

PENGARUH PERENCANAAN ANGGARAN, PENGADAAN BARANG/JASA DAN KOMPETENSI SUMBER DAYA MANUSIA TERHADAP PENYERAPAN ANGGARAN PADA PEMERINTAH PROVINSI SUMATERA SELATAN

A. Identitas Responden

Petunjuk A: Isilah titik-titik dibawah ini.

1. Jenis Kelamin : Laki-laki / Perempuan
2. Jabatan : KPA / PPK/PPTK/PP-SPM/ Bendahara Pengeluaran
3. Lama Bekerja : Tahun
4. Pendidikan : (S3, S2, S1, Diploma, SLTA, Lainnya)*.....
5. Bid. Pendidikan :
6. Satuan Kerja :

B. Pertanyaan Pilihan

Petunjuk B:

Berilah tanda silang (X) pada pilihan jawaban sesuai dengan persepsi Saudara berdasarkan keterangan nilai seperti di bawah ini:

Keterangan I:

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

Keterangan II:

TP: Tidak Pernah; **P:** Pernah; **K:** Kadang-kadang; **SR:** Sering; **SL:** Selalu

Variabel Y Penyerapan Anggaran

| No. | Pertanyaan | SS (1) | S (2) | K (3) | TS(4) | STS(5) |
|--|--|--------|-------|-------|-------|--------|
| Kondisi Penyerapan Anggaran OPD | | | | | | |
| 1 | Tingkat penyerapan anggaran belum mencapai lebih dari 90%. | | | | | |
| 2 | Tingkat penyerapan anggaran menurun dari tahun sebelumnya. | | | | | |
| 3 | Persentase penyerapan anggaran pada OPD pernah mendapat raport merah | | | | | |

Sumber: Aji Surya Atma Negara, 2017

Variabel X1 Perencanaan Anggaran

| No | Pertanyaan | SL(5) | SR(4) | K(3) | P(2) | TP(1) |
|--------------------------------------|--|-------|-------|------|------|-------|
| Proses Penyusunan Perencanaan | | | | | | |
| 1 | Dalam proses perencanaan, penyusunan anggaran sering terdapat program/kegiatan yang kurang realistis | | | | | |
| 2 | Dalam penyusunan dokumen, terdapat mata anggaran yang tidak tersedia untuk kegiatan tertentu | | | | | |
| 3 | OPD banyak mengalami kendala teknis (aplikasi, Komputer) dalam proses penyusunan anggaran | | | | | |
| Kondisi Penyusunan Dokumen | | | | | | |
| 4 | Penetapan DPA oleh OPD sudah tepat waktu | | | | | |
| 5 | Perencanaan anggaran di OPD sering | | | | | |

| | | | | | | |
|--------------------------------------|--|--|--|--|--|--|
| | mengalami kertelambatan | | | | | |
| 6 | Waktu yang disediakan untuk penyusunan anggaran terbatas | | | | | |
| Pembahasan Anggaran | | | | | | |
| 7 | Anggaran kegiatan diblokir karena belum ada data pendukung atau harus ada persetujuan dari DPRD | | | | | |
| 8 | Lamanya proses pembahasan anggaran di DPRD | | | | | |
| 9 | Perencanaan yang tidak matang menyebabkan adanya revisi, sehingga kegiatan sulit atau terlambat dieksekusi | | | | | |
| Revisi oleh Pejabat Berwenang | | | | | | |
| 10 | DPA sering mengalami revisi karena tidak sesuai dengan kebutuhan | | | | | |
| 11 | Proses revisi DPA sering mengalami keterlambatan | | | | | |
| 12 | Persetujuan revisi DPA dari DPRD terlambat diterima | | | | | |

Sumber: Aji Surya Atma Negara, 2017

Variabel X2 Pengadaan Barang/Jasa

| No | Pertanyaan | SL(5) | SR(4) | K(3) | P(2) | TP(1) |
|-------------------------------------|---|-------|-------|------|------|-------|
| Penyusunan Panitia Pengadaan | | | | | | |
| 13 | Surat Keputusan penunjukkan/penggantian Pejabat Perbendaharaan KPA, PPK, PP-SPM, dan Bendahara Pengeluaran terlambat ditetapkan | | | | | |
| 14 | Surat keputusan penunjukkan panitia pelaksana lelang terlambat ditetapkan | | | | | |
| 15 | Surat keputusan penunjukkan panitia pelaksana swakelola belum ditetapkan | | | | | |
| Penyusunan Standar Harga | | | | | | |
| 16 | Harga satuan barang/jasa yang ditetapkan dalam standar biaya (SBU/SBK) terlalu rendah/tinggi | | | | | |
| 17 | HPS ditentukan berdasarkan keahlian dan melalui survey pasar | | | | | |
| 18 | Kesulitan dalam menentukan harga perkiraan sendiri | | | | | |
| Pelaksanaan Lelang | | | | | | |
| 19 | Dalam proses lelang pengadaan barang dan jasa sering terdapat sanggahan dari para peserta lelang. | | | | | |
| 20 | Proses lelang pengadaan barang dan jasa membutuhkan waktu yang cukup lama | | | | | |
| 21 | Dalam proses lelang, biaya di lapangan tidak sesuai dengan standar biaya umum (SBU) dan standar biaya khusus (SBK), | | | | | |

| | | | | | | |
|----|---|--|--|--|--|--|
| | sehingga terjadi pelelangan ulang/peserta lelang menjadi terbatas. | | | | | |
| 22 | Tidak mengumumkan rencana pengadaan atau hanya mengumumkan rencana pengadaan sebagian atau tidak seluruhnya | | | | | |
| 23 | Kontrak belum ditandatangani karena terdapat berbagai permasalahan seperti menunggu persetujuan tender. | | | | | |

Sumber: Aji Surya Atma Negara, 2017

Variabel X3 Kompetensi Sumber Daya Manusia

| No | Pertanyaan | SL(5) | SR(4) | K(3) | P(2) | TP(1) |
|---------------------------------|--|-------|-------|------|------|-------|
| Pengalaman Kerja | | | | | | |
| 24 | Pejabat pengelola keuangan di OPD telah lama bekerja sesuai bidang keahliannya | | | | | |
| 25 | Ketakutan pejabat melaksanakan pengadaan akibat pemberitaan penangkapan pejabat dengan tuduhan korupsi | | | | | |
| 26 | Keengganan untuk menjadi pejabat pengadaan karena tidak seimbang resiko pekerjaan dengan imbalan | | | | | |
| Pelatihan/Training | | | | | | |
| 27 | Pejabat Pengelola Keuangan di OPD telah mengikuti pelatihan pengelola keuangan | | | | | |
| 28 | SDM di satuan kerja telah mengikuti pelatihan sertifikasi pengadaan barang dan jasa | | | | | |
| Pendidikan | | | | | | |
| 29 | Terbatasnya SDM yang sesuai bidang keuangan sehingga kurangnya pemahaman terhadap mekanisme pencairan | | | | | |
| 30 | Terbatasnya pejabat pengelola keuangan yang sesuai keahlian pendidikannya, sehingga terjadi rangkap tugas | | | | | |
| 31 | Terbatasnya SDM pengadaan barang dan jasa yang bersertifikat dan sesuai keahliannya sehingga menyebabkan pelaksanaan kurang kompeten | | | | | |
| Dukungan dan Penghargaan | | | | | | |
| 32 | Tidak adanya mekanisme reward dan punishment dalam pengelolaan anggaran di satuan kerja | | | | | |
| 33 | Pimpinan selalu memberikan dukungan dan bimbingan dalam melaksanakan kegiatan | | | | | |
| 34 | Pimpinan selalu memeberikan bimbingan dalam hal koordinasi program dan kegiatan | | | | | |

| | | | | | | |
|----|--|--|--|--|--|--|
| 35 | Pimpinan selalu melakukan koordinasi dengan instansi terkait dengan pecairan dana APBD | | | | | |
|----|--|--|--|--|--|--|

Sumber: Aji Surya Atma Negara, 2017

Lampiran 10 Hasil Tabulasi Data

| No | PA1 | PA2 | PA3 | TOTAL PA |
|----|-----|-----|-----|----------|
| 1 | 2 | 2 | 2 | 6 |
| 2 | 1 | 1 | 1 | 3 |
| 3 | 2 | 2 | 2 | 6 |
| 4 | 2 | 2 | 2 | 6 |
| 5 | 1 | 2 | 1 | 4 |
| 6 | 1 | 1 | 1 | 3 |
| 7 | 1 | 1 | 1 | 3 |
| 8 | 2 | 2 | 2 | 6 |
| 9 | 2 | 2 | 2 | 6 |
| 10 | 2 | 2 | 2 | 6 |
| 11 | 1 | 1 | 1 | 3 |
| 12 | 2 | 4 | 1 | 7 |
| 13 | 3 | 3 | 1 | 7 |
| 14 | 1 | 1 | 1 | 3 |
| 15 | 1 | 1 | 1 | 3 |
| 16 | 3 | 2 | 2 | 7 |
| 17 | 2 | 2 | 2 | 6 |
| 18 | 3 | 2 | 1 | 6 |
| 19 | 2 | 2 | 1 | 5 |
| 20 | 2 | 1 | 1 | 4 |
| 21 | 2 | 2 | 1 | 5 |
| 22 | 2 | 2 | 2 | 6 |
| 23 | 2 | 2 | 2 | 6 |
| 24 | 2 | 2 | 1 | 5 |
| 25 | 2 | 2 | 2 | 6 |
| 26 | 2 | 2 | 2 | 6 |
| 27 | 2 | 2 | 2 | 6 |
| 28 | 4 | 2 | 2 | 8 |
| 29 | 4 | 4 | 1 | 9 |
| 30 | 4 | 4 | 1 | 9 |
| 31 | 1 | 1 | 1 | 3 |
| 32 | 2 | 2 | 2 | 6 |
| 33 | 3 | 2 | 3 | 8 |
| 34 | 1 | 1 | 1 | 3 |
| 35 | 1 | 1 | 1 | 3 |
| 36 | 2 | 2 | 2 | 6 |
| 37 | 4 | 3 | 2 | 9 |
| 38 | 2 | 2 | 2 | 6 |
| 39 | 2 | 2 | 2 | 6 |
| 40 | 1 | 1 | 1 | 3 |
| 41 | 3 | 2 | 1 | 6 |
| 42 | 2 | 3 | 2 | 7 |
| 43 | 2 | 2 | 1 | 5 |
| 44 | 3 | 3 | 2 | 8 |

| | | | | |
|----|---|---|---|----|
| 45 | 5 | 4 | 3 | 12 |
| 46 | 1 | 1 | 1 | 3 |
| 47 | 1 | 1 | 1 | 3 |
| 48 | 1 | 1 | 1 | 3 |
| 49 | 1 | 1 | 1 | 3 |
| 50 | 1 | 1 | 1 | 3 |
| 51 | 1 | 3 | 2 | 6 |
| 52 | 1 | 2 | 1 | 4 |
| 53 | 1 | 1 | 1 | 3 |
| 54 | 1 | 2 | 1 | 4 |
| 55 | 1 | 2 | 1 | 4 |
| 56 | 2 | 2 | 2 | 6 |
| 57 | 2 | 2 | 1 | 5 |
| 58 | 2 | 3 | 1 | 6 |
| 59 | 2 | 2 | 2 | 6 |
| 60 | 2 | 2 | 2 | 6 |
| 61 | 2 | 2 | 2 | 6 |
| 62 | 2 | 2 | 1 | 5 |
| 63 | 2 | 2 | 1 | 5 |
| 64 | 4 | 3 | 2 | 9 |
| 65 | 4 | 5 | 2 | 11 |
| 66 | 4 | 3 | 2 | 9 |
| 67 | 4 | 3 | 2 | 9 |
| 68 | 4 | 3 | 2 | 9 |
| 69 | 2 | 2 | 2 | 6 |
| 70 | 2 | 2 | 2 | 6 |
| 71 | 2 | 2 | 2 | 6 |
| 72 | 2 | 2 | 2 | 6 |
| 73 | 3 | 3 | 2 | 8 |
| 74 | 2 | 1 | 2 | 5 |
| 75 | 2 | 2 | 2 | 6 |
| 76 | 2 | 2 | 1 | 5 |

| NO | PRA2 | PRA3 | PRA5 | PRA7 | PRA8 | PRA9 | PRA10 | PRA11 | TOTAL PRA |
|----|------|------|------|------|------|------|-------|-------|-----------|
| 1 | 3 | 3 | 1 | 1 | 3 | 1 | 2 | 3 | 17 |
| 2 | 1 | 3 | 4 | 1 | 4 | 3 | 1 | 3 | 20 |
| 3 | 1 | 3 | 1 | 1 | 3 | 3 | 3 | 3 | 18 |
| 4 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 14 |
| 5 | 1 | 3 | 1 | 1 | 3 | 3 | 1 | 3 | 16 |
| 6 | 1 | 3 | 2 | 1 | 1 | 3 | 2 | 1 | 14 |
| 7 | 1 | 3 | 3 | 1 | 1 | 3 | 3 | 3 | 18 |
| 8 | 1 | 2 | 1 | 1 | 3 | 2 | 2 | 1 | 13 |
| 9 | 1 | 1 | 1 | 1 | 3 | 2 | 2 | 1 | 12 |
| 10 | 1 | 1 | 1 | 1 | 3 | 2 | 2 | 1 | 12 |
| 11 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 8 |
| 12 | 4 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 12 |

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

| | | | | | | | | | |
|----|---|---|---|---|---|---|---|---|----|
| 61 | 1 | 3 | 2 | 1 | 1 | 1 | 2 | 1 | 12 |
| 62 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 9 |
| 63 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 10 |
| 64 | 1 | 3 | 3 | 4 | 3 | 3 | 2 | 2 | 21 |
| 65 | 1 | 4 | 1 | 1 | 1 | 3 | 2 | 3 | 16 |
| 66 | 1 | 3 | 3 | 4 | 3 | 3 | 2 | 4 | 23 |
| 67 | 1 | 1 | 3 | 4 | 3 | 4 | 2 | 3 | 21 |
| 68 | 1 | 3 | 3 | 4 | 3 | 3 | 2 | 2 | 21 |
| 69 | 1 | 3 | 3 | 2 | 3 | 3 | 3 | 2 | 20 |
| 70 | 1 | 3 | 4 | 2 | 3 | 3 | 3 | 2 | 21 |
| 71 | 1 | 1 | 3 | 2 | 3 | 3 | 3 | 2 | 18 |
| 72 | 1 | 3 | 3 | 1 | 2 | 3 | 3 | 4 | 20 |
| 73 | 1 | 3 | 3 | 2 | 3 | 3 | 2 | 4 | 21 |
| 74 | 2 | 3 | 3 | 1 | 2 | 2 | 3 | 2 | 18 |
| 75 | 2 | 4 | 3 | 3 | 3 | 2 | 2 | 1 | 20 |
| 76 | 1 | 1 | 5 | 3 | 3 | 3 | 1 | 1 | 18 |

| NO | PBJ1 | PBJ2 | PBJ3 | PBJ4 | PBJ6 | PBJ7 | PBJ8 | PBJ9 | PBJ10 | PBJ11 | TOTAL PBJ |
|----|------|------|------|------|------|------|------|------|-------|-------|-----------|
| 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 12 |
| 2 | 4 | 4 | 4 | 1 | 4 | 4 | 2 | 1 | 2 | 4 | 30 |
| 3 | 1 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 1 | 1 | 23 |
| 4 | 1 | 1 | 1 | 1 | 2 | 2 | 3 | 3 | 3 | 3 | 20 |
| 5 | 3 | 1 | 1 | 1 | 3 | 3 | 3 | 1 | 1 | 5 | 22 |
| 6 | 2 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 13 |
| 7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 11 |
| 8 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 10 |
| 9 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 10 |
| 10 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 10 |
| 11 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 11 |
| 12 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 11 |
| 13 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 3 | 26 |
| 14 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 11 |
| 15 | 2 | 1 | 2 | 5 | 4 | 1 | 4 | 1 | 1 | 2 | 23 |
| 16 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 14 |
| 17 | 1 | 1 | 1 | 1 | 1 | 3 | 4 | 2 | 1 | 1 | 16 |
| 18 | 1 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 12 |
| 19 | 1 | 1 | 1 | 3 | 1 | 2 | 3 | 1 | 1 | 2 | 16 |
| 20 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 12 |
| 21 | 1 | 1 | 1 | 3 | 1 | 2 | 3 | 1 | 1 | 2 | 16 |
| 22 | 1 | 1 | 1 | 1 | 3 | 4 | 2 | 1 | 1 | 1 | 16 |
| 23 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 3 | 2 | 32 |
| 24 | 3 | 2 | 2 | 1 | 2 | 2 | 4 | 3 | 1 | 3 | 23 |
| 25 | 2 | 2 | 2 | 1 | 1 | 2 | 4 | 3 | 1 | 3 | 21 |
| 26 | 1 | 1 | 2 | 3 | 3 | 4 | 5 | 1 | 1 | 1 | 22 |
| 27 | 1 | 1 | 1 | 2 | 3 | 3 | 2 | 1 | 1 | 1 | 16 |
| 28 | 1 | 1 | 1 | 3 | 3 | 1 | 1 | 1 | 1 | 3 | 16 |

| | | | | | | | | | | | |
|----|---|---|---|---|---|---|---|---|---|---|----|
| 29 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 4 | 30 |
| 30 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 4 | 30 |
| 31 | 1 | 2 | 2 | 1 | 3 | 2 | 2 | 2 | 1 | 2 | 18 |
| 32 | 1 | 1 | 1 | 2 | 4 | 3 | 4 | 2 | 1 | 4 | 23 |
| 33 | 1 | 1 | 1 | 1 | 3 | 4 | 3 | 2 | 1 | 3 | 20 |
| 34 | 1 | 1 | 2 | 1 | 1 | 2 | 2 | 2 | 1 | 2 | 15 |
| 35 | 1 | 2 | 2 | 1 | 3 | 2 | 2 | 2 | 1 | 2 | 18 |
| 36 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 3 | 1 | 1 | 20 |
| 37 | 1 | 1 | 1 | 3 | 3 | 1 | 1 | 3 | 1 | 1 | 16 |
| 38 | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 1 | 1 | 3 | 16 |
| 39 | 1 | 1 | 1 | 3 | 3 | 3 | 4 | 4 | 1 | 1 | 22 |
| 40 | 1 | 2 | 3 | 3 | 4 | 3 | 4 | 2 | 1 | 3 | 26 |
| 41 | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 1 | 3 | 26 |
| 42 | 2 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 2 | 14 |
| 43 | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 1 | 1 | 3 | 16 |
| 44 | 2 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 2 | 14 |
| 45 | 1 | 1 | 1 | 3 | 3 | 1 | 1 | 1 | 1 | 1 | 14 |
| 46 | 1 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 12 |
| 47 | 1 | 1 | 1 | 1 | 5 | 3 | 1 | 1 | 1 | 1 | 16 |
| 48 | 1 | 1 | 1 | 1 | 5 | 3 | 1 | 1 | 1 | 1 | 16 |
| 49 | 1 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 12 |
| 50 | 1 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 12 |
| 51 | 1 | 1 | 1 | 1 | 2 | 3 | 2 | 1 | 2 | 1 | 15 |
| 52 | 1 | 2 | 1 | 1 | 1 | 2 | 4 | 2 | 1 | 1 | 16 |
| 53 | 1 | 2 | 1 | 1 | 1 | 2 | 4 | 2 | 1 | 1 | 16 |
| 54 | 1 | 2 | 1 | 1 | 1 | 2 | 4 | 2 | 1 | 1 | 16 |
| 55 | 1 | 2 | 1 | 1 | 1 | 2 | 4 | 2 | 1 | 1 | 16 |
| 56 | 1 | 1 | 1 | 3 | 3 | 2 | 1 | 1 | 1 | 1 | 15 |
| 57 | 1 | 1 | 1 | 1 | 3 | 3 | 2 | 1 | 1 | 1 | 15 |
| 58 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 2 | 1 | 13 |
| 59 | 1 | 1 | 5 | 3 | 1 | 1 | 1 | 1 | 5 | 1 | 20 |
| 60 | 1 | 1 | 5 | 3 | 1 | 1 | 1 | 1 | 5 | 1 | 20 |
| 61 | 1 | 1 | 1 | 1 | 3 | 3 | 3 | 4 | 3 | 4 | 24 |
| 62 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 2 | 1 | 1 | 15 |
| 63 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 2 | 1 | 1 | 15 |
| 64 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 1 | 1 | 3 | 20 |
| 65 | 1 | 1 | 1 | 3 | 3 | 2 | 3 | 2 | 2 | 2 | 20 |
| 66 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 1 | 1 | 3 | 20 |
| 67 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 1 | 1 | 3 | 20 |
| 68 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 1 | 1 | 3 | 20 |
| 69 | 2 | 2 | 2 | 4 | 4 | 2 | 1 | 2 | 3 | 3 | 25 |
| 70 | 2 | 2 | 3 | 4 | 3 | 2 | 1 | 2 | 3 | 3 | 25 |
| 71 | 2 | 1 | 1 | 2 | 2 | 2 | 1 | 2 | 3 | 3 | 19 |
| 72 | 3 | 2 | 2 | 4 | 4 | 2 | 2 | 2 | 4 | 3 | 28 |
| 73 | 2 | 2 | 2 | 4 | 4 | 2 | 1 | 2 | 3 | 3 | 25 |
| 74 | 2 | 1 | 1 | 3 | 2 | 2 | 3 | 3 | 2 | 2 | 21 |
| 75 | 4 | 3 | 2 | 3 | 4 | 3 | 4 | 3 | 1 | 3 | 30 |
| 76 | 1 | 1 | 1 | 1 | 3 | 1 | 3 | 1 | 1 | 1 | 14 |

| NO | SDM2 | SDM3 | SDM4 | SDM5 | SDM6 | SDM7 | SDM9 | SDM10 | SDM11 | SDM12 | TOTAL SDM |
|----|------|------|------|------|------|------|------|-------|-------|-------|-----------|
| 1 | 3 | 5 | 3 | 2 | 1 | 3 | 1 | 3 | 5 | 4 | 30 |
| 2 | 5 | 5 | 5 | 5 | 4 | 4 | 5 | 2 | 5 | 3 | 43 |
| 3 | 3 | 5 | 3 | 2 | 3 | 3 | 3 | 5 | 5 | 5 | 37 |
| 4 | 5 | 3 | 5 | 5 | 3 | 4 | 1 | 3 | 3 | 3 | 35 |
| 5 | 1 | 1 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 42 |
| 6 | 5 | 5 | 5 | 5 | 3 | 4 | 3 | 5 | 5 | 3 | 43 |
| 7 | 1 | 1 | 3 | 4 | 3 | 1 | 1 | 5 | 5 | 5 | 29 |
| 8 | 1 | 1 | 5 | 2 | 1 | 1 | 5 | 5 | 5 | 5 | 31 |
| 9 | 1 | 1 | 5 | 2 | 1 | 1 | 5 | 5 | 5 | 5 | 31 |
| 10 | 1 | 1 | 5 | 2 | 1 | 1 | 5 | 5 | 5 | 5 | 31 |
| 11 | 4 | 4 | 5 | 5 | 4 | 3 | 5 | 5 | 5 | 5 | 45 |
| 12 | 4 | 4 | 5 | 5 | 4 | 3 | 5 | 5 | 5 | 5 | 45 |
| 13 | 4 | 4 | 2 | 2 | 3 | 3 | 1 | 2 | 2 | 2 | 25 |
| 14 | 2 | 4 | 2 | 2 | 1 | 1 | 5 | 5 | 5 | 5 | 32 |
| 15 | 2 | 1 | 5 | 5 | 1 | 2 | 2 | 5 | 5 | 5 | 33 |
| 16 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 13 |
| 17 | 4 | 5 | 5 | 5 | 2 | 2 | 5 | 5 | 4 | 3 | 40 |
| 18 | 3 | 1 | 4 | 5 | 1 | 1 | 5 | 5 | 5 | 5 | 35 |
| 19 | 3 | 3 | 5 | 2 | 3 | 1 | 4 | 4 | 4 | 4 | 33 |
| 20 | 5 | 3 | 5 | 5 | 3 | 1 | 1 | 5 | 5 | 5 | 38 |
| 21 | 3 | 3 | 5 | 2 | 3 | 1 | 4 | 4 | 4 | 4 | 33 |
| 22 | 1 | 1 | 2 | 2 | 1 | 2 | 3 | 5 | 5 | 3 | 25 |
| 23 | 2 | 4 | 3 | 3 | 2 | 2 | 4 | 1 | 2 | 3 | 26 |
| 24 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 39 |
| 25 | 3 | 3 | 5 | 4 | 3 | 2 | 2 | 5 | 5 | 5 | 37 |
| 26 | 1 | 1 | 5 | 5 | 1 | 1 | 1 | 5 | 5 | 5 | 30 |
| 27 | 2 | 3 | 2 | 2 | 2 | 2 | 1 | 5 | 5 | 5 | 29 |
| 28 | 3 | 3 | 5 | 5 | 3 | 3 | 1 | 5 | 5 | 5 | 38 |
| 29 | 5 | 5 | 5 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 40 |
| 30 | 5 | 5 | 5 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 40 |
| 31 | 3 | 2 | 4 | 2 | 2 | 2 | 1 | 5 | 5 | 5 | 31 |
| 32 | 5 | 4 | 5 | 5 | 2 | 3 | 3 | 5 | 5 | 5 | 42 |
| 33 | 5 | 5 | 5 | 4 | 4 | 2 | 3 | 5 | 5 | 5 | 43 |
| 34 | 3 | 2 | 4 | 2 | 2 | 2 | 1 | 5 | 5 | 5 | 31 |
| 35 | 3 | 2 | 4 | 2 | 2 | 2 | 1 | 5 | 5 | 5 | 31 |
| 36 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 4 | 4 | 4 | 37 |
| 37 | 3 | 1 | 4 | 4 | 3 | 3 | 1 | 4 | 4 | 4 | 31 |
| 38 | 1 | 1 | 5 | 5 | 1 | 1 | 5 | 5 | 5 | 5 | 34 |
| 39 | 3 | 4 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 37 |
| 40 | 4 | 5 | 5 | 5 | 3 | 3 | 5 | 5 | 5 | 5 | 45 |
| 41 | 3 | 3 | 2 | 2 | 1 | 1 | 3 | 5 | 5 | 5 | 30 |
| 42 | 2 | 3 | 5 | 2 | 2 | 2 | 2 | 2 | 2 | 5 | 27 |
| 43 | 3 | 3 | 5 | 5 | 1 | 1 | 3 | 3 | 2 | 2 | 28 |
| 44 | 5 | 4 | 4 | 4 | 2 | 2 | 1 | 4 | 4 | 5 | 35 |

| | | | | | | | | | | | |
|----|---|---|---|---|---|---|---|---|---|---|----|
| 45 | 3 | 3 | 3 | 2 | 2 | 2 | 4 | 5 | 5 | 5 | 34 |
| 46 | 2 | 1 | 5 | 5 | 1 | 1 | 5 | 5 | 5 | 5 | 35 |
| 47 | 2 | 1 | 5 | 5 | 1 | 1 | 5 | 5 | 5 | 5 | 35 |
| 48 | 3 | 1 | 5 | 5 | 1 | 1 | 5 | 5 | 5 | 5 | 36 |
| 49 | 2 | 1 | 5 | 5 | 1 | 1 | 5 | 5 | 5 | 5 | 35 |
| 50 | 2 | 1 | 5 | 5 | 1 | 1 | 5 | 5 | 5 | 5 | 35 |
| 51 | 2 | 2 | 4 | 4 | 2 | 3 | 2 | 5 | 5 | 5 | 34 |
| 52 | 4 | 4 | 4 | 2 | 1 | 4 | 2 | 5 | 5 | 2 | 33 |
| 53 | 1 | 1 | 5 | 5 | 1 | 4 | 2 | 5 | 5 | 5 | 34 |
| 54 | 4 | 4 | 4 | 2 | 1 | 4 | 2 | 5 | 5 | 2 | 33 |
| 55 | 4 | 4 | 4 | 2 | 1 | 4 | 2 | 5 | 5 | 2 | 33 |
| 56 | 3 | 1 | 5 | 5 | 1 | 1 | 1 | 5 | 5 | 5 | 32 |
| 57 | 1 | 1 | 5 | 5 | 3 | 3 | 2 | 5 | 5 | 5 | 35 |
| 58 | 4 | 5 | 5 | 5 | 5 | 5 | 1 | 5 | 5 | 5 | 45 |
| 59 | 1 | 1 | 5 | 5 | 1 | 1 | 1 | 5 | 5 | 5 | 30 |
| 60 | 1 | 1 | 5 | 5 | 1 | 1 | 1 | 5 | 5 | 5 | 30 |
| 61 | 3 | 3 | 5 | 5 | 1 | 1 | 1 | 5 | 5 | 5 | 34 |
| 62 | 1 | 5 | 5 | 5 | 1 | 1 | 1 | 5 | 5 | 5 | 34 |
| 63 | 1 | 5 | 5 | 5 | 1 | 1 | 1 | 5 | 5 | 5 | 34 |
| 64 | 4 | 4 | 5 | 4 | 4 | 4 | 5 | 4 | 3 | 4 | 41 |
| 65 | 1 | 3 | 4 | 4 | 3 | 1 | 3 | 4 | 4 | 5 | 32 |
| 66 | 4 | 4 | 5 | 4 | 4 | 4 | 5 | 4 | 3 | 4 | 41 |
| 67 | 4 | 4 | 5 | 4 | 4 | 4 | 5 | 4 | 3 | 4 | 41 |
| 68 | 4 | 4 | 5 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 42 |
| 69 | 3 | 3 | 4 | 1 | 4 | 4 | 2 | 3 | 3 | 2 | 29 |
| 70 | 3 | 3 | 4 | 1 | 4 | 4 | 3 | 3 | 3 | 2 | 30 |
| 71 | 3 | 3 | 4 | 1 | 4 | 4 | 2 | 3 | 3 | 2 | 29 |
| 72 | 3 | 3 | 5 | 2 | 4 | 4 | 2 | 3 | 2 | 2 | 30 |
| 73 | 3 | 3 | 4 | 1 | 4 | 4 | 2 | 3 | 3 | 2 | 29 |
| 74 | 3 | 4 | 1 | 2 | 3 | 2 | 4 | 2 | 3 | 3 | 27 |
| 75 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 3 | 3 | 4 | 44 |
| 76 | 3 | 3 | 2 | 4 | 1 | 1 | 3 | 4 | 3 | 4 | 28 |

Lampiran 11

r Tabel (Pearson Correlation)

(Level of Significance 0,05 and 2 tailed)

| | | | |
|----|-------|----|-------|
| 5 | 0.878 | 43 | 0.301 |
| 6 | 0.811 | 44 | 0.297 |
| 7 | 0.755 | 45 | 0.294 |
| 8 | 0.707 | 46 | 0.291 |
| 9 | 0.666 | 47 | 0.288 |
| 10 | 0.632 | 48 | 0.285 |
| 11 | 0.602 | 49 | 0.282 |
| 12 | 0.576 | 50 | 0.279 |
| 13 | 0.553 | 51 | 0.276 |
| 14 | 0.532 | 52 | 0.273 |
| 15 | 0.514 | 53 | 0.270 |
| 16 | 0.497 | 54 | 0.268 |
| 17 | 0.482 | 55 | 0.265 |
| 18 | 0.468 | 56 | 0.263 |
| 19 | 0.456 | 57 | 0.261 |
| 20 | 0.444 | 58 | 0.258 |
| 21 | 0.433 | 59 | 0.256 |
| 22 | 0.423 | 60 | 0.254 |
| 23 | 0.413 | 61 | 0.252 |
| 24 | 0.404 | 62 | 0.250 |
| 25 | 0.396 | 63 | 0.248 |
| 26 | 0.388 | 64 | 0.246 |
| 27 | 0.380 | 65 | 0.244 |
| 28 | 0.374 | 66 | 0.242 |
| 29 | 0.367 | 67 | 0.240 |
| 30 | 0.361 | 68 | 0.239 |
| 31 | 0.355 | 69 | 0.237 |
| 32 | 0.349 | 70 | 0.235 |
| 33 | 0.344 | 71 | 0.233 |
| 34 | 0.339 | 72 | 0.232 |
| 35 | 0.334 | 73 | 0.230 |
| 36 | 0.329 | 74 | 0.229 |
| 37 | 0.325 | 75 | 0.227 |
| 38 | 0.320 | 76 | 0.226 |
| 39 | 0.316 | 77 | 0.224 |
| 40 | 0.312 | 78 | 0.223 |
| 41 | 0.308 | 79 | 0.221 |
| 42 | 0.304 | 80 | 0.220 |

Lampiran 12

Tabel Uji F

| $\alpha = 0,05$ | $df_1=(k-1)$ | | | | | | | |
|-----------------|---------------------|---------|---------------------|---------|---------|---------------------|---------|---------|
| $df_2=(n-k-1)$ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1 | 161.44 ₈ | 199.500 | 215.70 ₇ | 224.583 | 230.162 | 233.98 ₆ | 236.768 | 238.883 |
| 2 | 18.513 | 19.000 | 19.164 | 19.247 | 19.296 | 19.330 | 19.353 | 19.371 |
| 3 | 10.128 | 9.552 | 9.277 | 9.117 | 9.013 | 8.941 | 8.887 | 8.845 |
| 4 | 7.709 | 6.944 | 6.591 | 6.388 | 6.256 | 6.163 | 6.094 | 6.041 |
| 5 | 6.608 | 5.786 | 5.409 | 5.192 | 5.050 | 4.950 | 4.876 | 4.818 |
| 6 | 5.987 | 5.143 | 4.757 | 4.534 | 4.387 | 4.284 | 4.207 | 4.147 |
| 7 | 5.591 | 4.737 | 4.347 | 4.120 | 3.972 | 3.866 | 3.787 | 3.726 |
| 8 | 5.318 | 4.459 | 4.066 | 3.838 | 3.687 | 3.581 | 3.500 | 3.438 |
| 9 | 5.117 | 4.256 | 3.863 | 3.633 | 3.482 | 3.374 | 3.293 | 3.230 |
| 10 | 4.965 | 4.103 | 3.708 | 3.478 | 3.326 | 3.217 | 3.135 | 3.072 |
| 11 | 4.844 | 3.982 | 3.587 | 3.357 | 3.204 | 3.095 | 3.012 | 2.948 |
| 12 | 4.747 | 3.885 | 3.490 | 3.259 | 3.106 | 2.996 | 2.913 | 2.849 |
| 13 | 4.667 | 3.806 | 3.411 | 3.179 | 3.025 | 2.915 | 2.832 | 2.767 |
| 14 | 4.600 | 3.739 | 3.344 | 3.112 | 2.958 | 2.848 | 2.764 | 2.699 |
| 15 | 4.543 | 3.682 | 3.287 | 3.056 | 2.901 | 2.790 | 2.707 | 2.641 |
| 16 | 4.494 | 3.634 | 3.239 | 3.007 | 2.852 | 2.741 | 2.657 | 2.591 |
| 17 | 4.451 | 3.592 | 3.197 | 2.965 | 2.810 | 2.699 | 2.614 | 2.548 |
| 18 | 4.414 | 3.555 | 3.160 | 2.928 | 2.773 | 2.661 | 2.577 | 2.510 |
| 19 | 4.381 | 3.522 | 3.127 | 2.895 | 2.740 | 2.628 | 2.544 | 2.477 |
| 20 | 4.351 | 3.493 | 3.098 | 2.866 | 2.711 | 2.599 | 2.514 | 2.447 |
| 21 | 4.325 | 3.467 | 3.072 | 2.840 | 2.685 | 2.573 | 2.488 | 2.420 |
| 22 | 4.301 | 3.443 | 3.049 | 2.817 | 2.661 | 2.549 | 2.464 | 2.397 |
| 23 | 4.279 | 3.422 | 3.028 | 2.796 | 2.640 | 2.528 | 2.442 | 2.375 |
| 24 | 4.260 | 3.403 | 3.009 | 2.776 | 2.621 | 2.508 | 2.423 | 2.355 |
| 25 | 4.242 | 3.385 | 2.991 | 2.759 | 2.603 | 2.490 | 2.405 | 2.337 |
| 26 | 4.225 | 3.369 | 2.975 | 2.743 | 2.587 | 2.474 | 2.388 | 2.321 |
| 27 | 4.210 | 3.354 | 2.960 | 2.728 | 2.572 | 2.459 | 2.373 | 2.305 |
| 28 | 4.196 | 3.340 | 2.947 | 2.714 | 2.558 | 2.445 | 2.359 | 2.291 |
| 29 | 4.183 | 3.328 | 2.934 | 2.701 | 2.545 | 2.432 | 2.346 | 2.278 |
| 30 | 4.171 | 3.316 | 2.922 | 2.690 | 2.534 | 2.421 | 2.334 | 2.266 |
| 31 | 4.160 | 3.305 | 2.911 | 2.679 | 2.523 | 2.409 | 2.323 | 2.255 |
| 32 | 4.149 | 3.295 | 2.901 | 2.668 | 2.512 | 2.399 | 2.313 | 2.244 |
| 33 | 4.139 | 3.285 | 2.892 | 2.659 | 2.503 | 2.389 | 2.303 | 2.235 |
| 34 | 4.130 | 3.276 | 2.883 | 2.650 | 2.494 | 2.380 | 2.294 | 2.225 |
| 35 | 4.121 | 3.267 | 2.874 | 2.641 | 2.485 | 2.372 | 2.285 | 2.217 |
| 36 | 4.113 | 3.259 | 2.866 | 2.634 | 2.477 | 2.364 | 2.277 | 2.209 |
| 37 | 4.105 | 3.252 | 2.859 | 2.626 | 2.470 | 2.356 | 2.270 | 2.201 |
| 38 | 4.098 | 3.245 | 2.852 | 2.619 | 2.463 | 2.349 | 2.262 | 2.194 |
| 39 | 4.091 | 3.238 | 2.845 | 2.612 | 2.456 | 2.342 | 2.255 | 2.187 |
| 40 | 4.085 | 3.232 | 2.839 | 2.606 | 2.449 | 2.336 | 2.249 | 2.180 |
| 41 | 4.079 | 3.226 | 2.833 | 2.600 | 2.443 | 2.330 | 2.243 | 2.174 |
| 42 | 4.073 | 3.220 | 2.827 | 2.594 | 2.438 | 2.324 | 2.237 | 2.168 |
| 43 | 4.067 | 3.214 | 2.822 | 2.589 | 2.432 | 2.318 | 2.232 | 2.163 |
| 44 | 4.062 | 3.209 | 2.816 | 2.584 | 2.427 | 2.313 | 2.226 | 2.157 |
| 45 | 4.057 | 3.204 | 2.812 | 2.579 | 2.422 | 2.308 | 2.221 | 2.152 |
| 46 | 4.052 | 3.200 | 2.807 | 2.574 | 2.417 | 2.304 | 2.216 | 2.147 |
| 47 | 4.047 | 3.195 | 2.802 | 2.570 | 2.413 | 2.299 | 2.212 | 2.143 |
| 48 | 4.043 | 3.191 | 2.798 | 2.565 | 2.409 | 2.295 | 2.207 | 2.138 |
| 49 | 4.038 | 3.187 | 2.794 | 2.561 | 2.404 | 2.290 | 2.203 | 2.134 |
| 50 | 4.034 | 3.183 | 2.790 | 2.557 | 2.400 | 2.286 | 2.199 | 2.130 |
| 51 | 4.030 | 3.179 | 2.786 | 2.553 | 2.397 | 2.283 | 2.195 | 2.126 |

| | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|
| 52 | 4.027 | 3.175 | 2.783 | 2.550 | 2.393 | 2.279 | 2.192 | 2.122 |
| 53 | 4.023 | 3.172 | 2.779 | 2.546 | 2.389 | 2.275 | 2.188 | 2.119 |
| 54 | 4.020 | 3.168 | 2.776 | 2.543 | 2.386 | 2.272 | 2.185 | 2.115 |
| 55 | 4.016 | 3.165 | 2.773 | 2.540 | 2.383 | 2.269 | 2.181 | 2.112 |
| 56 | 4.013 | 3.162 | 2.769 | 2.537 | 2.380 | 2.266 | 2.178 | 2.109 |
| 57 | 4.010 | 3.159 | 2.766 | 2.534 | 2.377 | 2.263 | 2.175 | 2.106 |
| 58 | 4.007 | 3.156 | 2.764 | 2.531 | 2.374 | 2.260 | 2.172 | 2.103 |
| 59 | 4.004 | 3.153 | 2.761 | 2.528 | 2.371 | 2.257 | 2.169 | 2.100 |
| 60 | 4.001 | 3.150 | 2.758 | 2.525 | 2.368 | 2.254 | 2.167 | 2.097 |
| 61 | 3.998 | 3.148 | 2.755 | 2.523 | 2.366 | 2.251 | 2.164 | 2.094 |
| 62 | 3.996 | 3.145 | 2.753 | 2.520 | 2.363 | 2.249 | 2.161 | 2.092 |
| 63 | 3.993 | 3.143 | 2.751 | 2.518 | 2.361 | 2.246 | 2.159 | 2.089 |
| 64 | 3.991 | 3.140 | 2.748 | 2.515 | 2.358 | 2.244 | 2.156 | 2.087 |
| 65 | 3.989 | 3.138 | 2.746 | 2.513 | 2.356 | 2.242 | 2.154 | 2.084 |
| 66 | 3.986 | 3.136 | 2.744 | 2.511 | 2.354 | 2.239 | 2.152 | 2.082 |
| 67 | 3.984 | 3.134 | 2.742 | 2.509 | 2.352 | 2.237 | 2.150 | 2.080 |
| 68 | 3.982 | 3.132 | 2.740 | 2.507 | 2.350 | 2.235 | 2.148 | 2.078 |
| 69 | 3.980 | 3.130 | 2.737 | 2.505 | 2.348 | 2.233 | 2.145 | 2.076 |
| 70 | 3.978 | 3.128 | 2.736 | 2.503 | 2.346 | 2.231 | 2.143 | 2.074 |
| 71 | 3.976 | 3.126 | 2.734 | 2.501 | 2.344 | 2.229 | 2.142 | 2.072 |
| 72 | 3.974 | 3.124 | 2.732 | 2.499 | 2.342 | 2.227 | 2.140 | 2.070 |
| 73 | 3.972 | 3.122 | 2.730 | 2.497 | 2.340 | 2.226 | 2.138 | 2.068 |
| 74 | 3.970 | 3.120 | 2.728 | 2.495 | 2.338 | 2.224 | 2.136 | 2.066 |
| 75 | 3.968 | 3.119 | 2.727 | 2.494 | 2.337 | 2.222 | 2.134 | 2.064 |
| 76 | 3.967 | 3.117 | 2.725 | 2.492 | 2.335 | 2.220 | 2.133 | 2.063 |
| 77 | 3.965 | 3.115 | 2.723 | 2.490 | 2.333 | 2.219 | 2.131 | 2.061 |
| 78 | 3.963 | 3.114 | 2.722 | 2.489 | 2.332 | 2.217 | 2.129 | 2.059 |
| 79 | 3.962 | 3.112 | 2.720 | 2.487 | 2.330 | 2.216 | 2.128 | 2.058 |
| 80 | 3.960 | 3.111 | 2.719 | 2.486 | 2.329 | 2.214 | 2.126 | 2.056 |
| 81 | 3.959 | 3.109 | 2.717 | 2.484 | 2.327 | 2.213 | 2.125 | 2.055 |
| 82 | 3.957 | 3.108 | 2.716 | 2.483 | 2.326 | 2.211 | 2.123 | 2.053 |
| 83 | 3.956 | 3.107 | 2.715 | 2.482 | 2.324 | 2.210 | 2.122 | 2.052 |
| 84 | 3.955 | 3.105 | 2.713 | 2.480 | 2.323 | 2.209 | 2.121 | 2.051 |
| 85 | 3.953 | 3.104 | 2.712 | 2.479 | 2.322 | 2.207 | 2.119 | 2.049 |
| 86 | 3.952 | 3.103 | 2.711 | 2.478 | 2.321 | 2.206 | 2.118 | 2.048 |
| 87 | 3.951 | 3.101 | 2.709 | 2.476 | 2.319 | 2.205 | 2.117 | 2.047 |
| 88 | 3.949 | 3.100 | 2.708 | 2.475 | 2.318 | 2.203 | 2.115 | 2.045 |
| 89 | 3.948 | 3.099 | 2.707 | 2.474 | 2.317 | 2.202 | 2.114 | 2.044 |
| 90 | 3.947 | 3.098 | 2.706 | 2.473 | 2.316 | 2.201 | 2.113 | 2.043 |
| 91 | 3.946 | 3.097 | 2.705 | 2.472 | 2.315 | 2.200 | 2.112 | 2.042 |
| 92 | 3.945 | 3.095 | 2.704 | 2.471 | 2.313 | 2.199 | 2.111 | 2.041 |
| 93 | 3.943 | 3.094 | 2.703 | 2.470 | 2.312 | 2.198 | 2.110 | 2.040 |
| 94 | 3.942 | 3.093 | 2.701 | 2.469 | 2.311 | 2.197 | 2.109 | 2.038 |
| 95 | 3.941 | 3.092 | 2.700 | 2.467 | 2.310 | 2.196 | 2.108 | 2.037 |
| 96 | 3.940 | 3.091 | 2.699 | 2.466 | 2.309 | 2.195 | 2.106 | 2.036 |
| 97 | 3.939 | 3.090 | 2.698 | 2.465 | 2.308 | 2.194 | 2.105 | 2.035 |
| 98 | 3.938 | 3.089 | 2.697 | 2.465 | 2.307 | 2.193 | 2.104 | 2.034 |
| 99 | 3.937 | 3.088 | 2.696 | 2.464 | 2.306 | 2.192 | 2.103 | 2.033 |
| 100 | 3.936 | 3.087 | 2.696 | 2.463 | 2.305 | 2.191 | 2.103 | 2.032 |

Lampiran 13Tabel Uji t

| df=(n-k) | $\alpha = 0.05$ | $\alpha = 0.025$ |
|----------|-----------------|------------------|
| 51 | 1.675 | 2.008 |
| 52 | 1.675 | 2.007 |
| 53 | 1.674 | 2.006 |
| 54 | 1.674 | 2.005 |
| 55 | 1.673 | 2.004 |
| 56 | 1.673 | 2.003 |
| 57 | 1.672 | 2.002 |
| 58 | 1.672 | 2.002 |
| 59 | 1.671 | 2.001 |
| 60 | 1.671 | 2.000 |
| 61 | 1.670 | 2.000 |
| 62 | 1.670 | 1.999 |
| 63 | 1.669 | 1.998 |
| 64 | 1.669 | 1.998 |
| 65 | 1.669 | 1.997 |
| 66 | 1.668 | 1.997 |
| 67 | 1.668 | 1.996 |
| 68 | 1.668 | 1.995 |
| 69 | 1.667 | 1.995 |
| 70 | 1.667 | 1.994 |
| 71 | 1.667 | 1.994 |
| 72 | 1.666 | 1.993 |
| 73 | 1.666 | 1.993 |
| 74 | 1.666 | 1.993 |
| 75 | 1.665 | 1.992 |
| 76 | 1.665 | 1.992 |
| 77 | 1.665 | 1.991 |
| 78 | 1.665 | 1.991 |
| 79 | 1.664 | 1.990 |
| 80 | 1.664 | 1.990 |
| 81 | 1.664 | 1.990 |
| 82 | 1.664 | 1.989 |
| 83 | 1.663 | 1.989 |
| 84 | 1.663 | 1.989 |
| 85 | 1.663 | 1.988 |
| 86 | 1.663 | 1.988 |
| 87 | 1.663 | 1.988 |
| 88 | 1.662 | 1.987 |
| 89 | 1.662 | 1.987 |
| 90 | 1.662 | 1.987 |
| 91 | 1.662 | 1.986 |
| 92 | 1.662 | 1.986 |
| 93 | 1.661 | 1.986 |
| 94 | 1.661 | 1.986 |
| 95 | 1.661 | 1.985 |
| 96 | 1.661 | 1.985 |
| 97 | 1.661 | 1.985 |
| 98 | 1.661 | 1.984 |
| 99 | 1.660 | 1.984 |

| df=(n-k) | $\alpha = 0.05$ | $\alpha = 0.025$ |
|----------|-----------------|------------------|
| 1 | 6.314 | 12.706 |
| 2 | 2.920 | 4.303 |
| 3 | 2.353 | 3.182 |
| 4 | 2.132 | 2.776 |
| 5 | 2.015 | 2.571 |
| 6 | 1.943 | 2.447 |
| 7 | 1.895 | 2.365 |
| 8 | 1.860 | 2.306 |
| 9 | 1.833 | 2.262 |
| 10 | 1.812 | 2.228 |
| 11 | 1.796 | 2.201 |
| 12 | 1.782 | 2.179 |
| 13 | 1.771 | 2.160 |
| 14 | 1.761 | 2.145 |
| 15 | 1.753 | 2.131 |
| 16 | 1.746 | 2.120 |
| 17 | 1.740 | 2.110 |
| 18 | 1.734 | 2.101 |
| 19 | 1.729 | 2.093 |
| 20 | 1.725 | 2.086 |
| 21 | 1.721 | 2.080 |
| 22 | 1.717 | 2.074 |
| 23 | 1.714 | 2.069 |
| 24 | 1.711 | 2.064 |
| 25 | 1.708 | 2.060 |
| 26 | 1.706 | 2.056 |
| 27 | 1.703 | 2.052 |
| 28 | 1.701 | 2.048 |
| 29 | 1.699 | 2.045 |
| 30 | 1.697 | 2.042 |
| 31 | 1.696 | 2.040 |
| 32 | 1.694 | 2.037 |
| 33 | 1.692 | 2.035 |
| 34 | 1.691 | 2.032 |
| 35 | 1.690 | 2.030 |
| 36 | 1.688 | 2.028 |
| 37 | 1.687 | 2.026 |
| 38 | 1.686 | 2.024 |
| 39 | 1.685 | 2.023 |
| 40 | 1.684 | 2.021 |
| 41 | 1.683 | 2.020 |
| 42 | 1.682 | 2.018 |
| 43 | 1.681 | 2.017 |
| 44 | 1.680 | 2.015 |
| 45 | 1.679 | 2.014 |
| 46 | 1.679 | 2.013 |
| 47 | 1.678 | 2.012 |
| 48 | 1.677 | 2.011 |
| 49 | 1.677 | 2.010 |
| 50 | 1.676 | 2.009 |

| | | |
|-----|-------|-------|
| 100 | 1.660 | 1.984 |
|-----|-------|-------|

