

# LAMPIRAN

## Lampiran 1 Surat Ijin Penelitian



## UNIVERSITAS GALUH FAKULTAS EKONOMI

PROGRAM STUDI MANAJEMEN : TERAKREDITASI "B" SK. NO. 5278/SK/BAN-PT/Akred/S/IX/2020  
PROGRAM STUDI AKUNTANSI : TERAKREDITASI "B" SK. NO. 4682/SK/BAN-PT/Akred/S/VIII/2020  
Jl. RE. Martadinata No. 150 Telp/Fax. (0265) 772060 - 778374 Ciamis 46251

Nomor : 899/34/SP/AK/DN/2024  
Lampiran : -  
Perihal : Ijin Penelitian Skripsi

Kepada Yth,  
Owner Marlina Kopi  
di  
Tempat

Dengan Hormat,

Berdasarkan Program Akademik Fakultas Ekonomi Universitas Galuh Ciamis, dalam rangka menyelesaikan studi mahasiswa diwajibkan untuk menyusun skripsi. Untuk keperluan tersebut kiranya Bapak/Ibu dapat membantu mahasiswa kami dalam melakukan penelitian dan pengumpulan data pada Perusahaan/Dinas/Instansi yang Bapak/Ibu pimpin. Adapun mahasiswa yang dimaksud adalah :

Nama : Mohamad Ginjar  
Nomor Pokok / NIM. : 3402200172  
Asal Program Studi : Manajemen  
Tempat Tanggal Lahir : Majalengka, 01 Juli 2002  
Telepon / HP : 082119483633  
Alamat : Blok Kebun Danas RT/RW 02/01 Desa Lebakwangi Kec. Malausma Kab. Majalengka  
Lamanya Penelitian : Mei s/d Juli 2024  
Judul Penelitian : Pengaruh Kualitas dan Diferensiasi Produk Terhadap Kepuasan Konsumen

Demikian permohonan ini kami sampaikan, atas perhatian dan kerjasamanya kami ucapkan terima kasih.



Ciamis, 16 Mei 2024

.....  
a.n Dekan,  
Wakil Dekan I

Elin Herlina, S.Pd., M.M.  
NIK. 3112770081

## Lampiran 2 Surat Balasan Ijin Penelitian

**MARLINA GROSIR MAJALENGKA**

Desa. Lemahputih Kec. Lemahsugih Kab. Majalengka  
45465 no Hp : 081224065202

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**SURAT KETERANGAN**

Nomor : 058/SKK-MG/II/08/2024  
Perihal : Surat Balasan Permohonan Izin Penelitian

Kepada YTH  
Dekan Fakultas Ekonomi  
Universitas Galuh Ciamis  
Di Tempat

Dengan Hormat

Sehubungan dengan surat taggal 10 Mei 2024 perihal permohonan izin penelitisan untuk penyusunan skripsi mahasiswa bernama Mohamad Ginanjar kami sampaikan beberapa hak :

1. Kami mengizinkan untuk melakukan penelitian skripsi di tempat kami
2. Izin penelitian diberikan untuk keperluan akademik
3. Waktu pengambilan data dan wawancara dilakukan Ketika jam kerja

Demikian surat balasan dari kami. Atas perhatiannya kami ucapkan terimakasih

Majalengka, 15 Mei 2024

Bagas Pratama Nugraha S.Ikom

Owner Marlina Kopi

## Lampiran 3 SK Penelitian



## UNIVERSITAS GALUH FAKULTAS EKONOMI

PROGRAM STUDI MANAJEMEN : TERAKREDITASI "B" SK. NO. 5278/SK/BAN-PT/Akred/S/IX/2020  
PROGRAM STUDI AKUNTANSI : TERAKREDITASI "B" SK. NO. 4682/SK/BAN-PT/Akred/S/VIII/2020  
Jl. RE. Martadinata No. 150 Telp/Fax. (0265) 772060 - 778374 Ciamis 46251

### SURAT TUGAS MEMBIMBING SKRIPSI

Nomor : 3924/34/ST/AK/D/XII/2023

Dekan Fakultas Ekonomi Universitas Galuh Ciamis dengan ini memberi tugas membimbing skripsi kepada :

Nama : **M. Aziz Basari, S.Sos., M.M.**  
          sebagai Pembimbing I

Nama : **H. Iwan Setiawan, S.E., M.M.**  
          sebagai Pembimbing II

Dalam penulisan/penyusunan skripsi mahasiswa untuk dan atas :

Nama : **MOHAMAD GINANJAR**  
NIM : **3402200172**  
Program Studi : **Manajemen**  
Judul Skripsi : **PENGARUH KUALAITAS DAN DIFERENSIASI PRODUK TERHADAP  
KEPUASAN KONSUMEN (Suatu Studi Pada ...)**

Surat tugas ini berlaku sampai dengan skripsi selesai paling lambat 1 (satu) tahun setelah penetapan surat tugas ini.

Demikian agar dilaksanakan sebagaimana mestinya.

Ciamis, 05 Desember 2023  
Dekan,



**Dr. Nurdiana Mulyatini, S.E., M.M.**  
NIK. 3112770079

Tembusan :

- Yth. Ketua Program Studi yang bersangkutan
- Yth. Mahasiswa yang bersangkutan

Lampiran 4 Kuisoner Penelitian

**PENGARUH KUALITAS PRODUK DAN DIFERENSIASI PRODUK  
TERHADAP KEPUASAN KONSUMEN**

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Kepada Yth,  
Bapak/Ibu/Saudara/i  
Konsumen Cafe Marlina Kopi  
di Tempat

Dengan Hormat,

Bersama ini, saya mohon kepada Bapak/Ibu/Saudara/i untuk berpartisipasi dalam memberikan jawaban atas pernyataan kuisoner penelitian ini, yang bermaksud untuk mengembangkan ilmu pengetahuan dalam rangka menyusun skripsi.

Adapun identitas dan jawaban Bapak/Ibu/Saudara/i akan saya jamin kerahasiaannya. Besar Harapan saya agar Bapak/Ibu/Saudara/i untuk memberikan jawaban yang sebenarnya. Atas bantuan dan kesediaannya meluangkan waktu dalam pengisian kuisoner ini saya ucapkan terima kasih.

Ciamis, 9 Agustus 2024

Peneliti

Mohammad Ginanjar

**PENGARUH KUALITAS PRODUK DAN DIFERENSIASI PRODUK  
TERHADAP KEPUASAN KONSUMEN**

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**Petunjuk Pengisian Identitas**

1. Bacalah pernyataan dengan seksama
2. Isi identitas data diri anda dengan baik dan benar
3. Berilah tanda ceklis (  $\surd$  ) pada kolom yang disediakan sesuai dengan pendapat anda.

**Identitas Responden**

1. Jenis Kelamin  
 Laki - laki                       Perempuan
2. Usia  
 < 20 Tahun                       31 - 40 Tahun  
 20 – 30 Tahun                       > 40 Tahun
3. Pendidikan Terakhir  
 SD / Sederajat                       S1  
 SMP / Sederajat                       S2  
 SMA / Sederajat                       S3
4. Jenis Pekerjaan  
 Pegawai Negeri  
 Pegawai Swasta  
 Wiraswasta  
 Pelajar/Mahasiswa  
 Lainnya

**Petunjuk Pengerjaan Kuisoner**

Jawablah pertanyaan berikut dengan memberikan tanda ceklis (  $\checkmark$  ) pada kolom yang tersedia :

Sangat Setuju (SS) : Diberi skor 5

Setuju (S) : Diberi skor 4

Kurang Setuju (KS) : Diberi skor 3

Tidak Setuju (TS) : Diberi skor 2

Sangat Tidak Setuju (STS) : Diberi Skor 1

**Pernyataan Variabel Kualitas Produk ( $x_1$ )**

| No  | Pernyataan   | (SS) | (S) | (KS) | (TS) | (STS) |
|---|--|------|-----|------|------|-------|
| <b>Daya Tahan Produk</b>                    |  |      |     |      |      |       |
| 1   | Produk Marlina Kopi memiliki masa pakai yang lama  |      |     |      |      |       |
| 2   | Produk dari Café Marlina Kopi tetap enak dikonsumsi meskipun disimpan dalam jangka waktu tertentu. |      |     |      |      |       |
| <b>Keistimewaan Produk</b>                  |  |      |     |      |      |       |
| 3   | Produk Marlina Kopi memiliki keunggulan yang menonjol dibanding produk sejenis.                    |      |     |      |      |       |
| 4   | produk di Café Marlina Kopi memiliki cita rasa yang unik dan berbeda dari produk lainnya.          |      |     |      |      |       |
| <b>Keandalan Produk</b>                     |  |      |     |      |      |       |
| 5   | Produk Marlina Kopi memiliki performa yang konsisten   |      |     |      |      |       |
| 6   | Produk dari Café Marlina Kopi selalu sesuai dengan harapan konsumen dari segi rasa dan kualitas.   |      |     |      |      |       |
| <b>Kesesuaian dengan Spesifikasi Produk</b> |  |      |     |      |      |       |
| 7   | Marlina Kopi sesuai dengan deskripsi dan spesifikasi yang diberikan.                               |      |     |      |      |       |

|                        |  |  |  |  |  |  |
|------------------------|--|--|--|--|--|--|
| 8                      | produk dari Café Marlina Kopi sesuai dengan spesifikasi yang dijanjikan. |  |  |  |  |  |
| <b>Estetika Produk</b> |  |  |  |  |  |  |
| 9                      | Produk Marlina Kopi memiliki tampilan yang menarik secara visual         |  |  |  |  |  |
| 10                     | Tampilan produk di Café Marlina Kopi sangat menarik dan estetik.         |  |  |  |  |  |

**Pernyataan Variabel Diferensiasi Produk (x<sub>2</sub>)**

| NO                             | Pernyataan   | (SS) | (S) | (KS) | (TS) | (STS) |
|--------------------------------|--|------|-----|------|------|-------|
| <b>Bentuk Produk</b>           |  |      |     |      |      |       |
| 1                              | Ukuran produk Marlina Kopi sesuai dengan kebutuhan konsumen.                               |      |     |      |      |       |
| 2                              | Bentuk produk di Café Marlina Kopi selalu tampil menarik dan modern.                       |      |     |      |      |       |
| <b>Fitur Produk</b>            |  |      |     |      |      |       |
| 3                              | Produk Marlina Kopi memiliki fitur yang unik dan berbeda dari produk sejenis.              |      |     |      |      |       |
| 4                              | Produk di Café Marlina Kopi memiliki fitur yang berbeda dari produk serupa di tempat lain. |      |     |      |      |       |
| <b>Kualitas Kinerja Produk</b> |  |      |     |      |      |       |
| 5                              | Konsumen lebih sering membeli ulang produk Marlina Kopi karena kualitasnya yang tinggi.    |      |     |      |      |       |
| 6                              | Kinerja karyawan Marlina Kopi selalu memenuhi harapan konsumen.                            |      |     |      |      |       |
| <b>Kesesuaian Pembeli</b>      |  |      |     |      |      |       |
| 7                              | Produk Marlina Kopi memenuhi standar kualitas yang tinggi.                                 |      |     |      |      |       |
| 8                              | Marlina Kopi menyediakan produk yang relevan untuk berbagai segmen konsumen.               |      |     |      |      |       |



| <b>Daya Tahan Produk</b> |   |  |  |  |  |  |
|--------------------------|---|--|--|--|--|--|
| 9                        | Produk Marlina Kopi memiliki daya tahan yang baik                                       |  |  |  |  |  |
| 10                       | Produk Marlina Kopi memiliki daya tahan yang tinggi.                                    |  |  |  |  |  |
| <b>Keandalan Produk</b>  |   |  |  |  |  |  |
| 11                       | Keandalan produk Marlina Kopi membuat konsumen lebih percaya diri dalam mengkonsumsinya |  |  |  |  |  |
| 12                       | Produk Marlina Kopi selalu dapat diandalkan oleh konsumen.                              |  |  |  |  |  |
| <b>Gaya</b>              |   |  |  |  |  |  |
| 13                       | Desain produk Marlina Kopi menarik.   |  |  |  |  |  |
| 14                       | Produk Marlina Kopi memiliki desain yang stylish dan modern.                            |  |  |  |  |  |
| <b>Rancangan</b>         |   |  |  |  |  |  |
| 15                       | Rancangan produk Marlina Kopi sangat inovatif dan praktis.                              |  |  |  |  |  |
| 16                       | Konsumen puas dengan detail dan kualitas rancangan produk Marlina Kopi.                 |  |  |  |  |  |

**Pernyataan Variabel Kepuasan Konsumen (Y)**

| No   | Pernyataan   | (SS) | (S) | (KS) | (TS) | (STS) |
|--|--|------|-----|------|------|-------|
| <b>Keandalan (<i>Reliability</i>)</b>        |  |      |     |      |      |       |
| 1  | Marlina Kopi selalu memberikan layanan dengan tepat waktu dan konsisten. |      |     |      |      |       |
| 2  | Café Marlina Kopi dapat diandalkan dalam setiap pembelian.               |      |     |      |      |       |
| <b>Keresponsifan (<i>Responsiveness</i>)</b> |  |      |     |      |      |       |
| 3  | Karyawan Marlina Kopi selalu cepat dalam merespons permintaan konsumen.  |      |     |      |      |       |

|                                      |   |  |  |  |  |  |
|--------------------------------------|---|--|--|--|--|--|
| 4                                    | Pelayanan di Café Marlina Kopi selalu tanggap terhadap kebutuhan dan keinginan pelanggan. |  |  |  |  |  |
| <b>Keyakinan (<i>Confidence</i>)</b> |   |  |  |  |  |  |
| 5                                    | Konsumen yakin dengan kualitas produk dan layanan Marlina Kopi.                           |  |  |  |  |  |
| 6                                    | Café Marlina Kopi memberikan rasa aman dan kepercayaan saat saya melakukan pembelian.     |  |  |  |  |  |
| <b>Empati (<i>Empathy</i>)</b>       |   |  |  |  |  |  |
| 7                                    | Karyawan Marlina Kopi menunjukkan komunikasi yang baik dan ramah.                         |  |  |  |  |  |
| 8                                    | Café Marlina Kopi selalu memberikan pelayanan yang personal dan penuh perhatian.          |  |  |  |  |  |
| <b>Berwujud (<i>Tangible</i>)</b>    |   |  |  |  |  |  |
| 9                                    | Lingkungan Marlina Kopi selalu bersih dan nyaman.   |  |  |  |  |  |
| 10                                   | Fasilitas yang disediakan oleh Café Marlina Kopi selalu bersih dan terawat dengan baik.   |  |  |  |  |  |

#Terima Kasih Atas Partisipasi Bapak/Ibu#

Lampiran 5 Jawaban Responden

| KUALITAS PRODUK |      |      |      |      |      |      |      |      |       | TOTAL X2 |
|-----------------|------|------|------|------|------|------|------|------|-------|----------|
| X1.1            | X1.2 | X1.3 | X1.4 | X1.5 | X1.6 | X1.7 | X1.8 | X1.9 | X1.10 |          |
| 5               | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 4     | 41       |
| 4               | 4    | 4    | 4    | 4    | 4    | 4    | 5    | 4    | 3     | 40       |
| 4               | 4    | 3    | 4    | 4    | 4    | 4    | 4    | 3    | 3     | 37       |
| 5               | 5    | 5    | 5    | 5    | 5    | 5    | 5    | 4    | 4     | 48       |
| 4               | 4    | 3    | 4    | 4    | 4    | 5    | 4    | 4    | 3     | 39       |
| 2               | 3    | 2    | 4    | 4    | 4    | 4    | 4    | 4    | 3     | 34       |
| 4               | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 4     | 40       |
| 4               | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 3     | 39       |
| 4               | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 4     | 40       |
| 4               | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 4     | 40       |
| 1               | 1    | 1    | 1    | 1    | 1    | 1    | 3    | 3    | 1     | 14       |
| 4               | 3    | 3    | 4    | 4    | 4    | 3    | 4    | 3    | 3     | 35       |
| 4               | 4    | 3    | 4    | 4    | 4    | 4    | 4    | 4    | 3     | 38       |
| 3               | 3    | 3    | 3    | 3    | 4    | 4    | 4    | 3    | 3     | 33       |
| 4               | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 4     | 40       |
| 5               | 5    | 3    | 3    | 4    | 4    | 4    | 4    | 5    | 2     | 39       |
| 4               | 4    | 4    | 4    | 4    | 4    | 5    | 5    | 4    | 3     | 41       |
| 4               | 4    | 4    | 4    | 4    | 4    | 5    | 5    | 4    | 3     | 41       |
| 4               | 4    | 4    | 4    | 4    | 4    | 5    | 5    | 4    | 3     | 41       |
| 5               | 5    | 5    | 5    | 5    | 5    | 5    | 5    | 5    | 5     | 50       |
| 5               | 5    | 1    | 5    | 5    | 5    | 5    | 5    | 5    | 1     | 42       |

|   |   |   |   |   |   |   |   |   |   |    |
|---|---|---|---|---|---|---|---|---|---|----|
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 50 |
| 5 | 5 | 1 | 5 | 5 | 5 | 5 | 5 | 5 | 2 | 43 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 41 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 40 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 40 |
| 5 | 5 | 2 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 41 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 41 |
| 3 | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 2 | 34 |
| 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 4 | 4 | 42 |
| 4 | 4 | 3 | 3 | 4 | 3 | 5 | 5 | 4 | 2 | 37 |
| 4 | 5 | 4 | 4 | 4 | 4 | 5 | 5 | 4 | 3 | 42 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 39 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 40 |
| 5 | 5 | 4 | 5 | 4 | 4 | 3 | 5 | 4 | 4 | 43 |
| 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 3 | 4 | 40 |
| 4 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 42 |
| 4 | 4 | 4 | 4 | 5 | 4 | 4 | 5 | 4 | 5 | 43 |
| 4 | 4 | 5 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 42 |
| 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 5 | 4 | 42 |
| 4 | 4 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 44 |
| 4 | 4 | 5 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 42 |
| 4 | 4 | 5 | 4 | 4 | 5 | 4 | 4 | 5 | 4 | 43 |
| 4 | 5 | 4 | 4 | 5 | 4 | 5 | 3 | 4 | 4 | 42 |
| 4 | 4 | 4 | 4 | 3 | 4 | 4 | 5 | 4 | 4 | 40 |

|   |   |   |   |   |   |   |   |   |   |    |
|---|---|---|---|---|---|---|---|---|---|----|
| 4 | 4 | 5 | 5 | 4 | 5 | 4 | 4 | 4 | 4 | 43 |
| 4 | 4 | 4 | 5 | 4 | 3 | 4 | 4 | 5 | 4 | 41 |
| 4 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 41 |
| 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 39 |
| 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 38 |
| 4 | 4 | 4 | 3 | 4 | 5 | 4 | 4 | 4 | 4 | 40 |
| 3 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 40 |
| 4 | 3 | 3 | 4 | 4 | 5 | 4 | 4 | 4 | 5 | 40 |
| 4 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 5 | 4 | 42 |
| 4 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 42 |
| 4 | 4 | 4 | 4 | 5 | 5 | 4 | 4 | 4 | 4 | 42 |
| 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 39 |
| 4 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 5 | 40 |
| 4 | 4 | 4 | 5 | 4 | 4 | 5 | 4 | 4 | 4 | 42 |
| 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 41 |
| 4 | 4 | 5 | 5 | 4 | 3 | 4 | 4 | 4 | 4 | 41 |
| 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 38 |
| 4 | 4 | 3 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 40 |
| 4 | 3 | 4 | 4 | 5 | 4 | 3 | 4 | 4 | 4 | 39 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 40 |
| 3 | 4 | 5 | 5 | 4 | 4 | 4 | 4 | 5 | 5 | 43 |
| 4 | 4 | 5 | 5 | 4 | 3 | 4 | 4 | 4 | 4 | 41 |
| 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 5 | 5 | 47 |
| 3 | 3 | 5 | 5 | 5 | 4 | 4 | 4 | 5 | 5 | 43 |

|   |   |   |   |   |   |   |   |   |   |    |
|---|---|---|---|---|---|---|---|---|---|----|
| 3 | 4 | 4 | 5 | 4 | 3 | 4 | 4 | 4 | 4 | 39 |
| 4 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 41 |
| 4 | 4 | 5 | 5 | 4 | 3 | 3 | 4 | 4 | 4 | 40 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 40 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 40 |
| 1 | 1 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 24 |
| 4 | 4 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 5 | 39 |
| 4 | 5 | 5 | 5 | 4 | 3 | 5 | 5 | 5 | 5 | 46 |
| 4 | 4 | 4 | 4 | 3 | 3 | 4 | 3 | 3 | 3 | 35 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 40 |
| 4 | 4 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 42 |
| 4 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 41 |
| 4 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 41 |
| 4 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 41 |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 50 |
| 5 | 5 | 5 | 5 | 5 | 1 | 5 | 5 | 5 | 5 | 46 |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 50 |
| 4 | 5 | 5 | 5 | 5 | 2 | 5 | 5 | 5 | 5 | 46 |
| 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 39 |
| 4 | 4 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 42 |
| 4 | 5 | 4 | 4 | 4 | 5 | 4 | 4 | 5 | 4 | 43 |
| 3 | 4 | 5 | 5 | 4 | 4 | 3 | 4 | 5 | 5 | 42 |
| 4 | 4 | 5 | 5 | 4 | 4 | 4 | 4 | 5 | 4 | 43 |
| 4 | 4 | 5 | 5 | 3 | 2 | 4 | 4 | 4 | 4 | 39 |

|   |   |   |   |   |   |   |   |   |   |    |
|---|---|---|---|---|---|---|---|---|---|----|
| 4 | 4 | 5 | 5 | 4 | 3 | 4 | 5 | 5 | 5 | 44 |
| 3 | 3 | 5 | 5 | 3 | 2 | 3 | 4 | 5 | 5 | 38 |
| 4 | 4 | 5 | 5 | 4 | 3 | 4 | 5 | 5 | 4 | 43 |
| 4 | 4 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 43 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 40 |

| DIFERENSIASI PRODUK |      |      |      |      |      |      |      |      |       |       |       |       |       |       |       | TOTAL X1 |
|---------------------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|----------|
| X2.1                | X2.2 | X2.3 | X2.4 | X2.5 | X2.6 | X2.7 | X2.8 | X2.9 | X2.10 | X2.11 | X2.12 | X2.13 | X2.14 | X2.15 | X2.16 |          |
| 4                   | 4    | 3    | 4    | 4    | 4    | 4    | 4    | 3    | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 62       |
| 5                   | 5    | 4    | 4    | 4    | 5    | 4    | 4    | 4    | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 67       |
| 4                   | 5    | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 5     | 5     | 4     | 4     | 4     | 4     | 4     | 67       |
| 5                   | 5    | 5    | 5    | 5    | 5    | 5    | 5    | 5    | 5     | 5     | 5     | 5     | 5     | 5     | 5     | 80       |
| 4                   | 5    | 3    | 4    | 4    | 5    | 4    | 4    | 4    | 4     | 4     | 3     | 4     | 4     | 3     | 5     | 64       |
| 4                   | 5    | 3    | 4    | 4    | 3    | 3    | 2    | 3    | 4     | 4     | 4     | 4     | 3     | 3     | 4     | 57       |
| 5                   | 5    | 4    | 4    | 5    | 4    | 4    | 3    | 3    | 4     | 5     | 4     | 4     | 5     | 4     | 5     | 68       |
| 5                   | 5    | 4    | 3    | 3    | 3    | 3    | 4    | 3    | 3     | 3     | 4     | 4     | 4     | 4     | 4     | 59       |
| 4                   | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 64       |
| 4                   | 5    | 5    | 4    | 5    | 4    | 4    | 4    | 4    | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 67       |
| 1                   | 5    | 3    | 1    | 1    | 1    | 1    | 1    | 1    | 1     | 1     | 1     | 1     | 1     | 1     | 5     | 26       |
| 4                   | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3     | 3     | 4     | 4     | 3     | 3     | 3     | 51       |
| 5                   | 5    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3     | 4     | 4     | 3     | 3     | 3     | 3     | 54       |
| 5                   | 5    | 2    | 2    | 3    | 3    | 1    | 1    | 1    | 1     | 2     | 3     | 3     | 3     | 3     | 3     | 41       |

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| 4 | 5 | 5 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 67 |
| 2 | 4 | 4 | 5 | 5 | 5 | 1 | 2 | 4 | 4 | 5 | 5 | 4 | 4 | 4 | 4 | 62 |
| 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 66 |
| 5 | 5 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 64 |
| 5 | 5 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 67 |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 80 |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 80 |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 80 |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 79 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 65 |
| 4 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 65 |
| 4 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 5 | 4 | 67 |
| 4 | 5 | 4 | 4 | 4 | 3 | 3 | 2 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 61 |
| 5 | 5 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 68 |
| 5 | 5 | 4 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 3 | 3 | 59 |
| 5 | 5 | 4 | 3 | 3 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 65 |
| 5 | 5 | 4 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 54 |
| 5 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 64 |
| 5 | 5 | 4 | 4 | 5 | 4 | 5 | 3 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 68 |
| 4 | 5 | 2 | 3 | 5 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 3 | 4 | 3 | 54 |
| 3 | 5 | 1 | 4 | 5 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 62 |
| 4 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 63 |
| 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 66 |
| 4 | 4 | 4 | 4 | 4 | 3 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 65 |



|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 5 | 4 | 4 | 4 | 4 | 5 | 4 | 5 | 68 |
| 4 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 3 | 4 | 4 | 65 |
| 4 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 66 |
| 4 | 4 | 4 | 4 | 4 | 5 | 3 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 5 | 66 |
| 4 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 5 | 4 | 4 | 67 |
| 4 | 4 | 4 | 4 | 5 | 4 | 4 | 5 | 4 | 4 | 5 | 3 | 4 | 3 | 4 | 5 | 66 |
| 4 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 5 | 4 | 4 | 67 |
| 5 | 4 | 4 | 4 | 3 | 4 | 4 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 67 |
| 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 3 | 4 | 5 | 3 | 4 | 4 | 5 | 4 | 63 |
| 4 | 4 | 4 | 3 | 4 | 4 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 5 | 65 |
| 4 | 3 | 4 | 5 | 5 | 5 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 66 |
| 4 | 3 | 4 | 4 | 4 | 5 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 62 |
| 5 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 63 |
| 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 3 | 62 |
| 4 | 3 | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 62 |
| 4 | 4 | 4 | 4 | 4 | 3 | 5 | 4 | 5 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 64 |
| 4 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 5 | 4 | 65 |
| 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 5 | 4 | 4 | 65 |
| 5 | 4 | 4 | 4 | 3 | 5 | 4 | 4 | 4 | 5 | 4 | 4 | 3 | 4 | 4 | 4 | 65 |
| 4 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 67 |
| 4 | 3 | 4 | 5 | 4 | 4 | 4 | 5 | 4 | 4 | 5 | 3 | 4 | 4 | 4 | 5 | 66 |
| 4 | 4 | 4 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 4 | 4 | 3 | 4 | 4 | 4 | 65 |
| 4 | 4 | 4 | 5 | 4 | 5 | 5 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 65 |
| 4 | 4 | 3 | 4 | 4 | 5 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 5 | 63 |

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| 4 | 4 | 3 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 3 | 4 | 5 | 65 |
| 4 | 5 | 4 | 3 | 4 | 4 | 4 | 4 | 5 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 63 |
| 4 | 4 | 4 | 4 | 3 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 62 |
| 3 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 3 | 4 | 5 | 4 | 4 | 4 | 64 |
| 3 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 5 | 5 | 4 | 4 | 4 | 4 | 66 |
| 5 | 5 | 5 | 5 | 4 | 4 | 5 | 4 | 4 | 4 | 5 | 4 | 4 | 5 | 4 | 5 | 72 |
| 5 | 4 | 3 | 3 | 4 | 4 | 4 | 5 | 4 | 4 | 5 | 4 | 4 | 4 | 5 | 4 | 66 |
| 3 | 4 | 4 | 3 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 5 | 65 |
| 5 | 5 | 4 | 5 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 69 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 64 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 65 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 3 | 4 | 5 | 4 | 4 | 4 | 4 | 65 |
| 5 | 5 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 5 | 65 |
| 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 4 | 4 | 4 | 4 | 62 |
| 3 | 3 | 3 | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 5 | 4 | 5 | 4 | 4 | 5 | 62 |
| 3 | 3 | 3 | 3 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 5 | 4 | 65 |
| 4 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 66 |
| 3 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 3 | 4 | 64 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 66 |
| 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 3 | 63 |
| 3 | 4 | 4 | 4 | 4 | 5 | 4 | 5 | 4 | 4 | 4 | 3 | 4 | 5 | 4 | 4 | 65 |
| 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 3 | 4 | 68 |
| 5 | 5 | 5 | 5 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 5 | 4 | 4 | 67 |
| 5 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 4 | 4 | 5 | 4 | 4 | 4 | 3 | 4 | 71 |



|   |   |   |   |   |   |   |   |   |   |    |
|---|---|---|---|---|---|---|---|---|---|----|
| 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 40 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 40 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 40 |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 30 |
| 4 | 3 | 3 | 3 | 4 | 5 | 5 | 4 | 5 | 5 | 41 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 40 |
| 4 | 4 | 4 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 30 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 40 |
| 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 38 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 40 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 40 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 40 |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 50 |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 50 |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 50 |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 50 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 41 |
| 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 41 |
| 4 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 41 |
| 4 | 4 | 4 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 38 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 41 |
| 4 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 2 | 34 |
| 5 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 5 | 43 |
| 5 | 4 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 4 | 35 |

|   |   |   |   |   |   |   |   |   |   |    |
|---|---|---|---|---|---|---|---|---|---|----|
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 40 |
| 4 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 43 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 40 |
| 4 | 4 | 3 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 37 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 41 |
| 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 41 |
| 4 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 4 | 5 | 44 |
| 4 | 4 | 4 | 4 | 5 | 4 | 4 | 5 | 4 | 4 | 42 |
| 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 4 | 43 |
| 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 4 | 4 | 42 |
| 4 | 4 | 5 | 4 | 5 | 4 | 4 | 4 | 4 | 5 | 43 |
| 4 | 4 | 5 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 40 |
| 4 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 5 | 42 |
| 4 | 4 | 5 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 40 |
| 4 | 4 | 5 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 42 |
| 4 | 4 | 4 | 5 | 4 | 3 | 3 | 4 | 4 | 4 | 39 |
| 4 | 4 | 4 | 5 | 4 | 3 | 3 | 4 | 4 | 4 | 39 |
| 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 41 |
| 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 5 | 4 | 42 |
| 4 | 4 | 4 | 4 | 4 | 3 | 5 | 4 | 4 | 4 | 40 |
| 3 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 40 |
| 4 | 5 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 40 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 5 | 42 |
| 5 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 5 | 41 |





Lampiran 6 T Tabel

**TABEL NILAI KRITIS DISTRIBUSI T**

| df | One-Tailed Test |          |          |           |           |           |            |
|----|-----------------|----------|----------|-----------|-----------|-----------|------------|
|    | 0,25            | 0,10     | 0,05     | 0,025     | 0,01      | 0,005     | 0,001      |
|    | Two-Tailed Test |          |          |           |           |           |            |
|    | 0,50            | 0,20     | 0,10     | 0,05      | 0,02      | 0,01      | 0,002      |
| 1  | 1,000000        | 3,077684 | 6,313752 | 12,706205 | 31,820516 | 63,656741 | 318,308839 |
| 2  | 0,816497        | 1,885618 | 2,919986 | 4,302653  | 6,964557  | 9,924843  | 22,327125  |
| 3  | 0,764892        | 1,637744 | 2,353363 | 3,182446  | 4,540703  | 5,840909  | 10,214532  |
| 4  | 0,740697        | 1,533206 | 2,131847 | 2,776445  | 3,746947  | 4,604095  | 7,173182   |
| 5  | 0,726687        | 1,475884 | 2,015048 | 2,570582  | 3,364930  | 4,032143  | 5,893430   |
| 6  | 0,717558        | 1,439756 | 1,943180 | 2,446912  | 3,142668  | 3,707428  | 5,207626   |
| 7  | 0,711142        | 1,414924 | 1,894579 | 2,364624  | 2,997952  | 3,499483  | 4,785290   |
| 8  | 0,706387        | 1,396815 | 1,859548 | 2,306004  | 2,896459  | 3,355387  | 4,500791   |
| 9  | 0,702722        | 1,383029 | 1,833113 | 2,262157  | 2,821438  | 3,249836  | 4,296806   |
| 10 | 0,699812        | 1,372184 | 1,812461 | 2,228139  | 2,763769  | 3,169273  | 4,143700   |
| 11 | 0,697445        | 1,363430 | 1,795885 | 2,200985  | 2,718079  | 3,105807  | 4,024701   |
| 12 | 0,695483        | 1,356217 | 1,782288 | 2,178813  | 2,680998  | 3,054540  | 3,929633   |
| 13 | 0,693829        | 1,350171 | 1,770933 | 2,160369  | 2,650309  | 3,012276  | 3,851982   |
| 14 | 0,692417        | 1,345030 | 1,761310 | 2,144787  | 2,624494  | 2,976843  | 3,787390   |
| 15 | 0,691197        | 1,340606 | 1,753050 | 2,131450  | 2,602480  | 2,946713  | 3,732834   |
| 16 | 0,690132        | 1,336757 | 1,745884 | 2,119905  | 2,583487  | 2,920782  | 3,686155   |
| 17 | 0,689195        | 1,333379 | 1,739607 | 2,109816  | 2,566934  | 2,898231  | 3,645767   |
| 18 | 0,688364        | 1,330391 | 1,734064 | 2,100922  | 2,552380  | 2,878440  | 3,610485   |
| 19 | 0,687621        | 1,327728 | 1,729133 | 2,093024  | 2,539483  | 2,860935  | 3,579400   |
| 20 | 0,686954        | 1,325341 | 1,724718 | 2,085963  | 2,527977  | 2,845340  | 3,551808   |
| 21 | 0,686352        | 1,323188 | 1,720743 | 2,079614  | 2,517648  | 2,831360  | 3,527154   |
| 22 | 0,685805        | 1,321237 | 1,717144 | 2,073873  | 2,508325  | 2,818756  | 3,504992   |
| 23 | 0,685306        | 1,319460 | 1,713872 | 2,068658  | 2,499867  | 2,807336  | 3,484964   |
| 24 | 0,684850        | 1,317836 | 1,710882 | 2,063899  | 2,492159  | 2,796940  | 3,466777   |
| 25 | 0,684443        | 1,316345 | 1,708141 | 2,059539  | 2,485107  | 2,787436  | 3,450189   |
| 26 | 0,684043        | 1,314972 | 1,705618 | 2,055529  | 2,478630  | 2,778715  | 3,434997   |
| 27 | 0,683685        | 1,313703 | 1,703288 | 2,051831  | 2,472660  | 2,770683  | 3,421034   |
| 28 | 0,683353        | 1,312527 | 1,701131 | 2,048407  | 2,467140  | 2,763262  | 3,408155   |
| 29 | 0,683044        | 1,311434 | 1,699127 | 2,045230  | 2,462021  | 2,756386  | 3,396240   |
| 30 | 0,682756        | 1,310415 | 1,697261 | 2,042272  | 2,457262  | 2,749996  | 3,385185   |
| 31 | 0,682486        | 1,309464 | 1,695519 | 2,039513  | 2,452824  | 2,744042  | 3,374899   |
| 32 | 0,682234        | 1,308573 | 1,693889 | 2,036933  | 2,448678  | 2,738481  | 3,365306   |
| 33 | 0,681997        | 1,307737 | 1,692360 | 2,034515  | 2,444794  | 2,733277  | 3,356337   |
| 34 | 0,681774        | 1,306952 | 1,690924 | 2,032245  | 2,441150  | 2,728394  | 3,347934   |
| 35 | 0,681564        | 1,306212 | 1,689572 | 2,030108  | 2,437723  | 2,723806  | 3,340045   |
| 36 | 0,681366        | 1,305514 | 1,688298 | 2,028094  | 2,434494  | 2,719485  | 3,332624   |
| 37 | 0,681178        | 1,304854 | 1,687094 | 2,026192  | 2,431447  | 2,715409  | 3,325631   |
| 38 | 0,681001        | 1,304230 | 1,685954 | 2,024394  | 2,428568  | 2,711558  | 3,319030   |
| 39 | 0,680833        | 1,303639 | 1,684875 | 2,022691  | 2,425841  | 2,707913  | 3,312788   |
| 40 | 0,680673        | 1,303077 | 1,683851 | 2,021075  | 2,423257  | 2,704459  | 3,306878   |



TABEL NILAI KRITIS DISTRIBUSI T

| df | One-Tailed Test |          |          |          |          |          |          |
|----|-----------------|----------|----------|----------|----------|----------|----------|
|    | 0,25            | 0,10     | 0,05     | 0,025    | 0,01     | 0,005    | 0,001    |
|    | Two-Tailed Test |          |          |          |          |          |          |
|    | 0,50            | 0,20     | 0,10     | 0,05     | 0,02     | 0,01     | 0,002    |
| 41 | 0,680521        | 1,302543 | 1,682878 | 2,019541 | 2,420803 | 2,701181 | 3,301273 |
| 42 | 0,680376        | 1,302035 | 1,681952 | 2,018082 | 2,418470 | 2,698066 | 3,295951 |
| 43 | 0,680238        | 1,301552 | 1,681071 | 2,016692 | 2,416250 | 2,695102 | 3,290890 |
| 44 | 0,680107        | 1,301090 | 1,680230 | 2,015368 | 2,414134 | 2,692278 | 3,286072 |
| 45 | 0,679981        | 1,300649 | 1,679427 | 2,014103 | 2,412116 | 2,689585 | 3,281480 |
| 46 | 0,679861        | 1,300228 | 1,678660 | 2,012896 | 2,410188 | 2,687013 | 3,277098 |
| 47 | 0,679746        | 1,299825 | 1,677927 | 2,011741 | 2,408345 | 2,684556 | 3,272912 |
| 48 | 0,679635        | 1,299439 | 1,677224 | 2,010635 | 2,406581 | 2,682204 | 3,268910 |
| 49 | 0,679530        | 1,299069 | 1,676551 | 2,009575 | 2,404892 | 2,679952 | 3,265079 |
| 50 | 0,679428        | 1,298714 | 1,675905 | 2,008559 | 2,403272 | 2,677793 | 3,261409 |
| 51 | 0,679331        | 1,298373 | 1,675285 | 2,007584 | 2,401718 | 2,675722 | 3,257890 |
| 52 | 0,679237        | 1,298045 | 1,674689 | 2,006647 | 2,400225 | 2,673734 | 3,254512 |
| 53 | 0,679147        | 1,297730 | 1,674116 | 2,005746 | 2,398790 | 2,671823 | 3,251268 |
| 54 | 0,679060        | 1,297426 | 1,673565 | 2,004879 | 2,397410 | 2,669985 | 3,248149 |
| 55 | 0,678977        | 1,297134 | 1,673034 | 2,004045 | 2,396081 | 2,668216 | 3,245149 |
| 56 | 0,678896        | 1,296853 | 1,672522 | 2,003241 | 2,394801 | 2,666512 | 3,242261 |
| 57 | 0,678818        | 1,296581 | 1,672029 | 2,002465 | 2,393568 | 2,664870 | 3,239478 |
| 58 | 0,678743        | 1,296319 | 1,671553 | 2,001717 | 2,392377 | 2,663287 | 3,236795 |
| 59 | 0,678671        | 1,296066 | 1,671093 | 2,000995 | 2,391229 | 2,661759 | 3,234207 |
| 60 | 0,678601        | 1,295821 | 1,670649 | 2,000298 | 2,390119 | 2,660283 | 3,231709 |
| 61 | 0,678533        | 1,295585 | 1,670219 | 1,999624 | 2,389047 | 2,658857 | 3,229296 |
| 62 | 0,678467        | 1,295356 | 1,669804 | 1,998972 | 2,388011 | 2,657479 | 3,226964 |
| 63 | 0,678404        | 1,295134 | 1,669402 | 1,998341 | 2,387008 | 2,656145 | 3,224709 |
| 64 | 0,678342        | 1,294920 | 1,669013 | 1,997730 | 2,386037 | 2,654854 | 3,222527 |
| 65 | 0,678283        | 1,294712 | 1,668636 | 1,997138 | 2,385097 | 2,653604 | 3,220414 |
| 66 | 0,678225        | 1,294511 | 1,668271 | 1,996564 | 2,384186 | 2,652394 | 3,218368 |
| 67 | 0,678169        | 1,294315 | 1,667916 | 1,996008 | 2,383302 | 2,651220 | 3,216386 |
| 68 | 0,678115        | 1,294126 | 1,667572 | 1,995469 | 2,382446 | 2,650081 | 3,214463 |
| 69 | 0,678062        | 1,293942 | 1,667239 | 1,994945 | 2,381615 | 2,648977 | 3,212599 |
| 70 | 0,678011        | 1,293763 | 1,666914 | 1,994437 | 2,380807 | 2,647905 | 3,210789 |
| 71 | 0,677961        | 1,293589 | 1,666600 | 1,993943 | 2,380024 | 2,646863 | 3,209032 |
| 72 | 0,677912        | 1,293421 | 1,666294 | 1,993464 | 2,379262 | 2,645852 | 3,207326 |
| 73 | 0,677865        | 1,293256 | 1,665996 | 1,992997 | 2,378522 | 2,644869 | 3,205668 |
| 74 | 0,677820        | 1,293097 | 1,665707 | 1,992543 | 2,377802 | 2,643913 | 3,204056 |
| 75 | 0,677775        | 1,292941 | 1,665425 | 1,992102 | 2,377102 | 2,642983 | 3,202489 |
| 76 | 0,677732        | 1,292790 | 1,665151 | 1,991673 | 2,376420 | 2,642078 | 3,200964 |
| 77 | 0,677689        | 1,292643 | 1,664885 | 1,991254 | 2,375757 | 2,641198 | 3,199480 |
| 78 | 0,677648        | 1,292500 | 1,664625 | 1,990847 | 2,375111 | 2,640340 | 3,198035 |
| 79 | 0,677608        | 1,292360 | 1,664371 | 1,990450 | 2,374482 | 2,639505 | 3,196628 |
| 80 | 0,677569        | 1,292224 | 1,664125 | 1,990063 | 2,373868 | 2,638691 | 3,195258 |

TABEL NILAI KRITIS DISTRIBUSI T

| df  | One-Tailed Test |          |          |          |          |          |          |
|-----|-----------------|----------|----------|----------|----------|----------|----------|
|     | 0,25            | 0,10     | 0,05     | 0,025    | 0,01     | 0,005    | 0,001    |
|     | Two-Tailed Test |          |          |          |          |          |          |
|     | 0,50            | 0,20     | 0,10     | 0,05     | 0,02     | 0,01     | 0,002    |
| 81  | 0,677531        | 1,292091 | 1,663884 | 1,989686 | 2,373270 | 2,637897 | 3,193922 |
| 82  | 0,677493        | 1,291961 | 1,663649 | 1,989319 | 2,372687 | 2,637123 | 3,192619 |
| 83  | 0,677457        | 1,291835 | 1,663420 | 1,988960 | 2,372119 | 2,636369 | 3,191349 |
| 84  | 0,677422        | 1,291711 | 1,663197 | 1,988610 | 2,371564 | 2,635632 | 3,190111 |
| 85  | 0,677387        | 1,291591 | 1,662978 | 1,988268 | 2,371022 | 2,634914 | 3,188902 |
| 86  | 0,677353        | 1,291473 | 1,662765 | 1,987934 | 2,370493 | 2,634212 | 3,187722 |
| 87  | 0,677320        | 1,291358 | 1,662557 | 1,987608 | 2,369977 | 2,633527 | 3,186569 |
| 88  | 0,677288        | 1,291246 | 1,662354 | 1,987290 | 2,369472 | 2,632858 | 3,185444 |
| 89  | 0,677256        | 1,291136 | 1,662155 | 1,986979 | 2,368979 | 2,632204 | 3,184345 |
| 90  | 0,677225        | 1,291029 | 1,661961 | 1,986675 | 2,368497 | 2,631565 | 3,183271 |
| 91  | 0,677195        | 1,290924 | 1,661771 | 1,986377 | 2,368026 | 2,630940 | 3,182221 |
| 92  | 0,677166        | 1,290821 | 1,661585 | 1,986086 | 2,367566 | 2,630330 | 3,181194 |
| 93  | 0,677137        | 1,290721 | 1,661404 | 1,985802 | 2,367115 | 2,629732 | 3,180191 |
| 94  | 0,677109        | 1,290623 | 1,661226 | 1,985523 | 2,366674 | 2,629148 | 3,179209 |
| 95  | 0,677081        | 1,290527 | 1,661052 | 1,985251 | 2,366243 | 2,628576 | 3,178248 |
| 96  | 0,677054        | 1,290432 | 1,660881 | 1,984984 | 2,365821 | 2,628016 | 3,177308 |
| 97  | 0,677027        | 1,290340 | 1,660715 | 1,984723 | 2,365407 | 2,627468 | 3,176387 |
| 98  | 0,677001        | 1,290250 | 1,660551 | 1,984467 | 2,365002 | 2,626931 | 3,175486 |
| 99  | 0,676976        | 1,290161 | 1,660391 | 1,984217 | 2,364606 | 2,626405 | 3,174604 |
| 100 | 0,676951        | 1,290075 | 1,660234 | 1,983972 | 2,364217 | 2,625891 | 3,173739 |
| 101 | 0,676927        | 1,289990 | 1,660081 | 1,983731 | 2,363837 | 2,625386 | 3,172893 |
| 102 | 0,676903        | 1,289907 | 1,659930 | 1,983495 | 2,363464 | 2,624891 | 3,172063 |
| 103 | 0,676879        | 1,289825 | 1,659782 | 1,983264 | 2,363098 | 2,624407 | 3,171250 |
| 104 | 0,676856        | 1,289745 | 1,659637 | 1,983038 | 2,362739 | 2,623932 | 3,170452 |
| 105 | 0,676833        | 1,289666 | 1,659495 | 1,982815 | 2,362388 | 2,623465 | 3,169670 |
| 106 | 0,676811        | 1,289589 | 1,659356 | 1,982597 | 2,362043 | 2,623008 | 3,168904 |
| 107 | 0,676790        | 1,289514 | 1,659219 | 1,982383 | 2,361704 | 2,622560 | 3,168152 |
| 108 | 0,676768        | 1,289439 | 1,659085 | 1,982173 | 2,361372 | 2,622120 | 3,167414 |
| 109 | 0,676747        | 1,289367 | 1,658953 | 1,981967 | 2,361046 | 2,621688 | 3,166690 |
| 110 | 0,676727        | 1,289295 | 1,658824 | 1,981765 | 2,360726 | 2,621265 | 3,165979 |
| 111 | 0,676706        | 1,289225 | 1,658697 | 1,981567 | 2,360412 | 2,620849 | 3,165282 |
| 112 | 0,676687        | 1,289156 | 1,658573 | 1,981372 | 2,360104 | 2,620440 | 3,164597 |
| 113 | 0,676667        | 1,289088 | 1,658450 | 1,981180 | 2,359801 | 2,620039 | 3,163925 |
| 114 | 0,676648        | 1,289022 | 1,658330 | 1,980992 | 2,359504 | 2,619645 | 3,163265 |
| 115 | 0,676629        | 1,288957 | 1,658212 | 1,980808 | 2,359212 | 2,619258 | 3,162616 |
| 116 | 0,676611        | 1,288892 | 1,658096 | 1,980626 | 2,358924 | 2,618878 | 3,161979 |
| 117 | 0,676592        | 1,288829 | 1,657982 | 1,980448 | 2,358642 | 2,618504 | 3,161353 |
| 118 | 0,676575        | 1,288767 | 1,657870 | 1,980272 | 2,358365 | 2,618137 | 3,160738 |
| 119 | 0,676557        | 1,288706 | 1,657759 | 1,980100 | 2,358093 | 2,617776 | 3,160133 |
| 120 | 0,676540        | 1,288646 | 1,657651 | 1,979930 | 2,357825 | 2,617421 | 3,159539 |

TABEL NILAI KRITIS DISTRIBUSI T

| df  | One-Tailed Test |          |          |          |          |          |          |
|-----|-----------------|----------|----------|----------|----------|----------|----------|
|     | 0,25            | 0,10     | 0,05     | 0,025    | 0,01     | 0,005    | 0,001    |
|     | Two-Tailed Test |          |          |          |          |          |          |
|     | 0,50            | 0,20     | 0,10     | 0,05     | 0,02     | 0,01     | 0,002    |
| 121 | 0,676523        | 1,288587 | 1,657544 | 1,979764 | 2,357561 | 2,617072 | 3,158954 |
| 122 | 0,676506        | 1,288529 | 1,657439 | 1,979600 | 2,357302 | 2,616729 | 3,158380 |
| 123 | 0,676490        | 1,288472 | 1,657336 | 1,979439 | 2,357047 | 2,616392 | 3,157815 |
| 124 | 0,676473        | 1,288416 | 1,657235 | 1,979280 | 2,356797 | 2,616060 | 3,157259 |
| 125 | 0,676458        | 1,288361 | 1,657135 | 1,979124 | 2,356550 | 2,615733 | 3,156712 |
| 126 | 0,676442        | 1,288307 | 1,657037 | 1,978971 | 2,356307 | 2,615412 | 3,156175 |
| 127 | 0,676426        | 1,288253 | 1,656940 | 1,978820 | 2,356069 | 2,615096 | 3,155645 |
| 128 | 0,676411        | 1,288200 | 1,656845 | 1,978671 | 2,355834 | 2,614785 | 3,155125 |
| 129 | 0,676396        | 1,288149 | 1,656752 | 1,978524 | 2,355602 | 2,614479 | 3,154612 |
| 130 | 0,676382        | 1,288098 | 1,656659 | 1,978380 | 2,355375 | 2,614177 | 3,154107 |
| 131 | 0,676367        | 1,288047 | 1,656569 | 1,978239 | 2,355150 | 2,613880 | 3,153611 |
| 132 | 0,676353        | 1,287998 | 1,656479 | 1,978099 | 2,354930 | 2,613588 | 3,153122 |
| 133 | 0,676339        | 1,287949 | 1,656391 | 1,977961 | 2,354712 | 2,613300 | 3,152640 |
| 134 | 0,676325        | 1,287901 | 1,656305 | 1,977826 | 2,354498 | 2,613017 | 3,152166 |
| 135 | 0,676311        | 1,287854 | 1,656219 | 1,977692 | 2,354287 | 2,612738 | 3,151699 |
| 136 | 0,676298        | 1,287807 | 1,656135 | 1,977561 | 2,354079 | 2,612463 | 3,151239 |
| 137 | 0,676285        | 1,287762 | 1,656052 | 1,977431 | 2,353875 | 2,612192 | 3,150786 |
| 138 | 0,676272        | 1,287716 | 1,655970 | 1,977304 | 2,353673 | 2,611925 | 3,150339 |
| 139 | 0,676259        | 1,287672 | 1,655890 | 1,977178 | 2,353474 | 2,611662 | 3,149899 |
| 140 | 0,676246        | 1,287628 | 1,655811 | 1,977054 | 2,353278 | 2,611403 | 3,149466 |
| 141 | 0,676234        | 1,287585 | 1,655732 | 1,976931 | 2,353085 | 2,611147 | 3,149038 |
| 142 | 0,676221        | 1,287542 | 1,655655 | 1,976811 | 2,352895 | 2,610895 | 3,148617 |
| 143 | 0,676209        | 1,287500 | 1,655579 | 1,976692 | 2,352707 | 2,610647 | 3,148202 |
| 144 | 0,676197        | 1,287458 | 1,655504 | 1,976575 | 2,352522 | 2,610402 | 3,147792 |
| 145 | 0,676185        | 1,287417 | 1,655430 | 1,976460 | 2,352340 | 2,610161 | 3,147389 |
| 146 | 0,676174        | 1,287377 | 1,655357 | 1,976346 | 2,352160 | 2,609923 | 3,146991 |
| 147 | 0,676162        | 1,287337 | 1,655285 | 1,976233 | 2,351983 | 2,609688 | 3,146598 |
| 148 | 0,676151        | 1,287298 | 1,655215 | 1,976122 | 2,351808 | 2,609456 | 3,146211 |
| 149 | 0,676140        | 1,287259 | 1,655145 | 1,976013 | 2,351635 | 2,609228 | 3,145829 |
| 150 | 0,676129        | 1,287221 | 1,655076 | 1,975905 | 2,351465 | 2,609003 | 3,145453 |
| 151 | 0,676118        | 1,287183 | 1,655007 | 1,975799 | 2,351297 | 2,608780 | 3,145081 |
| 152 | 0,676107        | 1,287146 | 1,654940 | 1,975694 | 2,351131 | 2,608561 | 3,144714 |
| 153 | 0,676097        | 1,287109 | 1,654874 | 1,975590 | 2,350967 | 2,608344 | 3,144353 |
| 154 | 0,676086        | 1,287073 | 1,654808 | 1,975488 | 2,350806 | 2,608131 | 3,143996 |
| 155 | 0,676076        | 1,287037 | 1,654744 | 1,975387 | 2,350646 | 2,607920 | 3,143643 |
| 156 | 0,676066        | 1,287002 | 1,654680 | 1,975288 | 2,350489 | 2,607712 | 3,143296 |
| 157 | 0,676056        | 1,286967 | 1,654617 | 1,975189 | 2,350334 | 2,607506 | 3,142952 |
| 158 | 0,676046        | 1,286933 | 1,654555 | 1,975092 | 2,350180 | 2,607304 | 3,142613 |
| 159 | 0,676036        | 1,286899 | 1,654494 | 1,974996 | 2,350029 | 2,607103 | 3,142279 |
| 160 | 0,676026        | 1,286865 | 1,654433 | 1,974902 | 2,349880 | 2,606906 | 3,141949 |

TABEL NILAI KRITIS DISTRIBUSI T

| df  | One-Tailed Test |          |          |          |          |          |          |
|-----|-----------------|----------|----------|----------|----------|----------|----------|
|     | 0,25            | 0,10     | 0,05     | 0,025    | 0,01     | 0,005    | 0,001    |
|     | Two-Tailed Test |          |          |          |          |          |          |
|     | 0,50            | 0,20     | 0,10     | 0,05     | 0,02     | 0,01     | 0,002    |
| 161 | 0,676017        | 1,286832 | 1,654373 | 1,974808 | 2,349732 | 2,606711 | 3,141623 |
| 162 | 0,676007        | 1,286799 | 1,654314 | 1,974716 | 2,349586 | 2,606518 | 3,141301 |
| 163 | 0,675998        | 1,286767 | 1,654256 | 1,974625 | 2,349442 | 2,606328 | 3,140983 |
| 164 | 0,675989        | 1,286735 | 1,654198 | 1,974535 | 2,349300 | 2,606140 | 3,140669 |
| 165 | 0,675980        | 1,286703 | 1,654141 | 1,974446 | 2,349160 | 2,605954 | 3,140358 |
| 166 | 0,675971        | 1,286672 | 1,654085 | 1,974358 | 2,349021 | 2,605770 | 3,140052 |
| 167 | 0,675962        | 1,286641 | 1,654029 | 1,974271 | 2,348884 | 2,605589 | 3,139749 |
| 168 | 0,675953        | 1,286611 | 1,653974 | 1,974185 | 2,348749 | 2,605410 | 3,139450 |
| 169 | 0,675944        | 1,286581 | 1,653920 | 1,974100 | 2,348615 | 2,605233 | 3,139155 |
| 170 | 0,675936        | 1,286551 | 1,653866 | 1,974017 | 2,348483 | 2,605058 | 3,138863 |
| 171 | 0,675927        | 1,286522 | 1,653813 | 1,973934 | 2,348352 | 2,604886 | 3,138575 |
| 172 | 0,675919        | 1,286493 | 1,653761 | 1,973852 | 2,348223 | 2,604715 | 3,138290 |
| 173 | 0,675911        | 1,286464 | 1,653709 | 1,973771 | 2,348096 | 2,604546 | 3,138008 |
| 174 | 0,675902        | 1,286436 | 1,653658 | 1,973691 | 2,347970 | 2,604379 | 3,137729 |
| 175 | 0,675894        | 1,286408 | 1,653607 | 1,973612 | 2,347845 | 2,604215 | 3,137454 |
| 176 | 0,675886        | 1,286380 | 1,653557 | 1,973534 | 2,347722 | 2,604052 | 3,137182 |
| 177 | 0,675878        | 1,286353 | 1,653508 | 1,973457 | 2,347600 | 2,603891 | 3,136913 |
| 178 | 0,675871        | 1,286326 | 1,653459 | 1,973381 | 2,347479 | 2,603731 | 3,136648 |
| 179 | 0,675863        | 1,286299 | 1,653411 | 1,973305 | 2,347360 | 2,603574 | 3,136385 |
| 180 | 0,675855        | 1,286272 | 1,653363 | 1,973231 | 2,347243 | 2,603418 | 3,136125 |
| 181 | 0,675848        | 1,286246 | 1,653316 | 1,973157 | 2,347126 | 2,603264 | 3,135868 |
| 182 | 0,675840        | 1,286220 | 1,653269 | 1,973084 | 2,347011 | 2,603112 | 3,135614 |
| 183 | 0,675833        | 1,286195 | 1,653223 | 1,973012 | 2,346897 | 2,602961 | 3,135363 |
| 184 | 0,675825        | 1,286169 | 1,653177 | 1,972941 | 2,346785 | 2,602813 | 3,135114 |
| 185 | 0,675818        | 1,286144 | 1,653132 | 1,972870 | 2,346673 | 2,602665 | 3,134868 |
| 186 | 0,675811        | 1,286120 | 1,653087 | 1,972800 | 2,346563 | 2,602520 | 3,134625 |
| 187 | 0,675804        | 1,286095 | 1,653043 | 1,972731 | 2,346454 | 2,602376 | 3,134385 |
| 188 | 0,675797        | 1,286071 | 1,652999 | 1,972663 | 2,346346 | 2,602233 | 3,134147 |
| 189 | 0,675790        | 1,286047 | 1,652956 | 1,972595 | 2,346240 | 2,602092 | 3,133911 |
| 190 | 0,675783        | 1,286023 | 1,652913 | 1,972528 | 2,346134 | 2,601952 | 3,133679 |
| 191 | 0,675776        | 1,286000 | 1,652871 | 1,972462 | 2,346030 | 2,601814 | 3,133448 |
| 192 | 0,675770        | 1,285976 | 1,652829 | 1,972396 | 2,345926 | 2,601678 | 3,133220 |
| 193 | 0,675763        | 1,285953 | 1,652787 | 1,972332 | 2,345824 | 2,601543 | 3,132995 |
| 194 | 0,675756        | 1,285931 | 1,652746 | 1,972268 | 2,345723 | 2,601409 | 3,132772 |
| 195 | 0,675750        | 1,285908 | 1,652705 | 1,972204 | 2,345623 | 2,601276 | 3,132551 |
| 196 | 0,675744        | 1,285886 | 1,652665 | 1,972141 | 2,345524 | 2,601145 | 3,132332 |
| 197 | 0,675737        | 1,285864 | 1,652625 | 1,972079 | 2,345425 | 2,601016 | 3,132116 |
| 198 | 0,675731        | 1,285842 | 1,652586 | 1,972017 | 2,345328 | 2,600887 | 3,131902 |
| 199 | 0,675725        | 1,285820 | 1,652547 | 1,971957 | 2,345232 | 2,600760 | 3,131690 |
| 200 | 0,675718        | 1,285799 | 1,652508 | 1,971896 | 2,345137 | 2,600634 | 3,131480 |

## Lampiran 7 F Tabel

| Titik Persentase Distribusi F untuk Probabilita = 0,05 |                         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|--|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| df untuk penyebut (N2)                                 | df untuk pembilang (N1) |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|  | 1                       | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    | 15    |
| 1  | 161                     | 199   | 216   | 225   | 230   | 234   | 237   | 239   | 241   | 242   | 243   | 244   | 245   | 245   | 246   |
| 2  | 18.51                   | 19.00 | 19.16 | 19.25 | 19.30 | 19.33 | 19.35 | 19.37 | 19.38 | 19.40 | 19.40 | 19.41 | 19.42 | 19.42 | 19.43 |
| 3  | 10.13                   | 9.55  | 9.28  | 9.12  | 9.01  | 8.94  | 8.89  | 8.85  | 8.81  | 8.79  | 8.76  | 8.74  | 8.73  | 8.71  | 8.70  |
| 4  | 7.71                    | 6.94  | 6.59  | 6.39  | 6.26  | 6.16  | 6.09  | 6.04  | 6.00  | 5.96  | 5.94  | 5.91  | 5.89  | 5.87  | 5.86  |
| 5  | 6.61                    | 5.79  | 5.41  | 5.19  | 5.05  | 4.95  | 4.88  | 4.82  | 4.77  | 4.74  | 4.70  | 4.68  | 4.66  | 4.64  | 4.62  |
| 6  | 5.99                    | 5.14  | 4.76  | 4.53  | 4.39  | 4.28  | 4.21  | 4.15  | 4.10  | 4.06  | 4.03  | 4.00  | 3.98  | 3.96  | 3.94  |
| 7  | 5.59                    | 4.74  | 4.35  | 4.12  | 3.97  | 3.87  | 3.79  | 3.73  | 3.68  | 3.64  | 3.60  | 3.57  | 3.55  | 3.53  | 3.51  |
| 8  | 5.32                    | 4.46  | 4.07  | 3.84  | 3.69  | 3.58  | 3.50  | 3.44  | 3.39  | 3.35  | 3.31  | 3.28  | 3.26  | 3.24  | 3.22  |
| 9  | 5.12                    | 4.26  | 3.86  | 3.63  | 3.48  | 3.37  | 3.29  | 3.23  | 3.18  | 3.14  | 3.10  | 3.07  | 3.05  | 3.03  | 3.01  |
| 10   | 4.96                    | 4.10  | 3.71  | 3.48  | 3.33  | 3.22  | 3.14  | 3.07  | 3.02  | 2.98  | 2.94  | 2.91  | 2.89  | 2.86  | 2.85  |
| 11   | 4.84                    | 3.98  | 3.59  | 3.36  | 3.20  | 3.09  | 3.01  | 2.95  | 2.90  | 2.85  | 2.82  | 2.79  | 2.76  | 2.74  | 2.72  |
| 12   | 4.75                    | 3.89  | 3.49  | 3.26  | 3.11  | 3.00  | 2.91  | 2.85  | 2.80  | 2.75  | 2.72  | 2.69  | 2.66  | 2.64  | 2.62  |
| 13   | 4.67                    | 3.81  | 3.41  | 3.18  | 3.03  | 2.92  | 2.83  | 2.77  | 2.71  | 2.67  | 2.63  | 2.60  | 2.58  | 2.55  | 2.53  |
| 14   | 4.60                    | 3.74  | 3.34  | 3.11  | 2.96  | 2.85  | 2.76  | 2.70  | 2.65  | 2.60  | 2.57  | 2.53  | 2.51  | 2.48  | 2.46  |
| 15   | 4.54                    | 3.68  | 3.29  | 3.06  | 2.90  | 2.79  | 2.71  | 2.64  | 2.59  | 2.54  | 2.51  | 2.48  | 2.45  | 2.42  | 2.40  |
| 16   | 4.49                    | 3.63  | 3.24  | 3.01  | 2.85  | 2.74  | 2.66  | 2.59  | 2.54  | 2.49  | 2.46  | 2.42  | 2.40  | 2.37  | 2.35  |
| 17   | 4.45                    | 3.59  | 3.20  | 2.96  | 2.81  | 2.70  | 2.61  | 2.55  | 2.49  | 2.45  | 2.41  | 2.38  | 2.35  | 2.33  | 2.31  |
| 18   | 4.41                    | 3.55  | 3.16  | 2.93  | 2.77  | 2.66  | 2.58  | 2.51  | 2.46  | 2.41  | 2.37  | 2.34  | 2.31  | 2.29  | 2.27  |
| 19   | 4.38                    | 3.52  | 3.13  | 2.90  | 2.74  | 2.63  | 2.54  | 2.48  | 2.42  | 2.38  | 2.34  | 2.31  | 2.28  | 2.26  | 2.23  |
| 20   | 4.35                    | 3.49  | 3.10  | 2.87  | 2.71  | 2.60  | 2.51  | 2.45  | 2.39  | 2.35  | 2.31  | 2.28  | 2.25  | 2.22  | 2.20  |
| 21   | 4.32                    | 3.47  | 3.07  | 2.84  | 2.68  | 2.57  | 2.49  | 2.42  | 2.37  | 2.32  | 2.28  | 2.25  | 2.22  | 2.20  | 2.18  |
| 22   | 4.30                    | 3.44  | 3.05  | 2.82  | 2.66  | 2.55  | 2.46  | 2.40  | 2.34  | 2.30  | 2.26  | 2.23  | 2.20  | 2.17  | 2.15  |
| 23   | 4.28                    | 3.42  | 3.03  | 2.80  | 2.64  | 2.53  | 2.44  | 2.37  | 2.32  | 2.27  | 2.24  | 2.20  | 2.18  | 2.15  | 2.13  |
| 24   | 4.26                    | 3.40  | 3.01  | 2.78  | 2.62  | 2.51  | 2.42  | 2.36  | 2.30  | 2.25  | 2.22  | 2.18  | 2.15  | 2.13  | 2.11  |
| 25   | 4.24                    | 3.39  | 2.99  | 2.76  | 2.60  | 2.49  | 2.40  | 2.34  | 2.28  | 2.24  | 2.20  | 2.16  | 2.14  | 2.11  | 2.09  |
| 26   | 4.23                    | 3.37  | 2.98  | 2.74  | 2.59  | 2.47  | 2.39  | 2.32  | 2.27  | 2.22  | 2.18  | 2.15  | 2.12  | 2.09  | 2.07  |
| 27   | 4.21                    | 3.35  | 2.96  | 2.73  | 2.57  | 2.46  | 2.37  | 2.31  | 2.25  | 2.20  | 2.17  | 2.13  | 2.10  | 2.08  | 2.06  |
| 28   | 4.20                    | 3.34  | 2.95  | 2.71  | 2.56  | 2.45  | 2.36  | 2.29  | 2.24  | 2.19  | 2.15  | 2.12  | 2.09  | 2.06  | 2.04  |
| 29   | 4.18                    | 3.33  | 2.93  | 2.70  | 2.55  | 2.43  | 2.35  | 2.28  | 2.22  | 2.18  | 2.14  | 2.10  | 2.08  | 2.05  | 2.03  |
| 30   | 4.17                    | 3.32  | 2.92  | 2.69  | 2.53  | 2.42  | 2.33  | 2.27  | 2.21  | 2.16  | 2.13  | 2.09  | 2.06  | 2.04  | 2.01  |
| 31   | 4.16                    | 3.30  | 2.91  | 2.68  | 2.52  | 2.41  | 2.32  | 2.25  | 2.20  | 2.15  | 2.11  | 2.08  | 2.05  | 2.03  | 2.00  |
| 32   | 4.15                    | 3.29  | 2.90  | 2.67  | 2.51  | 2.40  | 2.31  | 2.24  | 2.19  | 2.14  | 2.10  | 2.07  | 2.04  | 2.01  | 1.99  |
| 33   | 4.14                    | 3.28  | 2.89  | 2.66  | 2.50  | 2.39  | 2.30  | 2.23  | 2.18  | 2.13  | 2.09  | 2.06  | 2.03  | 2.00  | 1.98  |
| 34   | 4.13                    | 3.28  | 2.88  | 2.65  | 2.49  | 2.38  | 2.29  | 2.23  | 2.17  | 2.12  | 2.08  | 2.05  | 2.02  | 1.99  | 1.97  |
| 35   | 4.12                    | 3.27  | 2.87  | 2.64  | 2.49  | 2.37  | 2.29  | 2.22  | 2.16  | 2.11  | 2.07  | 2.04  | 2.01  | 1.99  | 1.96  |
| 36   | 4.11                    | 3.26  | 2.87  | 2.63  | 2.48  | 2.36  | 2.28  | 2.21  | 2.15  | 2.11  | 2.07  | 2.03  | 2.00  | 1.98  | 1.95  |
| 37   | 4.11                    | 3.25  | 2.86  | 2.63  | 2.47  | 2.36  | 2.27  | 2.20  | 2.14  | 2.10  | 2.06  | 2.02  | 2.00  | 1.97  | 1.95  |
| 38   | 4.10                    | 3.24  | 2.85  | 2.62  | 2.46  | 2.35  | 2.26  | 2.19  | 2.14  | 2.09  | 2.05  | 2.02  | 1.99  | 1.96  | 1.94  |
| 39   | 4.09                    | 3.24  | 2.85  | 2.61  | 2.46  | 2.34  | 2.26  | 2.19  | 2.13  | 2.08  | 2.04  | 2.01  | 1.98  | 1.95  | 1.93  |
| 40   | 4.08                    | 3.23  | 2.84  | 2.61  | 2.45  | 2.34  | 2.25  | 2.18  | 2.12  | 2.08  | 2.04  | 2.00  | 1.97  | 1.95  | 1.92  |
| 41   | 4.08                    | 3.23  | 2.83  | 2.60  | 2.44  | 2.33  | 2.24  | 2.17  | 2.12  | 2.07  | 2.03  | 2.00  | 1.97  | 1.94  | 1.92  |
| 42   | 4.07                    | 3.22  | 2.83  | 2.59  | 2.44  | 2.32  | 2.24  | 2.17  | 2.11  | 2.06  | 2.03  | 1.99  | 1.96  | 1.94  | 1.91  |
| 43   | 4.07                    | 3.21  | 2.82  | 2.59  | 2.43  | 2.32  | 2.23  | 2.16  | 2.11  | 2.06  | 2.02  | 1.99  | 1.96  | 1.93  | 1.91  |
| 44   | 4.06                    | 3.21  | 2.82  | 2.58  | 2.43  | 2.31  | 2.23  | 2.16  | 2.10  | 2.05  | 2.01  | 1.98  | 1.95  | 1.92  | 1.90  |
| 45   | 4.06                    | 3.20  | 2.81  | 2.58  | 2.42  | 2.31  | 2.22  | 2.15  | 2.10  | 2.05  | 2.01  | 1.97  | 1.94  | 1.92  | 1.89  |

## Titik Persentase Distribusi F untuk Probabilita = 0,05

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



## Titik Persentase Distribusi F untuk Probabilita = 0,05

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

## Titik Persentase Distribusi F untuk Probabilita = 0,05

| df untuk penyebut (N2) | df untuk pembilang (N1) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|------------------------|-------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                        | 1                       | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   |
| 136                    | 3.91                    | 3.06 | 2.67 | 2.44 | 2.28 | 2.17 | 2.08 | 2.01 | 1.95 | 1.90 | 1.86 | 1.82 | 1.79 | 1.77 | 1.74 |
| 137                    | 3.91                    | 3.06 | 2.67 | 2.44 | 2.28 | 2.17 | 2.08 | 2.01 | 1.95 | 1.90 | 1.86 | 1.82 | 1.79 | 1.76 | 1.74 |
| 138                    | 3.91                    | 3.06 | 2.67 | 2.44 | 2.28 | 2.16 | 2.08 | 2.01 | 1.95 | 1.90 | 1.86 | 1.82 | 1.79 | 1.76 | 1.74 |
| 139                    | 3.91                    | 3.06 | 2.67 | 2.44 | 2.28 | 2.16 | 2.08 | 2.01 | 1.95 | 1.90 | 1.86 | 1.82 | 1.79 | 1.76 | 1.74 |
| 140                    | 3.91                    | 3.06 | 2.67 | 2.44 | 2.28 | 2.16 | 2.08 | 2.01 | 1.95 | 1.90 | 1.86 | 1.82 | 1.79 | 1.76 | 1.74 |
| 141                    | 3.91                    | 3.06 | 2.67 | 2.44 | 2.28 | 2.16 | 2.08 | 2.00 | 1.95 | 1.90 | 1.86 | 1.82 | 1.79 | 1.76 | 1.74 |
| 142                    | 3.91                    | 3.06 | 2.67 | 2.44 | 2.28 | 2.16 | 2.07 | 2.00 | 1.95 | 1.90 | 1.86 | 1.82 | 1.79 | 1.76 | 1.74 |
| 143                    | 3.91                    | 3.06 | 2.67 | 2.43 | 2.28 | 2.16 | 2.07 | 2.00 | 1.95 | 1.90 | 1.86 | 1.82 | 1.79 | 1.76 | 1.74 |
| 144                    | 3.91                    | 3.06 | 2.67 | 2.43 | 2.28 | 2.16 | 2.07 | 2.00 | 1.95 | 1.90 | 1.86 | 1.82 | 1.79 | 1.76 | 1.74 |
| 145                    | 3.91                    | 3.06 | 2.67 | 2.43 | 2.28 | 2.16 | 2.07 | 2.00 | 1.94 | 1.90 | 1.86 | 1.82 | 1.79 | 1.76 | 1.74 |
| 146                    | 3.91                    | 3.06 | 2.67 | 2.43 | 2.28 | 2.16 | 2.07 | 2.00 | 1.94 | 1.90 | 1.85 | 1.82 | 1.79 | 1.76 | 1.74 |
| 147                    | 3.91                    | 3.06 | 2.67 | 2.43 | 2.28 | 2.16 | 2.07 | 2.00 | 1.94 | 1.90 | 1.85 | 1.82 | 1.79 | 1.76 | 1.73 |
| 148                    | 3.91                    | 3.06 | 2.67 | 2.43 | 2.28 | 2.16 | 2.07 | 2.00 | 1.94 | 1.90 | 1.85 | 1.82 | 1.79 | 1.76 | 1.73 |
| 149                    | 3.90                    | 3.06 | 2.67 | 2.43 | 2.27 | 2.16 | 2.07 | 2.00 | 1.94 | 1.89 | 1.85 | 1.82 | 1.79 | 1.76 | 1.73 |
| 150                    | 3.90                    | 3.06 | 2.66 | 2.43 | 2.27 | 2.16 | 2.07 | 2.00 | 1.94 | 1.89 | 1.85 | 1.82 | 1.79 | 1.76 | 1.73 |
| 151                    | 3.90                    | 3.06 | 2.66 | 2.43 | 2.27 | 2.16 | 2.07 | 2.00 | 1.94 | 1.89 | 1.85 | 1.82 | 1.79 | 1.76 | 1.73 |
| 152                    | 3.90                    | 3.06 | 2.66 | 2.43 | 2.27 | 2.16 | 2.07 | 2.00 | 1.94 | 1.89 | 1.85 | 1.82 | 1.79 | 1.76 | 1.73 |
| 153                    | 3.90                    | 3.06 | 2.66 | 2.43 | 2.27 | 2.16 | 2.07 | 2.00 | 1.94 | 1.89 | 1.85 | 1.82 | 1.78 | 1.76 | 1.73 |
| 154                    | 3.90                    | 3.05 | 2.66 | 2.43 | 2.27 | 2.16 | 2.07 | 2.00 | 1.94 | 1.89 | 1.85 | 1.82 | 1.78 | 1.76 | 1.73 |
| 155                    | 3.90                    | 3.05 | 2.66 | 2.43 | 2.27 | 2.16 | 2.07 | 2.00 | 1.94 | 1.89 | 1.85 | 1.82 | 1.78 | 1.76 | 1.73 |
| 156                    | 3.90                    | 3.05 | 2.66 | 2.43 | 2.27 | 2.16 | 2.07 | 2.00 | 1.94 | 1.89 | 1.85 | 1.81 | 1.78 | 1.76 | 1.73 |
| 157                    | 3.90                    | 3.05 | 2.66 | 2.43 | 2.27 | 2.16 | 2.07 | 2.00 | 1.94 | 1.89 | 1.85 | 1.81 | 1.78 | 1.76 | 1.73 |
| 158                    | 3.90                    | 3.05 | 2.66 | 2.43 | 2.27 | 2.16 | 2.07 | 2.00 | 1.94 | 1.89 | 1.85 | 1.81 | 1.78 | 1.75 | 1.73 |
| 159                    | 3.90                    | 3.05 | 2.66 | 2.43 | 2.27 | 2.16 | 2.07 | 2.00 | 1.94 | 1.89 | 1.85 | 1.81 | 1.78 | 1.75 | 1.73 |
| 160                    | 3.90                    | 3.05 | 2.66 | 2.43 | 2.27 | 2.16 | 2.07 | 2.00 | 1.94 | 1.89 | 1.85 | 1.81 | 1.78 | 1.75 | 1.73 |
| 161                    | 3.90                    | 3.05 | 2.66 | 2.43 | 2.27 | 2.16 | 2.07 | 2.00 | 1.94 | 1.89 | 1.85 | 1.81 | 1.78 | 1.75 | 1.73 |
| 162                    | 3.90                    | 3.05 | 2.66 | 2.43 | 2.27 | 2.15 | 2.07 | 2.00 | 1.94 | 1.89 | 1.85 | 1.81 | 1.78 | 1.75 | 1.73 |
| 163                    | 3.90                    | 3.05 | 2.66 | 2.43 | 2.27 | 2.15 | 2.07 | 2.00 | 1.94 | 1.89 | 1.85 | 1.81 | 1.78 | 1.75 | 1.73 |
| 164                    | 3.90                    | 3.05 | 2.66 | 2.43 | 2.27 | 2.15 | 2.07 | 2.00 | 1.94 | 1.89 | 1.85 | 1.81 | 1.78 | 1.75 | 1.73 |
| 165                    | 3.90                    | 3.05 | 2.66 | 2.43 | 2.27 | 2.15 | 2.07 | 1.99 | 1.94 | 1.89 | 1.85 | 1.81 | 1.78 | 1.75 | 1.73 |
| 166                    | 3.90                    | 3.05 | 2.66 | 2.43 | 2.27 | 2.15 | 2.07 | 1.99 | 1.94 | 1.89 | 1.85 | 1.81 | 1.78 | 1.75 | 1.73 |
| 167                    | 3.90                    | 3.05 | 2.66 | 2.43 | 2.27 | 2.15 | 2.06 | 1.99 | 1.94 | 1.89 | 1.85 | 1.81 | 1.78 | 1.75 | 1.73 |
| 168                    | 3.90                    | 3.05 | 2.66 | 2.43 | 2.27 | 2.15 | 2.06 | 1.99 | 1.94 | 1.89 | 1.85 | 1.81 | 1.78 | 1.75 | 1.73 |
| 169                    | 3.90                    | 3.05 | 2.66 | 2.43 | 2.27 | 2.15 | 2.06 | 1.99 | 1.94 | 1.89 | 1.85 | 1.81 | 1.78 | 1.75 | 1.73 |
| 170                    | 3.90                    | 3.05 | 2.66 | 2.42 | 2.27 | 2.15 | 2.06 | 1.99 | 1.94 | 1.89 | 1.85 | 1.81 | 1.78 | 1.75 | 1.73 |
| 171                    | 3.90                    | 3.05 | 2.66 | 2.42 | 2.27 | 2.15 | 2.06 | 1.99 | 1.93 | 1.89 | 1.85 | 1.81 | 1.78 | 1.75 | 1.73 |
| 172                    | 3.90                    | 3.05 | 2.66 | 2.42 | 2.27 | 2.15 | 2.06 | 1.99 | 1.93 | 1.89 | 1.84 | 1.81 | 1.78 | 1.75 | 1.72 |
| 173                    | 3.90                    | 3.05 | 2.66 | 2.42 | 2.27 | 2.15 | 2.06 | 1.99 | 1.93 | 1.89 | 1.84 | 1.81 | 1.78 | 1.75 | 1.72 |
| 174                    | 3.90                    | 3.05 | 2.66 | 2.42 | 2.27 | 2.15 | 2.06 | 1.99 | 1.93 | 1.89 | 1.84 | 1.81 | 1.78 | 1.75 | 1.72 |
| 175                    | 3.90                    | 3.05 | 2.66 | 2.42 | 2.27 | 2.15 | 2.06 | 1.99 | 1.93 | 1.89 | 1.84 | 1.81 | 1.78 | 1.75 | 1.72 |
| 176                    | 3.89                    | 3.05 | 2.66 | 2.42 | 2.27 | 2.15 | 2.06 | 1.99 | 1.93 | 1.88 | 1.84 | 1.81 | 1.78 | 1.75 | 1.72 |
| 177                    | 3.89                    | 3.05 | 2.66 | 2.42 | 2.27 | 2.15 | 2.06 | 1.99 | 1.93 | 1.88 | 1.84 | 1.81 | 1.78 | 1.75 | 1.72 |
| 178                    | 3.89                    | 3.05 | 2.66 | 2.42 | 2.26 | 2.15 | 2.06 | 1.99 | 1.93 | 1.88 | 1.84 | 1.81 | 1.78 | 1.75 | 1.72 |
| 179                    | 3.89                    | 3.05 | 2.66 | 2.42 | 2.26 | 2.15 | 2.06 | 1.99 | 1.93 | 1.88 | 1.84 | 1.81 | 1.78 | 1.75 | 1.72 |
| 180                    | 3.89                    | 3.05 | 2.65 | 2.42 | 2.26 | 2.15 | 2.06 | 1.99 | 1.93 | 1.88 | 1.84 | 1.81 | 1.77 | 1.75 | 1.72 |



## Titik Persentase Distribusi F untuk Probabilita = 0,05

| df untuk penyebut (N2) | df untuk pembilang (N1) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|------------------------|-------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                        | 1                       | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   |
| 181                    | 3.89                    | 3.05 | 2.65 | 2.42 | 2.26 | 2.15 | 2.06 | 1.99 | 1.93 | 1.88 | 1.84 | 1.81 | 1.77 | 1.75 | 1.72 |
| 182                    | 3.89                    | 3.05 | 2.65 | 2.42 | 2.26 | 2.15 | 2.06 | 1.99 | 1.93 | 1.88 | 1.84 | 1.81 | 1.77 | 1.75 | 1.72 |
| 183                    | 3.89                    | 3.05 | 2.65 | 2.42 | 2.26 | 2.15 | 2.06 | 1.99 | 1.93 | 1.88 | 1.84 | 1.81 | 1.77 | 1.75 | 1.72 |
| 184                    | 3.89                    | 3.05 | 2.65 | 2.42 | 2.26 | 2.15 | 2.06 | 1.99 | 1.93 | 1.88 | 1.84 | 1.81 | 1.77 | 1.75 | 1.72 |
| 185                    | 3.89                    | 3.04 | 2.65 | 2.42 | 2.26 | 2.15 | 2.06 | 1.99 | 1.93 | 1.88 | 1.84 | 1.80 | 1.77 | 1.75 | 1.72 |
| 186                    | 3.89                    | 3.04 | 2.65 | 2.42 | 2.26 | 2.15 | 2.06 | 1.99 | 1.93 | 1.88 | 1.84 | 1.80 | 1.77 | 1.75 | 1.72 |
| 187                    | 3.89                    | 3.04 | 2.65 | 2.42 | 2.26 | 2.15 | 2.06 | 1.99 | 1.93 | 1.88 | 1.84 | 1.80 | 1.77 | 1.74 | 1.72 |
| 188                    | 3.89                    | 3.04 | 2.65 | 2.42 | 2.26 | 2.15 | 2.06 | 1.99 | 1.93 | 1.88 | 1.84 | 1.80 | 1.77 | 1.74 | 1.72 |
| 189                    | 3.89                    | 3.04 | 2.65 | 2.42 | 2.26 | 2.15 | 2.06 | 1.99 | 1.93 | 1.88 | 1.84 | 1.80 | 1.77 | 1.74 | 1.72 |
| 190                    | 3.89                    | 3.04 | 2.65 | 2.42 | 2.26 | 2.15 | 2.06 | 1.99 | 1.93 | 1.88 | 1.84 | 1.80 | 1.77 | 1.74 | 1.72 |
| 191                    | 3.89                    | 3.04 | 2.65 | 2.42 | 2.26 | 2.15 | 2.06 | 1.99 | 1.93 | 1.88 | 1.84 | 1.80 | 1.77 | 1.74 | 1.72 |
| 192                    | 3.89                    | 3.04 | 2.65 | 2.42 | 2.26 | 2.15 | 2.06 | 1.99 | 1.93 | 1.88 | 1.84 | 1.80 | 1.77 | 1.74 | 1.72 |
| 193                    | 3.89                    | 3.04 | 2.65 | 2.42 | 2.26 | 2.15 | 2.06 | 1.99 | 1.93 | 1.88 | 1.84 | 1.80 | 1.77 | 1.74 | 1.72 |
| 194                    | 3.89                    | 3.04 | 2.65 | 2.42 | 2.26 | 2.15 | 2.06 | 1.99 | 1.93 | 1.88 | 1.84 | 1.80 | 1.77 | 1.74 | 1.72 |
| 195                    | 3.89                    | 3.04 | 2.65 | 2.42 | 2.26 | 2.15 | 2.06 | 1.99 | 1.93 | 1.88 | 1.84 | 1.80 | 1.77 | 1.74 | 1.72 |
| 196                    | 3.89                    | 3.04 | 2.65 | 2.42 | 2.26 | 2.15 | 2.06 | 1.99 | 1.93 | 1.88 | 1.84 | 1.80 | 1.77 | 1.74 | 1.72 |
| 197                    | 3.89                    | 3.04 | 2.65 | 2.42 | 2.26 | 2.14 | 2.06 | 1.99 | 1.93 | 1.88 | 1.84 | 1.80 | 1.77 | 1.74 | 1.72 |
| 198                    | 3.89                    | 3.04 | 2.65 | 2.42 | 2.26 | 2.14 | 2.06 | 1.99 | 1.93 | 1.88 | 1.84 | 1.80 | 1.77 | 1.74 | 1.72 |
| 199                    | 3.89                    | 3.04 | 2.65 | 2.42 | 2.26 | 2.14 | 2.06 | 1.99 | 1.93 | 1.88 | 1.84 | 1.80 | 1.77 | 1.74 | 1.72 |
| 200                    | 3.89                    | 3.04 | 2.65 | 2.42 | 2.26 | 2.14 | 2.06 | 1.98 | 1.93 | 1.88 | 1.84 | 1.80 | 1.77 | 1.74 | 1.72 |
| 201                    | 3.89                    | 3.04 | 2.65 | 2.42 | 2.26 | 2.14 | 2.06 | 1.98 | 1.93 | 1.88 | 1.84 | 1.80 | 1.77 | 1.74 | 1.72 |
| 202                    | 3.89                    | 3.04 | 2.65 | 2.42 | 2.26 | 2.14 | 2.06 | 1.98 | 1.93 | 1.88 | 1.84 | 1.80 | 1.77 | 1.74 | 1.72 |
| 203                    | 3.89                    | 3.04 | 2.65 | 2.42 | 2.26 | 2.14 | 2.05 | 1.98 | 1.93 | 1.88 | 1.84 | 1.80 | 1.77 | 1.74 | 1.72 |
| 204                    | 3.89                    | 3.04 | 2.65 | 2.42 | 2.26 | 2.14 | 2.05 | 1.98 | 1.93 | 1.88 | 1.84 | 1.80 | 1.77 | 1.74 | 1.72 |
| 205                    | 3.89                    | 3.04 | 2.65 | 2.42 | 2.26 | 2.14 | 2.05 | 1.98 | 1.93 | 1.88 | 1.84 | 1.80 | 1.77 | 1.74 | 1.72 |
| 206                    | 3.89                    | 3.04 | 2.65 | 2.42 | 2.26 | 2.14 | 2.05 | 1.98 | 1.93 | 1.88 | 1.84 | 1.80 | 1.77 | 1.74 | 1.72 |
| 207                    | 3.89                    | 3.04 | 2.65 | 2.42 | 2.26 | 2.14 | 2.05 | 1.98 | 1.93 | 1.88 | 1.84 | 1.80 | 1.77 | 1.74 | 1.71 |
| 208                    | 3.89                    | 3.04 | 2.65 | 2.42 | 2.26 | 2.14 | 2.05 | 1.98 | 1.93 | 1.88 | 1.83 | 1.80 | 1.77 | 1.74 | 1.71 |
| 209                    | 3.89                    | 3.04 | 2.65 | 2.41 | 2.26 | 2.14 | 2.05 | 1.98 | 1.92 | 1.88 | 1.83 | 1.80 | 1.77 | 1.74 | 1.71 |
| 210                    | 3.89                    | 3.04 | 2.65 | 2.41 | 2.26 | 2.14 | 2.05 | 1.98 | 1.92 | 1.88 | 1.83 | 1.80 | 1.77 | 1.74 | 1.71 |
| 211                    | 3.89                    | 3.04 | 2.65 | 2.41 | 2.26 | 2.14 | 2.05 | 1.98 | 1.92 | 1.88 | 1.83 | 1.80 | 1.77 | 1.74 | 1.71 |
| 212                    | 3.89                    | 3.04 | 2.65 | 2.41 | 2.26 | 2.14 | 2.05 | 1.98 | 1.92 | 1.88 | 1.83 | 1.80 | 1.77 | 1.74 | 1.71 |
| 213                    | 3.89                    | 3.04 | 2.65 | 2.41 | 2.26 | 2.14 | 2.05 | 1.98 | 1.92 | 1.88 | 1.83 | 1.80 | 1.77 | 1.74 | 1.71 |
| 214                    | 3.89                    | 3.04 | 2.65 | 2.41 | 2.26 | 2.14 | 2.05 | 1.98 | 1.92 | 1.88 | 1.83 | 1.80 | 1.77 | 1.74 | 1.71 |
| 215                    | 3.89                    | 3.04 | 2.65 | 2.41 | 2.26 | 2.14 | 2.05 | 1.98 | 1.92 | 1.87 | 1.83 | 1.80 | 1.77 | 1.74 | 1.71 |
| 216                    | 3.88                    | 3.04 | 2.65 | 2.41 | 2.26 | 2.14 | 2.05 | 1.98 | 1.92 | 1.87 | 1.83 | 1.80 | 1.77 | 1.74 | 1.71 |
| 217                    | 3.88                    | 3.04 | 2.65 | 2.41 | 2.26 | 2.14 | 2.05 | 1.98 | 1.92 | 1.87 | 1.83 | 1.80 | 1.77 | 1.74 | 1.71 |
| 218                    | 3.88                    | 3.04 | 2.65 | 2.41 | 2.26 | 2.14 | 2.05 | 1.98 | 1.92 | 1.87 | 1.83 | 1.80 | 1.77 | 1.74 | 1.71 |
| 219                    | 3.88                    | 3.04 | 2.65 | 2.41 | 2.26 | 2.14 | 2.05 | 1.98 | 1.92 | 1.87 | 1.83 | 1.80 | 1.77 | 1.74 | 1.71 |
| 220                    | 3.88                    | 3.04 | 2.65 | 2.41 | 2.26 | 2.14 | 2.05 | 1.98 | 1.92 | 1.87 | 1.83 | 1.80 | 1.76 | 1.74 | 1.71 |
| 221                    | 3.88                    | 3.04 | 2.65 | 2.41 | 2.25 | 2.14 | 2.05 | 1.98 | 1.92 | 1.87 | 1.83 | 1.80 | 1.76 | 1.74 | 1.71 |
| 222                    | 3.88                    | 3.04 | 2.65 | 2.41 | 2.25 | 2.14 | 2.05 | 1.98 | 1.92 | 1.87 | 1.83 | 1.80 | 1.76 | 1.74 | 1.71 |
| 223                    | 3.88                    | 3.04 | 2.65 | 2.41 | 2.25 | 2.14 | 2.05 | 1.98 | 1.92 | 1.87 | 1.83 | 1.80 | 1.76 | 1.74 | 1.71 |
| 224                    | 3.88                    | 3.04 | 2.64 | 2.41 | 2.25 | 2.14 | 2.05 | 1.98 | 1.92 | 1.87 | 1.83 | 1.80 | 1.76 | 1.74 | 1.71 |
| 225                    | 3.88                    | 3.04 | 2.64 | 2.41 | 2.25 | 2.14 | 2.05 | 1.98 | 1.92 | 1.87 | 1.83 | 1.80 | 1.76 | 1.74 | 1.71 |

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