
| Suasana Rumah | | | | | |
| 9 | Berdasarkan situasi dan kondisi rumah, saya lebih nyaman belajar di tempat lain daripada di rumah saya sendiri | | | | |
| 10 | Anggota keluarga memberikan dukungan kepada saya untuk belajar dengan tenang dan tidak menyalakan TV, radio, musik atau berbincang dengan keras saat saya belajar | | | | |
| Kondisi Ekonomi Keluarga | | | | | |
| 11 | Orang tua saya tepat waktu dalam membayar uang sekolah saya | | | | |
| 12 | Orang tua saya memiliki penghasilan cukup yang akan selalu memenuhi ketika saya meminta untuk kebutuhan belajar / sekolah | | | | |
| 13 | Orang tua saya selalu memprioritaskan pengeluaran untuk pendidikan | | | | |
| Pengertian/Perhatian Keluarga | | | | | |
| 14 | Orang tua saya menanyakan kesulitan-kesulitan yang saya alami dalam belajar | | | | |
| 15 | Orang tua saya memberikan solusi ketika saya mengalami kesulitan | | | | |
| 16 | Orang tua saya sibuk bekerja sehingga kurang memperhatikan pendidikan saya | | | | |
| 17 | Orang tua saya membimbing saya pada saat belajar | | | | |
| 18 | Orang tua senantiasa memperhatikan dan memperingatkan apabila saya tidak belajar | | | | |
| Latar Belakang Kebudayaan | | | | | |
| 19 | Orang tua saya akan memberikan imbalan hadiah, jika saya mendapatkan prestasi yang memuaskan dan sesuai dengan harapan orang tua | | | | |
| 20 | Orang tua saya menekankan kejujuran kepada saya saat mengerjakan soal-soal ujian | | | | |

(Modifikasi dari Fachrunadita, 2021)

4.2 Instrumen Valid Fasilitas Belajar di Sekolah

Nama :

Kelas :

Hari/Tanggal :

Petunjuk :

1. Tuliskan Nama, Kelas dan Hari Tanggal pada kolom yang telah disediakan
2. Beri tanda centang (√) pada kolom pendapat yang dikehendaki

Keterangan :

SSR : Sangat Sering
 SR : Sering
 KD : Kadang-kadang
 TP : Tidak Pernah

| No. | Pernyataan | SSR | SR | KD | TP |
|----------------------------------|--|-----|----|----|----|
| Tempat atau ruang belajar | | | | | |
| 1 | Ruang kelas yang saya tempati selalu dalam kondisi bersih | | | | |
| 2 | Ruang kelas yang saya tempati memiliki ukuran yang luas sehingga mudah dalam aktivitas | | | | |
| 3 | Saya nyaman dalam belajar karena tidak ada bagian ruangan yang rusak dan cukup terawat | | | | |
| 4 | Penerangan ruang kelas kurang baik sehingga terganggu ketika pembelajaran dilaksanakan | | | | |
| 5 | Saya mencoret-coret meja dan kursi yang disediakan oleh sekolah | | | | |
| 6 | Ruang kelas yang saya tempati tidak memiliki kipas dan ventilasi udara yang cukup sehingga terasa panas (menggangu proses belajar) | | | | |
| 7 | Saya tidak nyaman belajar lama-lama di ruang kelas karena letaknya dekat dengan selokan dan pembuangan sampah | | | | |
| Buku-Buku Pegangan | | | | | |
| 8 | Saya memiliki semua buku materi pelajaran | | | | |
| 9 | Semua buku pelajaran saya rawat dengan baik | | | | |

| | | | | | |
|--|---|--|--|--|--|
| 10 | Saya tidak pernah mengerjakan PR yang diberikan di buku mata pelajaran | | | | |
| 11 | Saya tidak pernah meluangkan waktu untuk membaca buku pelajaran ketika tidak memahami materi tersebut | | | | |
| 12 | Jumlah buku pegangan yang disediakan sekolah tidak memadai sesuai dengan jumlah siswa yang ada sehingga ada beberapa siswa yang harus berbagi dengan temannya | | | | |
| Kelengkapan Alat-Alat Praktik | | | | | |
| 13 | Saya senang ketika guru tidak membawa alat praktik | | | | |
| 14 | Alat-alat praktik tidak disediakan khusus di laboratorium untuk digunakan ketika pembelajaran berlangsung | | | | |
| 15 | Sekolah saya tidak pernah melaksanakan praktikum dikarenakan tidak tersedianya laboratorium sekolah | | | | |
| 16 | Guru meletakkan alat praktik di tempat yang tepat sehingga semua siswa dapat melihatnya | | | | |
| Alat Bantu dan Media Pembelajaran | | | | | |
| 17 | Buku paket yang disediakan sekolah membuat siswa semangat membaca buku pelajaran | | | | |
| 18 | Media pembelajaran yang disampaikan guru sangat membosankan | | | | |
| 19 | Guru selalu menggunakan media pembelajaran yang menarik sehingga saya mudah menerima pelajaran | | | | |
| 20 | Penyampaian materi pelajaran yang disediakan guru tidak sesuai dengan media pembelajaran yang diterapkan | | | | |

(Modifikasi dari Nur Riwayati, 2015)

LAMPIRAN 5

DATA HASIL INSTRUMEN PENELITIAN

5.1 Lingkungan Keluarga

| Responden | No. Butir Angket | | | | | | | | | | | | | | | | | | | | Jumlah |
|-----------|------------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | |
| 1 | 4 | 3 | 3 | 4 | 1 | 1 | 2 | 3 | 2 | 2 | 4 | 1 | 1 | 4 | 1 | 1 | 2 | 3 | 3 | 2 | 47 |
| 2 | 4 | 3 | 3 | 4 | 2 | 1 | 1 | 2 | 4 | 2 | 3 | 4 | 4 | 3 | 2 | 4 | 2 | 3 | 3 | 2 | 56 |
| 3 | 4 | 3 | 2 | 2 | 1 | 2 | 3 | 4 | 4 | 3 | 3 | 4 | 4 | 3 | 2 | 4 | 3 | 2 | 4 | 3 | 60 |
| 4 | 4 | 1 | 4 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 3 | 2 | 3 | 2 | 4 | 4 | 4 | 2 | 60 |
| 5 | 2 | 2 | 3 | 3 | 1 | 1 | 2 | 4 | 1 | 3 | 2 | 2 | 4 | 1 | 1 | 3 | 3 | 4 | 2 | 2 | 46 |
| 6 | 3 | 2 | 3 | 2 | 2 | 3 | 2 | 1 | 2 | 3 | 2 | 2 | 3 | 2 | 4 | 4 | 3 | 2 | 2 | 3 | 50 |
| 7 | 4 | 3 | 3 | 3 | 4 | 3 | 3 | 2 | 2 | 4 | 2 | 2 | 4 | 4 | 2 | 3 | 4 | 2 | 3 | 3 | 60 |
| 8 | 3 | 2 | 3 | 4 | 4 | 4 | 2 | 4 | 2 | 4 | 2 | 3 | 4 | 4 | 4 | 4 | 3 | 2 | 4 | 3 | 65 |
| 9 | 2 | 2 | 3 | 3 | 1 | 1 | 4 | 4 | 1 | 4 | 3 | 3 | 2 | 2 | 1 | 4 | 3 | 3 | 2 | 2 | 50 |
| 10 | 1 | 2 | 3 | 3 | 2 | 1 | 4 | 3 | 3 | 2 | 3 | 3 | 4 | 2 | 3 | 4 | 2 | 4 | 2 | 3 | 54 |
| 11 | 4 | 3 | 2 | 4 | 4 | 2 | 3 | 4 | 3 | 3 | 3 | 4 | 3 | 3 | 2 | 2 | 3 | 3 | 4 | 2 | 61 |
| 12 | 4 | 3 | 4 | 3 | 3 | 2 | 3 | 4 | 4 | 2 | 3 | 2 | 3 | 2 | 2 | 3 | 3 | 4 | 4 | 4 | 60 |
| 13 | 2 | 2 | 1 | 2 | 2 | 1 | 1 | 4 | 4 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 2 | 4 | 4 | 4 | 46 |
| 14 | 3 | 4 | 3 | 4 | 3 | 4 | 4 | 3 | 4 | 2 | 4 | 2 | 2 | 4 | 2 | 3 | 4 | 3 | 4 | 4 | 66 |
| 15 | 3 | 2 | 2 | 3 | 1 | 1 | 4 | 4 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 4 | 1 | 1 | 3 | 4 | 48 |
| 16 | 3 | 4 | 3 | 3 | 4 | 3 | 2 | 4 | 2 | 3 | 3 | 2 | 2 | 3 | 4 | 3 | 2 | 3 | 3 | 4 | 60 |
| 17 | 2 | 1 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 4 | 3 | 3 | 4 | 2 | 1 | 2 | 2 | 1 | 2 | 3 | 50 |
| 18 | 4 | 4 | 4 | 3 | 3 | 4 | 2 | 2 | 3 | 4 | 4 | 3 | 3 | 3 | 2 | 4 | 2 | 2 | 2 | 4 | 63 |
| 19 | 4 | 2 | 4 | 2 | 3 | 2 | 1 | 2 | 2 | 4 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 3 | 2 | 4 | 58 |
| 20 | 4 | 2 | 3 | 4 | 3 | 2 | 4 | 3 | 4 | 3 | 4 | 2 | 3 | 2 | 4 | 3 | 4 | 4 | 4 | 3 | 65 |
| 21 | 4 | 2 | 4 | 4 | 3 | 4 | 2 | 3 | 3 | 2 | 3 | 4 | 4 | 2 | 3 | 4 | 4 | 2 | 4 | 3 | 64 |
| 22 | 4 | 3 | 2 | 1 | 1 | 2 | 3 | 4 | 1 | 3 | 2 | 4 | 2 | 3 | 4 | 3 | 4 | 3 | 2 | 4 | 55 |
| 23 | 2 | 2 | 3 | 3 | 1 | 4 | 3 | 2 | 3 | 2 | 1 | 1 | 3 | 2 | 4 | 3 | 3 | 2 | 4 | 3 | 51 |
| 24 | 4 | 3 | 2 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 2 | 4 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 67 |
| 25 | 2 | 3 | 4 | 3 | 3 | 4 | 3 | 2 | 2 | 3 | 4 | 2 | 1 | 3 | 4 | 3 | 1 | 3 | 3 | 1 | 54 |
| 26 | 3 | 2 | 3 | 2 | 4 | 3 | 1 | 3 | 4 | 1 | 3 | 3 | 4 | 2 | 4 | 2 | 3 | 3 | 2 | 3 | 55 |
| 27 | 4 | 3 | 2 | 1 | 4 | 3 | 2 | 3 | 4 | 1 | 3 | 2 | 1 | 2 | 3 | 1 | 3 | 3 | 1 | 4 | 50 |
| 28 | 2 | 1 | 3 | 4 | 4 | 3 | 2 | 1 | 4 | 4 | 2 | 3 | 1 | 2 | 3 | 1 | 4 | 4 | 2 | 2 | 52 |
| 29 | 3 | 2 | 4 | 3 | 3 | 3 | 2 | 1 | 3 | 2 | 1 | 3 | 2 | 4 | 3 | 2 | 1 | 3 | 1 | 2 | 49 |
| 30 | 3 | 1 | 2 | 4 | 1 | 2 | 4 | 3 | 1 | 1 | 3 | 2 | 4 | 3 | 2 | 3 | 1 | 3 | 1 | 4 | 48 |
| 31 | 1 | 4 | 3 | 1 | 4 | 2 | 2 | 3 | 2 | 2 | 1 | 4 | 1 | 4 | 3 | 3 | 1 | 2 | 4 | 4 | 51 |
| 32 | 1 | 4 | 3 | 1 | 4 | 2 | 2 | 3 | 2 | 2 | 1 | 4 | 1 | 4 | 3 | 3 | 1 | 2 | 4 | 4 | 51 |
| 33 | 3 | 2 | 1 | 4 | 4 | 3 | 2 | 1 | 1 | 3 | 4 | 3 | 2 | 3 | 2 | 4 | 4 | 4 | 1 | 1 | 52 |
| 34 | 3 | 2 | 1 | 4 | 4 | 3 | 2 | 1 | 1 | 3 | 4 | 3 | 2 | 3 | 2 | 4 | 4 | 4 | 1 | 1 | 52 |
| 35 | 3 | 2 | 1 | 4 | 4 | 3 | 2 | 1 | 2 | 3 | 3 | 2 | 1 | 3 | 2 | 4 | 4 | 4 | 2 | 3 | 53 |
| 36 | 3 | 2 | 1 | 4 | 4 | 3 | 2 | 1 | 4 | 3 | 3 | 2 | 1 | 3 | 2 | 4 | 4 | 4 | 2 | 3 | 55 |
| 37 | 2 | 3 | 4 | 1 | 1 | 3 | 4 | 2 | 3 | 3 | 4 | 2 | 3 | 1 | 3 | 3 | 1 | 4 | 4 | 1 | 52 |
| 38 | 2 | 3 | 4 | 1 | 1 | 3 | 4 | 2 | 3 | 3 | 4 | 2 | 3 | 1 | 3 | 3 | 1 | 4 | 4 | 4 | 52 |
| 39 | 2 | 4 | 3 | 2 | 4 | 1 | 2 | 3 | 1 | 3 | 4 | 2 | 3 | 2 | 1 | 4 | 3 | 1 | 2 | 4 | 49 |
| 40 | 2 | 1 | 4 | 3 | 3 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 4 | 2 | 3 | 4 | 3 | 2 | 3 | 54 |
| 41 | 4 | 3 | 1 | 3 | 2 | 4 | 2 | 1 | 4 | 4 | 2 | 3 | 3 | 1 | 2 | 3 | 4 | 3 | 3 | 1 | 53 |
| 42 | 4 | 3 | 1 | 3 | 2 | 4 | 2 | 1 | 4 | 4 | 2 | 3 | 3 | 1 | 2 | 3 | 4 | 3 | 3 | 1 | 53 |
| 43 | 1 | 3 | 4 | 1 | 4 | 4 | 3 | 2 | 3 | 2 | 4 | 3 | 1 | 4 | 3 | 4 | 2 | 4 | 3 | 1 | 56 |
| 44 | 2 | 4 | 1 | 2 | 3 | 2 | 1 | 4 | 2 | 3 | 1 | 1 | 2 | 4 | 2 | 3 | 4 | 3 | 2 | 1 | 47 |
| 45 | 3 | 1 | 2 | 4 | 1 | 2 | 4 | 3 | 1 | 1 | 3 | 2 | 4 | 1 | 3 | 3 | 2 | 3 | 1 | 4 | 48 |
| 46 | 1 | 4 | 3 | 2 | 4 | 1 | 2 | 3 | 1 | 3 | 1 | 2 | 2 | 1 | 4 | 2 | 2 | 1 | 4 | 3 | 46 |
| 47 | 1 | 4 | 3 | 2 | 4 | 1 | 2 | 3 | 1 | 3 | 1 | 2 | 2 | 1 | 4 | 2 | 2 | 1 | 4 | 3 | 46 |
| 48 | 4 | 4 | 3 | 2 | 4 | 2 | 2 | 3 | 4 | 3 | 1 | 2 | 4 | 3 | 4 | 2 | 4 | 3 | 4 | 3 | 61 |
| 49 | 3 | 4 | 2 | 4 | 4 | 3 | 2 | 3 | 4 | 3 | 4 | 4 | 2 | 3 | 1 | 1 | 2 | 3 | 4 | 3 | 59 |
| 50 | 3 | 2 | 4 | 3 | 3 | 3 | 2 | 1 | 4 | 3 | 1 | 4 | 2 | 2 | 1 | 1 | 2 | 4 | 3 | 3 | 53 |
| 51 | 3 | 3 | 2 | 3 | 2 | 3 | 4 | 4 | 2 | 3 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 2 | 3 | 3 | 63 |
| 52 | 4 | 2 | 4 | 2 | 4 | 4 | 2 | 4 | 4 | 4 | 2 | 2 | 3 | 2 | 4 | 2 | 4 | 4 | 4 | 4 | 64 |
| 53 | 3 | 2 | 2 | 3 | 1 | 3 | 1 | 4 | 4 | 1 | 2 | 2 | 3 | 3 | 4 | 1 | 1 | 4 | 2 | 3 | 49 |
| 54 | 1 | 2 | 3 | 4 | 1 | 4 | 4 | 2 | 4 | 1 | 2 | 2 | 3 | 3 | 4 | 1 | 4 | 2 | 3 | 2 | 52 |
| 55 | 4 | 3 | 2 | 1 | 4 | 1 | 4 | 2 | 4 | 1 | 2 | 2 | 3 | 3 | 4 | 1 | 2 | 4 | 1 | 4 | 52 |
| 56 | 4 | 2 | 2 | 3 | 3 | 1 | 1 | 1 | 4 | 1 | 4 | 3 | 2 | 1 | 2 | 2 | 4 | 4 | 3 | 3 | 50 |
| 57 | 4 | 4 | 3 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 1 | 4 | 3 | 1 | 4 | 2 | 2 | 1 | 2 | 2 | 46 |
| 58 | 4 | 1 | 1 | 2 | 2 | 3 | 3 | 3 | 1 | 4 | 2 | 1 | 4 | 4 | 3 | 3 | 1 | 4 | 3 | 3 | 52 |
| 59 | 4 | 3 | 4 | 1 | 1 | 2 | 2 | 2 | 3 | 2 | 3 | 2 | 4 | 4 | 3 | 3 | 1 | 1 | 2 | 2 | 49 |
| 60 | 4 | 3 | 4 | 3 | 4 | 3 | 2 | 4 | 4 | 1 | 1 | 2 | 2 | 4 | 3 | 2 | 3 | 4 | 4 | 4 | 57 |
| 61 | 3 | 3 | 2 | 2 | 4 | 1 | 1 | 2 | 2 | 1 | 4 | 2 | 4 | 1 | 1 | 2 | 3 | 3 | 3 | 3 | 45 |
| 62 | 1 | 2 | 4 | 3 | 3 | 4 | 3 | 3 | 3 | 4 | 3 | 2 | 3 | 3 | 4 | 4 | 3 | 3 | 2 | 4 | 61 |
| 63 | 3 | 2 | 4 | 3 | 4 | 2 | 1 | 3 | 3 | 2 | 2 | 3 | 1 | 3 | 2 | 3 | 1 | 3 | 2 | 3 | 50 |
| 64 | 4 | 3 | 3 | 4 | 4 | 3 | 2 | 2 | 2 | 3 | 4 | 2 | 2 | 2 | 3 | 4 | 2 | 2 | 3 | 4 | 58 |
| 65 | 4 | 3 | 2 | 2 | 3 | 3 | 2 | 4 | 4 | 2 | 2 | 2 | 3 | 2 | 2 | 4 | 2 | 2 | 2 | 4 | 54 |
| 66 | 4 | 3 | 3 | 2 | 4 | 3 | 2 | 4 | 2 | 4 | 3 | 4 | 4 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 62 |
| 67 | 4 | 1 | 2 | 3 | 2 | 1 | 4 | 2 | 1 | 4 | 3 | 2 | 3 | 4 | 2 | 1 | 3 | 1 | 4 | 2 | 49 |
| 68 | 4 | 3 | 3 | 2 | 2 | 4 | 3 | 4 | 1 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 4 | 3 | 3 | 2 | 62 |
| 69 | 3 | 2 | 4 | 2 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 3 | 4 | 4 | 2 | 2 | 3 | 64 |
| 70 | 3 | 2 | 3 | 2 | 4 | 3 | 4 | 4 | 1 | 3 | 4 | 4 | 3 | 4 | 3 | 1 | 3 | 4 | 4 | 3 | 62 |
| 71 | 4 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 4 | 3 | 4 | 4 | 3 | 2 | 2 | 4 | 3 | 4 | 4 | 3 | 66 |
| 72 | 4 | 3 | 2 | 2 | 1 | 3 | 4 | 2 | 2 | 2 | 4 | 2 | 2 | 3 | 4 | 1 | 3 | 1 | 1 | 4 | 50 |
| 73 | 3 | 2 | 4 | 4 | 1 | 1 | 3 | 2 | 2 | 2 | 3 | 3 | 4 | 1 | 1 | 2 | 2 | 4 | 3 | 4 | 51 |
| 74 | 3 | 2 | 2 | 2 | 3 | 3 | 4 | 3 | 4 | 2 | 3 | 2 | 3 | 2 | 2 | 4 | 2 | 3 | 3 | 3 | 55 |
| 75 | 3 | 2 | 3 | 2 | 4 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 2 | 3 | 3 | 4 | 2 | 3 | 4 | 4 | 57 |
| 76 | 2 | 2 | 3 | 1 | 2 | 3 | 2 | 4 | 4 | 2 | 2 | 3 | 4 | 2 | 2 | 4 | 2 | 3 | 2 | 4 | 53 |
| 77 | 3 | 3 | 4 | 3 | 3 | 3 | 4 | 4 | 4 | 2 | 4 | 3 | 4 | 3 | 4 | 3 | 3 | 3 | 2 | 4 | 66 |
| 78 | 3 | 4 | 3 | 3 | 4 | 2 | 4 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 4 | 3 | 3 | 4 | 2 | 2 | 60 |
| 79 | 2 | 3 | 4 | 3 | 1 | 2 | 1 | 3 | 4 | 2 | 3 | 2 | 3 | 3 | 1 | 2 | 4 | 3 | 2 | 4 | 52 |
| 80 | 2 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 4 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 4 | 59 |
| 81 | 4 | 3 | 3 | 2 | 2 | 3 | 3 | 4 | 3 | 2 | 3 | 4 | 4 | 3 | 4 | 2 | 4 | 4 | 4 | 4 | 63 |
| 82 | 4 | 3 | 2 | 1 | 3 | 3 | 1 | 4 | 4 | 2 | 4 | 4 | 2 | 4 | 2 | 2 | 2 | 2 | 4 | 4 | 58 |
| 83 | 2 | 2 | 3 | 2 | 4 | 4 | 3 | 4 | 3 | 2 | 3 | 2 | 3 | 2 | 2 | 3 | 2 | 3 | 2 | 3 | 54 |
| 84 | 3 | 3 | 4 | 3 | 4 | 3 | 2 | 3 | 3 | 2 | 2 | 2 | 3 | 1 | 2 | 3 | 2 | 3 | 2 | 3 | 53 |
| 85 | 4 | 1 | 3 | 2 | 1 | 2 | 3 | 4 | 3 | 2 | 2 | 3 | 1 | 4 | 1 | 1 | 3 | 1 | 3 | 4 | 48 |
| 86 | 4 | 1 | 2 | 3 | 2 | 1 | 3 | 4 | 2 | 3 | 4 | 2 | 4 | 2 | 3 | 4 | 2 | 4 | 2 | 1 | 53 |
| 87 | 2 | 1 | 3 | 1 | 2 | 4 | 3 | 4 | 3 | 2 | 4 | 2 | 1 | | | | | | | | |

5.2 Fasilitas Belajar di Sekolah

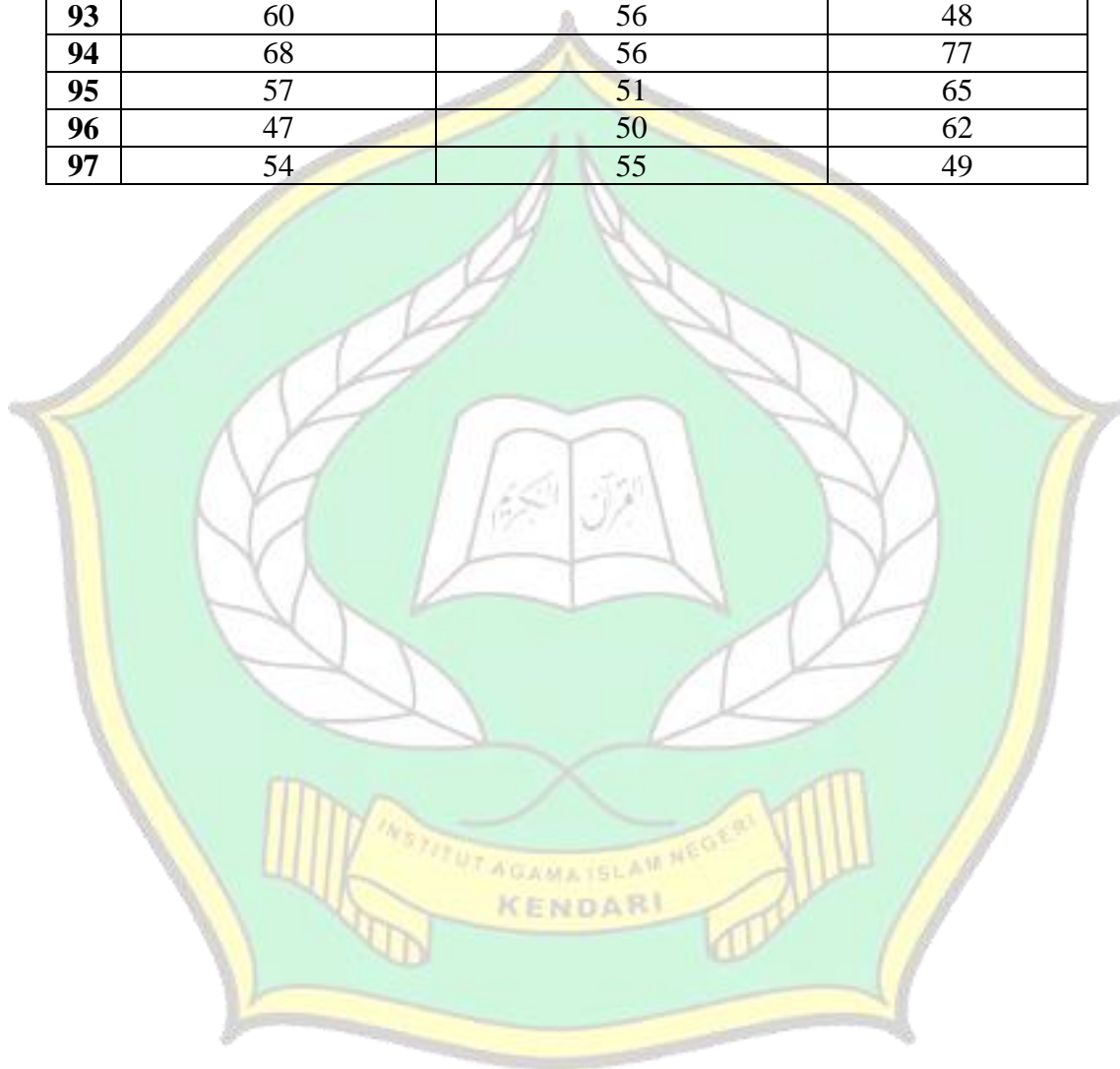
| Responde | No. Butir Angket | | | | | | | | | | | | | | | | | | | | Jumlah |
|----------|------------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | |
| 1 | 3 | 1 | 2 | 4 | 1 | 2 | 4 | 2 | 3 | 4 | 1 | 4 | 3 | 2 | 1 | 3 | 2 | 3 | 2 | 3 | 50 |
| 2 | 3 | 2 | 3 | 1 | 2 | 4 | 2 | 2 | 3 | 4 | 2 | 3 | 2 | 1 | 2 | 4 | 3 | 2 | 2 | 2 | 49 |
| 3 | 3 | 4 | 3 | 1 | 2 | 2 | 3 | 3 | 3 | 2 | 3 | 2 | 3 | 2 | 1 | 3 | 2 | 2 | 2 | 2 | 48 |
| 4 | 4 | 2 | 4 | 2 | 3 | 4 | 3 | 2 | 3 | 4 | 3 | 4 | 3 | 1 | 4 | 2 | 4 | 4 | 2 | 4 | 63 |
| 5 | 3 | 4 | 2 | 2 | 3 | 4 | 3 | 4 | 3 | 2 | 3 | 2 | 2 | 3 | 2 | 2 | 3 | 3 | 4 | 3 | 57 |
| 6 | 4 | 2 | 3 | 4 | 3 | 4 | 3 | 2 | 3 | 3 | 4 | 4 | 4 | 2 | 4 | 2 | 4 | 3 | 2 | 4 | 64 |
| 7 | 3 | 2 | 4 | 1 | 2 | 1 | 3 | 4 | 3 | 4 | 2 | 2 | 4 | 4 | 3 | 3 | 4 | 2 | 2 | 1 | 50 |
| 8 | 4 | 2 | 2 | 4 | 3 | 4 | 3 | 2 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 2 | 4 | 65 |
| 9 | 2 | 2 | 2 | 3 | 2 | 3 | 4 | 2 | 2 | 4 | 2 | 1 | 3 | 2 | 2 | 4 | 2 | 3 | 2 | 4 | 51 |
| 10 | 4 | 2 | 3 | 2 | 4 | 2 | 3 | 4 | 3 | 3 | 4 | 2 | 4 | 2 | 3 | 2 | 3 | 3 | 4 | 3 | 60 |
| 11 | 2 | 3 | 2 | 1 | 1 | 2 | 4 | 2 | 4 | 4 | 4 | 1 | 4 | 1 | 2 | 2 | 4 | 4 | 3 | 2 | 52 |
| 12 | 4 | 3 | 1 | 4 | 2 | 2 | 3 | 2 | 2 | 3 | 3 | 4 | 2 | 1 | 1 | 4 | 2 | 2 | 3 | 2 | 50 |
| 13 | 4 | 4 | 1 | 4 | 2 | 2 | 3 | 2 | 4 | 2 | 3 | 4 | 4 | 3 | 2 | 4 | 3 | 3 | 2 | 2 | 58 |
| 14 | 4 | 3 | 4 | 4 | 3 | 4 | 2 | 4 | 2 | 3 | 3 | 4 | 4 | 2 | 2 | 4 | 3 | 3 | 4 | 4 | 66 |
| 15 | 3 | 3 | 2 | 4 | 2 | 1 | 3 | 1 | 2 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 4 | 1 | 1 | 4 | 50 |
| 16 | 2 | 4 | 3 | 3 | 1 | 4 | 2 | 2 | 2 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 1 | 4 | 3 | 1 | 55 |
| 17 | 4 | 1 | 2 | 2 | 1 | 2 | 3 | 2 | 2 | 4 | 3 | 2 | 2 | 4 | 1 | 2 | 4 | 2 | 4 | 3 | 50 |
| 18 | 4 | 2 | 4 | 3 | 2 | 3 | 4 | 4 | 2 | 2 | 4 | 2 | 2 | 3 | 4 | 4 | 4 | 2 | 2 | 4 | 61 |
| 19 | 3 | 2 | 3 | 4 | 2 | 3 | 4 | 3 | 2 | 2 | 3 | 2 | 2 | 3 | 4 | 4 | 4 | 2 | 3 | 4 | 59 |
| 20 | 3 | 2 | 1 | 1 | 2 | 3 | 4 | 1 | 2 | 2 | 1 | 2 | 2 | 3 | 4 | 4 | 4 | 2 | 2 | 4 | 49 |
| 21 | 4 | 3 | 2 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 1 | 1 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 2 | 66 |
| 22 | 3 | 4 | 3 | 4 | 4 | 3 | 1 | 4 | 4 | 4 | 4 | 3 | 4 | 2 | 4 | 3 | 4 | 4 | 4 | 2 | 68 |
| 23 | 2 | 3 | 2 | 3 | 4 | 3 | 4 | 3 | 3 | 2 | 2 | 3 | 4 | 3 | 3 | 2 | 1 | 3 | 2 | 3 | 55 |
| 24 | 2 | 2 | 2 | 2 | 3 | 2 | 1 | 1 | 4 | 3 | 3 | 3 | 3 | 4 | 2 | 2 | 2 | 3 | 3 | 4 | 51 |
| 25 | 4 | 1 | 4 | 3 | 4 | 2 | 1 | 3 | 3 | 2 | 2 | 1 | 4 | 4 | 3 | 4 | 4 | 1 | 4 | 1 | 55 |
| 26 | 2 | 3 | 2 | 2 | 3 | 2 | 3 | 4 | 3 | 3 | 3 | 2 | 3 | 2 | 3 | 4 | 2 | 3 | 2 | 3 | 54 |
| 27 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 1 | 4 | 48 |
| 28 | 4 | 2 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 2 | 3 | 2 | 4 | 2 | 4 | 3 | 4 | 3 | 3 | 4 | 66 |
| 29 | 2 | 1 | 2 | 2 | 1 | 4 | 1 | 4 | 4 | 4 | 3 | 4 | 4 | 1 | 4 | 3 | 4 | 4 | 4 | 4 | 60 |
| 30 | 2 | 3 | 2 | 3 | 3 | 4 | 4 | 3 | 4 | 4 | 3 | 2 | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | 59 |
| 31 | 4 | 3 | 2 | 3 | 4 | 2 | 1 | 4 | 3 | 3 | 4 | 1 | 2 | 1 | 3 | 1 | 3 | 4 | 2 | 4 | 54 |
| 32 | 1 | 2 | 3 | 4 | 2 | 1 | 3 | 4 | 1 | 3 | 2 | 1 | 4 | 2 | 1 | 2 | 1 | 3 | 3 | 4 | 47 |
| 33 | 4 | 3 | 2 | 2 | 4 | 1 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 3 | 2 | 1 | 4 | 1 | 2 | 4 | 51 |
| 34 | 3 | 2 | 1 | 2 | 1 | 2 | 3 | 4 | 3 | 3 | 4 | 2 | 3 | 2 | 4 | 3 | 2 | 4 | 1 | 4 | 53 |
| 35 | 2 | 2 | 2 | 2 | 4 | 3 | 3 | 4 | 2 | 4 | 4 | 3 | 4 | 3 | 4 | 1 | 2 | 3 | 2 | 4 | 59 |
| 36 | 2 | 2 | 2 | 3 | 4 | 1 | 1 | 4 | 4 | 1 | 1 | 1 | 4 | 1 | 1 | 4 | 4 | 2 | 4 | 2 | 48 |
| 37 | 2 | 2 | 3 | 3 | 3 | 2 | 4 | 3 | 3 | 3 | 3 | 2 | 3 | 2 | 3 | 3 | 2 | 3 | 2 | 3 | 54 |
| 38 | 3 | 1 | 3 | 2 | 4 | 4 | 3 | 4 | 4 | 2 | 3 | 2 | 3 | 3 | 3 | 2 | 3 | 4 | 3 | 3 | 59 |
| 39 | 3 | 1 | 2 | 1 | 3 | 4 | 4 | 2 | 4 | 4 | 4 | 2 | 4 | 4 | 4 | 3 | 3 | 4 | 4 | 3 | 63 |
| 40 | 3 | 1 | 2 | 1 | 3 | 4 | 4 | 2 | 4 | 4 | 4 | 2 | 4 | 4 | 4 | 3 | 3 | 4 | 3 | 3 | 62 |
| 41 | 2 | 3 | 2 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 4 | 3 | 2 | 4 | 2 | 66 |
| 42 | 2 | 2 | 1 | 2 | 4 | 3 | 3 | 2 | 3 | 4 | 1 | 3 | 4 | 3 | 4 | 2 | 3 | 4 | 2 | 4 | 56 |
| 43 | 4 | 3 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 2 | 4 | 1 | 1 | 4 | 2 | 3 | 2 | 2 | 61 |
| 44 | 2 | 3 | 2 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 2 | 3 | 4 | 3 | 4 | 69 |
| 45 | 3 | 2 | 3 | 1 | 1 | 1 | 4 | 1 | 1 | 3 | 3 | 2 | 3 | 3 | 4 | 1 | 3 | 3 | 3 | 2 | 47 |
| 46 | 3 | 1 | 4 | 4 | 2 | 4 | 3 | 1 | 2 | 1 | 3 | 2 | 4 | 1 | 3 | 1 | 3 | 4 | 1 | 1 | 48 |
| 47 | 3 | 2 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 2 | 1 | 2 | 1 | 1 | 2 | 3 | 56 |
| 48 | 2 | 2 | 3 | 2 | 1 | 4 | 4 | 1 | 1 | 2 | 2 | 3 | 3 | 2 | 3 | 4 | 1 | 3 | 2 | 2 | 47 |
| 49 | 2 | 3 | 2 | 4 | 4 | 1 | 2 | 2 | 1 | 3 | 3 | 2 | 3 | 4 | 4 | 3 | 2 | 2 | 4 | 2 | 53 |
| 50 | 2 | 2 | 3 | 4 | 4 | 1 | 3 | 1 | 4 | 3 | 2 | 3 | 3 | 4 | 4 | 2 | 4 | 2 | 2 | 3 | 56 |
| 51 | 4 | 2 | 2 | 1 | 3 | 2 | 3 | 2 | 1 | 3 | 3 | 1 | 3 | 1 | 4 | 2 | 2 | 2 | 2 | 4 | 47 |
| 52 | 4 | 2 | 2 | 4 | 2 | 2 | 3 | 2 | 2 | 3 | 3 | 2 | 1 | 3 | 1 | 2 | 2 | 3 | 3 | 4 | 50 |
| 53 | 4 | 2 | 2 | 3 | 2 | 2 | 3 | 4 | 2 | 3 | 3 | 4 | 2 | 3 | 3 | 2 | 3 | 2 | 2 | 4 | 55 |
| 54 | 2 | 2 | 2 | 4 | 3 | 3 | 3 | 4 | 4 | 3 | 2 | 3 | 3 | 4 | 4 | 2 | 3 | 3 | 3 | 3 | 60 |
| 55 | 3 | 2 | 2 | 2 | 4 | 1 | 2 | 2 | 3 | 2 | 1 | 2 | 2 | 3 | 3 | 4 | 2 | 2 | 2 | 1 | 45 |
| 56 | 2 | 2 | 2 | 4 | 3 | 3 | 4 | 4 | 4 | 3 | 4 | 1 | 3 | 3 | 1 | 4 | 3 | 3 | 3 | 3 | 59 |
| 57 | 3 | 3 | 2 | 3 | 1 | 1 | 4 | 3 | 2 | 3 | 2 | 1 | 2 | 4 | 3 | 2 | 3 | 3 | 1 | 4 | 50 |
| 58 | 1 | 1 | 4 | 1 | 3 | 2 | 2 | 4 | 3 | 3 | 4 | 4 | 4 | 3 | 2 | 4 | 3 | 3 | 2 | 2 | 55 |
| 59 | 2 | 2 | 3 | 2 | 4 | 4 | 1 | 4 | 4 | 2 | 3 | 4 | 4 | 3 | 2 | 4 | 3 | 3 | 2 | 2 | 58 |
| 60 | 3 | 3 | 2 | 3 | 1 | 1 | 4 | 1 | 4 | 2 | 3 | 4 | 4 | 3 | 2 | 4 | 3 | 3 | 2 | 2 | 54 |
| 61 | 4 | 3 | 2 | 4 | 3 | 2 | 1 | 3 | 2 | 4 | 3 | 1 | 2 | 3 | 4 | 2 | 3 | 1 | 3 | 3 | 53 |
| 62 | 4 | 3 | 3 | 1 | 3 | 4 | 4 | 2 | 3 | 2 | 1 | 2 | 2 | 1 | 3 | 1 | 2 | 4 | 4 | 2 | 51 |
| 63 | 2 | 2 | 4 | 2 | 4 | 2 | 4 | 1 | 3 | 3 | 1 | 2 | 3 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 44 |
| 64 | 1 | 3 | 2 | 1 | 1 | 2 | 2 | 1 | 2 | 3 | 4 | 1 | 1 | 3 | 2 | 3 | 4 | 4 | 4 | 4 | 48 |
| 65 | 3 | 2 | 3 | 4 | 4 | 2 | 1 | 2 | 2 | 2 | 3 | 3 | 3 | 2 | 2 | 4 | 4 | 4 | 1 | 2 | 53 |
| 66 | 3 | 2 | 2 | 3 | 2 | 2 | 1 | 1 | 1 | 3 | 2 | 4 | 4 | 2 | 4 | 4 | 2 | 3 | 2 | 2 | 49 |
| 67 | 4 | 4 | 4 | 4 | 4 | 4 | 2 | 3 | 3 | 3 | 3 | 3 | 1 | 2 | 3 | 1 | 2 | 2 | 3 | 1 | 56 |
| 68 | 3 | 2 | 4 | 4 | 4 | 1 | 3 | 3 | 2 | 1 | 2 | 1 | 4 | 3 | 2 | 4 | 1 | 2 | 3 | 4 | 53 |
| 69 | 3 | 2 | 2 | 2 | 1 | 4 | 4 | 4 | 4 | 1 | 4 | 4 | 3 | 2 | 4 | 4 | 1 | 1 | 2 | 4 | 56 |
| 70 | 4 | 1 | 1 | 1 | 2 | 3 | 2 | 2 | 2 | 4 | 4 | 3 | 2 | 3 | 3 | 3 | 1 | 1 | 2 | 2 | 46 |
| 71 | 2 | 4 | 3 | 4 | 2 | 3 | 4 | 3 | 4 | 1 | 4 | 3 | 4 | 2 | 4 | 3 | 2 | 4 | 2 | 3 | 61 |
| 72 | 1 | 3 | 2 | 1 | 1 | 3 | 2 | 4 | 3 | 3 | 4 | 2 | 4 | 1 | 3 | 3 | 3 | 3 | 1 | 1 | 48 |
| 73 | 4 | 3 | 2 | 4 | 1 | 2 | 3 | 3 | 2 | 4 | 1 | 4 | 1 | 2 | 2 | 4 | 3 | 3 | 1 | 1 | 50 |
| 74 | 4 | 3 | 2 | 4 | 1 | 2 | 3 | 3 | 2 | 4 | 1 | 4 | 1 | 2 | 2 | 4 | 3 | 3 | 1 | 1 | 50 |
| 75 | 4 | 3 | 2 | 4 | 1 | 2 | 3 | 3 | 2 | 4 | 1 | 4 | 1 | 2 | 2 | 1 | 3 | 3 | 1 | 1 | 47 |
| 76 | 4 | 3 | 1 | 3 | 3 | 1 | 2 | 3 | 1 | 3 | 4 | 2 | 4 | 2 | 2 | 2 | 2 | 3 | 3 | 2 | 50 |
| 77 | 1 | 1 | 2 | 3 | 4 | 2 | 3 | 2 | 2 | 2 | 2 | 4 | 4 | 2 | 1 | 3 | 3 | 3 | 3 | 4 | 51 |
| 78 | 4 | 3 | 2 | 3 | 4 | 2 | 1 | 4 | 3 | 3 | 4 | 2 | 2 | 1 | 3 | 1 | 3 | 1 | 2 | 4 | 52 |
| 79 | 2 | 3 | 4 | 4 | 2 | 4 | 1 | 1 | 3 | 3 | 1 | 3 | 4 | 2 | 1 | 2 | 1 | 3 | 1 | 3 | 48 |
| 80 | 2 | 3 | 4 | 4 | 2 | 4 | 1 | 1 | 3 | 3 | 1 | 3 | 4 | 2 | 1 | 2 | 1 | 2 | 4 | 3 | 50 |
| 81 | 4 | 3 | 2 | 3 | 3 | 2 | 3 | 2 | 4 | 2 | 3 | 1 | 2 | 3 | 4 | 3 | 3 | 4 | 2 | 4 | 57 |
| 82 | 4 | 3 | 2 | 4 | 1 | 2 | 3 | 3 | 2 | 4 | 1 | 2 | 3 | 1 | 4 | 2 | 4 | 3 | 3 | 4 | 55 |
| 83 | 2 | 4 | 3 | 4 | 1 | 3 | 2 | 4 | 3 | 3 | 4 | 1 | 3 | 2 | 4 | 2 | 4 | 4 | 3 | 3 | 59 |
| 84 | 2 | 4 | 3 | 4 | 1 | 3 | 2 | 4 | 3 | 3 | 4 | 1 | 3 | 2 | 4 | 2 | 4 | 4 | 3 | 3 | 59 |
| 85 | 3 | 2 | 1 | 1 | 1 | 2 | 3 | 3 | 2 | 4 | 1 | 2 | 2 | 3 | 4 | 4 | 3 | 3 | 1 | 1 | 46 |
| 86 | 3 | 2 | 1 | 2 | 2 | 2 | 3 | 3 | 2 | 4 | 3 | 2 | 2 | 3 | 4 | 4 | 3 | 3 | 2 | 3 | 53 |
| 87 | 1 | 2 | 3 | 1 | 1 | 2 | 3 | 1 | 2 | 2 | 1 | 2 | 4 | 4 | 3 | 2 | 3 | 2 | 4 | 1 | 44 |
| 88 | 4 | 2 | | | | | | | | | | | | | | | | | | | |

LAMPIRAN 6
DATA PENELITIAN

| No. | Lingkungan Keluarga (X ₁) | Fasilitas Belajar di Sekolah (X ₂) | Hasil Belajar IPA (Y) |
|-----|---------------------------------------|--|-----------------------|
| 1 | 47 | 50 | 64 |
| 2 | 56 | 49 | 80 |
| 3 | 60 | 48 | 68 |
| 4 | 60 | 63 | 75 |
| 5 | 46 | 57 | 60 |
| 6 | 50 | 64 | 82 |
| 7 | 60 | 50 | 72 |
| 8 | 65 | 65 | 79 |
| 9 | 50 | 51 | 60 |
| 10 | 54 | 60 | 76 |
| 11 | 61 | 52 | 53 |
| 12 | 60 | 50 | 75 |
| 13 | 46 | 58 | 65 |
| 14 | 66 | 66 | 84 |
| 15 | 48 | 50 | 71 |
| 16 | 60 | 55 | 80 |
| 17 | 50 | 50 | 57 |
| 18 | 63 | 61 | 75 |
| 19 | 58 | 59 | 70 |
| 20 | 65 | 49 | 83 |
| 21 | 64 | 66 | 63 |
| 22 | 55 | 68 | 80 |
| 23 | 51 | 55 | 60 |
| 24 | 67 | 51 | 85 |
| 25 | 54 | 55 | 60 |
| 26 | 55 | 54 | 75 |
| 27 | 50 | 48 | 65 |
| 28 | 52 | 66 | 86 |
| 29 | 54 | 60 | 76 |
| 30 | 48 | 59 | 73 |
| 31 | 51 | 54 | 80 |
| 32 | 51 | 47 | 50 |
| 33 | 52 | 51 | 75 |
| 34 | 52 | 53 | 61 |
| 35 | 53 | 59 | 82 |
| 36 | 55 | 48 | 50 |
| 37 | 52 | 54 | 84 |
| 38 | 52 | 59 | 51 |
| 39 | 49 | 63 | 81 |
| 40 | 54 | 62 | 70 |

| | | | |
|----|----|----|----|
| 41 | 53 | 66 | 75 |
| 42 | 53 | 56 | 65 |
| 43 | 56 | 61 | 83 |
| 44 | 47 | 69 | 67 |
| 45 | 48 | 47 | 80 |
| 46 | 46 | 48 | 70 |
| 47 | 46 | 56 | 79 |
| 48 | 61 | 47 | 63 |
| 49 | 59 | 53 | 75 |
| 50 | 53 | 56 | 72 |
| 51 | 63 | 47 | 81 |
| 52 | 64 | 50 | 70 |
| 53 | 49 | 55 | 82 |
| 54 | 52 | 60 | 64 |
| 55 | 52 | 45 | 74 |
| 56 | 50 | 59 | 83 |
| 57 | 46 | 50 | 55 |
| 58 | 52 | 55 | 76 |
| 59 | 49 | 58 | 66 |
| 60 | 57 | 54 | 87 |
| 61 | 45 | 53 | 69 |
| 62 | 61 | 51 | 76 |
| 63 | 50 | 44 | 49 |
| 64 | 58 | 48 | 80 |
| 65 | 54 | 53 | 68 |
| 66 | 62 | 49 | 84 |
| 67 | 49 | 56 | 71 |
| 68 | 62 | 53 | 77 |
| 69 | 64 | 56 | 74 |
| 70 | 62 | 46 | 79 |
| 71 | 66 | 61 | 68 |
| 72 | 50 | 48 | 85 |
| 73 | 51 | 50 | 62 |
| 74 | 55 | 50 | 83 |
| 75 | 57 | 47 | 71 |
| 76 | 53 | 50 | 77 |
| 77 | 66 | 51 | 64 |
| 78 | 60 | 52 | 78 |
| 79 | 52 | 48 | 63 |
| 80 | 59 | 50 | 82 |
| 81 | 63 | 57 | 57 |
| 82 | 58 | 55 | 75 |
| 83 | 54 | 59 | 61 |
| 84 | 53 | 59 | 80 |

| | | | |
|-----------|----|----|----|
| 85 | 48 | 46 | 60 |
| 86 | 53 | 53 | 79 |
| 87 | 53 | 44 | 70 |
| 88 | 65 | 54 | 84 |
| 89 | 67 | 53 | 65 |
| 90 | 59 | 56 | 76 |
| 91 | 56 | 44 | 50 |
| 92 | 61 | 52 | 83 |
| 93 | 60 | 56 | 48 |
| 94 | 68 | 56 | 77 |
| 95 | 57 | 51 | 65 |
| 96 | 47 | 50 | 62 |
| 97 | 54 | 55 | 49 |



LAMPIRAN 7
ANALISIS DESKRIPTIF

8.1 Lingkungan Keluarga

| No. | Lingkungan Keluarga (X_1) | | | | |
|-----|-------------------------------|----|----|---------------|-------------|
| 1 | 47 | 39 | 49 | 78 | 60 |
| 2 | 56 | 40 | 54 | 79 | 52 |
| 3 | 60 | 41 | 53 | 80 | 59 |
| 4 | 60 | 42 | 53 | 81 | 63 |
| 5 | 46 | 43 | 56 | 82 | 58 |
| 6 | 50 | 44 | 47 | 83 | 54 |
| 7 | 60 | 45 | 48 | 84 | 53 |
| 8 | 65 | 46 | 46 | 85 | 48 |
| 9 | 50 | 47 | 46 | 86 | 53 |
| 10 | 54 | 48 | 61 | 87 | 53 |
| 11 | 61 | 49 | 59 | 88 | 65 |
| 12 | 60 | 50 | 53 | 89 | 67 |
| 13 | 46 | 51 | 63 | 90 | 59 |
| 14 | 66 | 52 | 64 | 91 | 56 |
| 15 | 48 | 53 | 49 | 92 | 61 |
| 16 | 60 | 54 | 52 | 93 | 60 |
| 17 | 50 | 55 | 52 | 94 | 68 |
| 18 | 63 | 56 | 50 | 95 | 57 |
| 19 | 58 | 57 | 46 | 96 | 47 |
| 20 | 65 | 58 | 52 | 97 | 54 |
| 21 | 64 | 59 | 49 | Jumlah | 5364 |
| 22 | 55 | 60 | 57 | | |
| 23 | 51 | 61 | 45 | | |
| 24 | 67 | 62 | 61 | | |
| 25 | 54 | 63 | 50 | | |
| 26 | 55 | 64 | 58 | | |
| 27 | 50 | 65 | 54 | | |
| 28 | 52 | 66 | 62 | | |
| 29 | 54 | 67 | 49 | | |
| 30 | 48 | 68 | 62 | | |
| 31 | 51 | 69 | 64 | | |
| 32 | 51 | 70 | 62 | | |
| 33 | 52 | 71 | 66 | | |
| 34 | 52 | 72 | 50 | | |
| 35 | 53 | 73 | 51 | | |
| 36 | 55 | 74 | 55 | | |
| 37 | 52 | 75 | 57 | | |
| 38 | 52 | 76 | 53 | | |
| | | 77 | 66 | | |

- a. Menghitung rata-rata (*mean*)

$$\bar{x} = \frac{\sum_{i=1}^n X_i}{n}$$

$$\bar{x} = \frac{5364}{97}$$

$$\bar{x} = 55,30$$

- b. Menghitung Varians dan Standar Deviasi

Penentuan varians dan standard deviasi

| No. | LK (X_i) | \bar{x} | $X_i - \bar{x}$ | $(X_i - \bar{x})^2$ |
|-----|-----------------|-----------|-----------------|---------------------|
| 1 | 47 | 55,30 | -8,30 | 68,87 |
| 2 | 56 | 55,30 | 0,70 | 0,49 |
| 3 | 60 | 55,30 | 4,70 | 22,10 |
| 4 | 60 | 55,30 | 4,70 | 22,10 |
| 5 | 46 | 55,30 | -9,30 | 86,47 |
| 6 | 50 | 55,30 | -5,30 | 28,08 |
| 7 | 60 | 55,30 | 4,70 | 22,10 |
| 8 | 65 | 55,30 | 9,70 | 94,11 |
| 9 | 50 | 55,30 | -5,30 | 28,08 |
| 10 | 54 | 55,30 | -1,30 | 1,69 |
| 11 | 61 | 55,30 | 5,70 | 32,50 |
| 12 | 60 | 55,30 | 4,70 | 22,10 |
| 13 | 46 | 55,30 | -9,30 | 86,47 |
| 14 | 66 | 55,30 | 10,70 | 114,51 |
| 15 | 48 | 55,30 | -7,30 | 53,27 |
| 16 | 60 | 55,30 | 4,70 | 22,10 |
| 17 | 50 | 55,30 | -5,30 | 28,08 |
| 18 | 63 | 55,30 | 7,70 | 59,31 |
| 19 | 58 | 55,30 | 2,70 | 7,30 |
| 20 | 65 | 55,30 | 9,70 | 94,11 |
| 21 | 64 | 55,30 | 8,70 | 75,71 |
| 22 | 55 | 55,30 | -0,30 | 0,09 |
| 23 | 51 | 55,30 | -4,30 | 18,48 |
| 24 | 67 | 55,30 | 11,70 | 136,91 |
| 25 | 54 | 55,30 | -1,30 | 1,69 |
| 26 | 55 | 55,30 | -0,30 | 0,09 |
| 27 | 50 | 55,30 | -5,30 | 28,08 |
| 28 | 52 | 55,30 | -3,30 | 10,88 |
| 29 | 54 | 55,30 | -1,30 | 1,69 |
| 30 | 48 | 55,30 | -7,30 | 53,27 |
| 31 | 51 | 55,30 | -4,30 | 18,48 |
| 32 | 51 | 55,30 | -4,30 | 18,48 |

| | | | | |
|----|----|-------|--------|--------|
| 33 | 52 | 55,30 | -3,30 | 10,88 |
| 34 | 52 | 55,30 | -3,30 | 10,88 |
| 35 | 53 | 55,30 | -2,30 | 5,29 |
| 36 | 55 | 55,30 | -0,30 | 0,09 |
| 37 | 52 | 55,30 | -3,30 | 10,88 |
| 38 | 52 | 55,30 | -3,30 | 10,88 |
| 39 | 49 | 55,30 | -6,30 | 39,68 |
| 40 | 54 | 55,30 | -1,30 | 1,69 |
| 41 | 53 | 55,30 | -2,30 | 5,29 |
| 42 | 53 | 55,30 | -2,30 | 5,29 |
| 43 | 56 | 55,30 | 0,70 | 0,49 |
| 44 | 47 | 55,30 | -8,30 | 68,87 |
| 45 | 48 | 55,30 | -7,30 | 53,27 |
| 46 | 46 | 55,30 | -9,30 | 86,47 |
| 47 | 46 | 55,30 | -9,30 | 86,47 |
| 48 | 61 | 55,30 | 5,70 | 32,50 |
| 49 | 59 | 55,30 | 3,70 | 13,70 |
| 50 | 53 | 55,30 | -2,30 | 5,29 |
| 51 | 63 | 55,30 | 7,70 | 59,31 |
| 52 | 64 | 55,30 | 8,70 | 75,71 |
| 53 | 49 | 55,30 | -6,30 | 39,68 |
| 54 | 52 | 55,30 | -3,30 | 10,88 |
| 55 | 52 | 55,30 | -3,30 | 10,88 |
| 56 | 50 | 55,30 | -5,30 | 28,08 |
| 57 | 46 | 55,30 | -9,30 | 86,47 |
| 58 | 52 | 55,30 | -3,30 | 10,88 |
| 59 | 49 | 55,30 | -6,30 | 39,68 |
| 60 | 57 | 55,30 | 1,70 | 2,89 |
| 61 | 45 | 55,30 | -10,30 | 106,07 |
| 62 | 61 | 55,30 | 5,70 | 32,50 |
| 63 | 50 | 55,30 | -5,30 | 28,08 |
| 64 | 58 | 55,30 | 2,70 | 7,30 |
| 65 | 54 | 55,30 | -1,30 | 1,69 |
| 66 | 62 | 55,30 | 6,70 | 44,90 |
| 67 | 49 | 55,30 | -6,30 | 39,68 |
| 68 | 62 | 55,30 | 6,70 | 44,90 |
| 69 | 64 | 55,30 | 8,70 | 75,71 |
| 70 | 62 | 55,30 | 6,70 | 44,90 |
| 71 | 66 | 55,30 | 10,70 | 114,51 |
| 72 | 50 | 55,30 | -5,30 | 28,08 |
| 73 | 51 | 55,30 | -4,30 | 18,48 |
| 74 | 55 | 55,30 | -0,30 | 0,09 |
| 75 | 57 | 55,30 | 1,70 | 2,89 |
| 76 | 53 | 55,30 | -2,30 | 5,29 |

| | | | | |
|---------------|-------------|-------|-------|----------------|
| 77 | 66 | 55,30 | 10,70 | 114,51 |
| 78 | 60 | 55,30 | 4,70 | 22,10 |
| 79 | 52 | 55,30 | -3,30 | 10,88 |
| 80 | 59 | 55,30 | 3,70 | 13,70 |
| 81 | 63 | 55,30 | 7,70 | 59,31 |
| 82 | 58 | 55,30 | 2,70 | 7,30 |
| 83 | 54 | 55,30 | -1,30 | 1,69 |
| 84 | 53 | 55,30 | -2,30 | 5,29 |
| 85 | 48 | 55,30 | -7,30 | 53,27 |
| 86 | 53 | 55,30 | -2,30 | 5,29 |
| 87 | 53 | 55,30 | -2,30 | 5,29 |
| 88 | 65 | 55,30 | 9,70 | 94,11 |
| 89 | 67 | 55,30 | 11,70 | 136,91 |
| 90 | 59 | 55,30 | 3,70 | 13,70 |
| 91 | 56 | 55,30 | 0,70 | 0,49 |
| 92 | 61 | 55,30 | 5,70 | 32,50 |
| 93 | 60 | 55,30 | 4,70 | 22,10 |
| 94 | 68 | 55,30 | 12,70 | 161,32 |
| 95 | 57 | 55,30 | 1,70 | 2,89 |
| 96 | 47 | 55,30 | -8,30 | 68,87 |
| 97 | 54 | 55,30 | -1,30 | 1,69 |
| Jumlah | 5364 | | | 3498,33 |

- Menghitung varians sampel menggunakan rumus :

$$S^2 = \frac{n \sum_{i=1}^n (x_i - \bar{x})^2}{n - 1}$$

$$S^2 = \frac{3498,33}{97 - 1}$$

$$S^2 = \frac{3498,33}{96}$$

$$S^2 = 36,44$$

- Menghitung standar deviasi menggunakan rumus :

$$S = \sqrt{\frac{\sum_{i=1}^n (x_i - \bar{x})^2}{n - 1}}$$

$$S = \sqrt{\frac{3498,33}{97 - 1}}$$

$$S = \sqrt{\frac{3498,33}{96}}$$

$$S = \sqrt{36,44}$$

$$S = 6,037$$

c. Menghitung rentang data

$$\begin{aligned}\text{Rentang} &= \text{Data terbesar} - \text{Data terkecil} \\ &= 68 - 45 \\ &= 23\end{aligned}$$

d. Menghitung jumlah kelas interval

$$\begin{aligned}\text{Kelas} &= 1 + 3,3 \text{ Log } N \\ &= 1 + 3,3 \text{ Log } 97 \\ &= 1 + 6,55 = 7,55 = 8\end{aligned}$$

e. Menghitung panjang kelas

$$\begin{aligned}\text{Panjang kelas} &= \text{Rentang} / \text{Banyak kelas} \\ &= 23 / 8 = 2,87 = 3\end{aligned}$$

f. Menghitung persentase

$$P = \frac{\sum F}{N} \times 100\%$$

$$P = \frac{9}{97} 100\% = 9,28\%$$

$$P = \frac{15}{97} 100\% = 15,46\%$$

$$P = \frac{21}{97} 100\% = 21,65\%$$

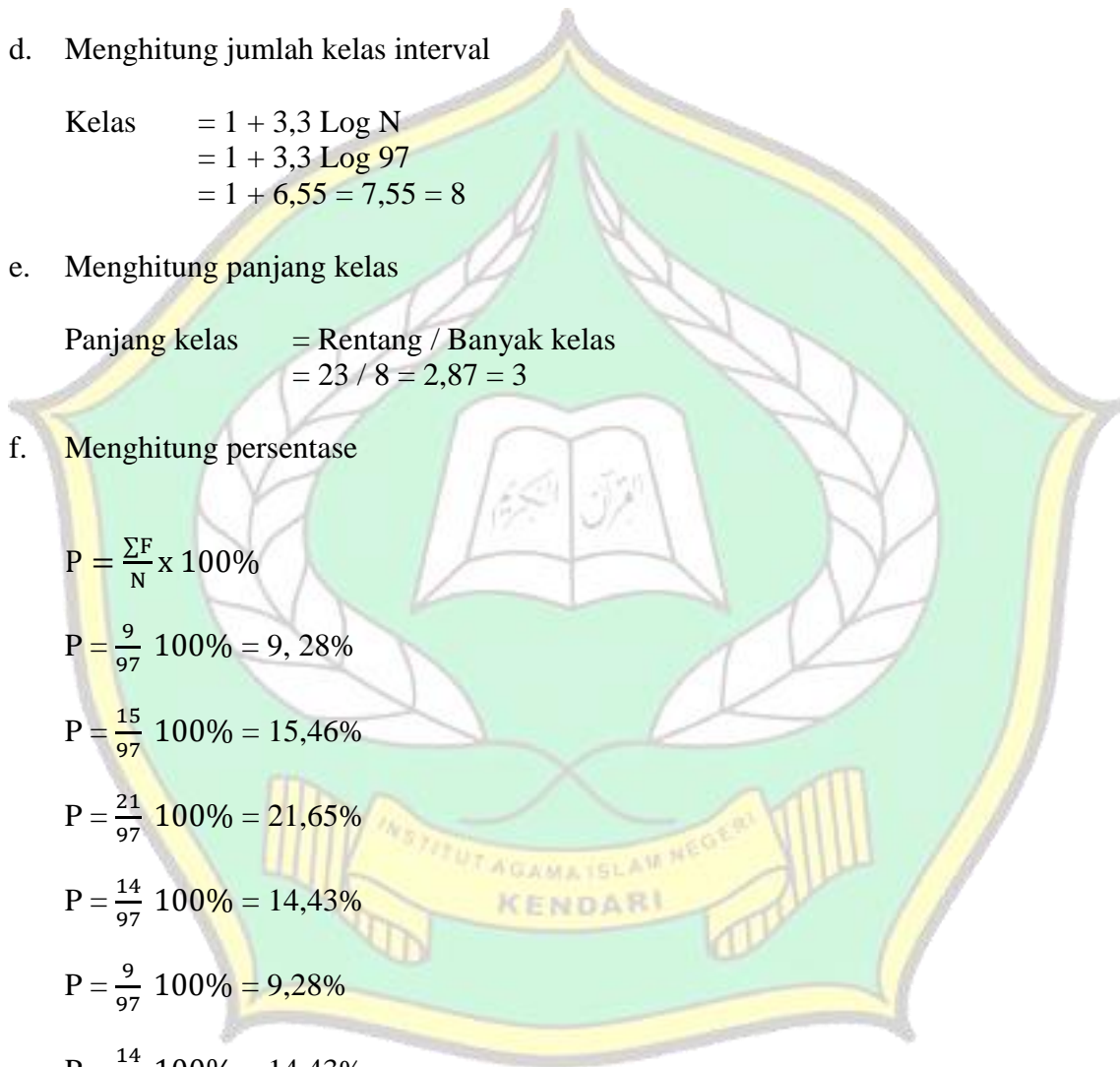
$$P = \frac{14}{97} 100\% = 14,43\%$$

$$P = \frac{9}{97} 100\% = 9,28\%$$

$$P = \frac{14}{97} 100\% = 14,43\%$$

$$P = \frac{9}{97} 100\% = 9,28\%$$

$$P = \frac{6}{97} 100\% = 6,19\%$$



Tabel Distribusi Frekuensi Lingkungan Keluarga

| No. | Interval Kelas | Frekuensi | Persentase |
|---------------|----------------|-----------|-------------|
| 1 | 45-47 | 9 | 9,28 |
| 2 | 48-50 | 15 | 15,46 |
| 3 | 51-53 | 21 | 21,65 |
| 4 | 54-56 | 14 | 14,43 |
| 5 | 57-59 | 9 | 9,28 |
| 6 | 60-62 | 14 | 14,43 |
| 7 | 63-65 | 9 | 9,28 |
| 8 | 66-68 | 6 | 6,19 |
| Jumlah | | 97 | 100% |

g. Menghitung tabel kecenderungan

- *Mean*

$$\bar{x} = \frac{\sum_{i=1}^n X_i}{n} = \frac{5364}{97} = 55,30$$

- Standar deviasi

$$S = \sqrt{\frac{\sum_{i=1}^n (x_i - \bar{x})^2}{n-1}} = \sqrt{\frac{3498,33}{97-1}} = \sqrt{\frac{3498,33}{96}} = \sqrt{36,44} = 6,037$$

- Tinggi = $X \geq (Me + SD)$
 $= X \geq (55,30 + 6,037)$
 $= X \geq 61,34$
- Sedang = $Me \leq X < (Me + SD)$
 $= 55,30 \leq X < (55,30 + 6,037)$
 $= 55,30 \leq X < (61,34)$
- Rendah = $(Me - SD) \leq X < Me$
 $= (55,30 - 6,037) \leq X < 55,30$
 $= (49,26) \leq X < 55,30$
- Sangat rendah = Dibawah $(Me - SD)$
 $= (55,30 - 6,037)$
 $= 49,26$

Tabel Distribusi Kategorisasi Lingkungan Keluarga

| Kategori | Skor | Frekuensi | % |
|---------------|------------------------|-----------|-------------|
| Tinggi | $X \geq 61,34$ | 18 | 18,56 |
| Sedang | $55,30 \leq X < 61,34$ | 23 | 23,71 |
| Rendah | $49,26 \leq X < 55,30$ | 39 | 40,21 |
| Sangat rendah | $X < 49,26$ | 17 | 17,53 |
| Jumlah | | 97 | 100% |

8.2 Fasilitas Belajar di Sekolah

| No. | Fasilitas Belajar di Sekolah (X_2) | | | | |
|-----|--|----|----|---------------|-------------|
| 1 | 50 | 34 | 53 | 69 | 56 |
| 2 | 49 | 35 | 59 | 70 | 46 |
| 3 | 48 | 36 | 48 | 71 | 61 |
| 4 | 63 | 37 | 54 | 72 | 48 |
| 5 | 57 | 38 | 59 | 73 | 50 |
| 6 | 64 | 39 | 63 | 74 | 50 |
| 7 | 50 | 40 | 62 | 75 | 47 |
| 8 | 65 | 41 | 66 | 76 | 50 |
| 9 | 51 | 42 | 56 | 77 | 51 |
| 10 | 60 | 43 | 61 | 78 | 52 |
| 11 | 52 | 44 | 69 | 79 | 48 |
| 12 | 50 | 45 | 47 | 80 | 50 |
| 13 | 58 | 46 | 48 | 81 | 57 |
| 14 | 66 | 47 | 56 | 82 | 55 |
| 15 | 50 | 48 | 47 | 83 | 59 |
| 16 | 55 | 49 | 53 | 84 | 59 |
| 17 | 50 | 50 | 56 | 85 | 46 |
| 18 | 61 | 51 | 47 | 86 | 53 |
| 19 | 59 | 52 | 50 | 87 | 44 |
| 20 | 49 | 53 | 55 | 88 | 54 |
| 21 | 66 | 54 | 60 | 89 | 53 |
| 22 | 68 | 55 | 45 | 90 | 56 |
| 23 | 55 | 56 | 59 | 91 | 44 |
| 24 | 51 | 57 | 50 | 92 | 52 |
| 25 | 55 | 58 | 55 | 93 | 56 |
| 26 | 54 | 59 | 58 | 94 | 56 |
| 27 | 48 | 60 | 54 | 95 | 51 |
| 28 | 66 | 61 | 53 | 96 | 50 |
| 29 | 60 | 62 | 51 | 97 | 55 |
| 30 | 59 | 63 | 44 | Jumlah | 5247 |
| 31 | 54 | 64 | 48 | | |
| 32 | 47 | 65 | 53 | | |
| 33 | 51 | 66 | 49 | | |
| | | 67 | 56 | | |
| | | 68 | 53 | | |

- a. Menghitung rata-rata (*mean*)

$$\bar{x} = \frac{\sum_{i=1}^n X_i}{n}$$

$$\bar{x} = \frac{5247}{97}$$

$$\bar{x} = 54,09$$

- b. Menghitung Varians dan Standar Deviasi

Penentuan varians dan standard deviasi

| No. | FB (X ₂) | \bar{x} | $X_i - \bar{x}$ | $(X_i - \bar{x})^2$ |
|-----|----------------------|-----------|-----------------|---------------------|
| 1 | 50 | 54,09 | -4,09 | 16,75 |
| 2 | 49 | 54,09 | -5,09 | 25,94 |
| 3 | 48 | 54,09 | -6,09 | 37,12 |
| 4 | 63 | 54,09 | 8,91 | 79,34 |
| 5 | 57 | 54,09 | 2,91 | 8,45 |
| 6 | 64 | 54,09 | 9,91 | 98,15 |
| 7 | 50 | 54,09 | -4,09 | 16,75 |
| 8 | 65 | 54,09 | 10,91 | 118,97 |
| 9 | 51 | 54,09 | -3,09 | 9,57 |
| 10 | 60 | 54,09 | 5,91 | 34,90 |
| 11 | 52 | 54,09 | -2,09 | 4,38 |
| 12 | 50 | 54,09 | -4,09 | 16,75 |
| 13 | 58 | 54,09 | 3,91 | 15,27 |
| 14 | 66 | 54,09 | 11,91 | 141,78 |
| 15 | 50 | 54,09 | -4,09 | 16,75 |
| 16 | 55 | 54,09 | 0,91 | 0,82 |
| 17 | 50 | 54,09 | -4,09 | 16,75 |
| 18 | 61 | 54,09 | 6,91 | 47,71 |
| 19 | 59 | 54,09 | 4,91 | 24,08 |
| 20 | 49 | 54,09 | -5,09 | 25,94 |
| 21 | 66 | 54,09 | 11,91 | 141,78 |
| 22 | 68 | 54,09 | 13,91 | 193,41 |
| 23 | 55 | 54,09 | 0,91 | 0,82 |
| 24 | 51 | 54,09 | -3,09 | 9,57 |
| 25 | 55 | 54,09 | 0,91 | 0,82 |
| 26 | 54 | 54,09 | -0,09 | 0,01 |
| 27 | 48 | 54,09 | -6,09 | 37,12 |
| 28 | 66 | 54,09 | 11,91 | 141,78 |
| 29 | 60 | 54,09 | 5,91 | 34,90 |
| 30 | 59 | 54,09 | 4,91 | 24,08 |
| 31 | 54 | 54,09 | -0,09 | 0,01 |
| 32 | 47 | 54,09 | -7,09 | 50,31 |

| | | | | |
|----|----|-------|--------|--------|
| 33 | 51 | 54,09 | -3,09 | 9,57 |
| 34 | 53 | 54,09 | -1,09 | 1,19 |
| 35 | 59 | 54,09 | 4,91 | 24,08 |
| 36 | 48 | 54,09 | -6,09 | 37,12 |
| 37 | 54 | 54,09 | -0,09 | 0,01 |
| 38 | 59 | 54,09 | 4,91 | 24,08 |
| 39 | 63 | 54,09 | 8,91 | 79,34 |
| 40 | 62 | 54,09 | 7,91 | 62,52 |
| 41 | 66 | 54,09 | 11,91 | 141,78 |
| 42 | 56 | 54,09 | 1,91 | 3,64 |
| 43 | 61 | 54,09 | 6,91 | 47,71 |
| 44 | 69 | 54,09 | 14,91 | 222,23 |
| 45 | 47 | 54,09 | -7,09 | 50,31 |
| 46 | 48 | 54,09 | -6,09 | 37,12 |
| 47 | 56 | 54,09 | 1,91 | 3,64 |
| 48 | 47 | 54,09 | -7,09 | 50,31 |
| 49 | 53 | 54,09 | -1,09 | 1,19 |
| 50 | 56 | 54,09 | 1,91 | 3,64 |
| 51 | 47 | 54,09 | -7,09 | 50,31 |
| 52 | 50 | 54,09 | -4,09 | 16,75 |
| 53 | 55 | 54,09 | 0,91 | 0,82 |
| 54 | 60 | 54,09 | 5,91 | 34,90 |
| 55 | 45 | 54,09 | -9,09 | 82,68 |
| 56 | 59 | 54,09 | 4,91 | 24,08 |
| 57 | 50 | 54,09 | -4,09 | 16,75 |
| 58 | 55 | 54,09 | 0,91 | 0,82 |
| 59 | 58 | 54,09 | 3,91 | 15,27 |
| 60 | 54 | 54,09 | -0,09 | 0,01 |
| 61 | 53 | 54,09 | -1,09 | 1,19 |
| 62 | 51 | 54,09 | -3,09 | 9,57 |
| 63 | 44 | 54,09 | -10,09 | 101,86 |
| 64 | 48 | 54,09 | -6,09 | 37,12 |
| 65 | 53 | 54,09 | -1,09 | 1,19 |
| 66 | 49 | 54,09 | -5,09 | 25,94 |
| 67 | 56 | 54,09 | 1,91 | 3,64 |
| 68 | 53 | 54,09 | -1,09 | 1,19 |
| 69 | 56 | 54,09 | 1,91 | 3,64 |
| 70 | 46 | 54,09 | -8,09 | 65,49 |
| 71 | 61 | 54,09 | 6,91 | 47,71 |
| 72 | 48 | 54,09 | -6,09 | 37,12 |
| 73 | 50 | 54,09 | -4,09 | 16,75 |
| 74 | 50 | 54,09 | -4,09 | 16,75 |
| 75 | 47 | 54,09 | -7,09 | 50,31 |
| 76 | 50 | 54,09 | -4,09 | 16,75 |

| | | | | |
|---------------|-------------|-------|--------|----------------|
| 77 | 51 | 54,09 | -3,09 | 9,57 |
| 78 | 52 | 54,09 | -2,09 | 4,38 |
| 79 | 48 | 54,09 | -6,09 | 37,12 |
| 80 | 50 | 54,09 | -4,09 | 16,75 |
| 81 | 57 | 54,09 | 2,91 | 8,45 |
| 82 | 55 | 54,09 | 0,91 | 0,82 |
| 83 | 59 | 54,09 | 4,91 | 24,08 |
| 84 | 59 | 54,09 | 4,91 | 24,08 |
| 85 | 46 | 54,09 | -8,09 | 65,49 |
| 86 | 53 | 54,09 | -1,09 | 1,19 |
| 87 | 44 | 54,09 | -10,09 | 101,86 |
| 88 | 54 | 54,09 | -0,09 | 0,01 |
| 89 | 53 | 54,09 | -1,09 | 1,19 |
| 90 | 56 | 54,09 | 1,91 | 3,64 |
| 91 | 44 | 54,09 | -10,09 | 101,86 |
| 92 | 52 | 54,09 | -2,09 | 4,38 |
| 93 | 56 | 54,09 | 1,91 | 3,64 |
| 94 | 56 | 54,09 | 1,91 | 3,64 |
| 95 | 51 | 54,09 | -3,09 | 9,57 |
| 96 | 50 | 54,09 | -4,09 | 16,75 |
| 97 | 55 | 54,09 | 0,91 | 0,82 |
| Jumlah | 5247 | | | 3308,16 |

- Menghitung varians sampel menggunakan rumus :

$$S^2 = \frac{n \sum_{i=1}^n (x_i - \bar{x})^2}{n - 1}$$

$$S^2 = \frac{3308,16}{97 - 1}$$

$$S^2 = \frac{3308,16}{96}$$

$$S^2 = 34,46$$

- Menghitung standar deviasi menggunakan rumus :

$$S = \sqrt{\frac{\sum_{i=1}^n (x_i - \bar{x})^2}{n - 1}}$$

$$S = \sqrt{\frac{3308,16}{97 - 1}}$$

$$S = \sqrt{\frac{3308,16}{96}}$$

$$S = 5,870$$

c. Menghitung rentang data

$$\begin{aligned}\text{Rentang} &= \text{Data terbesar} - \text{Data terkecil} \\ &= 69-44 \\ &= 25\end{aligned}$$

d. Menghitung jumlah kelas interval

$$\begin{aligned}\text{Kelas} &= 1 + 3,3 \text{ Log } N \\ &= 1 + 3,3 \text{ Log } 97 \\ &= 1 + 6,55 = 7,55 = 8\end{aligned}$$

e. Menghitung panjang kelas

$$\begin{aligned}\text{Panjang kelas} &= \text{Rentang} / \text{Banyak kelas} \\ &= 25 / 8 = 3,12 = 3\end{aligned}$$

f. Menghitung persentase

$$P = \frac{\sum F}{N} \times 100\%$$

$$P = \frac{6}{97} 100\% = 6,18\%$$

$$P = \frac{15}{97} 100\% = 15,46\%$$

$$P = \frac{21}{97} 100\% = 21,65\%$$

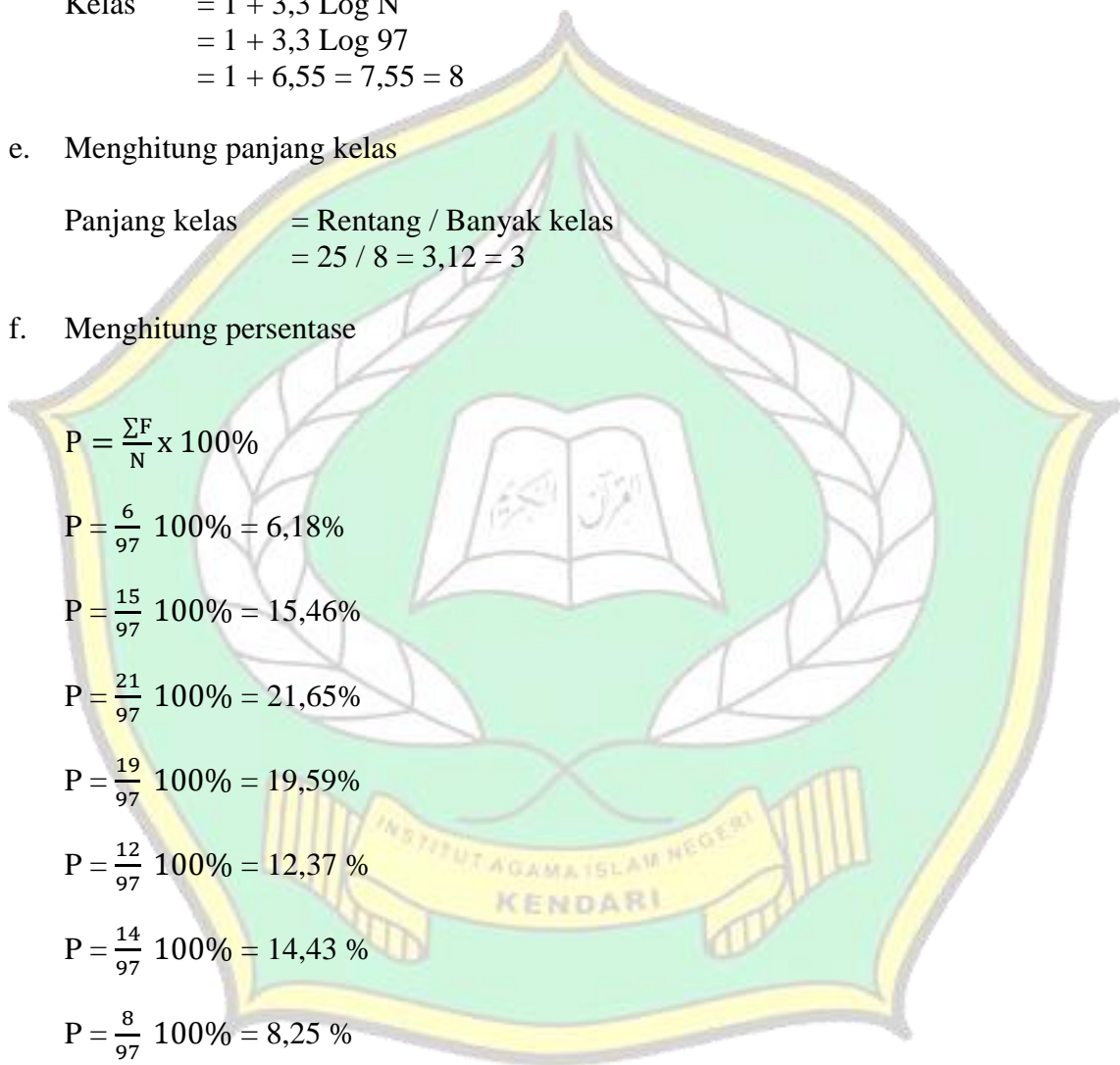
$$P = \frac{19}{97} 100\% = 19,59\%$$

$$P = \frac{12}{97} 100\% = 12,37\%$$

$$P = \frac{14}{97} 100\% = 14,43\%$$

$$P = \frac{8}{97} 100\% = 8,25\%$$

$$P = \frac{2}{97} 100\% = 2,06\%$$



Tabel Distribusi Frekuensi Fasilitas Belajar di Sekolah

| No. | Interval Kelas | Frekuensi | Persentase |
|-----|----------------|-----------|------------|
| 1 | 44-46 | 6 | 6,19 |
| 2 | 47-49 | 15 | 15,46 |
| 3 | 50-52 | 21 | 21,65 |

| | | | |
|---------------|-------|-----------|------------|
| 4 | 53-55 | 19 | 19,59 |
| 5 | 56-58 | 12 | 12,37 |
| 6 | 59-62 | 14 | 14,43 |
| 7 | 63-66 | 8 | 8,25 |
| 8 | 67-69 | 2 | 2,06 |
| Jumlah | | 97 | 100 |

g. Menghitung tabel kecenderungan

- Mean

$$\bar{x} = \frac{\sum_{i=1}^n X_i}{n} = \frac{5247}{97} = 54,09$$

- Standar deviasi

$$S = \sqrt{\frac{\sum_{i=1}^n (x_i - \bar{x})^2}{n-1}} = \sqrt{\frac{3308,16}{97-1}} = \sqrt{\frac{3308,16}{96}} = \sqrt{34,46} = 5,870$$

- Tinggi = $X \geq (Me + SD)$
 $= X \geq (54,09 + 5,870)$
 $= X \geq 59,96$
- Sedang = $Me \leq X < (Me + SD)$
 $= 54,09 \leq X < (54,09 + 5,870)$
 $= 54,09 \leq X < (59,96)$
- Rendah = $(Me - SD) \leq X < Me$
 $= (54,09 - 5,870) \leq X < 54,09$
 $= (48,22) \leq X < 55,30$
- Sangat rendah = Dibawah $(Me - SD)$
 $= (54,09 - 5,870)$
 $= 48,22$

Tabel Distribusi Kategorisasi Fasilitas Belajar di Sekolah

| Kategori | Skor | Frekuensi | % |
|---------------|------------------------|-----------|-------------|
| Tinggi | $X \geq 59,96$ | 17 | 17,53 |
| Sedang | $54,09 \leq X < 59,96$ | 26 | 26,80 |
| Rendah | $48,22 \leq X < 54,09$ | 36 | 37,11 |
| Sangat rendah | $X < 48,22$ | 18 | 18,56 |
| Jumlah | | 97 | 100% |

8.3 Hasil Belajar IPA

| No. | Hasil Belajar IPA (Y) | | | | |
|-----|-----------------------|----|----|---------------|-------------|
| 1 | 64 | 39 | 81 | 78 | 78 |
| 2 | 80 | 40 | 70 | 79 | 63 |
| 3 | 68 | 41 | 75 | 80 | 82 |
| 4 | 75 | 42 | 65 | 81 | 57 |
| 5 | 60 | 43 | 83 | 82 | 75 |
| 6 | 82 | 44 | 67 | 83 | 61 |
| 7 | 72 | 45 | 80 | 84 | 80 |
| 8 | 79 | 46 | 70 | 85 | 60 |
| 9 | 60 | 47 | 79 | 86 | 79 |
| 10 | 76 | 48 | 63 | 87 | 70 |
| 11 | 53 | 49 | 75 | 88 | 84 |
| 12 | 75 | 50 | 72 | 89 | 65 |
| 13 | 65 | 51 | 81 | 90 | 76 |
| 14 | 84 | 52 | 70 | 91 | 50 |
| 15 | 71 | 53 | 82 | 92 | 83 |
| 16 | 80 | 54 | 64 | 93 | 48 |
| 17 | 57 | 55 | 74 | 94 | 77 |
| 18 | 75 | 56 | 83 | 95 | 65 |
| 19 | 70 | 57 | 55 | 96 | 62 |
| 20 | 83 | 58 | 76 | 97 | 49 |
| 21 | 63 | 59 | 66 | Jumlah | 6904 |
| 22 | 80 | 60 | 87 | | |
| 23 | 60 | 61 | 69 | | |
| 24 | 85 | 62 | 76 | | |
| 25 | 60 | 63 | 49 | | |
| 26 | 75 | 64 | 80 | | |
| 27 | 65 | 65 | 68 | | |
| 28 | 86 | 66 | 84 | | |
| 29 | 76 | 67 | 71 | | |
| 30 | 73 | 68 | 77 | | |
| 31 | 80 | 69 | 74 | | |
| 32 | 50 | 70 | 79 | | |
| 33 | 75 | 71 | 68 | | |
| 34 | 61 | 72 | 85 | | |
| 35 | 82 | 73 | 62 | | |
| 36 | 50 | 74 | 83 | | |
| 37 | 84 | 75 | 71 | | |
| 38 | 51 | 76 | 77 | | |
| | | 77 | 64 | | |

- a. Menghitung rata-rata (*mean*)

$$\bar{x} = \frac{\sum_{i=1}^n X_i}{n}$$

$$\bar{x} = \frac{6904}{97}$$

$$\bar{x} = 71,18$$

- b. Menghitung Varians dan Standar Deviasi

Penentuan varians dan standard deviasi

| No. | HB (Y) | \bar{x} | $X_i - \bar{x}$ | $(X_i - \bar{x})^2$ |
|-----|--------|-----------|-----------------|---------------------|
| 1 | 64 | 71,18 | -7,18 | 51,48 |
| 2 | 80 | 71,18 | 8,82 | 77,88 |
| 3 | 68 | 71,18 | -3,18 | 10,08 |
| 4 | 75 | 71,18 | 3,82 | 14,63 |
| 5 | 60 | 71,18 | -11,18 | 124,89 |
| 6 | 82 | 71,18 | 10,82 | 117,18 |
| 7 | 72 | 71,18 | 0,82 | 0,68 |
| 8 | 79 | 71,18 | 7,82 | 61,23 |
| 9 | 60 | 71,18 | -11,18 | 124,89 |
| 10 | 76 | 71,18 | 4,82 | 23,28 |
| 11 | 53 | 71,18 | -18,18 | 330,34 |
| 12 | 75 | 71,18 | 3,82 | 14,63 |
| 13 | 65 | 71,18 | -6,18 | 38,13 |
| 14 | 84 | 71,18 | 12,82 | 164,47 |
| 15 | 71 | 71,18 | -0,18 | 0,03 |
| 16 | 80 | 71,18 | 8,82 | 77,88 |
| 17 | 57 | 71,18 | -14,18 | 200,94 |
| 18 | 75 | 71,18 | 3,82 | 14,63 |
| 19 | 70 | 71,18 | -1,18 | 1,38 |
| 20 | 83 | 71,18 | 11,82 | 139,82 |
| 21 | 63 | 71,18 | -8,18 | 66,83 |
| 22 | 80 | 71,18 | 8,82 | 77,88 |
| 23 | 60 | 71,18 | -11,18 | 124,89 |
| 24 | 85 | 71,18 | 13,82 | 191,12 |
| 25 | 60 | 71,18 | -11,18 | 124,89 |
| 26 | 75 | 71,18 | 3,82 | 14,63 |
| 27 | 65 | 71,18 | -6,18 | 38,13 |
| 28 | 86 | 71,18 | 14,82 | 219,77 |
| 29 | 76 | 71,18 | 4,82 | 23,28 |
| 30 | 73 | 71,18 | 1,82 | 3,33 |
| 31 | 80 | 71,18 | 8,82 | 77,88 |
| 32 | 50 | 71,18 | -21,18 | 448,39 |

| | | | | |
|----|----|-------|--------|--------|
| 33 | 75 | 71,18 | 3,82 | 14,63 |
| 34 | 61 | 71,18 | -10,18 | 103,54 |
| 35 | 82 | 71,18 | 10,82 | 117,18 |
| 36 | 50 | 71,18 | -21,18 | 448,39 |
| 37 | 84 | 71,18 | 12,82 | 164,47 |
| 38 | 51 | 71,18 | -20,18 | 407,04 |
| 39 | 81 | 71,18 | 9,82 | 96,53 |
| 40 | 70 | 71,18 | -1,18 | 1,38 |
| 41 | 75 | 71,18 | 3,82 | 14,63 |
| 42 | 65 | 71,18 | -6,18 | 38,13 |
| 43 | 83 | 71,18 | 11,82 | 139,82 |
| 44 | 67 | 71,18 | -4,18 | 17,43 |
| 45 | 80 | 71,18 | 8,82 | 77,88 |
| 46 | 70 | 71,18 | -1,18 | 1,38 |
| 47 | 79 | 71,18 | 7,82 | 61,23 |
| 48 | 63 | 71,18 | -8,18 | 66,83 |
| 49 | 75 | 71,18 | 3,82 | 14,63 |
| 50 | 72 | 71,18 | 0,82 | 0,68 |
| 51 | 81 | 71,18 | 9,82 | 96,53 |
| 52 | 70 | 71,18 | -1,18 | 1,38 |
| 53 | 82 | 71,18 | 10,82 | 117,18 |
| 54 | 64 | 71,18 | -7,18 | 51,48 |
| 55 | 74 | 71,18 | 2,82 | 7,98 |
| 56 | 83 | 71,18 | 11,82 | 139,82 |
| 57 | 55 | 71,18 | -16,18 | 261,64 |
| 58 | 76 | 71,18 | 4,82 | 23,28 |
| 59 | 66 | 71,18 | -5,18 | 26,78 |
| 60 | 87 | 71,18 | 15,82 | 250,42 |
| 61 | 69 | 71,18 | -2,18 | 4,73 |
| 62 | 76 | 71,18 | 4,82 | 23,28 |
| 63 | 49 | 71,18 | -22,18 | 491,74 |
| 64 | 80 | 71,18 | 8,82 | 77,88 |
| 65 | 68 | 71,18 | -3,18 | 10,08 |
| 66 | 84 | 71,18 | 12,82 | 164,47 |
| 67 | 71 | 71,18 | -0,18 | 0,03 |
| 68 | 77 | 71,18 | 5,82 | 33,93 |
| 69 | 74 | 71,18 | 2,82 | 7,98 |
| 70 | 79 | 71,18 | 7,82 | 61,23 |
| 71 | 68 | 71,18 | -3,18 | 10,08 |
| 72 | 85 | 71,18 | 13,82 | 191,12 |
| 73 | 62 | 71,18 | -9,18 | 84,19 |
| 74 | 83 | 71,18 | 11,82 | 139,82 |
| 75 | 71 | 71,18 | -0,18 | 0,03 |
| 76 | 77 | 71,18 | 5,82 | 33,93 |

| | | | | |
|---------------|-------------|-------|--------|----------------|
| 77 | 64 | 71,18 | -7,18 | 51,48 |
| 78 | 78 | 71,18 | 6,82 | 46,58 |
| 79 | 63 | 71,18 | -8,18 | 66,83 |
| 80 | 82 | 71,18 | 10,82 | 117,18 |
| 81 | 57 | 71,18 | -14,18 | 200,94 |
| 82 | 75 | 71,18 | 3,82 | 14,63 |
| 83 | 61 | 71,18 | -10,18 | 103,54 |
| 84 | 80 | 71,18 | 8,82 | 77,88 |
| 85 | 60 | 71,18 | -11,18 | 124,89 |
| 86 | 79 | 71,18 | 7,82 | 61,23 |
| 87 | 70 | 71,18 | -1,18 | 1,38 |
| 88 | 84 | 71,18 | 12,82 | 164,47 |
| 89 | 65 | 71,18 | -6,18 | 38,13 |
| 90 | 76 | 71,18 | 4,82 | 23,28 |
| 91 | 50 | 71,18 | -21,18 | 448,39 |
| 92 | 83 | 71,18 | 11,82 | 139,82 |
| 93 | 48 | 71,18 | -23,18 | 537,09 |
| 94 | 77 | 71,18 | 5,82 | 33,93 |
| 95 | 65 | 71,18 | -6,18 | 38,13 |
| 96 | 62 | 71,18 | -9,18 | 84,19 |
| 97 | 49 | 71,18 | -22,18 | 491,74 |
| Jumlah | 6904 | | | 9962,02 |

- Menghitung varians sampel menggunakan rumus :

$$S^2 = \frac{n \sum_{i=1}^n (x_i - \bar{x})^2}{n-1}$$

$$S^2 = \frac{9962,02}{97 - 1}$$

$$S^2 = \frac{9962,02}{96}$$

$$S^2 = 103,77$$

- Menghitung standar deviasi menggunakan rumus :

$$S = \sqrt{\frac{\sum_{i=1}^n (x_i - \bar{x})^2}{n - 1}}$$

$$S = \sqrt{\frac{9962,02}{97 - 1}}$$

$$S = \sqrt{\frac{9962,02}{96}}$$

$$S = \sqrt{103,77}$$

$$S = 10,187$$

c. Menghitung rentang data

$$\begin{aligned}\text{Rentang} &= \text{Data terbesar} - \text{Data terkecil} \\ &= 87 - 48 \\ &= 39\end{aligned}$$

d. Menghitung jumlah kelas interval

$$\begin{aligned}\text{Kelas} &= 1 + 3,3 \text{ Log } N \\ &= 1 + 3,3 \text{ Log } 97 \\ &= 1 + 6,55 = 7,55 = 8\end{aligned}$$

e. Menghitung panjang kelas

$$\begin{aligned}\text{Panjang kelas} &= \text{Rentang} / \text{Banyak kelas} \\ &= 39 / 8 = 4,87 = 5\end{aligned}$$

f. Menghitung persentase

$$P = \frac{\sum F}{N} \times 100 \%$$

$$P = \frac{7}{97} 100\% = 7,22 \%$$

$$P = \frac{4}{97} 100\% = 4,12 \%$$

$$P = \frac{9}{97} 100\% = 9,28 \%$$

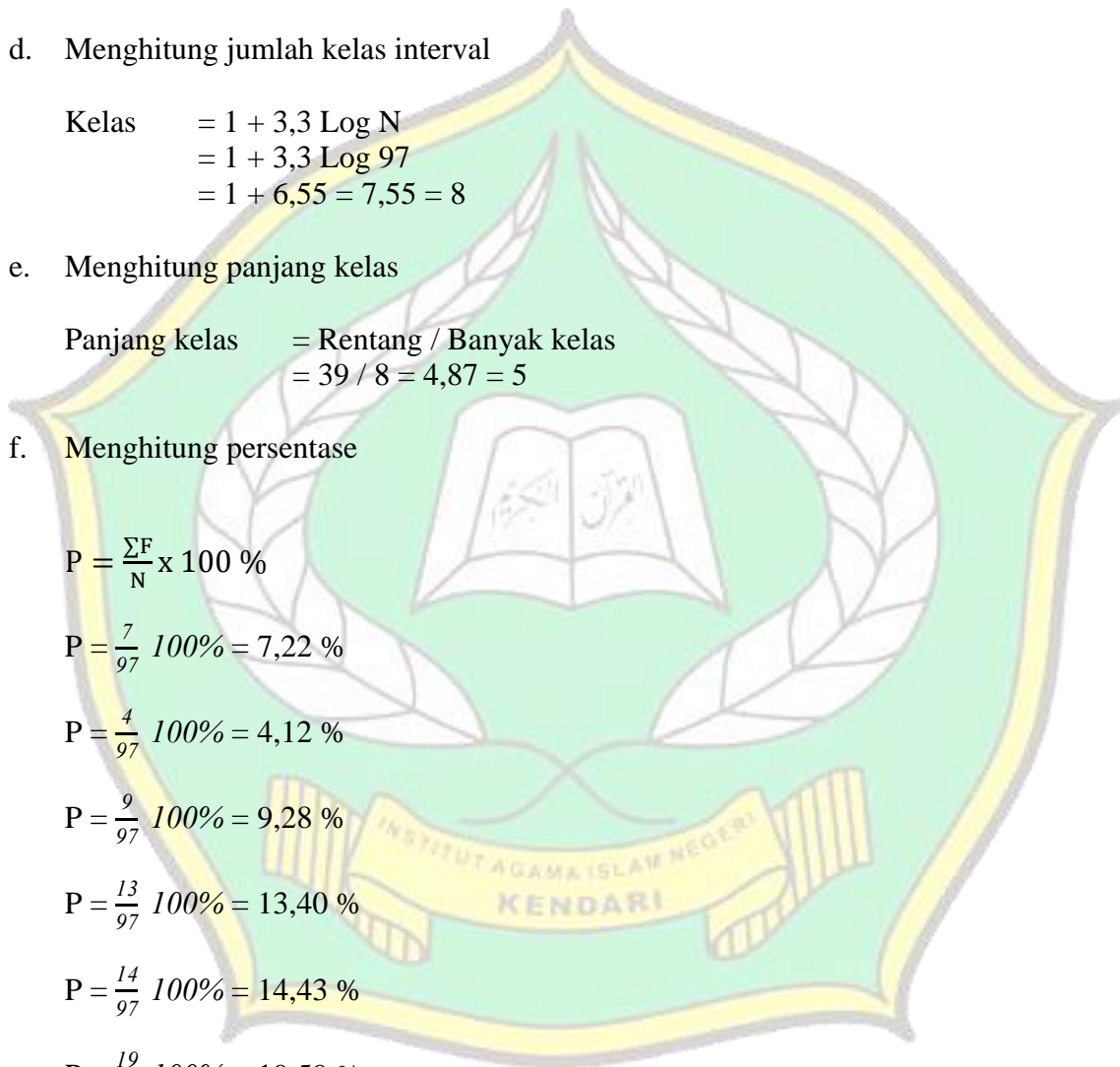
$$P = \frac{13}{97} 100\% = 13,40 \%$$

$$P = \frac{14}{97} 100\% = 14,43 \%$$

$$P = \frac{19}{97} 100\% = 19,59 \%$$

$$P = \frac{18}{97} 100\% = 18,56 \%$$

$$P = \frac{13}{97} 100\% = 13,40 \%$$



Tabel Distribusi Frekuensi Hasil Belajar IPA

| No. | Interval Kelas | Frekuensi | Persentase |
|---------------|----------------|-----------|--------------|
| 1 | 48-52 | 7 | 7,22 |
| 2 | 53-57 | 4 | 4,12 |
| 3 | 58-62 | 9 | 9,28 |
| 4 | 63-67 | 13 | 13,40 |
| 5 | 68-72 | 14 | 14,43 |
| 6 | 73-77 | 19 | 19,59 |
| 7 | 78-82 | 18 | 18,56 |
| 8 | 83-87 | 13 | 13,40 |
| Jumlah | | 97 | 100 % |

g. Menghitung tabel kecenderungan

- *Mean*

$$\bar{x} = \frac{\sum_{i=1}^n X_i}{n} = \frac{6904}{97} = 71,18$$

- *Standar deviasi*

$$S = \sqrt{\frac{\sum_{i=1}^n (x_i - \bar{x})^2}{n-1}} = \sqrt{\frac{9962,02}{97-1}} = \sqrt{\frac{9962,02}{96}} = \sqrt{103,77} = 10,187$$

$$\begin{aligned} \text{Tinggi} &= X \geq (\text{Me} + \text{SD}) \\ &= X \geq (71,18 + 10,187) \\ &= X \geq 81,37 \end{aligned}$$

$$\begin{aligned} \text{Sedang} &= \text{Me} \leq X < (\text{Me} + \text{SD}) \\ &= 71,18 \leq X < (71,18 + 10,187) \\ &= 71,18 \leq X < (81,37) \end{aligned}$$

$$\begin{aligned} \text{Rendah} &= (\text{Me} - \text{SD}) \leq X < \text{Me} \\ &= (71,18 - 10,187) \leq X < 71,18 \\ &= (60,99) \leq X < 71,18 \end{aligned}$$

$$\begin{aligned} \text{Sangat rendah} &= \text{Dibawah} (\text{Me} - \text{SD}) \\ &= (71,18 - 10,187) \\ &= 60,99 \end{aligned}$$

Tabel Distribusi Kategorisasi Hasil Belajar IPA

| Kategori | Skor | Frekuensi | % |
|---------------|------------------------|-----------|-------------|
| Tinggi | $X \geq 81,37$ | 17 | 17,53 |
| Sedang | $71,18 \leq X < 81,37$ | 35 | 36,08 |
| Rendah | $60,99 \leq X < 71,18$ | 29 | 26,90 |
| Sangat rendah | $X < 60,99$ | 16 | 16,49 |
| Jumlah | | 97 | 100% |

LAMPIRAN 8
ANALISIS INFERENSIAL

8.1 Uji Prasyarat

8.1.1 Uji Normalitas

One-Sample Kolmogorov-Smirnov Test

| | | Lingkungan Keluarga | Fasilitas Belajar di Sekolah | Hasil Belajar IPA |
|---------------------------------|----------------|---------------------|------------------------------|-------------------|
| N | | 97 | 97 | 97 |
| Normal Parameters ^a | Mean | 55.30 | 54.09 | 71.18 |
| | Std. Deviation | 6.037 | 5.870 | 10.187 |
| Most Extreme Differences | Absolute | .121 | .103 | .131 |
| | Positive | .121 | .103 | .067 |
| | Negative | -.081 | -.052 | -.131 |
| Kolmogorov-Smirnov Z | | 1.194 | 1.014 | 1.289 |
| Asymp. Sig. (2-tailed) | | .115 | .256 | .072 |
| a. Test distribution is Normal. | | | | |

8.1.2 Uji Linearitas

8.1.2.1 Uji Linearitas Lingkungan Keluarga terhadap Hasil Belajar IPA

ANOVA Table

| | | | Sum of Squares | df | Mean Square | F | Sig. |
|--|----------------|--------------------------|----------------|----|-------------|-------|------|
| Hasil Belajar IPA * Lingkungan Keluarga | Between Groups | (Combined) | 1880.534 | 23 | 81.762 | .739 | .790 |
| | | Linearity | 452.318 | 1 | 452.318 | 4.086 | .047 |
| | | Deviation from Linearity | 1428.216 | 22 | 64.919 | .586 | .920 |
| | Within Groups | | 8081.487 | 73 | 110.705 | | |
| | Total | | 9962.021 | 96 | | | |

8.1.2.2 Uji Linearitas Fasilitas Belajar di Sekolah terhadap Hasil Belajar IPA

ANOVA Table

| | | | Sum of Squares | df | Mean Square | F | Sig. |
|--|----------------|--------------------------|----------------|----|-------------|-------|------|
| Hasil Belajar IPA * Fasilitas Belajar di Sekolah | Between Groups | (Combined) | 2740.140 | 24 | 114.172 | 1.138 | .328 |
| | | Linearity | 414.801 | 1 | 414.801 | 4.135 | .046 |
| | | Deviation from Linearity | 2325.338 | 23 | 101.102 | 1.008 | .467 |
| | Within Groups | | 7221.881 | 72 | 100.304 | | |
| | Total | | 9962.021 | 96 | | | |

8.1.3 Uji Heteroskedastisitas

Coefficients^a

| Model | | Unstandardized Coefficients | | Standardized Coefficients | T | Sig. |
|-------|------------------------------|-----------------------------|------------|---------------------------|--------|------|
| | | B | Std. Error | Beta | | |
| 1 | (Constant) | 8.308 | 2.288 | | 3.631 | .000 |
| | Lingkungan Keluarga | -.029 | .030 | -.100 | -.995 | .322 |
| | Fasilitas Belajar di Sekolah | -.058 | .030 | -.192 | -1.904 | .060 |

a. Dependent Variable: LN_RES

8.1.4 Uji Multikolinearitas

Coefficients^a

| Model | | Unstandardized Coefficients | | Standardized Coefficients | t | Sig. | Collinearity Statistics | |
|-------|------------------------------|-----------------------------|------------|---------------------------|-------|------|-------------------------|-------|
| | | B | Std. Error | Beta | | | Tolerance | VIF |
| 1 | (Constant) | 33.201 | 12.921 | | 2.570 | .012 | | |
| | Lingkungan Keluarga | .350 | .167 | .208 | 2.102 | .038 | .999 | 1.001 |
| | Fasilitas Belajar di Sekolah | .344 | .171 | .198 | 2.008 | .047 | .999 | 1.001 |

a. Dependent Variable: Hasil Belajar IPA

8.2 Uji Hipotesis

8.2.1 Uji Regresi Linear Berganda Lingkungan Keluarga dan Fasilitas Belajar di Sekolah terhadap Hasil Belajar IPA

| Model | Unstandardized Coefficients | | Standardized Coefficients | t | Sig. |
|------------------------------|-----------------------------|------------|---------------------------|-------|------|
| | B | Std. Error | Beta | | |
| 1 (Constant) | 33.201 | 12.921 | | 2.570 | .012 |
| Lingkungan Keluarga | .350 | .167 | .208 | 2.102 | .038 |
| Fasilitas Belajar di Sekolah | .344 | .171 | .198 | 2.008 | .047 |

a. Dependent Variable: Hasil Belajar IPA

8.2.2 Uji t

8.2.2.1 Uji t Lingkungan Keluarga terhadap Hasil Belajar IPA

| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate |
|-------|-------------------|----------|-------------------|----------------------------|
| 1 | .213 ^a | .045 | .035 | 10.005 |

a. Predictors: (Constant), Lingkungan Keluarga

8.2.2.2 Uji t Fasilitas Belajar di Sekolah terhadap Hasil Belajar IPA

| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate |
|-------|-------------------|----------|-------------------|----------------------------|
| 1 | .204 ^a | .042 | .032 | 10.025 |

a. Predictors: (Constant), Fasilitas Belajar di Sekolah

8.2.3 Uji F (simultan)

ANOVA^b

| Model | | Sum of Squares | df | Mean Square | F | Sig. |
|-------|------------|----------------|----|-------------|-------|-------------------|
| 1 | Regression | 843.510 | 2 | 421.755 | 4.348 | .016 ^a |
| | Residual | 9118.510 | 94 | 97.005 | | |
| | Total | 9962.021 | 96 | | | |

a. Predictors: (Constant), Fasilitas Belajar di Sekolah, Lingkungan Keluarga

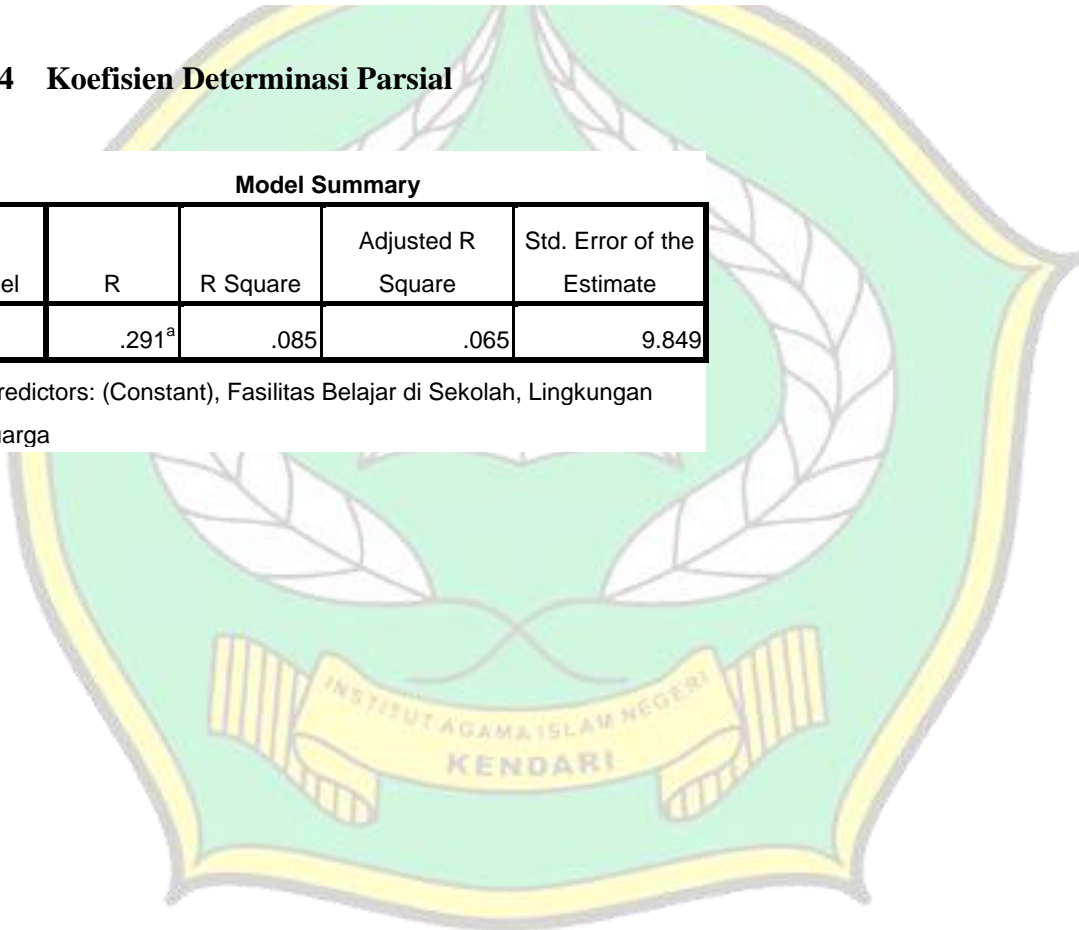
b. Dependent Variable: Hasil Belajar IPA

8.2.4 Koefisien Determinasi Parsial

Model Summary

| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate |
|-------|-------------------|----------|-------------------|----------------------------|
| 1 | .291 ^a | .085 | .065 | 9.849 |

a. Predictors: (Constant), Fasilitas Belajar di Sekolah, Lingkungan Keluarga



Tabel r

Tabel r untuk df = 1 - 50

| df = (N-2) | Tingkat signifikansi untuk uji satu arah | | | | |
|------------|--|--------|--------|--------|--------|
| | 0.05 | 0.025 | 0.01 | 0.005 | 0.0005 |
| | Tingkat signifikansi untuk uji dua arah | | | | |
| | 0.1 | 0.05 | 0.02 | 0.01 | 0.001 |
| 1 | 0.9877 | 0.9969 | 0.9995 | 0.9999 | 1.0000 |
| 2 | 0.9000 | 0.9500 | 0.9800 | 0.9900 | 0.9990 |
| 3 | 0.8054 | 0.8783 | 0.9343 | 0.9587 | 0.9911 |
| 4 | 0.7293 | 0.8114 | 0.8822 | 0.9172 | 0.9741 |
| 5 | 0.6694 | 0.7545 | 0.8329 | 0.8745 | 0.9509 |
| 6 | 0.6215 | 0.7067 | 0.7887 | 0.8343 | 0.9249 |
| 7 | 0.5822 | 0.6664 | 0.7498 | 0.7977 | 0.8983 |
| 8 | 0.5494 | 0.6319 | 0.7155 | 0.7646 | 0.8721 |
| 9 | 0.5214 | 0.6021 | 0.6851 | 0.7348 | 0.8470 |
| 10 | 0.4973 | 0.5760 | 0.6581 | 0.7079 | 0.8233 |
| 11 | 0.4762 | 0.5529 | 0.6339 | 0.6835 | 0.8010 |
| 12 | 0.4575 | 0.5324 | 0.6120 | 0.6614 | 0.7800 |
| 13 | 0.4409 | 0.5140 | 0.5923 | 0.6411 | 0.7604 |
| 14 | 0.4259 | 0.4973 | 0.5742 | 0.6226 | 0.7419 |
| 15 | 0.4124 | 0.4821 | 0.5577 | 0.6055 | 0.7247 |
| 16 | 0.4000 | 0.4683 | 0.5425 | 0.5897 | 0.7084 |
| 17 | 0.3887 | 0.4555 | 0.5285 | 0.5751 | 0.6932 |
| 18 | 0.3783 | 0.4438 | 0.5155 | 0.5614 | 0.6788 |
| 19 | 0.3687 | 0.4329 | 0.5034 | 0.5487 | 0.6652 |
| 20 | 0.3598 | 0.4227 | 0.4921 | 0.5368 | 0.6524 |
| 21 | 0.3515 | 0.4132 | 0.4815 | 0.5256 | 0.6402 |
| 22 | 0.3438 | 0.4044 | 0.4716 | 0.5151 | 0.6287 |
| 23 | 0.3365 | 0.3961 | 0.4622 | 0.5052 | 0.6178 |
| 24 | 0.3297 | 0.3882 | 0.4534 | 0.4958 | 0.6074 |
| 25 | 0.3233 | 0.3809 | 0.4451 | 0.4869 | 0.5974 |
| 26 | 0.3172 | 0.3739 | 0.4372 | 0.4785 | 0.5880 |
| 27 | 0.3115 | 0.3673 | 0.4297 | 0.4705 | 0.5790 |
| 28 | 0.3061 | 0.3610 | 0.4226 | 0.4629 | 0.5703 |
| 29 | 0.3009 | 0.3550 | 0.4158 | 0.4556 | 0.5620 |
| 30 | 0.2960 | 0.3494 | 0.4093 | 0.4487 | 0.5541 |
| 31 | 0.2913 | 0.3440 | 0.4032 | 0.4421 | 0.5465 |
| 32 | 0.2869 | 0.3388 | 0.3972 | 0.4357 | 0.5392 |
| 33 | 0.2826 | 0.3338 | 0.3916 | 0.4296 | 0.5322 |
| 34 | 0.2785 | 0.3291 | 0.3862 | 0.4238 | 0.5254 |
| 35 | 0.2746 | 0.3246 | 0.3810 | 0.4182 | 0.5189 |
| 36 | 0.2709 | 0.3202 | 0.3760 | 0.4128 | 0.5126 |
| 37 | 0.2673 | 0.3160 | 0.3712 | 0.4076 | 0.5066 |
| 38 | 0.2638 | 0.3120 | 0.3665 | 0.4026 | 0.5007 |
| 39 | 0.2605 | 0.3081 | 0.3621 | 0.3978 | 0.4950 |
| 40 | 0.2573 | 0.3044 | 0.3578 | 0.3932 | 0.4896 |
| 41 | 0.2542 | 0.3008 | 0.3536 | 0.3887 | 0.4843 |
| 42 | 0.2512 | 0.2973 | 0.3496 | 0.3843 | 0.4791 |
| 43 | 0.2483 | 0.2940 | 0.3457 | 0.3801 | 0.4742 |
| 44 | 0.2455 | 0.2907 | 0.3420 | 0.3761 | 0.4694 |
| 45 | 0.2429 | 0.2876 | 0.3384 | 0.3721 | 0.4647 |
| 46 | 0.2403 | 0.2845 | 0.3348 | 0.3683 | 0.4601 |
| 47 | 0.2377 | 0.2816 | 0.3314 | 0.3646 | 0.4557 |
| 48 | 0.2353 | 0.2787 | 0.3281 | 0.3610 | 0.4514 |
| 49 | 0.2329 | 0.2759 | 0.3249 | 0.3575 | 0.4473 |
| 50 | 0.2306 | 0.2732 | 0.3218 | 0.3542 | 0.4432 |

❖ Tabel Nilai Uji Kritis Kolmogrov-Smirnov

Tabel Nilai Kritis Uji Kolmogorov-Smirnov

Tabel Nilai Kritis Uji Kolmogorov-Smirnov

| n | $\alpha = 0,20$ | $\alpha = 0,10$ | $\alpha = 0,05$ | $\alpha = 0,02$ | $\alpha = 0,01$ |
|-----|-----------------|-----------------|-----------------|-----------------|-----------------|
| 1 | 0,900 | 0,950 | 0,975 | 0,990 | 0,995 |
| 2 | 0,684 | 0,776 | 0,842 | 0,900 | 0,929 |
| 3 | 0,565 | 0,636 | 0,708 | 0,785 | 0,829 |
| 4 | 0,493 | 0,565 | 0,624 | 0,689 | 0,734 |
| 5 | 0,447 | 0,509 | 0,563 | 0,627 | 0,669 |
| 6 | 0,410 | 0,468 | 0,519 | 0,577 | 0,617 |
| 7 | 0,381 | 0,436 | 0,483 | 0,538 | 0,576 |
| 8 | 0,359 | 0,410 | 0,454 | 0,507 | 0,542 |
| 9 | 0,339 | 0,387 | 0,430 | 0,480 | 0,513 |
| 10 | 0,323 | 0,369 | 0,409 | 0,457 | 0,486 |
| 11 | 0,308 | 0,352 | 0,391 | 0,437 | 0,468 |
| 12 | 0,296 | 0,338 | 0,375 | 0,419 | 0,449 |
| 13 | 0,285 | 0,325 | 0,361 | 0,404 | 0,432 |
| 14 | 0,275 | 0,314 | 0,349 | 0,390 | 0,418 |
| 15 | 0,266 | 0,304 | 0,338 | 0,377 | 0,404 |
| 16 | 0,258 | 0,295 | 0,327 | 0,366 | 0,392 |
| 17 | 0,250 | 0,286 | 0,318 | 0,355 | 0,381 |
| 18 | 0,244 | 0,279 | 0,309 | 0,346 | 0,371 |
| 19 | 0,237 | 0,271 | 0,301 | 0,337 | 0,361 |
| 20 | 0,232 | 0,265 | 0,294 | 0,329 | 0,352 |
| 21 | 0,226 | 0,259 | 0,287 | 0,321 | 0,344 |
| 22 | 0,221 | 0,253 | 0,281 | 0,314 | 0,337 |
| 23 | 0,216 | 0,247 | 0,275 | 0,307 | 0,330 |
| 24 | 0,212 | 0,242 | 0,269 | 0,301 | 0,323 |
| 25 | 0,208 | 0,238 | 0,264 | 0,295 | 0,317 |
| 26 | 0,204 | 0,233 | 0,259 | 0,290 | 0,311 |
| 27 | 0,200 | 0,229 | 0,254 | 0,284 | 0,305 |
| 28 | 0,197 | 0,225 | 0,250 | 0,279 | 0,300 |
| 29 | 0,193 | 0,221 | 0,246 | 0,275 | 0,295 |
| 30 | 0,190 | 0,218 | 0,242 | 0,270 | 0,290 |
| 35 | 0,177 | 0,202 | 0,224 | 0,251 | 0,269 |
| 40 | 0,165 | 0,189 | 0,210 | 0,235 | 0,252 |
| 45 | 0,156 | 0,179 | 0,198 | 0,222 | 0,238 |
| 50 | 0,148 | 0,170 | 0,188 | 0,211 | 0,226 |
| 55 | 0,142 | 0,162 | 0,180 | 0,201 | 0,216 |
| 60 | 0,136 | 0,155 | 0,172 | 0,193 | 0,207 |
| 65 | 0,131 | 0,149 | 0,166 | 0,185 | 0,199 |
| 70 | 0,126 | 0,144 | 0,160 | 0,179 | 0,192 |
| 75 | 0,122 | 0,139 | 0,154 | 0,173 | 0,185 |
| 80 | 0,118 | 0,135 | 0,150 | 0,167 | 0,179 |
| 85 | 0,114 | 0,131 | 0,145 | 0,162 | 0,174 |
| 90 | 0,111 | 0,127 | 0,141 | 0,158 | 0,169 |
| 95 | 0,108 | 0,124 | 0,137 | 0,154 | 0,165 |
| 100 | 0,106 | 0,121 | 0,134 | 0,150 | 0,161 |

Pendekatan

| n | $1,07/\sqrt{n}$ | $1,22/\sqrt{n}$ | $1,35/\sqrt{n}$ | $1,52/\sqrt{n}$ | $1,63/\sqrt{n}$ |
|-----|-----------------|-----------------|-----------------|-----------------|-----------------|
| 200 | 0,076 | 0,086 | 0,096 | 0,107 | 0,115 |

❖ Tabel F

Titik Persentase Distribusi F untuk Probabilita = 0,05

| df untuk penyebut (N2) | df untuk pembilang (N1) | | | | | | | | | | | | | | |
|------------------------|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 1 | 161 | 199 | 216 | 225 | 230 | 234 | 237 | 239 | 241 | 242 | 243 | 244 | 245 | 245 | 246 |
| 2 | 18.51 | 19.00 | 19.16 | 19.25 | 19.30 | 19.33 | 19.35 | 19.37 | 19.38 | 19.40 | 19.40 | 19.41 | 19.42 | 19.42 | 19.43 |
| 3 | 10.13 | 9.55 | 9.28 | 9.12 | 9.01 | 8.94 | 8.89 | 8.85 | 8.81 | 8.79 | 8.76 | 8.74 | 8.73 | 8.71 | 8.70 |
| 4 | 7.71 | 6.94 | 6.59 | 6.39 | 6.26 | 6.16 | 6.09 | 6.04 | 6.00 | 5.96 | 5.94 | 5.91 | 5.89 | 5.87 | 5.86 |
| 5 | 6.61 | 5.79 | 5.41 | 5.19 | 5.05 | 4.95 | 4.88 | 4.82 | 4.77 | 4.74 | 4.70 | 4.68 | 4.66 | 4.64 | 4.62 |
| 6 | 5.99 | 5.14 | 4.76 | 4.53 | 4.39 | 4.28 | 4.21 | 4.15 | 4.10 | 4.06 | 4.03 | 4.00 | 3.98 | 3.96 | 3.94 |
| 7 | 5.59 | 4.74 | 4.35 | 4.12 | 3.97 | 3.87 | 3.79 | 3.73 | 3.68 | 3.64 | 3.60 | 3.57 | 3.55 | 3.53 | 3.51 |
| 8 | 5.32 | 4.46 | 4.07 | 3.84 | 3.69 | 3.58 | 3.50 | 3.44 | 3.39 | 3.35 | 3.31 | 3.28 | 3.26 | 3.24 | 3.22 |
| 9 | 5.12 | 4.26 | 3.86 | 3.63 | 3.48 | 3.37 | 3.29 | 3.23 | 3.18 | 3.14 | 3.10 | 3.07 | 3.05 | 3.03 | 3.01 |
| 10 | 4.96 | 4.10 | 3.71 | 3.48 | 3.33 | 3.22 | 3.14 | 3.07 | 3.02 | 2.98 | 2.94 | 2.91 | 2.89 | 2.86 | 2.85 |
| 11 | 4.84 | 3.98 | 3.59 | 3.36 | 3.20 | 3.09 | 3.01 | 2.95 | 2.90 | 2.85 | 2.82 | 2.79 | 2.76 | 2.74 | 2.72 |
| 12 | 4.75 | 3.89 | 3.49 | 3.26 | 3.11 | 3.00 | 2.91 | 2.85 | 2.80 | 2.75 | 2.72 | 2.69 | 2.66 | 2.64 | 2.62 |
| 13 | 4.67 | 3.81 | 3.41 | 3.18 | 3.03 | 2.92 | 2.83 | 2.77 | 2.71 | 2.67 | 2.63 | 2.60 | 2.58 | 2.55 | 2.53 |
| 14 | 4.60 | 3.74 | 3.34 | 3.11 | 2.96 | 2.85 | 2.76 | 2.70 | 2.65 | 2.60 | 2.57 | 2.53 | 2.51 | 2.48 | 2.46 |
| 15 | 4.54 | 3.68 | 3.29 | 3.06 | 2.90 | 2.79 | 2.71 | 2.64 | 2.59 | 2.54 | 2.51 | 2.48 | 2.45 | 2.42 | 2.40 |
| 16 | 4.49 | 3.63 | 3.24 | 3.01 | 2.85 | 2.74 | 2.66 | 2.59 | 2.54 | 2.49 | 2.46 | 2.42 | 2.40 | 2.37 | 2.35 |
| 17 | 4.45 | 3.59 | 3.20 | 2.96 | 2.81 | 2.70 | 2.61 | 2.55 | 2.49 | 2.45 | 2.41 | 2.38 | 2.35 | 2.33 | 2.31 |
| 18 | 4.41 | 3.55 | 3.16 | 2.93 | 2.77 | 2.66 | 2.58 | 2.51 | 2.46 | 2.41 | 2.37 | 2.34 | 2.31 | 2.29 | 2.27 |
| 19 | 4.38 | 3.52 | 3.13 | 2.90 | 2.74 | 2.63 | 2.54 | 2.48 | 2.42 | 2.38 | 2.34 | 2.31 | 2.28 | 2.26 | 2.23 |
| 20 | 4.35 | 3.49 | 3.10 | 2.87 | 2.71 | 2.60 | 2.51 | 2.45 | 2.39 | 2.35 | 2.31 | 2.28 | 2.25 | 2.22 | 2.20 |
| 21 | 4.32 | 3.47 | 3.07 | 2.84 | 2.68 | 2.57 | 2.49 | 2.42 | 2.37 | 2.32 | 2.28 | 2.25 | 2.22 | 2.20 | 2.18 |
| 22 | 4.30 | 3.44 | 3.05 | 2.82 | 2.66 | 2.55 | 2.46 | 2.40 | 2.34 | 2.30 | 2.26 | 2.23 | 2.20 | 2.17 | 2.15 |
| 23 | 4.28 | 3.42 | 3.03 | 2.80 | 2.64 | 2.53 | 2.44 | 2.37 | 2.32 | 2.27 | 2.24 | 2.20 | 2.18 | 2.15 | 2.13 |
| 24 | 4.26 | 3.40 | 3.01 | 2.78 | 2.62 | 2.51 | 2.42 | 2.36 | 2.30 | 2.25 | 2.22 | 2.18 | 2.15 | 2.13 | 2.11 |
| 25 | 4.24 | 3.39 | 2.99 | 2.76 | 2.60 | 2.49 | 2.40 | 2.34 | 2.28 | 2.24 | 2.20 | 2.16 | 2.14 | 2.11 | 2.09 |
| 26 | 4.23 | 3.37 | 2.98 | 2.74 | 2.59 | 2.47 | 2.39 | 2.32 | 2.27 | 2.22 | 2.18 | 2.15 | 2.12 | 2.09 | 2.07 |
| 27 | 4.21 | 3.35 | 2.96 | 2.73 | 2.57 | 2.46 | 2.37 | 2.31 | 2.25 | 2.20 | 2.17 | 2.13 | 2.10 | 2.08 | 2.06 |
| 28 | 4.20 | 3.34 | 2.95 | 2.71 | 2.56 | 2.45 | 2.36 | 2.29 | 2.24 | 2.19 | 2.15 | 2.12 | 2.09 | 2.06 | 2.04 |
| 29 | 4.18 | 3.33 | 2.93 | 2.70 | 2.55 | 2.43 | 2.35 | 2.28 | 2.22 | 2.18 | 2.14 | 2.10 | 2.08 | 2.05 | 2.03 |
| 30 | 4.17 | 3.32 | 2.92 | 2.69 | 2.53 | 2.42 | 2.33 | 2.27 | 2.21 | 2.16 | 2.13 | 2.09 | 2.06 | 2.04 | 2.01 |
| 31 | 4.16 | 3.30 | 2.91 | 2.68 | 2.52 | 2.41 | 2.32 | 2.25 | 2.20 | 2.15 | 2.11 | 2.08 | 2.05 | 2.03 | 2.00 |
| 32 | 4.15 | 3.29 | 2.90 | 2.67 | 2.51 | 2.40 | 2.31 | 2.24 | 2.19 | 2.14 | 2.10 | 2.07 | 2.04 | 2.01 | 1.99 |
| 33 | 4.14 | 3.28 | 2.89 | 2.66 | 2.50 | 2.39 | 2.30 | 2.23 | 2.18 | 2.13 | 2.09 | 2.06 | 2.03 | 2.00 | 1.98 |
| 34 | 4.13 | 3.28 | 2.88 | 2.65 | 2.49 | 2.38 | 2.29 | 2.23 | 2.17 | 2.12 | 2.08 | 2.05 | 2.02 | 1.99 | 1.97 |
| 35 | 4.12 | 3.27 | 2.87 | 2.64 | 2.49 | 2.37 | 2.29 | 2.22 | 2.16 | 2.11 | 2.07 | 2.04 | 2.01 | 1.99 | 1.96 |
| 36 | 4.11 | 3.26 | 2.87 | 2.63 | 2.48 | 2.36 | 2.28 | 2.21 | 2.15 | 2.11 | 2.07 | 2.03 | 2.00 | 1.98 | 1.95 |
| 37 | 4.11 | 3.25 | 2.86 | 2.63 | 2.47 | 2.36 | 2.27 | 2.20 | 2.14 | 2.10 | 2.06 | 2.02 | 2.00 | 1.97 | 1.95 |
| 38 | 4.10 | 3.24 | 2.85 | 2.62 | 2.46 | 2.35 | 2.26 | 2.19 | 2.14 | 2.09 | 2.05 | 2.02 | 1.99 | 1.96 | 1.94 |
| 39 | 4.09 | 3.24 | 2.85 | 2.61 | 2.46 | 2.34 | 2.26 | 2.19 | 2.13 | 2.08 | 2.04 | 2.01 | 1.98 | 1.95 | 1.93 |
| 40 | 4.08 | 3.23 | 2.84 | 2.61 | 2.45 | 2.34 | 2.25 | 2.18 | 2.12 | 2.08 | 2.04 | 2.00 | 1.97 | 1.95 | 1.92 |
| 41 | 4.08 | 3.23 | 2.83 | 2.60 | 2.44 | 2.33 | 2.24 | 2.17 | 2.12 | 2.07 | 2.03 | 2.00 | 1.97 | 1.94 | 1.92 |
| 42 | 4.07 | 3.22 | 2.83 | 2.59 | 2.44 | 2.32 | 2.24 | 2.17 | 2.11 | 2.06 | 2.03 | 1.99 | 1.96 | 1.94 | 1.91 |
| 43 | 4.07 | 3.21 | 2.82 | 2.59 | 2.43 | 2.32 | 2.23 | 2.16 | 2.11 | 2.06 | 2.02 | 1.99 | 1.96 | 1.93 | 1.91 |
| 44 | 4.06 | 3.21 | 2.82 | 2.58 | 2.43 | 2.31 | 2.23 | 2.16 | 2.10 | 2.05 | 2.01 | 1.98 | 1.95 | 1.92 | 1.90 |
| 45 | 4.06 | 3.20 | 2.81 | 2.58 | 2.42 | 2.31 | 2.22 | 2.15 | 2.10 | 2.05 | 2.01 | 1.97 | 1.94 | 1.92 | 1.89 |

Titik Persentase Distribusi F untuk Probabilita = 0,05

| df untuk penyebut (N2) | df untuk pembilang (N1) | | | | | | | | | | | | | | |
|------------------------|-------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 46 | 4.05 | 3.20 | 2.81 | 2.57 | 2.42 | 2.30 | 2.22 | 2.15 | 2.09 | 2.04 | 2.00 | 1.97 | 1.94 | 1.91 | 1.89 |
| 47 | 4.05 | 3.20 | 2.80 | 2.57 | 2.41 | 2.30 | 2.21 | 2.14 | 2.09 | 2.04 | 2.00 | 1.96 | 1.93 | 1.91 | 1.88 |
| 48 | 4.04 | 3.19 | 2.80 | 2.57 | 2.41 | 2.29 | 2.21 | 2.14 | 2.08 | 2.03 | 1.99 | 1.96 | 1.93 | 1.90 | 1.88 |
| 49 | 4.04 | 3.19 | 2.79 | 2.56 | 2.40 | 2.29 | 2.20 | 2.13 | 2.08 | 2.03 | 1.99 | 1.96 | 1.93 | 1.90 | 1.88 |
| 50 | 4.03 | 3.18 | 2.79 | 2.56 | 2.40 | 2.29 | 2.20 | 2.13 | 2.07 | 2.03 | 1.99 | 1.95 | 1.92 | 1.89 | 1.87 |
| 51 | 4.03 | 3.18 | 2.79 | 2.55 | 2.40 | 2.28 | 2.20 | 2.13 | 2.07 | 2.02 | 1.98 | 1.95 | 1.92 | 1.89 | 1.87 |
| 52 | 4.03 | 3.18 | 2.78 | 2.55 | 2.39 | 2.28 | 2.19 | 2.12 | 2.07 | 2.02 | 1.98 | 1.94 | 1.91 | 1.89 | 1.86 |
| 53 | 4.02 | 3.17 | 2.78 | 2.55 | 2.39 | 2.28 | 2.19 | 2.12 | 2.06 | 2.01 | 1.97 | 1.94 | 1.91 | 1.88 | 1.86 |
| 54 | 4.02 | 3.17 | 2.78 | 2.54 | 2.39 | 2.27 | 2.18 | 2.12 | 2.06 | 2.01 | 1.97 | 1.94 | 1.91 | 1.88 | 1.86 |
| 55 | 4.02 | 3.16 | 2.77 | 2.54 | 2.38 | 2.27 | 2.18 | 2.11 | 2.06 | 2.01 | 1.97 | 1.93 | 1.90 | 1.88 | 1.85 |
| 56 | 4.01 | 3.16 | 2.77 | 2.54 | 2.38 | 2.27 | 2.18 | 2.11 | 2.05 | 2.00 | 1.96 | 1.93 | 1.90 | 1.87 | 1.85 |
| 57 | 4.01 | 3.16 | 2.77 | 2.53 | 2.38 | 2.26 | 2.18 | 2.11 | 2.05 | 2.00 | 1.96 | 1.93 | 1.90 | 1.87 | 1.85 |
| 58 | 4.01 | 3.16 | 2.76 | 2.53 | 2.37 | 2.26 | 2.17 | 2.10 | 2.05 | 2.00 | 1.96 | 1.92 | 1.89 | 1.87 | 1.84 |
| 59 | 4.00 | 3.15 | 2.76 | 2.53 | 2.37 | 2.26 | 2.17 | 2.10 | 2.04 | 2.00 | 1.96 | 1.92 | 1.89 | 1.86 | 1.84 |
| 60 | 4.00 | 3.15 | 2.76 | 2.53 | 2.37 | 2.25 | 2.17 | 2.10 | 2.04 | 1.99 | 1.95 | 1.92 | 1.89 | 1.86 | 1.84 |
| 61 | 4.00 | 3.15 | 2.76 | 2.52 | 2.37 | 2.25 | 2.16 | 2.09 | 2.04 | 1.99 | 1.95 | 1.91 | 1.88 | 1.86 | 1.83 |
| 62 | 4.00 | 3.15 | 2.75 | 2.52 | 2.36 | 2.25 | 2.16 | 2.09 | 2.03 | 1.99 | 1.95 | 1.91 | 1.88 | 1.85 | 1.83 |
| 63 | 3.99 | 3.14 | 2.75 | 2.52 | 2.36 | 2.25 | 2.16 | 2.09 | 2.03 | 1.98 | 1.94 | 1.91 | 1.88 | 1.85 | 1.83 |
| 64 | 3.99 | 3.14 | 2.75 | 2.52 | 2.36 | 2.24 | 2.16 | 2.09 | 2.03 | 1.98 | 1.94 | 1.91 | 1.88 | 1.85 | 1.83 |
| 65 | 3.99 | 3.14 | 2.75 | 2.51 | 2.36 | 2.24 | 2.15 | 2.08 | 2.03 | 1.98 | 1.94 | 1.90 | 1.87 | 1.85 | 1.82 |
| 66 | 3.99 | 3.14 | 2.74 | 2.51 | 2.35 | 2.24 | 2.15 | 2.08 | 2.03 | 1.98 | 1.94 | 1.90 | 1.87 | 1.84 | 1.82 |
| 67 | 3.98 | 3.13 | 2.74 | 2.51 | 2.35 | 2.24 | 2.15 | 2.08 | 2.02 | 1.98 | 1.93 | 1.90 | 1.87 | 1.84 | 1.82 |
| 68 | 3.98 | 3.13 | 2.74 | 2.51 | 2.35 | 2.24 | 2.15 | 2.08 | 2.02 | 1.97 | 1.93 | 1.90 | 1.87 | 1.84 | 1.82 |
| 69 | 3.98 | 3.13 | 2.74 | 2.50 | 2.35 | 2.23 | 2.15 | 2.08 | 2.02 | 1.97 | 1.93 | 1.90 | 1.86 | 1.84 | 1.81 |
| 70 | 3.98 | 3.13 | 2.74 | 2.50 | 2.35 | 2.23 | 2.14 | 2.07 | 2.02 | 1.97 | 1.93 | 1.89 | 1.86 | 1.84 | 1.81 |
| 71 | 3.98 | 3.13 | 2.73 | 2.50 | 2.34 | 2.23 | 2.14 | 2.07 | 2.01 | 1.97 | 1.93 | 1.89 | 1.86 | 1.83 | 1.81 |
| 72 | 3.97 | 3.12 | 2.73 | 2.50 | 2.34 | 2.23 | 2.14 | 2.07 | 2.01 | 1.96 | 1.92 | 1.89 | 1.86 | 1.83 | 1.81 |
| 73 | 3.97 | 3.12 | 2.73 | 2.50 | 2.34 | 2.23 | 2.14 | 2.07 | 2.01 | 1.96 | 1.92 | 1.89 | 1.86 | 1.83 | 1.81 |
| 74 | 3.97 | 3.12 | 2.73 | 2.50 | 2.34 | 2.22 | 2.14 | 2.07 | 2.01 | 1.96 | 1.92 | 1.89 | 1.85 | 1.83 | 1.80 |
| 75 | 3.97 | 3.12 | 2.73 | 2.49 | 2.34 | 2.22 | 2.13 | 2.06 | 2.01 | 1.96 | 1.92 | 1.88 | 1.85 | 1.83 | 1.80 |
| 76 | 3.97 | 3.12 | 2.72 | 2.49 | 2.33 | 2.22 | 2.13 | 2.06 | 2.01 | 1.96 | 1.92 | 1.88 | 1.85 | 1.82 | 1.80 |
| 77 | 3.97 | 3.12 | 2.72 | 2.49 | 2.33 | 2.22 | 2.13 | 2.06 | 2.00 | 1.96 | 1.92 | 1.88 | 1.85 | 1.82 | 1.80 |
| 78 | 3.96 | 3.11 | 2.72 | 2.49 | 2.33 | 2.22 | 2.13 | 2.06 | 2.00 | 1.95 | 1.91 | 1.88 | 1.85 | 1.82 | 1.80 |
| 79 | 3.96 | 3.11 | 2.72 | 2.49 | 2.33 | 2.22 | 2.13 | 2.06 | 2.00 | 1.95 | 1.91 | 1.88 | 1.85 | 1.82 | 1.79 |
| 80 | 3.96 | 3.11 | 2.72 | 2.49 | 2.33 | 2.21 | 2.13 | 2.06 | 2.00 | 1.95 | 1.91 | 1.88 | 1.84 | 1.82 | 1.79 |
| 81 | 3.96 | 3.11 | 2.72 | 2.48 | 2.33 | 2.21 | 2.12 | 2.05 | 2.00 | 1.95 | 1.91 | 1.87 | 1.84 | 1.82 | 1.79 |
| 82 | 3.96 | 3.11 | 2.72 | 2.48 | 2.33 | 2.21 | 2.12 | 2.05 | 2.00 | 1.95 | 1.91 | 1.87 | 1.84 | 1.81 | 1.79 |
| 83 | 3.96 | 3.11 | 2.71 | 2.48 | 2.32 | 2.21 | 2.12 | 2.05 | 1.99 | 1.95 | 1.91 | 1.87 | 1.84 | 1.81 | 1.79 |
| 84 | 3.95 | 3.11 | 2.71 | 2.48 | 2.32 | 2.21 | 2.12 | 2.05 | 1.99 | 1.95 | 1.90 | 1.87 | 1.84 | 1.81 | 1.79 |
| 85 | 3.95 | 3.10 | 2.71 | 2.48 | 2.32 | 2.21 | 2.12 | 2.05 | 1.99 | 1.94 | 1.90 | 1.87 | 1.84 | 1.81 | 1.79 |
| 86 | 3.95 | 3.10 | 2.71 | 2.48 | 2.32 | 2.21 | 2.12 | 2.05 | 1.99 | 1.94 | 1.90 | 1.87 | 1.84 | 1.81 | 1.78 |
| 87 | 3.95 | 3.10 | 2.71 | 2.48 | 2.32 | 2.20 | 2.12 | 2.05 | 1.99 | 1.94 | 1.90 | 1.87 | 1.83 | 1.81 | 1.78 |
| 88 | 3.95 | 3.10 | 2.71 | 2.48 | 2.32 | 2.20 | 2.12 | 2.05 | 1.99 | 1.94 | 1.90 | 1.86 | 1.83 | 1.81 | 1.78 |
| 89 | 3.95 | 3.10 | 2.71 | 2.47 | 2.32 | 2.20 | 2.11 | 2.04 | 1.99 | 1.94 | 1.90 | 1.86 | 1.83 | 1.80 | 1.78 |
| 90 | 3.95 | 3.10 | 2.71 | 2.47 | 2.32 | 2.20 | 2.11 | 2.04 | 1.99 | 1.94 | 1.90 | 1.86 | 1.83 | 1.80 | 1.78 |

Titik Persentase Distribusi F untuk Probabilita = 0,05

| df untuk penyebut (N2) | df untuk pembilang (N1) | | | | | | | | | | | | | | |
|------------------------|-------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 91 | 3.95 | 3.10 | 2.70 | 2.47 | 2.31 | 2.20 | 2.11 | 2.04 | 1.98 | 1.94 | 1.90 | 1.86 | 1.83 | 1.80 | 1.78 |
| 92 | 3.94 | 3.10 | 2.70 | 2.47 | 2.31 | 2.20 | 2.11 | 2.04 | 1.98 | 1.94 | 1.89 | 1.86 | 1.83 | 1.80 | 1.78 |
| 93 | 3.94 | 3.09 | 2.70 | 2.47 | 2.31 | 2.20 | 2.11 | 2.04 | 1.98 | 1.93 | 1.89 | 1.86 | 1.83 | 1.80 | 1.78 |
| 94 | 3.94 | 3.09 | 2.70 | 2.47 | 2.31 | 2.20 | 2.11 | 2.04 | 1.98 | 1.93 | 1.89 | 1.86 | 1.83 | 1.80 | 1.77 |
| 95 | 3.94 | 3.09 | 2.70 | 2.47 | 2.31 | 2.20 | 2.11 | 2.04 | 1.98 | 1.93 | 1.89 | 1.86 | 1.82 | 1.80 | 1.77 |
| 96 | 3.94 | 3.09 | 2.70 | 2.47 | 2.31 | 2.19 | 2.11 | 2.04 | 1.98 | 1.93 | 1.89 | 1.85 | 1.82 | 1.80 | 1.77 |
| 97 | 3.94 | 3.09 | 2.70 | 2.47 | 2.31 | 2.19 | 2.11 | 2.04 | 1.98 | 1.93 | 1.89 | 1.85 | 1.82 | 1.80 | 1.77 |
| 98 | 3.94 | 3.09 | 2.70 | 2.46 | 2.31 | 2.19 | 2.10 | 2.03 | 1.98 | 1.93 | 1.89 | 1.85 | 1.82 | 1.79 | 1.77 |
| 99 | 3.94 | 3.09 | 2.70 | 2.46 | 2.31 | 2.19 | 2.10 | 2.03 | 1.98 | 1.93 | 1.89 | 1.85 | 1.82 | 1.79 | 1.77 |
| 100 | 3.94 | 3.09 | 2.70 | 2.46 | 2.31 | 2.19 | 2.10 | 2.03 | 1.97 | 1.93 | 1.89 | 1.85 | 1.82 | 1.79 | 1.77 |
| 101 | 3.94 | 3.09 | 2.69 | 2.46 | 2.30 | 2.19 | 2.10 | 2.03 | 1.97 | 1.93 | 1.88 | 1.85 | 1.82 | 1.79 | 1.77 |
| 102 | 3.93 | 3.09 | 2.69 | 2.46 | 2.30 | 2.19 | 2.10 | 2.03 | 1.97 | 1.92 | 1.88 | 1.85 | 1.82 | 1.79 | 1.77 |
| 103 | 3.93 | 3.08 | 2.69 | 2.46 | 2.30 | 2.19 | 2.10 | 2.03 | 1.97 | 1.92 | 1.88 | 1.85 | 1.82 | 1.79 | 1.76 |
| 104 | 3.93 | 3.08 | 2.69 | 2.46 | 2.30 | 2.19 | 2.10 | 2.03 | 1.97 | 1.92 | 1.88 | 1.85 | 1.82 | 1.79 | 1.76 |
| 105 | 3.93 | 3.08 | 2.69 | 2.46 | 2.30 | 2.19 | 2.10 | 2.03 | 1.97 | 1.92 | 1.88 | 1.85 | 1.81 | 1.79 | 1.76 |
| 106 | 3.93 | 3.08 | 2.69 | 2.46 | 2.30 | 2.19 | 2.10 | 2.03 | 1.97 | 1.92 | 1.88 | 1.84 | 1.81 | 1.79 | 1.76 |
| 107 | 3.93 | 3.08 | 2.69 | 2.46 | 2.30 | 2.18 | 2.10 | 2.03 | 1.97 | 1.92 | 1.88 | 1.84 | 1.81 | 1.79 | 1.76 |
| 108 | 3.93 | 3.08 | 2.69 | 2.46 | 2.30 | 2.18 | 2.10 | 2.03 | 1.97 | 1.92 | 1.88 | 1.84 | 1.81 | 1.78 | 1.76 |
| 109 | 3.93 | 3.08 | 2.69 | 2.45 | 2.30 | 2.18 | 2.09 | 2.02 | 1.97 | 1.92 | 1.88 | 1.84 | 1.81 | 1.78 | 1.76 |
| 110 | 3.93 | 3.08 | 2.69 | 2.45 | 2.30 | 2.18 | 2.09 | 2.02 | 1.97 | 1.92 | 1.88 | 1.84 | 1.81 | 1.78 | 1.76 |
| 111 | 3.93 | 3.08 | 2.69 | 2.45 | 2.30 | 2.18 | 2.09 | 2.02 | 1.97 | 1.92 | 1.88 | 1.84 | 1.81 | 1.78 | 1.76 |
| 112 | 3.93 | 3.08 | 2.69 | 2.45 | 2.30 | 2.18 | 2.09 | 2.02 | 1.96 | 1.92 | 1.88 | 1.84 | 1.81 | 1.78 | 1.76 |
| 113 | 3.93 | 3.08 | 2.68 | 2.45 | 2.29 | 2.18 | 2.09 | 2.02 | 1.96 | 1.92 | 1.87 | 1.84 | 1.81 | 1.78 | 1.76 |
| 114 | 3.92 | 3.08 | 2.68 | 2.45 | 2.29 | 2.18 | 2.09 | 2.02 | 1.96 | 1.91 | 1.87 | 1.84 | 1.81 | 1.78 | 1.75 |
| 115 | 3.92 | 3.08 | 2.68 | 2.45 | 2.29 | 2.18 | 2.09 | 2.02 | 1.96 | 1.91 | 1.87 | 1.84 | 1.81 | 1.78 | 1.75 |
| 116 | 3.92 | 3.07 | 2.68 | 2.45 | 2.29 | 2.18 | 2.09 | 2.02 | 1.96 | 1.91 | 1.87 | 1.84 | 1.81 | 1.78 | 1.75 |
| 117 | 3.92 | 3.07 | 2.68 | 2.45 | 2.29 | 2.18 | 2.09 | 2.02 | 1.96 | 1.91 | 1.87 | 1.84 | 1.80 | 1.78 | 1.75 |
| 118 | 3.92 | 3.07 | 2.68 | 2.45 | 2.29 | 2.18 | 2.09 | 2.02 | 1.96 | 1.91 | 1.87 | 1.84 | 1.80 | 1.78 | 1.75 |
| 119 | 3.92 | 3.07 | 2.68 | 2.45 | 2.29 | 2.18 | 2.09 | 2.02 | 1.96 | 1.91 | 1.87 | 1.83 | 1.80 | 1.78 | 1.75 |
| 120 | 3.92 | 3.07 | 2.68 | 2.45 | 2.29 | 2.18 | 2.09 | 2.02 | 1.96 | 1.91 | 1.87 | 1.83 | 1.80 | 1.78 | 1.75 |
| 121 | 3.92 | 3.07 | 2.68 | 2.45 | 2.29 | 2.17 | 2.09 | 2.02 | 1.96 | 1.91 | 1.87 | 1.83 | 1.80 | 1.77 | 1.75 |
| 122 | 3.92 | 3.07 | 2.68 | 2.45 | 2.29 | 2.17 | 2.09 | 2.02 | 1.96 | 1.91 | 1.87 | 1.83 | 1.80 | 1.77 | 1.75 |
| 123 | 3.92 | 3.07 | 2.68 | 2.45 | 2.29 | 2.17 | 2.08 | 2.01 | 1.96 | 1.91 | 1.87 | 1.83 | 1.80 | 1.77 | 1.75 |
| 124 | 3.92 | 3.07 | 2.68 | 2.44 | 2.29 | 2.17 | 2.08 | 2.01 | 1.96 | 1.91 | 1.87 | 1.83 | 1.80 | 1.77 | 1.75 |
| 125 | 3.92 | 3.07 | 2.68 | 2.44 | 2.29 | 2.17 | 2.08 | 2.01 | 1.96 | 1.91 | 1.87 | 1.83 | 1.80 | 1.77 | 1.75 |
| 126 | 3.92 | 3.07 | 2.68 | 2.44 | 2.29 | 2.17 | 2.08 | 2.01 | 1.95 | 1.91 | 1.87 | 1.83 | 1.80 | 1.77 | 1.75 |
| 127 | 3.92 | 3.07 | 2.68 | 2.44 | 2.29 | 2.17 | 2.08 | 2.01 | 1.95 | 1.91 | 1.86 | 1.83 | 1.80 | 1.77 | 1.75 |
| 128 | 3.92 | 3.07 | 2.68 | 2.44 | 2.29 | 2.17 | 2.08 | 2.01 | 1.95 | 1.91 | 1.86 | 1.83 | 1.80 | 1.77 | 1.75 |
| 129 | 3.91 | 3.07 | 2.67 | 2.44 | 2.28 | 2.17 | 2.08 | 2.01 | 1.95 | 1.90 | 1.86 | 1.83 | 1.80 | 1.77 | 1.74 |
| 130 | 3.91 | 3.07 | 2.67 | 2.44 | 2.28 | 2.17 | 2.08 | 2.01 | 1.95 | 1.90 | 1.86 | 1.83 | 1.80 | 1.77 | 1.74 |
| 131 | 3.91 | 3.07 | 2.67 | 2.44 | 2.28 | 2.17 | 2.08 | 2.01 | 1.95 | 1.90 | 1.86 | 1.83 | 1.80 | 1.77 | 1.74 |
| 132 | 3.91 | 3.06 | 2.67 | 2.44 | 2.28 | 2.17 | 2.08 | 2.01 | 1.95 | 1.90 | 1.86 | 1.83 | 1.79 | 1.77 | 1.74 |
| 133 | 3.91 | 3.06 | 2.67 | 2.44 | 2.28 | 2.17 | 2.08 | 2.01 | 1.95 | 1.90 | 1.86 | 1.83 | 1.79 | 1.77 | 1.74 |
| 134 | 3.91 | 3.06 | 2.67 | 2.44 | 2.28 | 2.17 | 2.08 | 2.01 | 1.95 | 1.90 | 1.86 | 1.83 | 1.79 | 1.77 | 1.74 |
| 135 | 3.91 | 3.06 | 2.67 | 2.44 | 2.28 | 2.17 | 2.08 | 2.01 | 1.95 | 1.90 | 1.86 | 1.82 | 1.79 | 1.77 | 1.74 |

❖ Tabel t

Titik Persentase Distribusi t (df = 1 – 40)

| df | Pr | 0.25 | 0.10 | 0.05 | 0.025 | 0.01 | 0.005 | 0.001 |
|----|----|---------|---------|---------|----------|----------|----------|-----------|
| | | 0.50 | 0.20 | 0.10 | 0.050 | 0.02 | 0.010 | 0.002 |
| 1 | | 1.00000 | 3.07768 | 6.31375 | 12.70620 | 31.82052 | 63.65674 | 318.30884 |
| 2 | | 0.81650 | 1.88562 | 2.91999 | 4.30265 | 6.96456 | 9.92484 | 22.32712 |
| 3 | | 0.76489 | 1.63774 | 2.35336 | 3.18245 | 4.54070 | 5.84091 | 10.21453 |
| 4 | | 0.74070 | 1.53321 | 2.13185 | 2.77645 | 3.74695 | 4.60409 | 7.17318 |
| 5 | | 0.72669 | 1.47588 | 2.01505 | 2.57058 | 3.36493 | 4.03214 | 5.89343 |
| 6 | | 0.71756 | 1.43976 | 1.94318 | 2.44691 | 3.14267 | 3.70743 | 5.20763 |
| 7 | | 0.71114 | 1.41492 | 1.89458 | 2.36462 | 2.99795 | 3.49948 | 4.78529 |
| 8 | | 0.70639 | 1.39682 | 1.85955 | 2.30600 | 2.89646 | 3.35539 | 4.50079 |
| 9 | | 0.70272 | 1.38303 | 1.83311 | 2.26216 | 2.82144 | 3.24984 | 4.29681 |
| 10 | | 0.69981 | 1.37218 | 1.81246 | 2.22814 | 2.76377 | 3.16927 | 4.14370 |
| 11 | | 0.69745 | 1.36343 | 1.79588 | 2.20099 | 2.71808 | 3.10581 | 4.02470 |
| 12 | | 0.69548 | 1.35622 | 1.78229 | 2.17881 | 2.68100 | 3.05454 | 3.92963 |
| 13 | | 0.69383 | 1.35017 | 1.77093 | 2.16037 | 2.65031 | 3.01228 | 3.85198 |
| 14 | | 0.69242 | 1.34503 | 1.76131 | 2.14479 | 2.62449 | 2.97684 | 3.78739 |
| 15 | | 0.69120 | 1.34061 | 1.75305 | 2.13145 | 2.60248 | 2.94671 | 3.73283 |
| 16 | | 0.69013 | 1.33676 | 1.74588 | 2.11991 | 2.58349 | 2.92078 | 3.68615 |
| 17 | | 0.68920 | 1.33338 | 1.73961 | 2.10982 | 2.56693 | 2.89823 | 3.64577 |
| 18 | | 0.68836 | 1.33039 | 1.73406 | 2.10092 | 2.55238 | 2.87844 | 3.61048 |
| 19 | | 0.68762 | 1.32773 | 1.72913 | 2.09302 | 2.53948 | 2.86093 | 3.57940 |
| 20 | | 0.68695 | 1.32534 | 1.72472 | 2.08596 | 2.52798 | 2.84534 | 3.55181 |
| 21 | | 0.68635 | 1.32319 | 1.72074 | 2.07961 | 2.51765 | 2.83136 | 3.52715 |
| 22 | | 0.68581 | 1.32124 | 1.71714 | 2.07387 | 2.50832 | 2.81876 | 3.50499 |
| 23 | | 0.68531 | 1.31946 | 1.71387 | 2.06866 | 2.49987 | 2.80734 | 3.48496 |
| 24 | | 0.68485 | 1.31784 | 1.71088 | 2.06390 | 2.49216 | 2.79694 | 3.46678 |
| 25 | | 0.68443 | 1.31635 | 1.70814 | 2.05954 | 2.48511 | 2.78744 | 3.45019 |
| 26 | | 0.68404 | 1.31497 | 1.70562 | 2.05553 | 2.47863 | 2.77871 | 3.43500 |
| 27 | | 0.68368 | 1.31370 | 1.70329 | 2.05183 | 2.47266 | 2.77068 | 3.42103 |
| 28 | | 0.68335 | 1.31253 | 1.70113 | 2.04841 | 2.46714 | 2.76326 | 3.40816 |
| 29 | | 0.68304 | 1.31143 | 1.69913 | 2.04523 | 2.46202 | 2.75639 | 3.39624 |
| 30 | | 0.68276 | 1.31042 | 1.69726 | 2.04227 | 2.45726 | 2.75000 | 3.38518 |
| 31 | | 0.68249 | 1.30946 | 1.69552 | 2.03951 | 2.45282 | 2.74404 | 3.37490 |
| 32 | | 0.68223 | 1.30857 | 1.69389 | 2.03693 | 2.44868 | 2.73848 | 3.36531 |
| 33 | | 0.68200 | 1.30774 | 1.69236 | 2.03452 | 2.44479 | 2.73328 | 3.35634 |
| 34 | | 0.68177 | 1.30695 | 1.69092 | 2.03224 | 2.44115 | 2.72839 | 3.34793 |
| 35 | | 0.68156 | 1.30621 | 1.68957 | 2.03011 | 2.43772 | 2.72381 | 3.34005 |
| 36 | | 0.68137 | 1.30551 | 1.68830 | 2.02809 | 2.43449 | 2.71948 | 3.33262 |
| 37 | | 0.68118 | 1.30485 | 1.68709 | 2.02619 | 2.43145 | 2.71541 | 3.32563 |
| 38 | | 0.68100 | 1.30423 | 1.68595 | 2.02439 | 2.42857 | 2.71156 | 3.31903 |
| 39 | | 0.68083 | 1.30364 | 1.68488 | 2.02269 | 2.42584 | 2.70791 | 3.31279 |
| 40 | | 0.68067 | 1.30308 | 1.68385 | 2.02108 | 2.42326 | 2.70446 | 3.30688 |

Catatan: Probabilita yang lebih kecil yang ditunjukkan pada judul tiap kolom adalah luas daerah dalam satu ujung, sedangkan probabilitas yang lebih besar adalah luas daerah dalam kedua ujung

Titik Persentase Distribusi t (df = 41 – 80)

| Pr df | 0.25 | 0.10 | 0.05 | 0.025 | 0.01 | 0.005 | 0.001 |
|----------|---------|---------|---------|---------|---------|---------|---------|
| | 0.50 | 0.20 | 0.10 | 0.050 | 0.02 | 0.010 | 0.002 |
| 41 | 0.68052 | 1.30254 | 1.68288 | 2.01954 | 2.42080 | 2.70118 | 3.30127 |
| 42 | 0.68038 | 1.30204 | 1.68195 | 2.01808 | 2.41847 | 2.69807 | 3.29595 |
| 43 | 0.68024 | 1.30155 | 1.68107 | 2.01669 | 2.41625 | 2.69510 | 3.29089 |
| 44 | 0.68011 | 1.30109 | 1.68023 | 2.01537 | 2.41413 | 2.69228 | 3.28607 |
| 45 | 0.67998 | 1.30065 | 1.67943 | 2.01410 | 2.41212 | 2.68959 | 3.28148 |
| 46 | 0.67986 | 1.30023 | 1.67866 | 2.01290 | 2.41019 | 2.68701 | 3.27710 |
| 47 | 0.67975 | 1.29982 | 1.67793 | 2.01174 | 2.40835 | 2.68456 | 3.27291 |
| 48 | 0.67964 | 1.29944 | 1.67722 | 2.01063 | 2.40658 | 2.68220 | 3.26891 |
| 49 | 0.67953 | 1.29907 | 1.67655 | 2.00958 | 2.40489 | 2.67995 | 3.26508 |
| 50 | 0.67943 | 1.29871 | 1.67591 | 2.00856 | 2.40327 | 2.67779 | 3.26141 |
| 51 | 0.67933 | 1.29837 | 1.67528 | 2.00758 | 2.40172 | 2.67572 | 3.25789 |
| 52 | 0.67924 | 1.29805 | 1.67469 | 2.00665 | 2.40022 | 2.67373 | 3.25451 |
| 53 | 0.67915 | 1.29773 | 1.67412 | 2.00575 | 2.39879 | 2.67182 | 3.25127 |
| 54 | 0.67906 | 1.29743 | 1.67356 | 2.00488 | 2.39741 | 2.66998 | 3.24815 |
| 55 | 0.67898 | 1.29713 | 1.67303 | 2.00404 | 2.39608 | 2.66822 | 3.24515 |
| 56 | 0.67890 | 1.29685 | 1.67252 | 2.00324 | 2.39480 | 2.66651 | 3.24226 |
| 57 | 0.67882 | 1.29658 | 1.67203 | 2.00247 | 2.39357 | 2.66487 | 3.23948 |
| 58 | 0.67874 | 1.29632 | 1.67155 | 2.00172 | 2.39238 | 2.66329 | 3.23680 |
| 59 | 0.67867 | 1.29607 | 1.67109 | 2.00100 | 2.39123 | 2.66176 | 3.23421 |
| 60 | 0.67860 | 1.29582 | 1.67065 | 2.00030 | 2.39012 | 2.66028 | 3.23171 |
| 61 | 0.67853 | 1.29558 | 1.67022 | 1.99962 | 2.38905 | 2.65886 | 3.22930 |
| 62 | 0.67847 | 1.29536 | 1.66980 | 1.99897 | 2.38801 | 2.65748 | 3.22696 |
| 63 | 0.67840 | 1.29513 | 1.66940 | 1.99834 | 2.38701 | 2.65615 | 3.22471 |
| 64 | 0.67834 | 1.29492 | 1.66901 | 1.99773 | 2.38604 | 2.65485 | 3.22253 |
| 65 | 0.67828 | 1.29471 | 1.66864 | 1.99714 | 2.38510 | 2.65360 | 3.22041 |
| 66 | 0.67823 | 1.29451 | 1.66827 | 1.99656 | 2.38419 | 2.65239 | 3.21837 |
| 67 | 0.67817 | 1.29432 | 1.66792 | 1.99601 | 2.38330 | 2.65122 | 3.21639 |
| 68 | 0.67811 | 1.29413 | 1.66757 | 1.99547 | 2.38245 | 2.65008 | 3.21446 |
| 69 | 0.67806 | 1.29394 | 1.66724 | 1.99495 | 2.38161 | 2.64898 | 3.21260 |
| 70 | 0.67801 | 1.29376 | 1.66691 | 1.99444 | 2.38081 | 2.64790 | 3.21079 |
| 71 | 0.67796 | 1.29359 | 1.66660 | 1.99394 | 2.38002 | 2.64686 | 3.20903 |
| 72 | 0.67791 | 1.29342 | 1.66629 | 1.99346 | 2.37926 | 2.64585 | 3.20733 |
| 73 | 0.67787 | 1.29326 | 1.66600 | 1.99300 | 2.37852 | 2.64487 | 3.20567 |
| 74 | 0.67782 | 1.29310 | 1.66571 | 1.99254 | 2.37780 | 2.64391 | 3.20406 |
| 75 | 0.67778 | 1.29294 | 1.66543 | 1.99210 | 2.37710 | 2.64298 | 3.20249 |
| 76 | 0.67773 | 1.29279 | 1.66515 | 1.99167 | 2.37642 | 2.64208 | 3.20096 |
| 77 | 0.67769 | 1.29264 | 1.66488 | 1.99125 | 2.37576 | 2.64120 | 3.19948 |
| 78 | 0.67765 | 1.29250 | 1.66462 | 1.99085 | 2.37511 | 2.64034 | 3.19804 |
| 79 | 0.67761 | 1.29236 | 1.66437 | 1.99045 | 2.37448 | 2.63950 | 3.19663 |
| 80 | 0.67757 | 1.29222 | 1.66412 | 1.99006 | 2.37387 | 2.63869 | 3.19526 |

Catatan: Probabilita yang lebih kecil yang ditunjukkan pada judul tiap kolom adalah luas daerah dalam satu ujung, sedangkan probabilitas yang lebih besar adalah luas daerah dalam kedua ujung

Titik Persentase Distribusi t (df = 81 –120)

| Pr df | 0.25 | 0.10 | 0.05 | 0.025 | 0.01 | 0.005 | 0.001 |
|----------|---------|---------|---------|---------|---------|---------|---------|
| | 0.50 | 0.20 | 0.10 | 0.050 | 0.02 | 0.010 | 0.002 |
| 81 | 0.67753 | 1.29209 | 1.66388 | 1.98969 | 2.37327 | 2.63790 | 3.19392 |
| 82 | 0.67749 | 1.29196 | 1.66365 | 1.98932 | 2.37269 | 2.63712 | 3.19262 |
| 83 | 0.67746 | 1.29183 | 1.66342 | 1.98896 | 2.37212 | 2.63637 | 3.19135 |
| 84 | 0.67742 | 1.29171 | 1.66320 | 1.98861 | 2.37156 | 2.63563 | 3.19011 |
| 85 | 0.67739 | 1.29159 | 1.66298 | 1.98827 | 2.37102 | 2.63491 | 3.18890 |
| 86 | 0.67735 | 1.29147 | 1.66277 | 1.98793 | 2.37049 | 2.63421 | 3.18772 |
| 87 | 0.67732 | 1.29136 | 1.66256 | 1.98761 | 2.36998 | 2.63353 | 3.18657 |
| 88 | 0.67729 | 1.29125 | 1.66235 | 1.98729 | 2.36947 | 2.63286 | 3.18544 |
| 89 | 0.67726 | 1.29114 | 1.66216 | 1.98698 | 2.36898 | 2.63220 | 3.18434 |
| 90 | 0.67723 | 1.29103 | 1.66196 | 1.98667 | 2.36850 | 2.63157 | 3.18327 |
| 91 | 0.67720 | 1.29092 | 1.66177 | 1.98638 | 2.36803 | 2.63094 | 3.18222 |
| 92 | 0.67717 | 1.29082 | 1.66159 | 1.98609 | 2.36757 | 2.63033 | 3.18119 |
| 93 | 0.67714 | 1.29072 | 1.66140 | 1.98580 | 2.36712 | 2.62973 | 3.18019 |
| 94 | 0.67711 | 1.29062 | 1.66123 | 1.98552 | 2.36667 | 2.62915 | 3.17921 |
| 95 | 0.67708 | 1.29053 | 1.66105 | 1.98525 | 2.36624 | 2.62858 | 3.17825 |
| 96 | 0.67705 | 1.29043 | 1.66088 | 1.98498 | 2.36582 | 2.62802 | 3.17731 |
| 97 | 0.67703 | 1.29034 | 1.66071 | 1.98472 | 2.36541 | 2.62747 | 3.17639 |
| 98 | 0.67700 | 1.29025 | 1.66055 | 1.98447 | 2.36500 | 2.62693 | 3.17549 |
| 99 | 0.67698 | 1.29016 | 1.66039 | 1.98422 | 2.36461 | 2.62641 | 3.17460 |
| 100 | 0.67695 | 1.29007 | 1.66023 | 1.98397 | 2.36422 | 2.62589 | 3.17374 |
| 101 | 0.67693 | 1.28999 | 1.66008 | 1.98373 | 2.36384 | 2.62539 | 3.17289 |
| 102 | 0.67690 | 1.28991 | 1.65993 | 1.98350 | 2.36346 | 2.62489 | 3.17206 |
| 103 | 0.67688 | 1.28982 | 1.65978 | 1.98326 | 2.36310 | 2.62441 | 3.17125 |
| 104 | 0.67686 | 1.28974 | 1.65964 | 1.98304 | 2.36274 | 2.62393 | 3.17045 |
| 105 | 0.67683 | 1.28967 | 1.65950 | 1.98282 | 2.36239 | 2.62347 | 3.16967 |
| 106 | 0.67681 | 1.28959 | 1.65936 | 1.98260 | 2.36204 | 2.62301 | 3.16890 |
| 107 | 0.67679 | 1.28951 | 1.65922 | 1.98238 | 2.36170 | 2.62256 | 3.16815 |
| 108 | 0.67677 | 1.28944 | 1.65909 | 1.98217 | 2.36137 | 2.62212 | 3.16741 |
| 109 | 0.67675 | 1.28937 | 1.65895 | 1.98197 | 2.36105 | 2.62169 | 3.16669 |
| 110 | 0.67673 | 1.28930 | 1.65882 | 1.98177 | 2.36073 | 2.62126 | 3.16598 |
| 111 | 0.67671 | 1.28922 | 1.65870 | 1.98157 | 2.36041 | 2.62085 | 3.16528 |
| 112 | 0.67669 | 1.28916 | 1.65857 | 1.98137 | 2.36010 | 2.62044 | 3.16460 |
| 113 | 0.67667 | 1.28909 | 1.65845 | 1.98118 | 2.35980 | 2.62004 | 3.16392 |
| 114 | 0.67665 | 1.28902 | 1.65833 | 1.98099 | 2.35950 | 2.61964 | 3.16326 |
| 115 | 0.67663 | 1.28896 | 1.65821 | 1.98081 | 2.35921 | 2.61926 | 3.16262 |
| 116 | 0.67661 | 1.28889 | 1.65810 | 1.98063 | 2.35892 | 2.61888 | 3.16198 |
| 117 | 0.67659 | 1.28883 | 1.65798 | 1.98045 | 2.35864 | 2.61850 | 3.16135 |
| 118 | 0.67657 | 1.28877 | 1.65787 | 1.98027 | 2.35837 | 2.61814 | 3.16074 |
| 119 | 0.67656 | 1.28871 | 1.65776 | 1.98010 | 2.35809 | 2.61778 | 3.16013 |
| 120 | 0.67654 | 1.28865 | 1.65765 | 1.97993 | 2.35782 | 2.61742 | 3.15954 |

Catatan: Probabilita yang lebih kecil yang ditunjukkan pada judul tiap kolom adalah luas daerah dalam satu ujung, sedangkan probabilitas yang lebih besar adalah luas daerah dalam kedua ujung



**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, 24 Agustus 2022

Kepada

Nomor : 070/3040 / VII / 2022
Sifat : -
Lampiran : -
Perihal : IZIN PENELITIAN.

Yth. Bupati Konawe
Di -
UNAAHA

Berdasarkan Surat Dekan FTIK IAIN Kendari Nomor: 3055/In.23/FT/TL.00/08/2022 tanggal, 22 Agustus 2022 perihal tersebut diatas, Mahasiswa dibawah ini:

Nama : ANNYS NUR AISYAH
NIM : 18010107014
Prog. Studi : Tadris IPA
Pekerjaan : Mahasiswa
Lokasi Penelitian : MTs Al-Anshar Kab. Konawe

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

**"PENGARUH LINGKUNGAN KELUARGA DAN FASILITAS BELAJAR
DI SEKOLAH TERHADAP HASIL BELAJAR IPA SISWA MTs AL-ANSHAR
KABUPATEN KONAWE".**

Yang akan dilaksanakan dari tanggal : 24 Agustus 2022 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
SEKRETARIS



SUNAWAN LALIASA, STP., MM.
Pembina Tk.I, Gol. IV/b
NIP. 19660809 200312 1 002

Tembusan :

1. Gubernur Sulawesi Tenggara (sebagai laporan) di Kendari;
2. Dekan FTIK IAIN Kendari di Kendari;
3. Ketua Prodi MPI FTIK IAIN Kendari di Kendari;
4. Kepala Kantor Kementerian Agama Kab. Konawe di Unaaha;
5. Kepala MTs Al-Anshar Kab. Konawe di Tempat;
6. Mahasiswa yang bersangkutan.



YAYASAN AL-ANSHOR KONAWE MADRASAH TSANAWIYAH AL-ANSHAR

Alamat : Jln. Poros Langgea-Abuki Ds. Langgea Kec. Padangguni Kab. Konawe
Email : mtsalanshar@gmail.com Kode Pos: 93452

SURAT KETERANGAN

Nomor : 023/MTs.24.04.16/PP.01.1/11/2022

Yang bertanda tangan di bawah ini :

Nama : UJANG SYAEPUDIN S.Pd
NIP : -
Pangkat/ Gol. Ruang : -
Jabatan: : Kepala Sekolah

Menerangkan bahwa :

Nama : ANNYS NUR AISYAH
Jurusan/Prodi : Tadris IPA
NIM : 18010107014
Judul Penelitian : Pengaruh Lingkungan Keluarga dan Fasilitas Belajar di Sekolah Terhadap Hasil Belajar IPA Siswa MTs. Al-Anshar Kabupaten Konawe

Telah melaksanakan penelitian, guna mendapatkan informasi dan data di MTs. Al-Anshar dari tanggal 24 Agustus s/d 25 September 2022.

Demikian surat keterangan ini kami buat dengan sebenarnya dan dapat digunakan sebagaimana mestinya.

Padangguni, 02 November 2022
Kepala Sekolah

Ujang Syaepudin S.Pd





DOKUMENTASI

Pembagian Angket







DAFTAR RIWAYAT HIDUP (CURRICULUM VITAE)

I. IDENTITAS DIRI

Nama : Annys Nur Aisyah
Tempat/tanggal lahir : Wonogiri, 15 April 1999
Jenis Kelamin : Perempuan
Status Perkawinan : Belum Menikah
Agama : Islam
Nomor HP : 085399416291
Alamat Rumah : Desa Lasada, Kecamatan Asinua, Kabupaten Konawe
Email : annasya0215@gmail.com

II. DATA KELUARGA

- Nama Orang Tua
Ayah : Slamet
Ibu : Katiyem
- Nama Saudara Kandung
Anak Pertama : Lusty Onnyxca

III. RIWAYAT PENDIDIKAN

- SD : SD Negeri 1 Pandan (2005-2011)
- SMP : SMP Negeri 2 Unaaha (2011-2014)
- SMK : SMK Terpadu Al-Anshar (2014-2017)

Kendari, 20 Mei 2023



Annys Nur Aisyah
NIM.18010107014