

LAMPIRAN

LAMPIRAN 1
Kuesioner Pendahuluan

KUESIONER PENDAHULUAN

Kepada Yth,
Bapak/Ibu/Sdr/i Responden konsumen toko ban

Kuesioner ini dibagikan kepada Anda sebagai kuesioner awal untuk mengetahui atribut apa saja yang mempengaruhi Anda dalam memilih toko ban.

BERIKAN TANDA CHECKLIST (✓) PADA ATRIBUT YANG PENTING DALAM MEMILIH TOKO BAN (JAWABAN BOLEH LEBIH DARI SATU).

- [] Banyaknya merk ban yang ditawarkan.
 - [] Banyaknya jenis jasa yang ditawarkan.
 - [] Harga ban yang sesuai dengan kualitas.
 - [] Harga pelayanan jasa yang sesuai dengan kualitas.
 - [] Adanya pemberian diskon khusus untuk pembelian dengan jumlah minimum.
 - [] Adanya pemberian hadiah khusus untuk pembelian dengan jumlah minimum.
 - [] Lokasi toko yang terletak di pusat kota.
 - [] Luas area parkir toko yang memadai.
 - [] Kondisi toko yang nyaman.
 - [] Kondisi toko yang aman.
 - [] Keadaan toko yang bersih.
 - [] Desain toko (tampak luar) yang menarik.
 - [] Desain toko (tampak dalam) yang menarik.
 - [] Pajangan barang di dalam toko yang rapi.
 - [] Pajangan barang di dalam toko yang menarik.
 - [] Penerangan dalam toko yang baik.
 - [] Pelayanan karyawan toko yang cepat.
 - [] Karyawan toko yang sopan.
 - [] Karyawan toko yang ramah.
 - [] Penampilan karyawan toko yang rapi.
 - [] Respon pemilik toko yang baik atas keluhan konsumen.
 - [] Respon karyawan yang baik atas keluhan konsumen.
 - [] Pemilik toko dapat memberi informasi tentang produk dengan baik.
 - [] Karyawan dapat memberi informasi tentang produk dengan baik.
 - [] Adanya mushola bagi konsumen.
 - [] Adanya toilet bagi konsumen.
 - [] Adanya kantin bagi konsumen.
 - [] Adanya promosi melalui media cetak.
 - [] Adanya promosi melalui elektronik.
 - [] Proses pelayanan dalam transaksi penjualan dilakukan dengan cepat.
 - [] Perhitungan pembayaran dengan tepat.
- Lain-lain:

Terima Kasih atas kesediaan Bapak/Ibu/Saudara/i mengisi kuesioner ini

LAMPIRAN 2
Kuesioner Penelitian

Kuesioner

Kepada
Yth. Responden

Dengan rendah hati, kami memohon kesediaan Bapak/Ibu/Saudara/Saudari sekalian untuk meluangkan waktu Anda guna mengisi kuesioner ini. Hasil dari kuesioner ini akan saya gunakan sebagai penelitian untuk bahan penyusunan Tugas Akhir di Fakultas Teknik Jurusan Industri Universitas Kristen Maranatha, Bandung.

Melalui kuesioner ini kami ingin mengetahui pendapat Anda apakah produk dan pelayanan Selamat Galeria Ban yang telah diberikan, dapat memuaskan keinginan dan menarik niat beli Anda? Dalam kuesioner ini tidak ada identitas pribadi yang akan menimbulkan akibat buruk bagi Anda, karenanya saya sangat mengharapkan kesediaan Anda untuk mengisi pertanyaan-pertanyaan yang saya lampirkan dengan sejujurnya.

Atas kesediaan Anda meluangkan waktu menjadi responden untuk penelitian yang saya lakukan, saya ucapkan terimakasih.

Hormat kami,

Audry

A. Profil Responden

Pilihlah salah satu jawaban yang paling sesuai menurut Anda dengan memberi tanda silang (X) pada jawaban atas pertanyaan-pertanyaan yang telah disediakan dibawah ini.

1. Jenis kelamin Anda:
 - a. Pria
 - b. Wanita
2. Anda mengetahui Selamat Galeria Ban dari:
 - a. Teman
 - b. Saudara
 - c. Papan nama (*billboard*)
 - d. Lain-lain;.....
3. Usia Anda saat ini:
 - a. ≤ 20 tahun
 - b. 21 – 30 tahun
 - c. 31 – 40 tahun
 - d. > 40 tahun
4. Bila Anda belum bekerja (bila sudah bekerja langsung ke pertanyaan selanjutnya) uang saku/ bulan saat ini:
 - a. $< \text{Rp } 400.000,00$
 - b. $\text{Rp } 400.000,00 \leq \text{uang saku} < \text{Rp } 800.000,00$
 - c. $\text{Rp } 800.000,00 \leq \text{uang saku} < \text{Rp } 1.500.000,00$
 - d. $\geq \text{Rp } 1.500.000,00$
5. Bila Anda sudah bekerja pendapatan Anda / bulan saat ini:
 - a. $< \text{Rp } 1.000.000,00$
 - b. $\text{Rp } 1.000.000,00 \leq \text{pendapatan} < \text{Rp } 3.000.000,00$
 - c. $\text{Rp } 3.000.000,00 \leq \text{pendapatan} < \text{Rp } 6.000.000,00$
 - d. $\geq \text{Rp } 6.000.000,00$
6. Sudah berapa lama Anda menjadi pelanggan Selamat Galeria Ban:
 - a. < 1 tahun
 - b. 1 – 3 tahun
 - c. > 3 tahun
7. Frekuensi pembelian produk (ban) di Selamat Galeria Ban:
 - a. 3 bulan 1x
 - b. 6 bulan 1x
 - c. 1 tahun 1x
 - d. Tidak tentu;.....
8. Frekuensi pembelian jasa (*spooring, balancing, tune up, dll*) di Selamat Galeria Ban:
 - a. 2 bulan 1x
 - b. 4 bulan 1x
 - c. 6 bulan 1x
 - d. Tidak tentu;.....

B. Penilaian atas Kinerja Strategi Pemasaran di Toko Selamat Galeria Ban

Pilihlah salah satu jawaban yang paling sesuai menurut Anda dengan memberi tanda silang (X) pada jawaban atas pertanyaan-pertanyaan yang telah disediakan dibawah ini.

Keterangan:

SP = Sangat Puas

TP = Tidak Puas

P = Puas

STP = Sangat Tidak Puas

| Atribut | Kenyataan | | | |
|--|-----------|---|----|-----|
| | SP | P | TP | STP |
| Banyaknya merk ban yang ditawarkan. | | | | |
| Kelengkapan ukuran ban yang ditawarkan. | | | | |
| Harga ban yang sesuai dengan kualitas. | | | | |
| Banyaknya jenis jasa (<i>spooring, balancing, tune-up</i> , ganti oli, pengisian gas nitrogen) yang ditawarkan. | | | | |
| Harga pelayanan jasa (<i>spooring, balancing, tune-up</i> , ganti oli, pengisian gas nitrogen) yang sesuai dengan kualitas. | | | | |
| Pemberian diskon khusus untuk pembelian dengan jumlah minimum. | | | | |
| Lokasi toko yang terletak di pusat kota. | | | | |
| Luas area parkir toko yang memadai. | | | | |
| Kondisi toko yang nyaman. | | | | |
| Penataan barang-barang di toko yang tidak membahayakan konsumen. | | | | |
| Keadaan toko yang bersih. | | | | |
| Pelayanan karyawan teknisi yang cepat. | | | | |
| Pelayanan karyawan SPG yang cepat. | | | | |
| Karyawan teknisi yang sopan. | | | | |
| Karyawan SPG yang sopan. | | | | |
| Karyawan teknisi yang ramah. | | | | |
| Karyawan SPG yang ramah. | | | | |
| Karyawan teknisi yang tanggap. | | | | |
| Karyawan SPG yang tanggap. | | | | |
| Pemilik toko yang responsif. | | | | |
| Karyawan teknisi yang responsif. | | | | |
| Karyawan SPG yang responsif. | | | | |
| Pemilik toko dapat memberikan informasi tentang produk dengan baik. | | | | |
| Karyawan teknisi dapat memberi informasi tentang produk dengan baik. | | | | |
| Karyawan SPG dapat memberi informasi tentang produk dengan baik. | | | | |
| Adanya toilet bagi konsumen. | | | | |
| Proses pelayanan dalam transaksi penjualan dilakukan dengan cepat. | | | | |
| Perhitungan pembayaran dengan tepat. | | | | |
| Ketersediaan <i>debit/ credit card</i> | | | | |

C. Niat Beli Ulang

Pilihlah salah satu jawaban yang paling sesuai menurut Anda dengan memberi tanda silang (X) pada jawaban atas pertanyaan-pertanyaan yang telah disediakan dibawah ini.

SS = Sangat Setuju TS = Tidak Setuju
S = Setuju STS = Sangat Tidak Setuju

| Atribut | SS | S | TS | STS |
|--|----|---|----|-----|
| Anda mempunyai rencana untuk melakukan pembelian ulang di Selamat Galeria Ban. | | | | |
| Anda memiliki keinginan untuk menjadikan Selamat Galeria Ban sebagai tempat tujuan utama untuk membeli ban atau jasa pelayanan (<i>spooring, balancing, tune up, ganti oli, pengisian gas nitrogen</i>). | | | | |
| Anda akan mereferensikan Selamat Galeria Ban kepada orang lain. | | | | |

Saran Anda untuk peningkatan kinerja strategi pemasaran di Selamat Galeria Ban:

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“Terima kasih”

LAMPIRAN 3

Data Kuesioner Pendahuluan dan

Pengujian Cohran

Data Mentah Kuesioner Pendahuluan Pengujian 1

| n | Atribut yang diuji | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | R _i | R _i ² | | |
|-----------------------------|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|-----------------------------|------|-----|
| | A1 | A2 | A3 | A4 | A5 | A6 | A7 | A8 | A9 | A10 | A11 | A12 | A13 | A14 | A15 | A16 | A17 | A18 | A19 | A20 | A21 | A22 | A23 | A24 | A25 | A26 | A27 | A28 | A29 | A30 | A31 | | | | |
| Resp 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 13 | 169 | |
| Resp 2 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 16 | 256 | |
| Resp 3 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 12 | 144 | | |
| Resp 4 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 16 | 256 | |
| Resp 5 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 81 | |
| Resp 6 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 10 | 100 | |
| Resp 7 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 18 | 324 | | |
| Resp 8 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 121 | | |
| Resp 9 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 14 | 196 | | |
| Resp 10 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 18 | 324 | | |
| Resp 11 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 18 | 324 | | |
| Resp 12 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 10 | 100 | |
| Resp 13 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 20 | 400 |
| Resp 14 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 23 | 529 |
| Resp 15 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 22 | 484 | |
| Resp 16 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 19 | 361 | |
| Resp 17 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 22 | 484 | |
| Resp 18 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 23 | 529 | |
| Resp 19 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 18 | 324 | |
| Resp 20 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 18 | 324 |
| Resp 21 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 24 | 576 |
| Resp 22 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 13 | 169 | |
| Resp 23 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 17 | 289 | | |
| Resp 24 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 28 | 784 | |
| Resp 25 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 27 | 729 | |
| Resp 26 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 19 | 361 | |
| Resp 27 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 23 | 529 | |
| Resp 28 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 49 | |
| Resp 29 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 17 | 289 | | |
| Resp 30 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 15 | 225 |
| C _j | 22 | 20 | 28 | 21 | 18 | 12 | 16 | 19 | 22 | 19 | 16 | 8 | 9 | 11 | 8 | 15 | 24 | 19 | 22 | 5 | 22 | 22 | 22 | 22 | 21 | 8 | 20 | 10 | 11 | 4 | 23 | 23 | 520 | 9830 | |
| C _j ² | 484 | 400 | 784 | 441 | 324 | 144 | 256 | 361 | 484 | 361 | 256 | 64 | 81 | 121 | 64 | 225 | 576 | 361 | 484 | 25 | 484 | 484 | 484 | 441 | 64 | 400 | 100 | 121 | 16 | 529 | 529 | 9948 | | | |

Data Mentah Kuesioner Pendahuluan Pengujian 2

| n | Atribut yang diuji | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | R _i | R _i ² |
|-----------------------------|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|----------------|-----------------------------|
| | A1 | A2 | A3 | A4 | A5 | A6 | A7 | A8 | A9 | A10 | A11 | A12 | A13 | A14 | A15 | A16 | A17 | A18 | A19 | A20 | A21 | A22 | A23 | A24 | A25 | A26 | A27 | A28 | A30 | A31 | | | |
| Resp 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 13 | 169 |
| Resp 2 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 16 | 256 |
| Resp 3 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 12 | 144 |
| Resp 4 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 16 | 256 | |
| Resp 5 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 81 | |
| Resp 6 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 100 | |
| Resp 7 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 17 | 289 | |
| Resp 8 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 11 | 121 | |
| Resp 9 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 14 | 196 | |
| Resp 10 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 18 | 324 | |
| Resp 11 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 17 | 289 | |
| Resp 12 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 10 | 100 | |
| Resp 13 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 20 | 400 | |
| Resp 14 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 22 | 484 | |
| Resp 15 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 22 | 484 | |
| Resp 16 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 19 | 361 | |
| Resp 17 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 22 | 484 | |
| Resp 18 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 23 | 529 | |
| Resp 19 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 18 | 324 | |
| Resp 20 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 18 | 324 | |
| Resp 21 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 24 | 576 | |
| Resp 22 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 13 | 169 | |
| Resp 23 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 17 | 289 |
| Resp 24 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 27 | 729 | |
| Resp 25 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 27 | 729 | |
| Resp 26 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 19 | 361 | |
| Resp 27 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 23 | 529 | |
| Resp 28 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 49 | |
| Resp 29 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 17 | 289 | |
| Resp 30 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 15 | 225 | |
| C _j | 22 | 20 | 28 | 21 | 18 | 12 | 16 | 19 | 22 | 19 | 16 | 8 | 9 | 11 | 8 | 15 | 24 | 19 | 22 | 5 | 22 | 22 | 22 | 21 | 8 | 20 | 10 | 11 | 23 | 23 | 516 | 9660 | |
| C _i ² | 484 | 400 | 784 | 441 | 324 | 144 | 256 | 361 | 484 | 361 | 256 | 64 | 81 | 121 | 64 | 225 | 576 | 361 | 484 | 25 | 484 | 484 | 484 | 441 | 64 | 400 | 100 | 121 | 529 | 529 | 9932 | | |

Data yang dibuang adalah A29

Data Mentah Kuesioner Pendahuluan Pengujian 3

| n | Atribut yang diuji | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | R _i | R _i ² |
|-----------------|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|------|----------------|-----------------------------|
| | A1 | A2 | A3 | A4 | A5 | A6 | A7 | A8 | A9 | A10 | A11 | A12 | A13 | A14 | A15 | A16 | A17 | A18 | A19 | A21 | A22 | A23 | A24 | A25 | A26 | A27 | A28 | A30 | A31 | | | | |
| Resp 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 13 | 169 | |
| Resp 2 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 16 | 256 | | |
| Resp 3 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 12 | 144 | | |
| Resp 4 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 16 | 256 | | | |
| Resp 5 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 81 | | | |
| Resp 6 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 100 | | | |
| Resp 7 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 17 | 289 | | | |
| Resp 8 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 10 | 100 | | | |
| Resp 9 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 14 | 196 | | | |
| Resp 10 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 18 | 324 | | |
| Resp 11 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 17 | 289 | | | |
| Resp 12 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 10 | 100 | | |
| Resp 13 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 20 | 400 | | |
| Resp 14 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 21 | 441 | | | |
| Resp 15 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 22 | 484 | | | |
| Resp 16 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 19 | 361 | | |
| Resp 17 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 22 | 484 | | |
| Resp 18 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 23 | 529 | | | |
| Resp 19 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 18 | 324 | | |
| Resp 20 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 17 | 289 | | |
| Resp 21 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 24 | 576 | | | |
| Resp 22 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 13 | 169 | | |
| Resp 23 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 17 | 289 | | |
| Resp 24 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 26 | 676 | | | |
| Resp 25 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 27 | 729 | | |
| Resp 26 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 19 | 361 | | |
| Resp 27 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 22 | 484 | | |
| Resp 28 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 49 | | | |
| Resp 29 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 17 | 289 | | |
| Resp 30 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 15 | 225 | | |
| Gj | 22 | 20 | 28 | 21 | 18 | 12 | 16 | 19 | 22 | 19 | 16 | 8 | 9 | 11 | 8 | 15 | 24 | 19 | 22 | 22 | 22 | 22 | 21 | 8 | 20 | 10 | 11 | 23 | 23 | 511 | 9463 | | |
| Gj ² | 484 | 400 | 784 | 441 | 324 | 144 | 256 | 361 | 484 | 361 | 256 | 64 | 81 | 121 | 64 | 225 | 576 | 361 | 484 | 484 | 484 | 441 | 64 | 400 | 100 | 121 | 529 | 529 | 9907 | | | | |

Data yang dibuang adalah A20

Data Mentah Kuesioner Pendahuluan Pengujian 4

| n | Atribut yang diuji | | | | | | | | | | | | | | | | | | | | | R _i | R _i ² | | | | | |
|-----------------------------|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|-----------------------------|-----|-----|-----|------|------|
| | A1 | A2 | A3 | A4 | A5 | A6 | A7 | A8 | A9 | A10 | A11 | A13 | A14 | A16 | A17 | A18 | A19 | A21 | A22 | A23 | A24 | | | A26 | A27 | A28 | A30 | A31 |
| Resp 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 12 | 144 |
| Resp 2 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 15 | 225 |
| Resp 3 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 12 | 144 | |
| Resp 4 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 16 | 256 | |
| Resp 5 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 81 | |
| Resp 6 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 10 | 100 | |
| Resp 7 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 17 | 289 | |
| Resp 8 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 10 | 100 | |
| Resp 9 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 14 | 196 | |
| Resp 10 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 18 | 324 | |
| Resp 11 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 16 | 256 | |
| Resp 12 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 10 | 100 |
| Resp 13 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 18 | 324 |
| Resp 14 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 20 | 400 |
| Resp 15 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 22 | 484 |
| Resp 16 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 18 | 324 |
| Resp 17 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 21 | 441 |
| Resp 18 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 22 | 484 |
| Resp 19 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 18 | 324 |
| Resp 20 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 14 | 196 |
| Resp 21 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 23 | 529 | |
| Resp 22 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 12 | 144 |
| Resp 23 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 15 | 225 |
| Resp 24 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 24 | 576 |
| Resp 25 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 24 | 576 |
| Resp 26 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 18 | 324 |
| Resp 27 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 21 | 441 |
| Resp 28 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 49 |
| Resp 29 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 16 | 256 |
| Resp 30 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 15 | 225 |
| G _j | 22 | 20 | 28 | 21 | 18 | 12 | 16 | 19 | 22 | 19 | 16 | 9 | 11 | 15 | 24 | 19 | 22 | 22 | 22 | 22 | 21 | 20 | 10 | 11 | 23 | 23 | 487 | 8537 |
| G _i ² | 484 | 400 | 784 | 441 | 324 | 144 | 256 | 361 | 484 | 361 | 256 | 81 | 121 | 225 | 576 | 361 | 484 | 484 | 484 | 484 | 441 | 400 | 100 | 121 | 529 | 529 | 9715 | |

Data yang dibuang adalah A12, A15, A25

Data Mentah Kuesioner Pendahuluan Pengujian 5

| n | Atribut yang diuji | | | | | | | | | | | | | | | | | | | | | R _i | R _i ² | | | | |
|-----------------------------|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|-----------------------------|-----|------|-----|------|
| | A1 | A2 | A3 | A4 | A5 | A6 | A7 | A8 | A9 | A10 | A11 | A14 | A16 | A17 | A18 | A19 | A21 | A22 | A23 | A24 | A26 | | | A27 | A28 | A30 | A31 |
| Resp 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 11 | 121 |
| Resp 2 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 14 | 196 |
| Resp 3 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 12 | 144 |
| Resp 4 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 16 | 256 |
| Resp 5 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 81 |
| Resp 6 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 10 | 100 |
| Resp 7 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 17 | 289 |
| Resp 8 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 9 | 81 |
| Resp 9 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 14 | 196 |
| Resp 10 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 18 | 324 |
| Resp 11 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 16 | 256 |
| Resp 12 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 9 | 81 |
| Resp 13 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 18 | 324 |
| Resp 14 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 19 | 361 |
| Resp 15 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 22 | 484 |
| Resp 16 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 18 | 324 |
| Resp 17 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 21 | 441 |
| Resp 18 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 22 | 484 |
| Resp 19 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 18 | 324 |
| Resp 20 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 14 | 196 |
| Resp 21 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 23 | 529 |
| Resp 22 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 12 | 144 |
| Resp 23 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 14 | 196 |
| Resp 24 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 23 | 529 |
| Resp 25 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 23 | 529 |
| Resp 26 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 18 | 324 |
| Resp 27 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 20 | 400 |
| Resp 28 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 49 |
| Resp 29 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 16 | 256 |
| Resp 30 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 15 | 225 |
| C _j | 22 | 20 | 28 | 21 | 18 | 12 | 16 | 19 | 22 | 19 | 16 | 11 | 15 | 24 | 19 | 22 | 22 | 22 | 22 | 21 | 20 | 10 | 11 | 23 | 23 | 478 | 8244 |
| C _j ² | 484 | 400 | 784 | 441 | 324 | 144 | 256 | 361 | 484 | 361 | 256 | 121 | 225 | 576 | 361 | 484 | 484 | 484 | 441 | 400 | 100 | 121 | 529 | 529 | 9634 | | |

Data yang dibuang adalah A13

Data Mentah Kuesioner Pendahuluan Pengujian 6

| n | Atribut yang diuji | | | | | | | | | | | | | | | | | | | | | R _i | R _i ² | | | |
|-----------------------------|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|-----------------------------|------|-----|------|
| | A1 | A2 | A3 | A4 | A5 | A6 | A7 | A8 | A9 | A10 | A11 | A14 | A16 | A17 | A18 | A19 | A21 | A22 | A23 | A24 | A26 | | | A28 | A30 | A31 |
| Resp 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 11 | 121 |
| Resp 2 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 14 | 196 |
| Resp 3 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 12 | 144 |
| Resp 4 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 15 | 225 |
| Resp 5 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 81 |
| Resp 6 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 10 | 100 |
| Resp 7 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 16 | 256 |
| Resp 8 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 9 | 81 |
| Resp 9 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 14 | 196 |
| Resp 10 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 18 | 324 |
| Resp 11 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 15 | 225 |
| Resp 12 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 9 | 81 |
| Resp 13 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 18 | 324 |
| Resp 14 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 19 | 361 |
| Resp 15 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 21 | 441 |
| Resp 16 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 18 | 324 |
| Resp 17 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 21 | 441 |
| Resp 18 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 21 | 441 |
| Resp 19 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 18 | 324 |
| Resp 20 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 14 | 196 |
| Resp 21 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 22 | 484 |
| Resp 22 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 12 | 144 |
| Resp 23 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 13 | 169 |
| Resp 24 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 22 | 484 |
| Resp 25 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 23 | 529 |
| Resp 26 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 17 | 289 |
| Resp 27 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 19 | 361 |
| Resp 28 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 49 |
| Resp 29 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 16 | 256 |
| Resp 30 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 15 | 225 |
| G _j | 22 | 20 | 28 | 21 | 18 | 12 | 16 | 19 | 22 | 19 | 16 | 11 | 15 | 24 | 19 | 22 | 22 | 22 | 22 | 21 | 20 | 11 | 23 | 23 | 468 | 7872 |
| G _j ² | 484 | 400 | 784 | 441 | 324 | 144 | 256 | 361 | 484 | 361 | 256 | 121 | 225 | 576 | 361 | 484 | 484 | 484 | 441 | 400 | 121 | 529 | 529 | 9534 | | |

Data yang dibuang adalah A27

Data Mentah Kuesioner Pendahuluan Pengujian 7

| n | Atribut yang diuji | | | | | | | | | | | | | | | | | | | | R _i | R _i ² | | |
|-----------------------------|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|-----------------------------|------|------|
| | A1 | A2 | A3 | A4 | A5 | A6 | A7 | A8 | A9 | A10 | A11 | A16 | A17 | A18 | A19 | A21 | A22 | A23 | A24 | A26 | | | A30 | A31 |
| Resp 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 10 | 100 |
| Resp 2 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 13 | 169 |
| Resp 3 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 12 | 144 |
| Resp 4 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 14 | 196 |
| Resp 5 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 81 |
| Resp 6 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 10 | 100 |
| Resp 7 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 16 | 256 |
| Resp 8 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 8 | 64 |
| Resp 9 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 12 | 144 |
| Resp 10 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 17 | 289 |
| Resp 11 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 14 | 196 |
| Resp 12 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 9 | 81 |
| Resp 13 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 17 | 289 |
| Resp 14 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 18 | 324 |
| Resp 15 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 21 | 441 |
| Resp 16 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 17 | 289 |
| Resp 17 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 20 | 400 |
| Resp 18 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 19 | 361 |
| Resp 19 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 18 | 324 |
| Resp 20 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 13 | 169 |
| Resp 21 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 22 | 484 |
| Resp 22 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 11 | 121 |
| Resp 23 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 13 | 169 |
| Resp 24 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 20 | 400 |
| Resp 25 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 22 | 484 |
| Resp 26 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 16 | 256 |
| Resp 27 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 17 | 289 |
| Resp 28 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 49 |
| Resp 29 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 16 | 256 |
| Resp 30 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 15 | 225 |
| C _j | 22 | 20 | 28 | 21 | 18 | 12 | 16 | 19 | 22 | 19 | 16 | 15 | 24 | 19 | 22 | 22 | 22 | 22 | 21 | 20 | 23 | 23 | 446 | 7150 |
| C _j ² | 484 | 400 | 784 | 441 | 324 | 144 | 256 | 361 | 484 | 361 | 256 | 225 | 576 | 361 | 484 | 484 | 484 | 484 | 441 | 400 | 529 | 529 | 9292 | |

Data yang dibuang adalah A14, A28

Data Mentah Kuesioner Pendahuluan Pengujian 8

| n | Atribut yang diuji | | | | | | | | | | | | | | | | | | | | R _i | R _i ² | |
|-----------------------------|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|-----------------------------|------|
| | A1 | A2 | A3 | A4 | A5 | A7 | A8 | A9 | A10 | A11 | A16 | A17 | A18 | A19 | A21 | A22 | A23 | A24 | A26 | A30 | | | A31 |
| Resp 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 9 | 81 |
| Resp 2 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 13 | 169 |
| Resp 3 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 12 | 144 |
| Resp 4 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 13 | 169 |
| Resp 5 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 81 |
| Resp 6 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 10 | 100 |
| Resp 7 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 16 | 256 |
| Resp 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 7 | 49 |
| Resp 9 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 12 | 144 |
| Resp 10 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 17 | 289 |
| Resp 11 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 13 | 169 |
| Resp 12 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 9 | 81 |
| Resp 13 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 17 | 289 |
| Resp 14 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 17 | 289 |
| Resp 15 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 20 | 400 |
| Resp 16 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 17 | 289 |
| Resp 17 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 20 | 400 |
| Resp 18 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 19 | 361 |
| Resp 19 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 17 | 289 |
| Resp 20 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 13 | 169 |
| Resp 21 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 21 | 441 |
| Resp 22 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 11 | 121 |
| Resp 23 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 12 | 144 |
| Resp 24 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 20 | 400 |
| Resp 25 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 21 | 441 |
| Resp 26 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 16 | 256 |
| Resp 27 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 16 | 256 |
| Resp 28 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 49 |
| Resp 29 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 15 | 225 |
| Resp 30 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 15 | 225 |
| G _j | 22 | 20 | 28 | 21 | 18 | 16 | 19 | 22 | 19 | 16 | 15 | 24 | 19 | 22 | 22 | 22 | 22 | 21 | 20 | 23 | 23 | 434 | 6776 |
| G _i ² | 484 | 400 | 784 | 441 | 324 | 256 | 361 | 484 | 361 | 256 | 225 | 576 | 361 | 484 | 484 | 484 | 484 | 441 | 400 | 529 | 529 | 9148 | |

Data yang dibuang adalah A6

Data Mentah Kuesioner Pendahuluan Pengujian 9

| n | Atribut yang diuji | | | | | | | | | | | | | | | | | | | | R _i | R _i ² |
|-----------------------------|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|-----------------------------|
| | A1 | A2 | A3 | A4 | A5 | A7 | A8 | A9 | A10 | A11 | A17 | A18 | A19 | A21 | A22 | A23 | A24 | A26 | A30 | A31 | | |
| Resp 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | | |
| Resp 2 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | | |
| Resp 3 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | | |
| Resp 4 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | | |
| Resp 5 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| Resp 6 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | | |
| Resp 7 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | | |
| Resp 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | | |
| Resp 9 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | | |
| Resp 10 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | | |
| Resp 11 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | | |
| Resp 12 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | | |
| Resp 13 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | | |
| Resp 14 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| Resp 15 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| Resp 16 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | | |
| Resp 17 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| Resp 18 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| Resp 19 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| Resp 20 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | | |
| Resp 21 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| Resp 22 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | | |
| Resp 23 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | | |
| Resp 24 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| Resp 25 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| Resp 26 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| Resp 27 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | | |
| Resp 28 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| Resp 29 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | | |
| Resp 30 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | | |
| C _j | 22 | 20 | 28 | 21 | 18 | 16 | 19 | 22 | 19 | 16 | 24 | 19 | 22 | 22 | 22 | 22 | 21 | 20 | 23 | 23 | | |
| C _j ² | 484 | 400 | 784 | 441 | 324 | 256 | 361 | 484 | 361 | 256 | 576 | 361 | 484 | 484 | 484 | 441 | 400 | 529 | 529 | | | |

Data yang dibuang adalah A16

LAMPIRAN 4
Data Kuesioner Penelitian

Tabel Data Mentah Kuesioner Penelitian Keseluruhan

| Resp | Pertanyaan (Variabel X) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------|-------------------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | |
| 1 | 3 | 3 | 3 | 2 | 2 | 2 | 3 | 3 | 2 | 2 | 2 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 2 | 2 | 4 | 2 | 3 | 2 | 3 | 3 | |
| 2 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 1 | 2 | 3 | 2 | 2 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 2 | 2 | 3 | 3 | 2 | 3 | |
| 3 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 3 | 3 | 2 | 3 | 4 | 3 | 3 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 2 | 4 | 3 | 3 | 4 | 4 | 3 |
| 4 | 4 | 3 | 4 | 3 | 2 | 3 | 3 | 2 | 1 | 3 | 4 | 2 | 3 | 3 | 4 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 4 | 2 | 3 | 3 | 3 | 3 | 4 | |
| 5 | 4 | 4 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | 4 | 3 | 2 | 4 | 4 | 4 | 3 | 2 | 4 | 2 | 4 | 4 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | |
| 6 | 4 | 3 | 3 | 3 | 3 | 4 | 3 | 4 | 3 | 3 | 4 | 3 | 3 | 3 | 2 | 4 | 4 | 3 | 4 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| 7 | 4 | 3 | 4 | 1 | 3 | 3 | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 1 | 4 | 3 | 3 | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 4 | |
| 8 | 4 | 3 | 4 | 3 | 2 | 4 | 3 | 4 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 4 | 3 | 4 | 3 | 3 | 4 | 3 | 2 | 3 | 3 | 3 | 3 | 2 | |
| 9 | 3 | 4 | 2 | 2 | 3 | 3 | 3 | 4 | 2 | 2 | 4 | 3 | 2 | 3 | 3 | 4 | 3 | 2 | 3 | 4 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 2 | 2 | |
| 10 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| 11 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 2 | 3 | 3 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 3 | 4 | 2 | 3 | 4 | 3 | 2 | 2 | 3 | 3 | 3 | |
| 12 | 4 | 2 | 2 | 3 | 2 | 3 | 4 | 3 | 3 | 3 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 3 | 2 | 2 | 3 | 3 | 2 | 3 | 3 | 2 | |
| 13 | 2 | 4 | 2 | 3 | 3 | 2 | 3 | 2 | 2 | 3 | 2 | 3 | 2 | 2 | 3 | 3 | 2 | 3 | 2 | 3 | 3 | 2 | 2 | 3 | 3 | 2 | 2 | 2 | 2 | |
| 14 | 3 | 3 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 1 | 4 | 3 | 3 | 2 | 3 | 3 | 1 | 4 | 3 | 3 | 2 | |
| 15 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 4 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 2 | 2 | 3 | 3 | 3 | 2 | 3 | 2 | |
| 16 | 4 | 3 | 3 | 2 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 2 | 3 | 4 | 2 | 2 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 2 | 3 | 1 | 2 | 3 | 3 | |
| 17 | 2 | 3 | 3 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 4 | 2 | 2 | 3 | 2 | 3 | 2 | 2 | 3 | 3 | 3 | |
| 18 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 4 | 3 | 3 | 2 | |
| 19 | 2 | 2 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 3 | 2 | 2 | 3 | 3 | 2 | 3 | 2 | 2 | 3 | 3 | 2 | 3 | 3 | 2 | 2 | 3 | 3 | |
| 20 | 1 | 2 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 2 | 2 | 3 | 3 | 3 | 1 | 3 | 3 | |
| 21 | 3 | 3 | 3 | 3 | 4 | 2 | 3 | 2 | 3 | 3 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 2 | 3 | 3 | 2 | 2 | 3 | |
| 22 | 2 | 2 | 2 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 3 | 3 | 2 | 3 | 2 | 2 | 3 | 3 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | |
| 23 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| 24 | 3 | 3 | 2 | 3 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 2 | 3 | 2 | 3 | 2 | 3 | 2 | 3 | 3 | 2 | 2 | 3 | 3 | 2 | |
| 25 | 2 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 2 | 2 | 2 | 3 | 2 | 3 | 2 | 4 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 2 | 3 | |
| 26 | 3 | 2 | 4 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 4 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 1 | 3 | 2 | 4 | |
| 27 | 2 | 2 | 4 | 1 | 2 | 2 | 3 | 2 | 2 | 4 | 2 | 2 | 3 | 2 | 2 | 4 | 2 | 1 | 2 | 3 | 3 | 2 | 2 | 2 | 1 | 4 | 2 | 3 | 1 | |
| 28 | 3 | 3 | 4 | 3 | 3 | 4 | 3 | 4 | 2 | 3 | 3 | 3 | 2 | 3 | 4 | 3 | 3 | 3 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 4 | 3 | 4 | |
| 29 | 3 | 2 | 2 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 3 | 3 | 4 | 3 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | |
| 30 | 3 | 4 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 2 | 2 | |
| 31 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 4 | 1 | 2 | 2 | 3 | 2 | 3 | 2 | 2 | 3 | 2 | 3 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | |
| 32 | 4 | 3 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 2 | 3 | 2 | 4 | 2 | 4 | 3 | 3 | 3 | 4 | 3 | 2 | 3 | 2 | 3 | 3 | |
| 33 | 3 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 2 | 2 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 2 | 4 | 2 | 2 | 3 | 3 | 3 | 2 | 2 | 3 | 2 | 3 | |
| 34 | 4 | 2 | 3 | 2 | 1 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 4 | 2 | 3 | 3 | 2 | 3 | 2 | 1 | 3 | 3 | 1 | 2 | 2 | 3 | 3 | 3 | |
| 35 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 2 | 4 | 3 | 2 | 3 | 4 | 3 | 2 | 3 | 3 | 3 | 3 | |
| 36 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 4 | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | |
| 37 | 3 | 3 | 2 | 2 | 3 | 3 | 2 | 4 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 2 | 2 | 2 | 3 | 3 | 2 | 3 | 3 | 3 | 2 | |
| 38 | 4 | 3 | 4 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 4 | 2 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 4 | 2 | 3 | 3 | 3 | 3 | 4 | |

Tabel Data Mentah Kuesioner Penelitian Keseluruhan (Lanjutan)

| Resp | Pertanyaan (Variabel X) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------|-------------------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | |
| 39 | 4 | 4 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | 4 | 3 | 2 | 1 | 4 | 4 | 3 | 2 | 4 | 3 | 4 | 4 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 3 |
| 40 | 4 | 3 | 3 | 3 | 3 | 4 | 3 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 2 | 4 | 4 | 3 | 4 | 2 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 41 | 4 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 4 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 |
| 42 | 4 | 3 | 4 | 1 | 2 | 4 | 3 | 4 | 3 | 1 | 3 | 2 | 3 | 4 | 3 | 3 | 4 | 1 | 4 | 1 | 3 | 4 | 4 | 2 | 2 | 3 | 4 | 3 | 4 | 4 |
| 43 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 2 | 3 | 3 | 4 | 4 | 2 | 3 | 4 | 4 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 2 | 2 | 3 | 3 |
| 44 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 4 | 3 | 3 | 4 | 2 | 3 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 1 | 3 | 3 | 4 | 3 | 2 | 3 | 3 | 4 | |
| 45 | 4 | 3 | 4 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 2 | 4 | 2 | 3 | 4 | 2 | 4 | 3 | 3 | 3 | 4 | 3 | 2 | 3 | 3 | 3 | 2 | |
| 46 | 3 | 4 | 4 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 3 | 3 | 4 | 3 | 4 |
| 47 | 4 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 4 | 3 | 3 | 2 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 2 | 3 | 2 | |
| 48 | 3 | 3 | 2 | 3 | 4 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 4 | 3 | 3 | 2 | 2 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | |
| 49 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| 50 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | |
| 51 | 3 | 3 | 3 | 3 | 3 | 4 | 2 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 4 | 3 | 3 | 4 | 3 | 3 | |
| 52 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 2 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 4 | 2 | 3 | 3 | |
| 53 | 4 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 4 | 2 | 3 | 4 | 3 | 4 | 2 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 1 | |
| 54 | 3 | 4 | 3 | 2 | 3 | 3 | 3 | 4 | 3 | 2 | 3 | 3 | 4 | 3 | 3 | 2 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 4 | 3 | |
| 55 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 2 | 3 | 3 | 4 | 2 | 3 | 2 | 2 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 4 | 3 | 3 | 2 | 2 | 3 | |
| 56 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 3 | 3 | 2 | 4 | 4 | 4 | 3 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 2 | 4 | 3 | 3 | 3 | 4 | 4 | |
| 57 | 4 | 2 | 3 | 2 | 1 | 3 | 3 | 3 | 3 | 2 | 3 | 1 | 3 | 4 | 2 | 3 | 3 | 2 | 3 | 3 | 1 | 3 | 3 | 1 | 2 | 2 | 3 | 3 | 3 | |
| 58 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 2 | 4 | 3 | 2 | 3 | 4 | 3 | 2 | 3 | 3 | 3 | 3 | |
| 59 | 3 | 2 | 2 | 1 | 2 | 3 | 3 | 4 | 3 | 1 | 2 | 2 | 3 | 3 | 3 | 2 | 3 | 1 | 3 | 2 | 3 | 2 | 3 | 2 | 2 | 3 | 3 | 3 | 2 | |
| 60 | 3 | 3 | 3 | 2 | 3 | 3 | 2 | 4 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 2 | 2 | 2 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | |
| 61 | 4 | 3 | 3 | 3 | 3 | 4 | 3 | 4 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 2 | 4 | 3 | |
| 62 | 3 | 2 | 3 | 2 | 1 | 3 | 2 | 2 | 3 | 2 | 3 | 1 | 2 | 3 | 3 | 3 | 3 | 2 | 3 | 2 | 3 | 2 | 2 | 3 | 1 | 2 | 2 | 3 | 2 | 4 |
| 63 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| 64 | 4 | 3 | 4 | 3 | 2 | 3 | 3 | 3 | 4 | 3 | 2 | 2 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 4 | 2 | 3 | 3 | 3 | 3 | 4 | |
| 65 | 3 | 3 | 2 | 2 | 3 | 4 | 3 | 4 | 3 | 2 | 4 | 3 | 2 | 3 | 3 | 3 | 3 | 2 | 4 | 3 | 4 | 4 | 1 | 3 | 2 | 3 | 4 | 2 | 2 | |
| 66 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 2 | 4 | 4 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | |
| 67 | 3 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | |
| 68 | 3 | 3 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | |
| 69 | 3 | 4 | 4 | 1 | 4 | 3 | 3 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 1 | 3 | 3 | 3 | 2 | 4 | 3 | 2 | 3 | 3 | 3 | 4 | |
| 70 | 4 | 3 | 3 | 2 | 3 | 2 | 3 | 4 | 3 | 2 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 2 | 3 | 3 | |
| 71 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 2 | 4 | 3 | 3 | 3 | 3 | 2 | 3 | |
| 72 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | |
| 73 | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 2 | |
| 74 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| 75 | 3 | 3 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 4 | 3 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 3 | 3 | 4 | 4 | 3 | 3 | 4 | 3 | 3 | |
| 76 | 4 | 4 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 4 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | |

Tabel Data Mentah Kuesioner Penelitian Keseluruhan (Lanjutan)

| Resp | Pertanyaan (Variabel X) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------|-------------------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | |
| 77 | 4 | 4 | 4 | 3 | 3 | 4 | 2 | 3 | 3 | 3 | 4 | 3 | 3 | 4 | 3 | 4 | 4 | 3 | 3 | 2 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 4 | 3 | 4 |
| 78 | 3 | 4 | 2 | 2 | 3 | 4 | 4 | 4 | 3 | 2 | 4 | 3 | 4 | 3 | 4 | 4 | 3 | 2 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 1 | 4 | 2 |
| 79 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 2 | 3 | 3 | 4 | 4 | 2 | 3 | 4 | 4 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 4 | 2 | 3 |
| 80 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 3 | 3 | 4 | 1 | 3 | 3 | 4 | 3 | 2 | 3 | 3 | 4 | |
| 81 | 4 | 3 | 4 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 4 | 2 | 3 | 4 | 2 | 4 | 3 | 3 | 3 | 4 | 3 | 2 | 3 | 3 | 3 | 2 | |
| 82 | 3 | 4 | 4 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 3 | 3 | 4 | 3 | 4 | |
| 83 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 2 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 2 | 2 | 3 | 2 | 2 | 2 | 3 | 3 | 3 | |
| 84 | 3 | 3 | 3 | 2 | 2 | 3 | 2 | 3 | 3 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 4 | 2 | 3 | 2 | 3 | 3 | 4 | 2 | 2 | 3 | 3 | 2 | 3 | |
| 85 | 4 | 4 | 4 | 3 | 3 | 4 | 3 | 4 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 3 | 3 | 4 | 4 | 4 | |
| 86 | 3 | 2 | 3 | 2 | 1 | 3 | 2 | 2 | 3 | 2 | 3 | 1 | 2 | 3 | 3 | 3 | 3 | 2 | 3 | 2 | 2 | 2 | 3 | 1 | 2 | 2 | 3 | 2 | 3 | |
| 87 | 3 | 4 | 3 | 1 | 3 | 3 | 3 | 3 | 4 | 1 | 2 | 3 | 3 | 3 | 3 | 2 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | |
| 88 | 4 | 3 | 4 | 3 | 2 | 4 | 3 | 3 | 4 | 3 | 3 | 2 | 3 | 4 | 3 | 3 | 4 | 3 | 4 | 3 | 3 | 3 | 4 | 2 | 3 | 3 | 4 | 3 | 1 | |
| 89 | 3 | 2 | 3 | 1 | 2 | 3 | 3 | 4 | 3 | 1 | 2 | 2 | 3 | 3 | 3 | 2 | 3 | 1 | 3 | 3 | 3 | 2 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | |
| 90 | 3 | 3 | 2 | 2 | 3 | 3 | 2 | 4 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 2 | 3 | 2 | 2 | 2 | 3 | 3 | 2 | 3 | 3 | 2 | 2 | |
| 91 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| 92 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | 2 | 3 | 2 | 2 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 2 | 2 | 3 | 3 | 2 | 3 | |
| 93 | 3 | 3 | 2 | 3 | 3 | 3 | 2 | 3 | 4 | 3 | 1 | 3 | 2 | 3 | 3 | 1 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | |
| 94 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | |
| 95 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 4 | 4 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 4 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | |
| 96 | 2 | 2 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 2 | 2 | 2 | 4 | 3 | 3 | 3 | 2 | 3 | 4 | 2 | 3 | 3 | 3 | 3 | 3 | |
| 97 | 3 | 3 | 3 | 1 | 3 | 4 | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 4 | 3 | 3 | 3 | 3 | 3 | 1 | 3 | 4 | 3 | 3 | |
| 98 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 4 | 3 | 3 | 3 | 4 | 2 | 2 | 3 | 3 | 3 | 3 | 2 | 3 | 2 | 3 | |
| 99 | 3 | 4 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 2 | 4 | 3 | 2 | 3 | 3 | 4 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 2 | 2 | |
| 100 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| 101 | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 4 | 4 | 1 | 3 | 3 | 3 | 3 | 4 | 3 | 4 | 1 | 3 | 3 | 2 | 3 | 4 | 3 | 1 | 2 | 3 | 3 | 3 | |
| 102 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 1 | |
| 103 | 4 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | |
| 104 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 4 | 3 | 3 | 2 | 4 | 3 | 3 | 3 | 2 | 2 | 4 | 3 | 3 | 2 | 3 | 3 | 2 | |
| 105 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | |
| 106 | 3 | 2 | 2 | 1 | 2 | 3 | 3 | 4 | 3 | 4 | 2 | 2 | 2 | 3 | 3 | 2 | 3 | 1 | 3 | 3 | 3 | 2 | 3 | 2 | 1 | 3 | 3 | 3 | 2 | |
| 107 | 3 | 3 | 3 | 2 | 3 | 3 | 2 | 4 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 2 | 2 | 2 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | |
| 108 | 4 | 3 | 3 | 3 | 3 | 4 | 3 | 4 | 3 | 2 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 4 | 4 | 3 | |
| 109 | 3 | 2 | 3 | 2 | 1 | 3 | 2 | 2 | 3 | 2 | 3 | 1 | 2 | 3 | 3 | 3 | 3 | 2 | 3 | 2 | 2 | 2 | 3 | 1 | 2 | 2 | 3 | 2 | 3 | |
| 110 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| 111 | 4 | 3 | 4 | 3 | 2 | 3 | 3 | 3 | 4 | 3 | 2 | 2 | 3 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 4 | 2 | 3 | 3 | 3 | 3 | 4 | |
| 112 | 3 | 3 | 2 | 2 | 3 | 4 | 3 | 4 | 3 | 2 | 4 | 3 | 2 | 3 | 3 | 3 | 3 | 2 | 4 | 3 | 4 | 4 | 3 | 3 | 2 | 3 | 4 | 2 | 2 | |
| 113 | 4 | 3 | 3 | 1 | 3 | 3 | 3 | 4 | 4 | 1 | 4 | 3 | 3 | 4 | 2 | 4 | 4 | 1 | 4 | 3 | 3 | 4 | 4 | 3 | 1 | 3 | 3 | 3 | 3 | |
| 114 | 3 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 4 | |

Tabel Data Mentah Kuesioner Penelitian Keseluruhan (Lanjutan)

| Resp | Pertanyaan (Variabel X) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------|-------------------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | |
| 115 | 3 | 3 | 3 | 1 | 4 | 4 | 3 | 3 | 3 | 1 | 2 | 3 | 2 | 3 | 4 | 3 | 3 | 1 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 3 | 4 | 3 | 3 |
| 116 | 3 | 3 | 4 | 3 | 3 | 4 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 4 | 3 | 4 | |
| 117 | 3 | 2 | 2 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 4 | 3 | 3 | 2 | 3 | 2 | 4 | 3 | 3 | 3 | 3 | 2 | 2 | |
| 118 | 3 | 4 | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 2 | 3 | 3 | 2 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | |
| 119 | 4 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 4 | 3 | 4 | 2 | 3 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 4 | |
| 120 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 4 | 3 | 2 | 3 | 3 | 4 | 3 | 3 | 2 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 4 | 3 |

Tabel 1 Data Monevh Eusejener Eanalicim Eace la rukan

| Recp | Ea rucy san (V/riska/E) | | |
|------|-------------------------|---|---|
| | 1 | 2 | 3 |
| 1 | 3 | 3 | 3 |
| 2 | 3 | 2 | 3 |
| 3 | 3 | 4 | 3 |
| 4 | 3 | 3 | 3 |
| 5 | 3 | 2 | 4 |
| 6 | 3 | 3 | 3 |
| 7 | 3 | 3 | 4 |
| 8 | 3 | 3 | 3 |
| 9 | 3 | 2 | 3 |
| 10 | 3 | 4 | 3 |
| 11 | 4 | 4 | 3 |
| 12 | 3 | 3 | 4 |
| 13 | 2 | 2 | 2 |
| 14 | 3 | 3 | 2 |
| 15 | 3 | 2 | 3 |
| 16 | 3 | 3 | 4 |
| 17 | 2 | 3 | 2 |
| 18 | 3 | 3 | 3 |
| 19 | 2 | 2 | 2 |
| 20 | 2 | 3 | 2 |
| 21 | 3 | 2 | 3 |
| 22 | 2 | 2 | 2 |
| 23 | 3 | 3 | 3 |
| 24 | 3 | 3 | 3 |
| 25 | 2 | 2 | 2 |
| 26 | 3 | 2 | 3 |
| 27 | 2 | 3 | 2 |
| 28 | 3 | 2 | 3 |
| 29 | 2 | 2 | 2 |
| 30 | 3 | 2 | 3 |
| 31 | 3 | 2 | 3 |
| 32 | 3 | 3 | 2 |
| 33 | 3 | 2 | 3 |
| 34 | 3 | 3 | 4 |
| 35 | 3 | 3 | 3 |
| 36 | 3 | 3 | 3 |
| 37 | 3 | 3 | 3 |
| 38 | 4 | 4 | 4 |
| 39 | 2 | 2 | 1 |
| 40 | 4 | 3 | 4 |
| 41 | 3 | 3 | 4 |
| 42 | 4 | 3 | 4 |
| 43 | 3 | 2 | 3 |
| 44 | 3 | 3 | 4 |
| 45 | 3 | 2 | 4 |
| 46 | 3 | 3 | 3 |
| 47 | 3 | 3 | 2 |
| 48 | 3 | 4 | 3 |
| 49 | 3 | 3 | 3 |
| 50 | 4 | 4 | 4 |
| 51 | 3 | 3 | 3 |
| 52 | 3 | 3 | 3 |
| 53 | 4 | 3 | 4 |
| 54 | 3 | 4 | 3 |
| 55 | 3 | 2 | 3 |
| 56 | 3 | 4 | 4 |
| 57 | 3 | 3 | 4 |
| 58 | 3 | 3 | 3 |
| 59 | 3 | 3 | 3 |
| 60 | 3 | 3 | 3 |
| 61 | 3 | 4 | 3 |

Tabel Data Menesh Kuasiener Penelitian Keseluruhan (Lanjutan)

| Esep | Percobaan (Variabel Y) | | |
|------|------------------------|---|---|
| | 1 | 2 | 3 |
| 62 | 3 | 2 | 3 |
| 63 | 3 | 3 | 3 |
| 64 | 4 | 4 | 4 |
| 65 | 2 | 2 | 3 |
| 66 | 4 | 3 | 4 |
| 67 | 3 | 3 | 3 |
| 68 | 3 | 3 | 3 |
| 69 | 3 | 3 | 3 |
| 70 | 4 | 4 | 4 |
| 71 | 3 | 2 | 3 |
| 72 | 4 | 4 | 4 |
| 73 | 3 | 3 | 3 |
| 74 | 3 | 3 | 3 |
| 75 | 3 | 3 | 3 |
| 76 | 4 | 3 | 4 |
| 77 | 4 | 3 | 4 |
| 78 | 3 | 4 | 3 |
| 79 | 3 | 2 | 3 |
| 80 | 3 | 3 | 4 |
| 81 | 4 | 3 | 4 |
| 82 | 3 | 3 | 3 |
| 83 | 3 | 3 | 3 |
| 84 | 3 | 2 | 3 |
| 85 | 4 | 4 | 4 |
| 86 | 3 | 2 | 3 |
| 87 | 3 | 3 | 3 |
| 88 | 4 | 3 | 4 |
| 89 | 3 | 3 | 3 |
| 90 | 3 | 2 | 3 |
| 91 | 2 | 2 | 3 |
| 92 | 3 | 2 | 3 |
| 93 | 3 | 2 | 3 |
| 94 | 3 | 3 | 3 |
| 95 | 3 | 3 | 3 |
| 96 | 3 | 3 | 2 |
| 97 | 3 | 3 | 3 |
| 98 | 2 | 2 | 2 |
| 99 | 3 | 2 | 3 |
| 100 | 3 | 3 | 3 |
| 101 | 2 | 3 | 3 |
| 102 | 3 | 3 | 3 |
| 103 | 3 | 3 | 4 |
| 104 | 4 | 4 | 3 |
| 105 | 3 | 3 | 3 |
| 106 | 3 | 2 | 3 |
| 107 | 3 | 3 | 3 |
| 108 | 4 | 4 | 4 |
| 109 | 3 | 2 | 3 |
| 110 | 3 | 3 | 3 |
| 111 | 4 | 3 | 4 |
| 112 | 3 | 2 | 3 |
| 113 | 4 | 3 | 4 |
| 114 | 3 | 3 | 3 |
| 115 | 4 | 2 | 3 |
| 116 | 3 | 3 | 3 |
| 117 | 2 | 2 | 3 |
| 118 | 3 | 2 | 3 |
| 119 | 4 | 3 | 4 |
| 120 | 3 | 4 | 3 |

LAMPIRAN 5
Nilai-Nilai r Product Moment

| N | Taraf Signif | | N | Taraf Signif | | N | Taraf Signif | |
|-----------|--------------|-------|-----------|--------------|-------|-------------|--------------|-------|
| | 5% | 1% | | 5% | 1% | | 5% | 1% |
| 3 | 0,997 | 0,999 | 27 | 0,381 | 0,487 | 55 | 0,266 | 0,345 |
| 4 | 0,950 | 0,99 | 28 | 0,374 | 0,478 | 60 | 0,254 | 0,330 |
| 5 | 0,878 | 0,959 | 29 | 0,367 | 0,470 | 65 | 0,244 | 0,317 |
| 6 | 0,811 | 0,917 | 30 | 0,361 | 0,463 | 70 | 0,235 | 0,306 |
| 7 | 0,754 | 0,874 | 31 | 0,355 | 0,456 | 75 | 0,227 | 0,296 |
| 8 | 0,707 | 0,834 | 32 | 0,349 | 0,449 | 80 | 0,220 | 0,286 |
| 9 | 0,666 | 0,798 | 33 | 0,344 | 0,442 | 85 | 0,213 | 0,278 |
| 10 | 0,632 | 0,765 | 34 | 0,339 | 0,436 | 90 | 0,207 | 0,270 |
| 11 | 0,602 | 0,735 | 35 | 0,334 | 0,430 | 95 | 0,202 | 0,263 |
| 12 | 0,576 | 0,708 | 36 | 0,329 | 0,424 | 100 | 0,195 | 0,256 |
| 13 | 0,553 | 0,684 | 37 | 0,325 | 0,418 | 125 | 0,176 | 0,230 |
| 14 | 0,532 | 0,661 | 38 | 0,320 | 0,413 | 150 | 0,159 | 0,210 |
| 15 | 0,514 | 0,641 | 39 | 0,316 | 0,408 | 175 | 0,148 | 0,194 |
| 16 | 0,497 | 0,623 | 40 | 0,312 | 0,403 | 200 | 0,138 | 0,181 |
| 17 | 0,482 | 0,606 | 41 | 0,308 | 0,398 | 300 | 0,113 | 0,148 |
| 18 | 0,468 | 0,590 | 42 | 0,304 | 0,393 | 400 | 0,098 | 0,128 |
| 19 | 0,456 | 0,575 | 43 | 0,301 | 0,389 | 500 | 0,088 | 0,115 |
| 20 | 0,444 | 0,561 | 44 | 0,297 | 0,384 | 600 | 0,080 | 0,105 |
| 21 | 0,433 | 0,549 | 45 | 0,294 | 0,380 | 700 | 0,074 | 0,097 |
| 22 | 0,423 | 0,537 | 46 | 0,291 | 0,376 | 800 | 0,070 | 0,091 |
| 23 | 0,413 | 0,526 | 47 | 0,288 | 0,372 | 900 | 0,065 | 0,086 |
| 24 | 0,404 | 0,515 | 48 | 0,284 | 0,368 | 1000 | 0,062 | 0,081 |
| 25 | 0,396 | 0,505 | 49 | 0,281 | 0,364 | | | |
| 26 | 0,388 | 0,496 | 50 | 0,279 | 0,361 | | | |

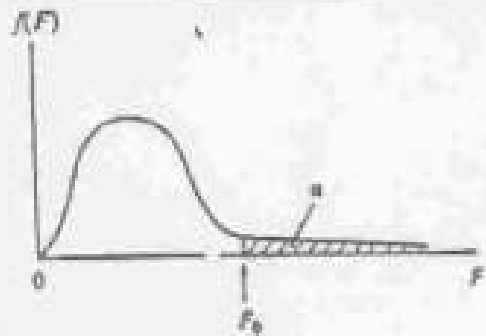
LAMPIRAN 6

Nilai-Nilai Sebaran Khi-Kuadrat

| v | α | | | | | | | |
|----|----------------------|----------------------|----------------------|----------------------|--------|--------|--------|--------|
| | 0,995 | 0,99 | 0,975 | 0,95 | 0,05 | 0,025 | 0,01 | 0,005 |
| 1 | 0,0 ⁴ 393 | 0,0 ³ 157 | 0,0 ³ 982 | 0,0 ² 393 | 3,841 | 5,024 | 6,635 | 7,879 |
| 2 | 0,0100 | 0,0201 | 0,0506 | 0,103 | 5,991 | 7,378 | 9,210 | 10,597 |
| 3 | 0,0717 | 0,115 | 0,216 | 0,352 | 7,815 | 9,348 | 11,345 | 12,838 |
| 4 | 0,207 | 0,297 | 0,484 | 0,711 | 9,488 | 11,143 | 13,277 | 14,860 |
| 5 | 0,412 | 0,554 | 0,831 | 1,145 | 11,070 | 12,832 | 15,086 | 16,750 |
| 6 | 0,676 | 0,872 | 1,237 | 1,635 | 12,592 | 14,449 | 16,812 | 18,548 |
| 7 | 0,989 | 1,239 | 1,690 | 2,167 | 14,067 | 16,013 | 18,475 | 20,278 |
| 8 | 1,344 | 1,646 | 2,180 | 2,733 | 15,507 | 17,535 | 20,09 | 21,955 |
| 9 | 1,735 | 2,088 | 2,700 | 3,325 | 16,919 | 19,023 | 21,666 | 23,589 |
| 10 | 2,156 | 2,558 | 3,247 | 3,940 | 18,307 | 20,483 | 23,209 | 25,188 |
| 11 | 2,603 | 3,053 | 3,816 | 4,575 | 19,675 | 21,920 | 24,725 | 26,757 |
| 12 | 3,074 | 3,571 | 4,404 | 5,226 | 21,026 | 23,337 | 26,217 | 28,300 |
| 13 | 3,565 | 4,107 | 5,009 | 5,892 | 22,362 | 24,736 | 27,688 | 29,819 |
| 14 | 4,075 | 4,660 | 5,629 | 6,571 | 23,685 | 26,119 | 29,141 | 31,319 |
| 15 | 4,601 | 5,229 | 6,262 | 7,261 | 24,996 | 27,488 | 30,578 | 32,801 |
| 16 | 5,142 | 5,812 | 6,908 | 7,962 | 26,296 | 28,845 | 32,000 | 34,267 |
| 17 | 5,697 | 6,408 | 7,564 | 8,672 | 27,587 | 30,191 | 33,409 | 35,718 |
| 18 | 6,265 | 7,015 | 8,231 | 9,390 | 28,869 | 31,526 | 34,805 | 37,156 |
| 19 | 6,844 | 7,633 | 8,907 | 10,117 | 30,144 | 32,852 | 36,191 | 38,582 |
| 20 | 7,434 | 8,260 | 9,591 | 10,851 | 31,410 | 34,170 | 37,566 | 39,997 |
| 21 | 8,034 | 8,897 | 10,283 | 11,591 | 32,671 | 35,479 | 38,932 | 41,401 |
| 22 | 8,643 | 9,542 | 10,982 | 12,338 | 33,924 | 36,781 | 40,289 | 42,796 |
| 23 | 9,260 | 10,196 | 11,689 | 13,091 | 35,172 | 38,076 | 41,638 | 44,181 |
| 24 | 9,886 | 10,856 | 12,401 | 13,848 | 36,415 | 39,364 | 42,980 | 45,558 |
| 25 | 10,520 | 11,524 | 13,120 | 14,611 | 37,652 | 40,646 | 44,314 | 46,928 |
| 26 | 11,160 | 12,198 | 13,844 | 15,379 | 38,885 | 41,923 | 45,642 | 48,290 |
| 27 | 11,808 | 12,879 | 14,573 | 16,151 | 40,113 | 43,194 | 46,963 | 49,645 |
| 28 | 12,461 | 13,565 | 15,308 | 16,928 | 41,337 | 44,461 | 48,278 | 50,993 |
| 29 | 13,121 | 14,256 | 16,047 | 17,708 | 42,557 | 45,722 | 49,588 | 52,336 |
| 30 | 13,787 | 14,953 | 16,791 | 18,493 | 43,773 | 46,979 | 50,892 | 53,672 |

LAMPIRAN 7
Nilai-Nilai Distribusi F

Table B-6 The F distribution ($\alpha = 0.10, 0.05, \text{ and } 0.01$)



Given α_1 and α_2 , the table gives the F_0 value with α of the area above it, that is,

$$P(F \geq F_0) = \alpha$$

| | | r_1 (numerator) | | | | | | | | | | | | | | | | | | | | | | | |
|-------|----------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|----------|------|------|
| r_2 | α | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 14 | 15 | 18 | 20 | 24 | 30 | 50 | 100 | 500 | ∞ | | |
| 1 | .10 | 39.9 | 49.5 | 53.6 | 55.8 | 57.2 | 58.2 | 58.9 | 59.4 | 59.8 | 60.2 | 60.5 | 60.7 | 61.1 | 61.2 | 61.6 | 61.7 | 62.0 | 62.3 | 62.7 | 63.0 | 63.3 | 63.3 | 63.3 | |
| | .05 | 161 | 200 | 216 | 223 | 229 | 234 | 237 | 239 | 241 | 242 | 243 | 244 | 245 | 246 | 248 | 248 | 249 | 250 | 252 | 253 | 254 | 254 | 254 | |
| | .01 | 1013 | 1292 | 1398 | 1445 | 1479 | 1500 | 1514 | 1523 | 1529 | 1533 | 1536 | 1538 | 1540 | 1541 | 1542 | 1543 | 1544 | 1544 | 1545 | 1545 | 1546 | 1546 | 1546 | 1546 |
| 2 | .10 | 8.33 | 9.00 | 9.18 | 9.24 | 9.28 | 9.31 | 9.33 | 9.35 | 9.37 | 9.38 | 9.39 | 9.40 | 9.41 | 9.42 | 9.42 | 9.44 | 9.44 | 9.45 | 9.46 | 9.47 | 9.48 | 9.49 | 9.49 | |
| | .05 | 18.5 | 19.0 | 19.2 | 19.2 | 19.3 | 19.3 | 19.4 | 19.4 | 19.4 | 19.4 | 19.4 | 19.4 | 19.4 | 19.4 | 19.4 | 19.4 | 19.4 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 |
| | .01 | 98.5 | 99.0 | 99.2 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| 3 | .10 | 5.54 | 5.46 | 5.39 | 5.34 | 5.31 | 5.28 | 5.27 | 5.25 | 5.24 | 5.23 | 5.22 | 5.22 | 5.22 | 5.20 | 5.20 | 5.18 | 5.18 | 5.18 | 5.17 | 5.15 | 5.14 | 5.14 | 5.14 | |
| | .05 | 10.1 | 9.55 | 9.28 | 9.12 | 9.10 | 8.94 | 8.89 | 8.85 | 8.81 | 8.79 | 8.76 | 8.74 | 8.71 | 8.70 | 8.67 | 8.66 | 8.64 | 8.63 | 8.59 | 8.55 | 8.53 | 8.53 | 8.53 | |
| | .01 | 34.1 | 30.8 | 29.5 | 28.7 | 28.3 | 27.8 | 27.7 | 27.5 | 27.3 | 27.3 | 27.3 | 27.1 | 27.1 | 26.9 | 26.9 | 26.7 | 26.7 | 26.6 | 26.5 | 26.4 | 26.2 | 26.1 | 26.1 | |
| 4 | .10 | 4.54 | 4.32 | 4.19 | 4.11 | 4.05 | 4.01 | 3.98 | 3.93 | 3.94 | 3.92 | 3.91 | 3.90 | 3.88 | 3.87 | 3.84 | 3.84 | 3.83 | 3.82 | 3.80 | 3.78 | 3.78 | 3.78 | 3.78 | |
| | .05 | 7.71 | 6.94 | 6.59 | 6.39 | 6.26 | 6.16 | 6.09 | 6.04 | 6.00 | 5.96 | 5.94 | 5.91 | 5.87 | 5.86 | 5.81 | 5.80 | 5.77 | 5.75 | 5.70 | 5.66 | 5.64 | 5.64 | 5.64 | |
| | .01 | 21.2 | 18.0 | 16.7 | 16.0 | 15.3 | 15.2 | 15.0 | 14.8 | 14.7 | 14.5 | 14.4 | 14.4 | 14.2 | 14.2 | 14.0 | 14.0 | 13.9 | 13.8 | 13.7 | 13.6 | 13.5 | 13.5 | 13.5 | |
| 5 | .10 | 4.06 | 3.78 | 3.62 | 3.52 | 3.45 | 3.40 | 3.37 | 3.34 | 3.32 | 3.30 | 3.28 | 3.27 | 3.25 | 3.24 | 3.21 | 3.21 | 3.19 | 3.17 | 3.15 | 3.13 | 3.13 | 3.11 | 3.11 | |
| | .05 | 6.61 | 5.79 | 5.41 | 5.19 | 5.05 | 4.95 | 4.88 | 4.82 | 4.77 | 4.74 | 4.71 | 4.68 | 4.64 | 4.62 | 4.57 | 4.56 | 4.53 | 4.50 | 4.44 | 4.41 | 4.37 | 4.37 | 4.37 | |
| | .01 | 18.28 | 13.27 | 12.06 | 11.39 | 10.97 | 10.67 | 10.46 | 10.29 | 10.16 | 10.05 | 9.96 | 9.89 | 9.77 | 9.72 | 9.58 | 9.55 | 9.47 | 9.38 | 9.34 | 9.13 | 9.04 | 9.04 | 9.04 | |

The degrees of freedom are r_1 for the numerator and r_2 for the denominator.

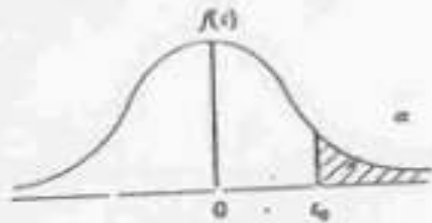
Table B-6 The F distribution ($\alpha = 0.10, 0.05, \text{ and } 0.01$)

| | | p_1 (numerator) | | | | | | | | | | | | | | | | | | | | | |
|-------|----------|-------------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|
| p_2 | α | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 14 | 15 | 19 | 20 | 24 | 30 | 50 | 100 | 500 | ∞ |
| 6 | .10 | 3.78 | 3.46 | 3.29 | 3.18 | 3.11 | 3.05 | 3.01 | 2.98 | 2.96 | 2.94 | 2.92 | 2.90 | 2.88 | 2.87 | 2.84 | 2.84 | 2.82 | 2.80 | 2.77 | 2.75 | 2.73 | 2.72 |
| | .05 | 5.99 | 5.14 | 4.76 | 4.53 | 4.39 | 4.28 | 4.21 | 4.15 | 4.10 | 4.06 | 4.03 | 4.00 | 3.96 | 3.94 | 3.88 | 3.87 | 3.84 | 3.81 | 3.75 | 3.71 | 3.68 | 3.67 |
| | .01 | 13.74 | 10.92 | 9.78 | 9.15 | 8.75 | 8.47 | 8.26 | 8.10 | 7.98 | 7.87 | 7.79 | 7.72 | 7.60 | 7.56 | 7.42 | 7.40 | 7.31 | 7.23 | 7.09 | 6.99 | 6.90 | 6.88 |
| 7 | .10 | 3.59 | 3.26 | 3.07 | 2.96 | 2.88 | 2.83 | 2.78 | 2.75 | 2.72 | 2.70 | 2.68 | 2.67 | 2.64 | 2.63 | 2.60 | 2.59 | 2.58 | 2.56 | 2.52 | 2.50 | 2.48 | 2.47 |
| | .05 | 5.59 | 4.74 | 4.35 | 4.12 | 3.97 | 3.87 | 3.79 | 3.73 | 3.68 | 3.64 | 3.60 | 3.57 | 3.53 | 3.51 | 3.46 | 3.44 | 3.41 | 3.38 | 3.32 | 3.27 | 3.24 | 3.23 |
| | .01 | 12.25 | 9.55 | 8.45 | 7.85 | 7.46 | 7.19 | 6.99 | 6.84 | 6.72 | 6.62 | 6.54 | 6.47 | 6.36 | 6.31 | 6.18 | 6.16 | 6.07 | 5.99 | 5.86 | 5.75 | 5.67 | 5.65 |
| 8 | .10 | 3.46 | 3.11 | 2.92 | 2.81 | 2.73 | 2.67 | 2.62 | 2.59 | 2.56 | 2.54 | 2.52 | 2.50 | 2.47 | 2.46 | 2.43 | 2.42 | 2.40 | 2.38 | 2.35 | 2.32 | 2.30 | 2.29 |
| | .05 | 5.32 | 4.46 | 4.07 | 3.84 | 3.69 | 3.58 | 3.50 | 3.44 | 3.39 | 3.35 | 3.31 | 3.28 | 3.24 | 3.22 | 3.16 | 3.15 | 3.12 | 3.08 | 3.02 | 2.97 | 2.94 | 2.93 |
| | .01 | 11.26 | 8.65 | 7.59 | 7.01 | 6.63 | 6.37 | 6.18 | 6.03 | 5.91 | 5.81 | 5.73 | 5.67 | 5.56 | 5.52 | 5.38 | 5.36 | 5.28 | 5.20 | 5.07 | 4.96 | 4.88 | 4.86 |
| 9 | .10 | 3.36 | 3.01 | 2.81 | 2.69 | 2.61 | 2.55 | 2.51 | 2.47 | 2.44 | 2.42 | 2.40 | 2.38 | 2.35 | 2.34 | 2.31 | 2.30 | 2.28 | 2.25 | 2.22 | 2.19 | 2.17 | 2.16 |
| | .05 | 5.12 | 4.26 | 3.86 | 3.63 | 3.48 | 3.37 | 3.29 | 3.23 | 3.18 | 3.14 | 3.10 | 3.07 | 3.03 | 3.01 | 2.95 | 2.94 | 2.90 | 2.86 | 2.80 | 2.76 | 2.72 | 2.71 |
| | .01 | 10.56 | 8.02 | 6.99 | 6.42 | 6.06 | 5.80 | 5.61 | 5.47 | 5.35 | 5.26 | 5.18 | 5.11 | 5.00 | 4.96 | 4.83 | 4.81 | 4.73 | 4.65 | 4.52 | 4.42 | 4.33 | 4.31 |
| 10 | .10 | 3.28 | 2.92 | 2.73 | 2.61 | 2.52 | 2.46 | 2.41 | 2.38 | 2.35 | 2.32 | 2.30 | 2.28 | 2.25 | 2.24 | 2.21 | 2.20 | 2.18 | 2.16 | 2.12 | 2.09 | 2.06 | 2.06 |
| | .05 | 4.96 | 4.10 | 3.71 | 3.48 | 3.33 | 3.22 | 3.14 | 3.07 | 3.02 | 2.98 | 2.94 | 2.91 | 2.86 | 2.85 | 2.78 | 2.77 | 2.74 | 2.70 | 2.64 | 2.59 | 2.55 | 2.54 |
| | .01 | 10.04 | 7.56 | 6.55 | 5.99 | 5.64 | 5.39 | 5.20 | 5.06 | 4.94 | 4.85 | 4.77 | 4.71 | 4.60 | 4.56 | 4.43 | 4.41 | 4.33 | 4.25 | 4.12 | 4.01 | 3.93 | 3.91 |
| 11 | .10 | 3.23 | 2.86 | 2.66 | 2.54 | 2.45 | 2.39 | 2.34 | 2.30 | 2.27 | 2.25 | 2.23 | 2.21 | 2.18 | 2.17 | 2.13 | 2.12 | 2.10 | 2.08 | 2.04 | 2.00 | 1.98 | 1.97 |
| | .05 | 4.84 | 3.98 | 3.59 | 3.36 | 3.20 | 3.09 | 3.01 | 2.95 | 2.90 | 2.85 | 2.82 | 2.79 | 2.74 | 2.72 | 2.66 | 2.65 | 2.61 | 2.57 | 2.51 | 2.46 | 2.42 | 2.40 |
| | .01 | 9.65 | 7.21 | 6.22 | 5.67 | 5.32 | 5.07 | 4.89 | 4.74 | 4.63 | 4.54 | 4.46 | 4.40 | 4.29 | 4.25 | 4.12 | 4.10 | 4.02 | 3.94 | 3.81 | 3.71 | 3.62 | 3.60 |
| 12 | .10 | 3.18 | 2.81 | 2.61 | 2.48 | 2.39 | 2.33 | 2.28 | 2.24 | 2.21 | 2.19 | 2.17 | 2.15 | 2.11 | 2.10 | 2.07 | 2.06 | 2.04 | 2.01 | 1.97 | 1.94 | 1.91 | 1.90 |
| | .05 | 4.75 | 3.89 | 3.49 | 3.26 | 3.11 | 3.00 | 2.91 | 2.85 | 2.80 | 2.75 | 2.72 | 2.69 | 2.64 | 2.62 | 2.56 | 2.54 | 2.51 | 2.47 | 2.40 | 2.35 | 2.31 | 2.30 |
| | .01 | 9.35 | 6.93 | 5.95 | 5.41 | 5.06 | 4.82 | 4.64 | 4.50 | 4.39 | 4.30 | 4.22 | 4.16 | 4.05 | 4.01 | 3.88 | 3.86 | 3.78 | 3.70 | 3.57 | 3.47 | 3.38 | 3.36 |
| 14 | .10 | 3.10 | 2.73 | 2.52 | 2.39 | 2.31 | 2.24 | 2.19 | 2.15 | 2.12 | 2.10 | 2.08 | 2.05 | 2.02 | 2.01 | 1.97 | 1.96 | 1.94 | 1.91 | 1.87 | 1.83 | 1.80 | 1.80 |
| | .05 | 4.60 | 3.74 | 3.34 | 3.11 | 2.96 | 2.85 | 2.76 | 2.70 | 2.65 | 2.60 | 2.57 | 2.53 | 2.48 | 2.46 | 2.40 | 2.39 | 2.35 | 2.31 | 2.24 | 2.19 | 2.14 | 2.14 |
| | .01 | 8.86 | 6.51 | 5.56 | 5.04 | 4.69 | 4.46 | 4.28 | 4.14 | 4.03 | 3.94 | 3.86 | 3.80 | 3.70 | 3.66 | 3.53 | 3.51 | 3.43 | 3.35 | 3.22 | 3.11 | 3.03 | 3.00 |
| 15 | .10 | 3.07 | 2.70 | 2.49 | 2.36 | 2.27 | 2.21 | 2.16 | 2.12 | 2.09 | 2.06 | 2.04 | 2.02 | 1.98 | 1.97 | 1.93 | 1.92 | 1.90 | 1.87 | 1.83 | 1.79 | 1.76 | 1.77 |
| | .05 | 4.54 | 3.68 | 3.29 | 3.06 | 2.90 | 2.79 | 2.71 | 2.64 | 2.59 | 2.54 | 2.51 | 2.48 | 2.42 | 2.40 | 2.34 | 2.33 | 2.29 | 2.25 | 2.18 | 2.12 | 2.08 | 2.08 |
| | .01 | 8.68 | 6.36 | 5.42 | 4.89 | 4.56 | 4.32 | 4.14 | 4.00 | 3.89 | 3.80 | 3.73 | 3.67 | 3.56 | 3.52 | 3.40 | 3.37 | 3.29 | 3.21 | 3.08 | 2.98 | 2.89 | 2.88 |
| 16 | .10 | 3.05 | 2.67 | 2.46 | 2.33 | 2.24 | 2.18 | 2.13 | 2.09 | 2.06 | 2.03 | 2.01 | 1.99 | 1.95 | 1.94 | 1.90 | 1.89 | 1.87 | 1.84 | 1.79 | 1.76 | 1.73 | 1.73 |
| | .05 | 4.49 | 3.63 | 3.24 | 3.01 | 2.85 | 2.74 | 2.66 | 2.59 | 2.54 | 2.49 | 2.46 | 2.42 | 2.37 | 2.35 | 2.29 | 2.28 | 2.24 | 2.19 | 2.12 | 2.07 | 2.02 | 2.02 |
| | .01 | 8.45 | 6.15 | 5.22 | 4.70 | 4.37 | 4.14 | 3.96 | 3.82 | 3.71 | 3.62 | 3.55 | 3.49 | 3.38 | 3.34 | 3.22 | 3.20 | 3.12 | 3.04 | 2.91 | 2.81 | 2.72 | 2.71 |

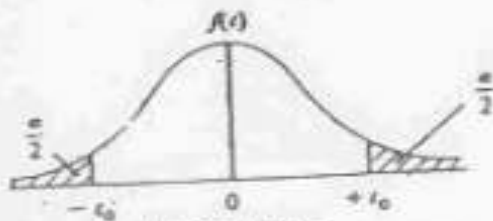
Table B-6 The F distribution ($\alpha = 0.10, 0.05, \text{ and } 0.01$)

| | | r_1 (numerator) | | | | | | | | | | | | | | | | | | | | | |
|----------|----------|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|
| r_2 | α | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 14 | 15 | 19 | 20 | 24 | 30 | 50 | 100 | 500 | ∞ |
| 18 | .10 | 3.01 | 2.67 | 2.42 | 2.29 | 2.20 | 2.13 | 2.08 | 2.04 | 2.00 | 1.98 | 1.96 | 1.93 | 1.90 | 1.89 | 1.85 | 1.84 | 1.81 | 1.78 | 1.74 | 1.70 | 1.67 | 1.66 |
| | .05 | 4.41 | 3.53 | 3.16 | 2.93 | 2.77 | 2.66 | 2.58 | 2.51 | 2.46 | 2.41 | 2.37 | 2.34 | 2.29 | 2.27 | 2.20 | 2.19 | 2.15 | 2.11 | 2.04 | 1.98 | 1.93 | 1.92 |
| | .01 | 8.29 | 6.01 | 5.09 | 4.58 | 4.25 | 4.01 | 3.84 | 3.71 | 3.60 | 3.51 | 3.43 | 3.37 | 3.27 | 3.23 | 3.10 | 3.08 | 3.00 | 2.92 | 2.78 | 2.68 | 2.59 | 2.57 |
| 19 | .10 | 2.99 | 2.61 | 2.40 | 2.27 | 2.18 | 2.11 | 2.06 | 2.02 | 1.98 | 1.96 | 1.94 | 1.91 | 1.87 | 1.86 | 1.82 | 1.81 | 1.79 | 1.76 | 1.71 | 1.67 | 1.64 | 1.63 |
| | .05 | 4.38 | 3.52 | 3.13 | 2.90 | 2.74 | 2.63 | 2.54 | 2.48 | 2.42 | 2.38 | 2.34 | 2.31 | 2.26 | 2.23 | 2.17 | 2.16 | 2.11 | 2.07 | 2.00 | 1.94 | 1.89 | 1.88 |
| | .01 | 8.18 | 5.93 | 5.01 | 4.50 | 4.17 | 3.94 | 3.77 | 3.63 | 3.52 | 3.43 | 3.36 | 3.30 | 3.19 | 3.15 | 3.03 | 3.00 | 2.92 | 2.84 | 2.71 | 2.60 | 2.51 | 2.49 |
| 20 | .10 | 2.97 | 2.59 | 2.38 | 2.25 | 2.16 | 2.09 | 2.04 | 2.00 | 1.96 | 1.94 | 1.92 | 1.89 | 1.85 | 1.84 | 1.80 | 1.79 | 1.77 | 1.74 | 1.69 | 1.65 | 1.62 | 1.61 |
| | .05 | 4.35 | 3.49 | 3.10 | 2.87 | 2.71 | 2.60 | 2.51 | 2.45 | 2.39 | 2.35 | 2.31 | 2.28 | 2.22 | 2.20 | 2.14 | 2.12 | 2.08 | 2.04 | 1.97 | 1.91 | 1.86 | 1.84 |
| | .01 | 8.10 | 5.85 | 4.94 | 4.43 | 4.10 | 3.87 | 3.70 | 3.56 | 3.46 | 3.37 | 3.29 | 3.23 | 3.13 | 3.09 | 2.96 | 2.94 | 2.86 | 2.78 | 2.64 | 2.54 | 2.44 | 2.42 |
| 24 | .10 | 2.93 | 2.54 | 2.33 | 2.19 | 2.10 | 2.04 | 1.98 | 1.94 | 1.91 | 1.88 | 1.85 | 1.83 | 1.79 | 1.78 | 1.74 | 1.73 | 1.70 | 1.67 | 1.62 | 1.58 | 1.54 | 1.53 |
| | .05 | 4.26 | 3.40 | 3.01 | 2.78 | 2.62 | 2.51 | 2.42 | 2.36 | 2.30 | 2.25 | 2.21 | 2.18 | 2.13 | 2.11 | 2.04 | 2.03 | 1.98 | 1.94 | 1.86 | 1.80 | 1.75 | 1.73 |
| | .01 | 7.82 | 5.61 | 4.72 | 4.22 | 3.90 | 3.67 | 3.50 | 3.36 | 3.26 | 3.17 | 3.09 | 3.03 | 2.93 | 2.89 | 2.76 | 2.74 | 2.66 | 2.58 | 2.44 | 2.33 | 2.24 | 2.21 |
| 30 | .10 | 2.88 | 2.49 | 2.28 | 2.14 | 2.05 | 1.98 | 1.93 | 1.88 | 1.85 | 1.82 | 1.79 | 1.77 | 1.73 | 1.72 | 1.68 | 1.67 | 1.64 | 1.61 | 1.53 | 1.51 | 1.47 | 1.46 |
| | .05 | 4.17 | 3.32 | 2.92 | 2.69 | 2.53 | 2.42 | 2.33 | 2.27 | 2.21 | 2.16 | 2.13 | 2.09 | 2.04 | 2.01 | 1.95 | 1.93 | 1.89 | 1.84 | 1.76 | 1.70 | 1.64 | 1.62 |
| | .01 | 7.56 | 5.39 | 4.51 | 4.02 | 3.70 | 3.47 | 3.30 | 3.17 | 3.07 | 2.98 | 2.91 | 2.84 | 2.74 | 2.70 | 2.57 | 2.55 | 2.47 | 2.39 | 2.25 | 2.13 | 2.03 | 2.01 |
| 50 | .10 | 2.81 | 2.41 | 2.20 | 2.06 | 1.97 | 1.90 | 1.84 | 1.80 | 1.76 | 1.73 | 1.70 | 1.68 | 1.64 | 1.63 | 1.58 | 1.57 | 1.54 | 1.50 | 1.44 | 1.39 | 1.34 | 1.33 |
| | .05 | 4.03 | 3.18 | 2.79 | 2.56 | 2.40 | 2.29 | 2.20 | 2.13 | 2.07 | 2.03 | 1.99 | 1.95 | 1.89 | 1.87 | 1.80 | 1.78 | 1.74 | 1.69 | 1.60 | 1.52 | 1.46 | 1.44 |
| | .01 | 7.17 | 5.06 | 4.20 | 3.72 | 3.41 | 3.19 | 3.02 | 2.89 | 2.79 | 2.70 | 2.63 | 2.56 | 2.46 | 2.42 | 2.29 | 2.27 | 2.18 | 2.10 | 1.95 | 1.82 | 1.71 | 1.61 |
| 100 | .10 | 2.76 | 2.36 | 2.14 | 2.00 | 1.91 | 1.85 | 1.78 | 1.73 | 1.70 | 1.66 | 1.63 | 1.61 | 1.57 | 1.56 | 1.50 | 1.49 | 1.46 | 1.42 | 1.35 | 1.29 | 1.23 | 1.2 |
| | .05 | 3.94 | 3.09 | 2.70 | 2.46 | 2.31 | 2.19 | 2.10 | 2.03 | 1.97 | 1.93 | 1.89 | 1.85 | 1.79 | 1.77 | 1.69 | 1.68 | 1.63 | 1.57 | 1.48 | 1.39 | 1.31 | 1.2 |
| | .01 | 6.90 | 4.82 | 3.98 | 3.51 | 3.21 | 2.99 | 2.82 | 2.69 | 2.59 | 2.50 | 2.43 | 2.37 | 2.26 | 2.22 | 2.09 | 2.07 | 1.98 | 1.89 | 1.73 | 1.60 | 1.47 | 1.4 |
| 500 | .10 | 2.72 | 2.31 | 2.10 | 1.96 | 1.86 | 1.79 | 1.73 | 1.68 | 1.64 | 1.61 | 1.58 | 1.56 | 1.52 | 1.50 | 1.45 | 1.44 | 1.41 | 1.36 | 1.28 | 1.21 | 1.12 | 1.0 |
| | .05 | 3.86 | 3.01 | 2.62 | 2.39 | 2.23 | 2.12 | 2.03 | 1.96 | 1.90 | 1.85 | 1.81 | 1.77 | 1.71 | 1.69 | 1.61 | 1.59 | 1.54 | 1.48 | 1.38 | 1.28 | 1.16 | 1.1 |
| | .01 | 6.69 | 4.65 | 3.82 | 3.36 | 3.05 | 2.84 | 2.68 | 2.55 | 2.44 | 2.36 | 2.28 | 2.22 | 2.12 | 2.07 | 1.94 | 1.92 | 1.83 | 1.74 | 1.56 | 1.41 | 1.23 | 1.1 |
| ∞ | .10 | 2.71 | 2.30 | 2.08 | 1.94 | 1.85 | 1.77 | 1.72 | 1.67 | 1.63 | 1.60 | 1.57 | 1.55 | 1.51 | 1.49 | 1.43 | 1.42 | 1.38 | 1.34 | 1.26 | 1.18 | 1.08 | 1.0 |
| | .05 | 3.84 | 3.00 | 2.60 | 2.37 | 2.21 | 2.10 | 2.01 | 1.94 | 1.88 | 1.83 | 1.79 | 1.75 | 1.69 | 1.67 | 1.59 | 1.57 | 1.52 | 1.46 | 1.35 | 1.24 | 1.11 | 1.0 |
| | .01 | 6.63 | 4.61 | 3.78 | 3.32 | 3.02 | 2.80 | 2.64 | 2.51 | 2.41 | 2.32 | 2.25 | 2.18 | 2.08 | 2.04 | 1.90 | 1.88 | 1.79 | 1.70 | 1.52 | 1.36 | 1.15 | 1.0 |

LAMPIRAN 8
Nilai-Nilai Distribusi t



(a) One-tail α



(b) Two-tail α

Given α , the table gives (a) the one-tail t_0 value with α of the area above it, that is, $P(t \geq t_0) = \alpha$, or (b) the two-tail $+t_0$ and $-t_0$ values with $\alpha/2$ in each tail, that is, $P(t \leq -t_0) + P(t \geq +t_0) = \alpha$

| ν | One-tail α | | | | | |
|-------|-------------------|-------|--------|--------|--------|---------|
| | 0.10 | 0.05 | 0.025 | 0.01 | 0.005 | 0.001 |
| | Two-tail α | | | | | |
| | 0.20 | 0.10 | 0.05 | 0.02 | 0.01 | 0.002 |
| 1 | 3.078 | 6.314 | 12.706 | 31.821 | 63.657 | 318.300 |
| 2 | 1.886 | 2.920 | 4.303 | 6.965 | 9.925 | 22.327 |
| 3 | 1.638 | 2.353 | 3.182 | 4.541 | 5.841 | 10.214 |
| 4 | 1.533 | 2.132 | 2.776 | 3.747 | 4.604 | 7.173 |
| 5 | 1.476 | 2.015 | 2.571 | 3.305 | 4.032 | 5.893 |
| 6 | 1.440 | 1.943 | 2.447 | 3.143 | 3.707 | 5.208 |
| 7 | 1.415 | 1.895 | 2.365 | 2.998 | 3.499 | 4.785 |
| 8 | 1.397 | 1.860 | 2.306 | 2.896 | 3.355 | 4.501 |
| 9 | 1.383 | 1.833 | 2.262 | 2.821 | 3.250 | 4.297 |
| 10 | 1.372 | 1.812 | 2.228 | 2.764 | 3.169 | 4.144 |
| 11 | 1.363 | 1.796 | 2.201 | 2.718 | 3.106 | 4.025 |
| 12 | 1.356 | 1.782 | 2.179 | 2.681 | 3.055 | 3.930 |
| 13 | 1.350 | 1.771 | 2.160 | 2.650 | 3.012 | 3.852 |
| 14 | 1.345 | 1.761 | 2.145 | 2.624 | 2.977 | 3.787 |
| 15 | 1.341 | 1.753 | 2.131 | 2.602 | 2.947 | 3.733 |
| 16 | 1.337 | 1.746 | 2.120 | 2.583 | 2.921 | 3.686 |
| 17 | 1.333 | 1.740 | 2.110 | 2.567 | 2.898 | 3.646 |
| 18 | 1.330 | 1.734 | 2.101 | 2.552 | 2.878 | 3.611 |
| 19 | 1.328 | 1.729 | 2.093 | 2.539 | 2.861 | 3.579 |
| 20 | 1.325 | 1.725 | 2.086 | 2.528 | 2.845 | 3.552 |
| 21 | 1.323 | 1.721 | 2.080 | 2.518 | 2.831 | 3.527 |
| 22 | 1.321 | 1.717 | 2.074 | 2.508 | 2.819 | 3.505 |
| 23 | 1.319 | 1.714 | 2.069 | 2.500 | 2.807 | 3.485 |
| 24 | 1.318 | 1.711 | 2.064 | 2.492 | 2.797 | 3.467 |
| 25 | 1.316 | 1.708 | 2.060 | 2.485 | 2.787 | 3.450 |

TABLE D-5 THE F-DISTRIBUTION

| v | One-tail α | | | | | |
|----------|-------------------|-------|-------|-------|-------|-------|
| | 0.10 | 0.05 | 0.025 | 0.01 | 0.005 | 0.001 |
| v | Two-tail α | | | | | |
| | 0.20 | 0.10 | 0.05 | 0.02 | 0.01 | 0.002 |
| 26 | 1.315 | 1.706 | 2.056 | 2.479 | 2.779 | 3.435 |
| 27 | 1.314 | 1.703 | 2.052 | 2.473 | 2.771 | 3.421 |
| 28 | 1.313 | 1.701 | 2.048 | 2.467 | 2.763 | 3.408 |
| 29 | 1.311 | 1.699 | 2.045 | 2.462 | 2.756 | 3.396 |
| 30 | 1.310 | 1.697 | 2.042 | 2.457 | 2.750 | 3.385 |
| 40 | 1.303 | 1.684 | 2.021 | 2.423 | 2.704 | 3.307 |
| 60 | 1.296 | 1.671 | 2.000 | 2.390 | 2.660 | 3.232 |
| 80 | 1.292 | 1.664 | 1.990 | 2.374 | 2.639 | 3.195 |
| 100 | 1.290 | 1.660 | 1.984 | 2.365 | 2.626 | 3.174 |
| ∞ | 1.282 | 1.645 | 1.960 | 2.326 | 2.576 | 3.090 |