

# **LAMPIRAN 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 : 3229/34/ST/AK/D/XII/2024

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

Nama : **Faizal Haris Eko Prabowo, S.E., M.M.**  
          sebagai Pembimbing I  
Nama : **Toto, S.E., M.M.**  
          sebagai Pembimbing II

Dalam penulisan/penyusunan skripsi mahasiswa untuk dan atas :

Nama : **RANI RAHAYU**  
NIM : **3402190495**  
Program Studi : **Manajemen**  
Judul Skripsi : **PENGARUH PERSEPSI RISIKO DAN PERSEPSI MANFAAT  
TERHADAP KEPUTUSAN MENGGUNAKAN E-MONEY (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, 9 Desember 2024  
Dekan,  
  
**Dr. Nurdiana Mulyatini, S.E., M.M.**  
NIK. 3112770079

Tembusan :

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

## SURAT PENGANTAR ANGKET

Ciamis, Januari 2026

Kepada Yth.

Bapak/Ibu/Sdr/i Responden  
di Tempat

Assalamualaikum Wr. Wb.

Dengan kerendahan hati, saya Rani Rahayu mahasiswa tingkat akhir Program Studi Manajemen Fakultas Ekonomi Universitas Galuh Ciamis, memohon kesediaan Bapak/Ibu/Sdr/i Responden untuk mengisi daftar pertanyaan/ Pernyataan yang berkaitan dengan judul penelitian saya yaitu **Pengaruh Persepsi Risiko dan Persepsi Manfaat Terhadap Keputusan Menggunakan *E-wallet* Dana di Kota Tasikmalaya.**

Pengisian daftar pernyataan ini bertujuan untuk kepentingan akademis dan untuk melengkapi data dalam menyelesaikan penelitian bukan untuk dipublikasikan serta tidak ada hubungannya atau akibatnya dengan pekerjaan Bapak/Ibu.

Demikian permohonan ini saya sampaikan, atas bantuan Bapak/Ibu/Sdr saya ucapkan terima kasih.

Wassalamualaikum Wr. Wb.

Hormat saya,

**RANI RAHAYU**  
**3402190495**

### A. PETUNJUK PENGISIAN

1. Mohon kuesioner diisi oleh Bapak/Ibu/Sdr/i untuk menjawab seluruh pernyataan yang telah disediakan.
2. Pada data responden, Bapak/Ibu dipersilahkan untuk mengisi data dengan tanda ceklist.
3. Bapak/Ibu/Sdr dipersilahkan untuk memberi tanda ceklis (✓) pada kolom jawaban “SS” (Sangat Setuju), “S” (Setuju), “K” (Kurang Setuju), “TS” (Tidak Setuju), serta “STS” (Sangat Tidak Setuju), yang dianggap paling tepat.
4. Dalam menjawab pernyataan-pernyataan ini tidak ada yang salah, oleh sebab itu, usahakan tidak ada jawaban yang dikosongkan.

### B. DATA RESPONDEN

1. Jenis Kelamin : ☐ Laki-laki ☐ Perempuan
2. Usia : ☐ ≤ 20 tahun  
☐ 21 s/d 30 tahun  
☐ 31 s/d 40 tahun  
☐ > 40 tahun
3. Pekerjaan : ☐ Pelajar / Mahasiswa  
☐ ASN  
☐ Wiraswasta  
☐ Lainnya
4. Lama Menggunakan *E-wallet* Dana:  
☐ ≤ 1 Tahun  
☐ 1 – 3 Tahun  
☐ 3 – 5 Tahun  
☐ > 5 Tahun
5. Frekuensi Penggunaan *E-wallet* Dana dalam sebulan:  
☐ < 10 Kali ☐ >10 Kali

|                     |
|---------------------|
| <b>C. KUESIONER</b> |
|---------------------|

**KUESIONER**  
**Persepsi Risiko ( $X_1$ )**

| No.                      | Pernyataan                                                                            | Jawaban Pernyataan |   |    |    |     |
|--------------------------|---------------------------------------------------------------------------------------|--------------------|---|----|----|-----|
|                          |                                                                                       | SS                 | S | KS | TS | STS |
| Ada risiko tertentu      |                                                                                       |                    |   |    |    |     |
| 1                        | Penggunaan <i>E-wallet</i> memiliki risiko tertentu dalam proses transaksi.           |                    |   |    |    |     |
| 2                        | Setiap transaksi menggunakan <i>E-wallet</i> berpotensi menimbulkan masalah.          |                    |   |    |    |     |
| 3                        | Keputusan menggunakan <i>E-wallet</i> dapat menimbulkan dampak yang tidak diharapkan. |                    |   |    |    |     |
| 4                        | Penggunaan <i>E-wallet</i> tetap mengandung risiko meskipun memberikan kemudahan.     |                    |   |    |    |     |
| Mengalami kerugian       |                                                                                       |                    |   |    |    |     |
| 5                        | Penggunaan <i>E-wallet</i> dapat menyebabkan kerugian finansial.                      |                    |   |    |    |     |
| 6                        | Kerugian dapat terjadi akibat kesalahan dalam transaksi <i>E-wallet</i> .             |                    |   |    |    |     |
| 7                        | Masalah pada sistem <i>E-wallet</i> dapat menimbulkan kerugian bagi pengguna.         |                    |   |    |    |     |
| 8                        | Risiko kerugian menjadi pertimbangan dalam penggunaan <i>E-wallet</i> .               |                    |   |    |    |     |
| Pemikiran bahwa berisiko |                                                                                       |                    |   |    |    |     |
| 9                        | Penggunaan <i>E-wallet</i> dianggap memiliki tingkat risiko tertentu.                 |                    |   |    |    |     |
| 10                       | Transaksi menggunakan <i>E-wallet</i> dinilai berisiko.                               |                    |   |    |    |     |
| 11                       | Informasi mengenai kasus penipuan memengaruhi penilaian risiko <i>E-wallet</i> .      |                    |   |    |    |     |
| 12                       | <i>E-wallet</i> dipersepsikan memiliki potensi dampak negatif.                        |                    |   |    |    |     |

**KUESIONER**  
**Persepsi Manfaat (X<sub>2</sub>)**

| No                        | Pernyataan                                                           | Jawaban Pertanyaan |   |    |    |     |
|---------------------------|----------------------------------------------------------------------|--------------------|---|----|----|-----|
|                           |                                                                      | SS                 | S | KS | TS | STS |
| <b>Kualitas informasi</b> |                                                                      |                    |   |    |    |     |
| 1                         | Informasi saldo pada <i>E-wallet</i> ditampilkan secara akurat.      |                    |   |    |    |     |
| 2                         | Informasi transaksi pada <i>E-wallet</i> mudah dipahami.             |                    |   |    |    |     |
| 3                         | Informasi yang disediakan oleh <i>E-wallet</i> dapat dipercaya       |                    |   |    |    |     |
| <b>efektivitas</b>        |                                                                      |                    |   |    |    |     |
| 4                         | Penggunaan <i>E-wallet</i> mempercepat proses pembayaran.            |                    |   |    |    |     |
| 5                         | <i>E-wallet</i> mempermudah transaksi dalam aktivitas sehari-hari.   |                    |   |    |    |     |
| 6                         | <i>E-wallet</i> membantu transaksi dilakukan secara lebih efisien.   |                    |   |    |    |     |
| <b>Keuntungan</b>         |                                                                      |                    |   |    |    |     |
| 7                         | Penggunaan <i>E-wallet</i> memberikan keuntungan finansial.          |                    |   |    |    |     |
| 8                         | <i>E-wallet</i> menyediakan promo atau potongan harga.               |                    |   |    |    |     |
| 9                         | Penggunaan <i>E-wallet</i> membantu menghemat pengeluaran transaksi. |                    |   |    |    |     |
| <b>Kepuasan</b>           |                                                                      |                    |   |    |    |     |
| 10                        | Penggunaan <i>E-wallet</i> memberikan kepuasan dalam bertransaksi.   |                    |   |    |    |     |
| 11                        | Layanan <i>E-wallet</i> berjalan sesuai dengan harapan.              |                    |   |    |    |     |
| 12                        | Pengalaman menggunakan <i>E-wallet</i> dinilai memuaskan.            |                    |   |    |    |     |

**KUESIONER**  
**Keputusan Pengguna (Y)**

| No                                                  | Pernyataan                                                                       | Jawaban Pertanyaan |   |    |    |     |
|-----------------------------------------------------|----------------------------------------------------------------------------------|--------------------|---|----|----|-----|
|                                                     |                                                                                  | SS                 | S | KS | TS | STS |
| <b>Keinginan untuk menggunakan produk atau jasa</b> |                                                                                  |                    |   |    |    |     |
| 1                                                   | Terdapat keinginan untuk menggunakan <i>E-wallet</i> dalam melakukan pembayaran. |                    |   |    |    |     |
| 2                                                   | Penggunaan <i>E-wallet</i> menjadi pilihan dalam transaksi sehari-hari.          |                    |   |    |    |     |

| No                                                          | Pernyataan                                                                           | Jawaban Pertanyaan |   |    |    |     |
|-------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------|---|----|----|-----|
|                                                             |                                                                                      | SS                 | S | KS | TS | STS |
| Ketertarikan terhadap produk atau jasa                      |                                                                                      |                    |   |    |    |     |
| 3                                                           | Fitur yang tersedia pada <i>E-wallet</i> menimbulkan ketertarikan.                   |                    |   |    |    |     |
| 4                                                           | Layanan <i>E-wallet</i> menarik untuk digunakan dalam bertransaksi.                  |                    |   |    |    |     |
| Keyakinan untuk membeli atau menggunakan                    |                                                                                      |                    |   |    |    |     |
| 5                                                           | <i>E-wallet</i> diyakini mampu mendukung kebutuhan transaksi.                        |                    |   |    |    |     |
| 6                                                           | Keputusan menggunakan <i>E-wallet</i> dinilai tepat                                  |                    |   |    |    |     |
| Keinginan untuk membeli atau menggunakan                    |                                                                                      |                    |   |    |    |     |
| 7                                                           | Terdapat niat untuk menggunakan <i>E-wallet</i> dalam transaksi ke depan.            |                    |   |    |    |     |
| 8                                                           | <i>E-wallet</i> mendorong keinginan untuk melakukan transaksi non-tunai.             |                    |   |    |    |     |
| Kesediaan untuk berkorban demi mendapatkan produk atau jasa |                                                                                      |                    |   |    |    |     |
| 9                                                           | Terdapat kesediaan mengeluarkan biaya administrasi untuk menggunakan <i>E-wallet</i> |                    |   |    |    |     |
| 10                                                          | Waktu bersedia dialokasikan untuk mempelajari penggunaan <i>E-wallet</i> .           |                    |   |    |    |     |
| Mengutamakan pembelian produk atau jasa                     |                                                                                      |                    |   |    |    |     |
| 11                                                          | Penggunaan <i>E-wallet</i> diutamakan dibandingkan metode pembayaran lain.           |                    |   |    |    |     |
| 12                                                          | <i>E-wallet</i> menjadi pilihan utama dalam melakukan transaksi.                     |                    |   |    |    |     |

| NO | JK | U | PKJ | LAMA | FREKUEN |
|----|----|---|-----|------|---------|
| 1  | 1  | 1 | 1   | 1    | 1       |
| 2  | 1  | 2 | 1   | 1    | 1       |
| 3  | 1  | 2 | 1   | 1    | 1       |
| 4  | 1  | 2 | 1   | 1    | 1       |
| 5  | 2  | 1 | 1   | 1    | 1       |
| 6  | 2  | 2 | 1   | 1    | 1       |
| 7  | 2  | 2 | 1   | 2    | 1       |
| 8  | 2  | 2 | 1   | 2    | 1       |
| 9  | 2  | 2 | 1   | 2    | 1       |
| 10 | 2  | 2 | 1   | 2    | 1       |
| 11 | 1  | 2 | 1   | 2    | 2       |
| 12 | 2  | 2 | 1   | 2    | 1       |
| 13 | 1  | 2 | 1   | 2    | 2       |
| 14 | 2  | 2 | 1   | 2    | 2       |
| 15 | 2  | 2 | 1   | 2    | 2       |
| 16 | 2  | 2 | 1   | 2    | 2       |
| 17 | 2  | 2 | 2   | 2    | 2       |
| 18 | 2  | 2 | 2   | 2    | 2       |
| 19 | 2  | 2 | 1   | 2    | 1       |
| 20 | 2  | 2 | 1   | 3    | 1       |
| 21 | 2  | 2 | 1   | 3    | 1       |
| 22 | 2  | 2 | 1   | 3    | 1       |
| 23 | 2  | 2 | 1   | 2    | 1       |
| 24 | 2  | 2 | 1   | 2    | 1       |
| 25 | 2  | 2 | 1   | 2    | 1       |
| 26 | 2  | 2 | 1   | 2    | 1       |
| 27 | 2  | 2 | 1   | 2    | 1       |
| 28 | 1  | 2 | 1   | 2    | 1       |
| 29 | 1  | 2 | 2   | 2    | 2       |
| 30 | 1  | 2 | 4   | 2    | 2       |
| 31 | 1  | 2 | 4   | 2    | 1       |
| 32 | 1  | 2 | 4   | 2    | 2       |
| 33 | 1  | 3 | 4   | 2    | 2       |
| 34 | 1  | 2 | 4   | 2    | 2       |
| 35 | 1  | 2 | 4   | 2    | 2       |
| 36 | 2  | 2 | 4   | 2    | 2       |
| 37 | 1  | 2 | 4   | 2    | 2       |
| 38 | 2  | 2 | 4   | 2    | 2       |
| 39 | 1  | 2 | 4   | 2    | 1       |
| 40 | 2  | 2 | 4   | 2    | 1       |
| 41 | 2  | 2 | 4   | 2    | 1       |
| 42 | 2  | 1 | 4   | 2    | 1       |
| 43 | 2  | 1 | 4   | 2    | 1       |

| NO | JK | U | PKJ | LAMA | FREKUEN |
|----|----|---|-----|------|---------|
| 44 | 2  | 1 | 1   | 2    | 1       |
| 45 | 1  | 2 | 1   | 2    | 2       |
| 46 | 1  | 2 | 1   | 2    | 2       |
| 47 | 1  | 2 | 1   | 2    | 2       |
| 48 | 1  | 2 | 1   | 2    | 2       |
| 49 | 1  | 2 | 1   | 2    | 2       |
| 50 | 1  | 2 | 1   | 2    | 2       |
| 51 | 1  | 2 | 1   | 2    | 1       |
| 52 | 2  | 2 | 1   | 2    | 2       |
| 53 | 2  | 2 | 1   | 2    | 1       |
| 54 | 2  | 2 | 1   | 2    | 2       |
| 55 | 2  | 2 | 4   | 2    | 2       |
| 56 | 2  | 2 | 4   | 2    | 2       |
| 57 | 1  | 2 | 4   | 2    | 2       |
| 58 | 2  | 2 | 4   | 2    | 2       |
| 59 | 1  | 2 | 4   | 2    | 2       |
| 60 | 2  | 2 | 4   | 2    | 2       |
| 61 | 2  | 2 | 1   | 2    | 2       |
| 62 | 2  | 2 | 4   | 2    | 2       |
| 63 | 2  | 2 | 4   | 2    | 2       |
| 64 | 2  | 2 | 4   | 2    | 1       |
| 65 | 2  | 3 | 3   | 1    | 2       |
| 66 | 2  | 3 | 2   | 1    | 2       |
| 67 | 2  | 2 | 1   | 1    | 1       |
| 68 | 2  | 2 | 1   | 2    | 1       |
| 69 | 2  | 2 | 1   | 2    | 1       |
| 70 | 2  | 2 | 1   | 2    | 1       |
| 71 | 2  | 2 | 1   | 2    | 1       |
| 72 | 2  | 2 | 1   | 2    | 2       |
| 73 | 2  | 2 | 1   | 2    | 2       |
| 74 | 2  | 2 | 1   | 2    | 2       |
| 75 | 2  | 2 | 1   | 2    | 2       |
| 76 | 2  | 2 | 1   | 2    | 2       |
| 77 | 1  | 2 | 2   | 2    | 2       |
| 78 | 2  | 2 | 1   | 2    | 2       |
| 79 | 1  | 2 | 1   | 2    | 2       |
| 80 | 2  | 2 | 1   | 2    | 1       |
| 81 | 2  | 2 | 1   | 2    | 1       |
| 82 | 2  | 2 | 1   | 2    | 1       |
| 83 | 2  | 2 | 1   | 2    | 1       |
| 84 | 2  | 2 | 1   | 2    | 1       |
| 85 | 2  | 2 | 1   | 2    | 1       |
| 86 | 1  | 2 | 1   | 2    | 1       |

| NO | JK | U | PKJ | LAMA | FREKUEN |
|----|----|---|-----|------|---------|
| 87 | 1  | 2 | 1   | 2    | 2       |
| 88 | 1  | 2 | 1   | 2    | 2       |
| 89 | 2  | 1 | 1   | 2    | 2       |
| 90 | 2  | 1 | 1   | 3    | 2       |
| 91 | 2  | 2 | 1   | 2    | 2       |
| 92 | 2  | 2 | 1   | 3    | 2       |
| 93 | 2  | 2 | 1   | 2    | 2       |
| 94 | 2  | 2 | 1   | 3    | 2       |

#### HASIL PENYEBARAN KUESIONER PERSEPSI RISIKO

| PR1 | PR2 | PR3 | PR4 | PR5 | PR6 | PR7 | PR8 | PR9 | PR10 | PR11 | PR12 | TPR |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|-----|
| 4   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3    | 3    | 3    | 37  |
| 3   | 2   | 3   | 2   | 2   | 3   | 2   | 2   | 2   | 3    | 2    | 3    | 29  |
| 4   | 5   | 3   | 3   | 3   | 3   | 3   | 4   | 4   | 3    | 5    | 3    | 43  |
| 4   | 4   | 4   | 4   | 4   | 3   | 5   | 5   | 4   | 4    | 4    | 4    | 49  |
| 4   | 4   | 4   | 5   | 4   | 3   | 3   | 3   | 4   | 5    | 4    | 4    | 47  |
| 4   | 4   | 4   | 5   | 5   | 4   | 4   | 4   | 4   | 5    | 4    | 4    | 51  |
| 4   | 4   | 4   | 5   | 4   | 4   | 5   | 5   | 5   | 4    | 4    | 4    | 52  |
| 3   | 4   | 4   | 3   | 4   | 3   | 4   | 4   | 4   | 4    | 4    | 4    | 45  |
| 1   | 2   | 2   | 3   | 2   | 2   | 2   | 3   | 2   | 2    | 2    | 2    | 25  |
| 3   | 3   | 2   | 3   | 3   | 2   | 3   | 2   | 3   | 2    | 3    | 2    | 31  |
| 2   | 3   | 3   | 2   | 2   | 3   | 2   | 1   | 3   | 2    | 3    | 3    | 29  |
| 3   | 3   | 3   | 3   | 3   | 4   | 3   | 3   | 4   | 3    | 3    | 3    | 38  |
| 2   | 3   | 3   | 3   | 3   | 3   | 2   | 4   | 3   | 4    | 3    | 3    | 36  |
| 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3    | 3    | 3    | 36  |
| 3   | 4   | 3   | 2   | 3   | 3   | 3   | 3   | 3   | 2    | 4    | 3    | 36  |
| 3   | 2   | 2   | 4   | 4   | 3   | 3   | 3   | 3   | 3    | 2    | 2    | 34  |
| 4   | 3   | 3   | 3   | 3   | 2   | 3   | 3   | 2   | 3    | 3    | 3    | 35  |
| 3   | 3   | 2   | 3   | 3   | 3   | 2   | 2   | 3   | 2    | 3    | 2    | 31  |
| 4   | 3   | 4   | 3   | 4   | 3   | 4   | 3   | 4   | 3    | 3    | 4    | 42  |
| 2   | 2   | 2   | 3   | 3   | 2   | 3   | 4   | 3   | 3    | 2    | 2    | 31  |
| 3   | 3   | 3   | 2   | 3   | 2   | 3   | 3   | 2   | 4    | 3    | 3    | 34  |
| 3   | 3   | 4   | 4   | 5   | 4   | 4   | 4   | 4   | 4    | 3    | 4    | 46  |
| 3   | 2   | 3   | 3   | 2   | 3   | 3   | 3   | 2   | 2    | 2    | 3    | 31  |
| 5   | 5   | 5   | 5   | 5   | 3   | 5   | 4   | 5   | 4    | 5    | 5    | 56  |
| 4   | 5   | 4   | 4   | 4   | 5   | 4   | 4   | 5   | 4    | 5    | 4    | 52  |
| 3   | 3   | 4   | 4   | 3   | 3   | 3   | 4   | 4   | 4    | 3    | 4    | 42  |
| 3   | 3   | 2   | 2   | 2   | 2   | 3   | 2   | 3   | 2    | 3    | 2    | 29  |
| 3   | 2   | 4   | 4   | 4   | 2   | 4   | 3   | 4   | 3    | 2    | 4    | 39  |
| 3   | 2   | 3   | 4   | 3   | 3   | 3   | 3   | 3   | 3    | 2    | 3    | 35  |
| 5   | 3   | 4   | 4   | 4   | 4   | 4   | 3   | 4   | 3    | 3    | 4    | 45  |
| 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5    | 5    | 5    | 60  |
| 4   | 3   | 3   | 3   | 3   | 4   | 3   | 3   | 3   | 3    | 3    | 3    | 38  |
| 3   | 3   | 5   | 3   | 3   | 3   | 4   | 3   | 5   | 4    | 3    | 5    | 44  |
| 3   | 4   | 3   | 3   | 2   | 4   | 2   | 2   | 3   | 4    | 4    | 3    | 37  |

| PR1 | PR2 | PR3 | PR4 | PR5 | PR6 | PR7 | PR8 | PR9 | PR10 | PR11 | PR12 | TPR |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|-----|
| 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 2   | 3    | 3    | 3    | 35  |
| 3   | 4   | 3   | 3   | 4   | 5   | 4   | 3   | 3   | 4    | 4    | 3    | 43  |
| 3   | 3   | 4   | 3   | 3   | 3   | 3   | 4   | 3   | 4    | 3    | 4    | 40  |
| 4   | 4   | 4   | 5   | 4   | 4   | 4   | 4   | 4   | 4    | 4    | 4    | 49  |
| 3   | 3   | 3   | 4   | 3   | 3   | 3   | 4   | 3   | 4    | 3    | 3    | 39  |
| 2   | 3   | 2   | 4   | 2   | 3   | 3   | 3   | 3   | 3    | 3    | 2    | 33  |
| 4   | 3   | 4   | 5   | 3   | 3   | 4   | 5   | 3   | 4    | 3    | 4    | 45  |
| 5   | 4   | 5   | 5   | 4   | 4   | 4   | 4   | 4   | 4    | 4    | 5    | 52  |
| 3   | 3   | 4   | 3   | 4   | 4   | 2   | 4   | 4   | 3    | 3    | 4    | 41  |
| 3   | 2   | 2   | 2   | 3   | 2   | 3   | 2   | 2   | 2    | 2    | 2    | 27  |
| 3   | 3   | 3   | 4   | 4   | 3   | 2   | 3   | 4   | 3    | 3    | 3    | 38  |
| 4   | 3   | 3   | 3   | 3   | 3   | 4   | 4   | 3   | 3    | 3    | 3    | 39  |
| 2   | 3   | 3   | 2   | 3   | 4   | 3   | 4   | 3   | 3    | 3    | 3    | 36  |
| 4   | 3   | 3   | 4   | 3   | 4   | 3   | 3   | 4   | 3    | 3    | 3    | 40  |
| 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 3    | 4    | 4    | 47  |
| 2   | 2   | 2   | 2   | 3   | 3   | 3   | 3   | 3   | 2    | 2    | 2    | 29  |
| 3   | 4   | 3   | 4   | 4   | 4   | 4   | 4   | 4   | 4    | 4    | 3    | 45  |
| 3   | 3   | 3   | 4   | 4   | 4   | 4   | 4   | 4   | 3    | 3    | 3    | 42  |
| 2   | 4   | 3   | 3   | 3   | 2   | 4   | 4   | 3   | 2    | 4    | 3    | 37  |
| 4   | 4   | 3   | 4   | 4   | 4   | 4   | 4   | 5   | 4    | 4    | 3    | 47  |
| 3   | 3   | 3   | 3   | 3   | 4   | 3   | 3   | 4   | 3    | 3    | 3    | 38  |
| 3   | 4   | 3   | 4   | 4   | 3   | 5   | 3   | 4   | 4    | 4    | 3    | 44  |
| 4   | 4   | 3   | 3   | 4   | 3   | 4   | 3   | 3   | 3    | 4    | 3    | 41  |
| 2   | 2   | 3   | 2   | 2   | 3   | 3   | 3   | 3   | 2    | 2    | 3    | 30  |
| 2   | 4   | 3   | 3   | 4   | 3   | 3   | 4   | 3   | 4    | 4    | 3    | 40  |
| 3   | 3   | 4   | 3   | 3   | 3   | 3   | 2   | 2   | 2    | 3    | 4    | 35  |
| 5   | 3   | 3   | 3   | 4   | 4   | 4   | 3   | 3   | 4    | 3    | 3    | 42  |
| 3   | 3   | 3   | 3   | 3   | 3   | 3   | 2   | 3   | 2    | 3    | 3    | 34  |
| 3   | 3   | 4   | 3   | 3   | 4   | 3   | 4   | 3   | 2    | 3    | 4    | 39  |
| 5   | 4   | 5   | 5   | 4   | 4   | 4   | 4   | 4   | 4    | 4    | 5    | 52  |
| 4   | 4   | 3   | 4   | 4   | 3   | 3   | 3   | 3   | 4    | 4    | 3    | 42  |
| 4   | 4   | 4   | 4   | 5   | 4   | 5   | 4   | 4   | 5    | 4    | 4    | 51  |
| 3   | 3   | 3   | 4   | 3   | 5   | 3   | 4   | 4   | 4    | 3    | 3    | 42  |
| 4   | 4   | 4   | 3   | 3   | 3   | 3   | 3   | 3   | 3    | 4    | 4    | 41  |
| 4   | 4   | 4   | 4   | 3   | 4   | 3   | 3   | 4   | 4    | 4    | 4    | 45  |
| 4   | 3   | 2   | 4   | 3   | 3   | 3   | 2   | 3   | 3    | 3    | 2    | 35  |
| 4   | 4   | 3   | 2   | 3   | 2   | 3   | 3   | 3   | 2    | 4    | 3    | 36  |
| 3   | 2   | 2   | 1   | 3   | 4   | 4   | 3   | 2   | 3    | 2    | 2    | 31  |
| 3   | 4   | 4   | 4   | 3   | 3   | 3   | 3   | 3   | 4    | 4    | 4    | 42  |
| 3   | 2   | 4   | 3   | 3   | 3   | 2   | 3   | 3   | 3    | 2    | 4    | 35  |
| 3   | 4   | 3   | 3   | 4   | 3   | 4   | 3   | 4   | 3    | 4    | 3    | 41  |
| 2   | 4   | 3   | 3   | 3   | 4   | 3   | 3   | 3   | 4    | 4    | 3    | 39  |
| 4   | 4   | 4   | 4   | 4   | 3   | 4   | 5   | 3   | 4    | 4    | 4    | 47  |
| 3   | 4   | 3   | 2   | 3   | 3   | 2   | 2   | 2   | 2    | 4    | 3    | 33  |
| 3   | 4   | 3   | 3   | 3   | 2   | 3   | 3   | 3   | 5    | 4    | 3    | 39  |
| 3   | 3   | 3   | 4   | 3   | 3   | 4   | 3   | 4   | 4    | 3    | 3    | 40  |
| 4   | 5   | 4   | 5   | 5   | 4   | 4   | 5   | 4   | 4    | 5    | 4    | 53  |
| 3   | 4   | 5   | 3   | 3   | 4   | 3   | 4   | 3   | 4    | 4    | 5    | 45  |
| 3   | 4   | 4   | 5   | 4   | 4   | 4   | 3   | 4   | 3    | 4    | 4    | 46  |
| 3   | 4   | 2   | 4   | 4   | 3   | 2   | 3   | 4   | 3    | 4    | 2    | 38  |

| PR1 | PR2 | PR3 | PR4 | PR5 | PR6 | PR7 | PR8 | PR9 | PR10 | PR11 | PR12 | TPR  |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|
| 3   | 4   | 4   | 4   | 4   | 4   | 4   | 3   | 5   | 4    | 4    | 4    | 47   |
| 4   | 5   | 4   | 4   | 4   | 4   | 3   | 4   | 3   | 4    | 5    | 4    | 48   |
| 3   | 4   | 4   | 3   | 4   | 3   | 4   | 3   | 4   | 5    | 4    | 4    | 45   |
| 4   | 4   | 4   | 4   | 4   | 4   | 4   | 5   | 4   | 4    | 4    | 4    | 49   |
| 3   | 4   | 3   | 3   | 4   | 3   | 2   | 4   | 3   | 3    | 4    | 3    | 39   |
| 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 5    | 4    | 4    | 49   |
| 4   | 5   | 5   | 5   | 5   | 4   | 5   | 5   | 5   | 4    | 5    | 5    | 57   |
| 2   | 2   | 3   | 4   | 3   | 3   | 3   | 3   | 2   | 3    | 2    | 3    | 33   |
| 4   | 3   | 3   | 4   | 2   | 3   | 3   | 2   | 3   | 4    | 3    | 3    | 37   |
| 4   | 5   | 5   | 5   | 5   | 5   | 4   | 3   | 4   | 4    | 5    | 5    | 54   |
| 312 | 322 | 317 | 327 | 323 | 313 | 316 | 315 | 321 | 318  | 322  | 317  | 3823 |

#### HASIL PENYEBARAN KUESIONER PERSEPSI MANFAAT

| PM 1 | PM 2 | PM 3 | PM 4 | PM 5 | PM 6 | PM 7 | PM 8 | PM 9 | PM1 0 | PM1 1 | PM1 2 | TP M |
|------|------|------|------|------|------|------|------|------|-------|-------|-------|------|
| 3    | 5    | 5    | 3    | 4    | 4    | 5    | 5    | 5    | 5     | 5     | 2     | 51   |
| 3    | 5    | 5    | 4    | 4    | 5    | 5    | 5    | 5    | 4     | 2     | 5     | 52   |
| 4    | 2    | 4    | 4    | 3    | 5    | 4    | 4    | 2    | 4     | 3     | 3     | 42   |
| 3    | 3    | 5    | 3    | 3    | 5    | 5    | 3    | 5    | 3     | 2     | 5     | 45   |
| 4    | 5    | 5    | 3    | 3    | 4    | 5    | 5    | 5    | 3     | 5     | 5     | 52   |
| 3    | 5    | 3    | 3    | 3    | 4    | 3    | 5    | 3    | 3     | 5     | 5     | 45   |
| 3    | 5    | 3    | 3    | 4    | 4    | 3    | 5    | 3    | 3     | 3     | 5     | 44   |
| 3    | 5    | 3    | 3    | 4    | 4    | 3    | 5    | 3    | 3     | 3     | 5     | 44   |
| 3    | 5    | 5    | 3    | 4    | 4    | 5    | 5    | 5    | 3     | 4     | 3     | 49   |
| 3    | 4    | 4    | 3    | 4    | 4    | 4    | 4    | 4    | 3     | 3     | 3     | 43   |
| 3    | 5    | 4    | 3    | 3    | 4    | 4    | 5    | 4    | 3     | 3     | 3     | 44   |
| 3    | 5    | 5    | 3    | 3    | 5    | 5    | 5    | 5    | 3     | 5     | 2     | 49   |
| 3    | 4    | 5    | 3    | 3    | 5    | 5    | 4    | 5    | 3     | 5     | 3     | 48   |
| 4    | 5    | 5    | 4    | 3    | 4    | 5    | 5    | 5    | 4     | 2     | 2     | 48   |
| 3    | 4    | 4    | 4    | 3    | 5    | 4    | 4    | 4    | 4     | 4     | 4     | 47   |
| 4    | 4    | 3    | 4    | 4    | 4    | 3    | 4    | 3    | 4     | 3     | 4     | 44   |
| 3    | 5    | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 4     | 2     | 5     | 47   |
| 3    | 4    | 4    | 4    | 3    | 4    | 4    | 4    | 4    | 4     | 3     | 4     | 45   |
| 4    | 5    | 4    | 5    | 3    | 5    | 4    | 5    | 4    | 5     | 2     | 3     | 49   |
| 4    | 5    | 5    | 4    | 4    | 5    | 5    | 5    | 5    | 4     | 3     | 3     | 52   |
| 4    | 5    | 5    | 5    | 4    | 4    | 5    | 5    | 5    | 5     | 2     | 5     | 54   |
| 4    | 5    | 5    | 5    | 4    | 5    | 5    | 5    | 5    | 5     | 2     | 5     | 55   |
| 3    | 4    | 4    | 5    | 3    | 5    | 4    | 4    | 5    | 5     | 3     | 2     | 47   |
| 4    | 4    | 5    | 5    | 4    | 5    | 5    | 4    | 5    | 5     | 5     | 3     | 54   |
| 3    | 4    | 3    | 5    | 4    | 4    | 3    | 4    | 3    | 5     | 3     | 2     | 43   |
| 4    | 5    | 3    | 4    | 4    | 5    | 3    | 5    | 3    | 5     | 4     | 4     | 49   |
| 4    | 5    | 3    | 4    | 4    | 5    | 3    | 5    | 3    | 4     | 3     | 5     | 48   |
| 4    | 4    | 5    | 4    | 3    | 5    | 5    | 5    | 5    | 5     | 5     | 2     | 52   |
| 3    | 4    | 4    | 5    | 4    | 4    | 4    | 5    | 4    | 5     | 4     | 2     | 48   |
| 4    | 4    | 3    | 4    | 3    | 5    | 3    | 5    | 3    | 5     | 5     | 3     | 47   |
| 3    | 4    | 4    | 5    | 3    | 5    | 4    | 5    | 4    | 5     | 2     | 5     | 49   |
| 3    | 4    | 5    | 4    | 4    | 5    | 5    | 5    | 5    | 5     | 5     | 4     | 54   |
| 3    | 5    | 4    | 3    | 3    | 4    | 4    | 5    | 4    | 3     | 3     | 4     | 45   |
| 4    | 4    | 4    | 3    | 3    | 5    | 4    | 5    | 4    | 3     | 5     | 2     | 46   |

| PM<br>1 | PM<br>2 | PM<br>3 | PM<br>4 | PM<br>5 | PM<br>6 | PM<br>7 | PM<br>8 | PM<br>9 | PM1<br>0 | PM1<br>1 | PM1<br>2 | TP<br>M |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|---------|
| 4       | 5       | 4       | 5       | 4       | 5       | 4       | 5       | 4       | 5        | 4        | 4        | 53      |
| 4       | 5       | 4       | 4       | 3       | 5       | 4       | 5       | 4       | 4        | 4        | 3        | 49      |
| 4       | 5       | 5       | 3       | 3       | 5       | 5       | 5       | 5       | 3        | 4        | 3        | 50      |
| 3       | 5       | 5       | 5       | 4       | 4       | 5       | 4       | 5       | 5        | 5        | 5        | 55      |
| 4       | 4       | 4       | 4       | 3       | 5       | 4       | 4       | 5       | 5        | 5        | 4        | 51      |
| 4       | 4       | 5       | 4       | 3       | 4       | 5       | 4       | 5       | 5        | 5        | 5        | 53      |
| 4       | 4       | 3       | 3       | 3       | 5       | 3       | 4       | 3       | 3        | 5        | 3        | 43      |
| 4       | 4       | 5       | 4       | 4       | 4       | 5       | 4       | 4       | 5        | 2        | 2        | 47      |
| 3       | 5       | 3       | 4       | 3       | 5       | 3       | 5       | 3       | 5        | 2        | 2        | 43      |
| 4       | 4       | 4       | 3       | 4       | 5       | 4       | 5       | 5       | 3        | 5        | 5        | 51      |
| 4       | 5       | 5       | 4       | 5       | 4       | 5       | 5       | 5       | 5        | 4        | 4        | 55      |
| 3       | 4       | 5       | 3       | 5       | 5       | 5       | 5       | 5       | 3        | 4        | 3        | 50      |
| 3       | 5       | 4       | 3       | 3       | 4       | 4       | 5       | 4       | 3        | 4        | 5        | 47      |
| 4       | 4       | 3       | 4       | 4       | 5       | 3       | 4       | 3       | 4        | 5        | 2        | 45      |
| 3       | 4       | 3       | 5       | 4       | 5       | 3       | 5       | 3       | 5        | 3        | 4        | 47      |
| 3       | 4       | 3       | 5       | 3       | 5       | 3       | 5       | 3       | 5        | 4        | 4        | 47      |
| 3       | 4       | 3       | 3       | 3       | 5       | 3       | 5       | 3       | 3        | 2        | 5        | 42      |
| 3       | 3       | 4       | 4       | 4       | 4       | 4       | 3       | 4       | 5        | 4        | 5        | 47      |
| 3       | 4       | 4       | 4       | 3       | 5       | 4       | 4       | 4       | 5        | 4        | 4        | 48      |
| 4       | 5       | 5       | 4       | 4       | 5       | 5       | 5       | 5       | 3        | 3        | 5        | 53      |
| 4       | 5       | 5       | 5       | 3       | 4       | 5       | 5       | 5       | 4        | 5        | 2        | 52      |
| 4       | 5       | 5       | 5       | 4       | 5       | 5       | 4       | 5       | 4        | 5        | 5        | 56      |
| 3       | 4       | 4       | 5       | 3       | 5       | 4       | 5       | 4       | 4        | 3        | 3        | 47      |
| 4       | 4       | 5       | 5       | 4       | 5       | 5       | 5       | 4       | 3        | 3        | 2        | 49      |
| 3       | 4       | 3       | 5       | 4       | 4       | 3       | 5       | 4       | 3        | 4        | 3        | 45      |
| 4       | 5       | 3       | 4       | 4       | 5       | 3       | 5       | 4       | 3        | 5        | 2        | 47      |
| 4       | 5       | 3       | 4       | 4       | 5       | 3       | 5       | 5       | 3        | 4        | 4        | 49      |
| 4       | 4       | 5       | 4       | 3       | 5       | 5       | 5       | 5       | 3        | 4        | 2        | 49      |
| 3       | 4       | 4       | 5       | 4       | 4       | 4       | 5       | 5       | 3        | 3        | 2        | 46      |
| 4       | 4       | 3       | 4       | 3       | 5       | 3       | 4       | 5       | 3        | 3        | 2        | 43      |
| 3       | 4       | 4       | 5       | 3       | 5       | 4       | 4       | 5       | 3        | 2        | 2        | 44      |
| 3       | 4       | 5       | 4       | 4       | 5       | 5       | 4       | 5       | 3        | 2        | 4        | 48      |
| 3       | 5       | 4       | 3       | 3       | 4       | 4       | 5       | 5       | 5        | 2        | 3        | 46      |
| 4       | 4       | 4       | 3       | 3       | 5       | 4       | 4       | 4       | 4        | 2        | 5        | 46      |
| 4       | 5       | 4       | 5       | 4       | 5       | 4       | 5       | 3       | 4        | 3        | 3        | 49      |
| 4       | 5       | 4       | 4       | 3       | 5       | 4       | 5       | 4       | 4        | 5        | 4        | 51      |
| 4       | 5       | 5       | 3       | 3       | 5       | 5       | 5       | 4       | 4        | 2        | 5        | 50      |
| 3       | 5       | 5       | 5       | 4       | 4       | 5       | 5       | 4       | 5        | 5        | 4        | 54      |
| 4       | 4       | 4       | 4       | 3       | 5       | 4       | 5       | 5       | 4        | 2        | 4        | 48      |
| 4       | 4       | 5       | 4       | 3       | 4       | 5       | 5       | 5       | 5        | 4        | 5        | 53      |
| 4       | 4       | 3       | 3       | 3       | 5       | 3       | 5       | 5       | 5        | 3        | 4        | 47      |
| 4       | 4       | 5       | 4       | 4       | 4       | 5       | 4       | 5       | 5        | 3        | 3        | 50      |
| 3       | 5       | 3       | 4       | 3       | 5       | 3       | 4       | 5       | 5        | 4        | 2        | 46      |
| 4       | 4       | 4       | 3       | 4       | 5       | 4       | 4       | 3       | 5        | 2        | 2        | 44      |
| 4       | 5       | 5       | 4       | 5       | 4       | 5       | 5       | 3       | 5        | 2        | 4        | 51      |
| 3       | 4       | 5       | 3       | 5       | 5       | 5       | 5       | 3       | 2        | 4        | 2        | 46      |
| 3       | 5       | 4       | 3       | 3       | 4       | 4       | 4       | 5       | 2        | 5        | 5        | 47      |
| 4       | 4       | 3       | 4       | 4       | 5       | 3       | 4       | 4       | 5        | 3        | 4        | 47      |
| 3       | 4       | 3       | 5       | 4       | 5       | 3       | 4       | 3       | 5        | 4        | 4        | 47      |

| PM<br>1 | PM<br>2 | PM<br>3 | PM<br>4 | PM<br>5 | PM<br>6 | PM<br>7 | PM<br>8 | PM<br>9 | PM1<br>0 | PM1<br>1 | PM1<br>2 | TP<br>M  |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|
| 3       | 4       | 3       | 5       | 3       | 5       | 3       | 4       | 5       | 5        | 5        | 5        | 50       |
| 3       | 4       | 3       | 3       | 3       | 5       | 3       | 4       | 5       | 5        | 2        | 3        | 43       |
| 3       | 3       | 4       | 4       | 4       | 4       | 4       | 5       | 4       | 4        | 2        | 4        | 45       |
| 3       | 4       | 4       | 4       | 3       | 5       | 4       | 4       | 5       | 4        | 2        | 2        | 44       |
| 3       | 5       | 3       | 3       | 3       | 5       | 3       | 5       | 5       | 5        | 4        | 3        | 47       |
| 3       | 5       | 3       | 3       | 4       | 5       | 3       | 5       | 5       | 4        | 2        | 2        | 44       |
| 3       | 5       | 3       | 3       | 4       | 5       | 3       | 5       | 4       | 5        | 5        | 3        | 48       |
| 3       | 5       | 5       | 3       | 4       | 5       | 5       | 5       | 4       | 4        | 3        | 3        | 49       |
| 3       | 4       | 4       | 3       | 4       | 5       | 4       | 4       | 4       | 5        | 5        | 3        | 48       |
| 3       | 5       | 4       | 3       | 3       | 5       | 4       | 4       | 5       | 5        | 4        | 2        | 47       |
| 3       | 5       | 5       | 3       | 3       | 4       | 5       | 4       | 3       | 3        | 2        | 3        | 43       |
| 325     | 415     | 383     | 365     | 333     | 437     | 383     | 432     | 398     | 383      | 330      | 328      | 451<br>2 |

#### HASIL PENYEBARAN KUESIONER KEPUTUSAN PENGGUNA

| KP1 | KP2 | KP3 | KP4 | KP5 | KP6 | KP7 | KP8 | KP9 | KP10 | KP11 | KP12 | TKP |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|-----|
| 4   | 5   | 2   | 4   | 4   | 5   | 2   | 2   | 4   | 3    | 4    | 5    | 44  |
| 4   | 4   | 4   | 4   | 5   | 2   | 5   | 5   | 5   | 4    | 4    | 2    | 48  |
| 3   | 2   | 3   | 5   | 5   | 3   | 3   | 3   | 5   | 5    | 5    | 3    | 45  |
| 2   | 2   | 5   | 3   | 3   | 2   | 5   | 2   | 2   | 4    | 3    | 2    | 35  |
| 4   | 4   | 3   | 5   | 5   | 5   | 5   | 4   | 3   | 3    | 5    | 5    | 51  |
| 4   | 3   | 4   | 5   | 4   | 5   | 5   | 2   | 4   | 2    | 5    | 5    | 48  |
| 4   | 4   | 2   | 2   | 4   | 3   | 5   | 2   | 5   | 3    | 2    | 3    | 39  |
| 3   | 3   | 2   | 3   | 2   | 3   | 5   | 5   | 4   | 5    | 3    | 3    | 41  |
| 4   | 5   | 2   | 5   | 4   | 4   | 3   | 2   | 5   | 3    | 5    | 4    | 46  |
| 5   | 5   | 3   | 3   | 3   | 3   | 3   | 5   | 3   | 2    | 3    | 3    | 41  |
| 4   | 3   | 3   | 5   | 3   | 3   | 3   | 5   | 3   | 4    | 5    | 3    | 44  |
| 5   | 4   | 5   | 3   | 4   | 5   | 2   | 3   | 5   | 2    | 3    | 5    | 46  |
| 5   | 2   | 3   | 4   | 2   | 5   | 3   | 2   | 5   | 5    | 4    | 5    | 45  |
| 5   | 2   | 2   | 2   | 4   | 2   | 2   | 2   | 4   | 2    | 2    | 2    | 31  |
| 5   | 2   | 5   | 5   | 5   | 4   | 4   | 4   | 2   | 5    | 5    | 4    | 50  |
| 4   | 4   | 2   | 4   | 2   | 3   | 4   | 3   | 2   | 5    | 4    | 3    | 40  |
| 4   | 2   | 5   | 5   | 3   | 2   | 5   | 4   | 4   | 3    | 5    | 2    | 44  |
| 5   | 2   | 4   | 5   | 5   | 3   | 4   | 4   | 2   | 4    | 5    | 3    | 46  |
| 2   | 4   | 3   | 4   | 2   | 2   | 3   | 4   | 4   | 3    | 4    | 2    | 37  |
| 4   | 4   | 2   | 4   | 4   | 3   | 3   | 5   | 2   | 4    | 4    | 3    | 42  |
| 4   | 5   | 4   | 2   | 5   | 2   | 5   | 5   | 3   | 2    | 2    | 2    | 41  |
| 4   | 4   | 2   | 4   | 4   | 2   | 5   | 2   | 5   | 4    | 4    | 2    | 42  |
| 4   | 4   | 3   | 5   | 3   | 3   | 2   | 3   | 2   | 2    | 5    | 3    | 39  |
| 3   | 5   | 5   | 5   | 5   | 5   | 3   | 3   | 4   | 5    | 5    | 5    | 53  |
| 3   | 4   | 5   | 2   | 4   | 3   | 2   | 2   | 2   | 4    | 2    | 3    | 36  |
| 3   | 2   | 5   | 2   | 2   | 4   | 4   | 3   | 5   | 4    | 2    | 4    | 40  |
| 2   | 3   | 2   | 2   | 4   | 3   | 5   | 5   | 4   | 4    | 2    | 3    | 39  |
| 3   | 5   | 5   | 5   | 2   | 5   | 2   | 3   | 2   | 3    | 5    | 5    | 45  |
| 5   | 5   | 3   | 4   | 3   | 4   | 2   | 2   | 2   | 5    | 4    | 4    | 43  |
| 2   | 4   | 2   | 3   | 3   | 5   | 3   | 4   | 2   | 5    | 3    | 5    | 41  |
| 2   | 2   | 4   | 3   | 3   | 2   | 5   | 3   | 5   | 3    | 3    | 2    | 37  |
| 5   | 4   | 5   | 4   | 4   | 5   | 4   | 2   | 4   | 3    | 4    | 5    | 49  |
| 5   | 2   | 5   | 3   | 3   | 3   | 4   | 4   | 5   | 5    | 3    | 3    | 45  |

| KP1 | KP2 | KP3 | KP4 | KP5 | KP6 | KP7 | KP8 | KP9 | KP10 | KP11 | KP12 | TKP |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|-----|
| 2   | 2   | 5   | 4   | 3   | 5   | 2   | 4   | 5   | 5    | 4    | 5    | 46  |
| 4   | 5   | 4   | 3   | 4   | 4   | 4   | 5   | 5   | 4    | 3    | 4    | 49  |
| 5   | 2   | 2   | 5   | 5   | 4   | 3   | 5   | 2   | 4    | 5    | 4    | 46  |
| 5   | 2   | 2   | 3   | 4   | 4   | 3   | 3   | 4   | 4    | 3    | 4    | 41  |
| 5   | 5   | 3   | 5   | 2   | 5   | 5   | 2   | 3   | 2    | 5    | 5    | 47  |
| 5   | 3   | 5   | 2   | 2   | 5   | 4   | 4   | 2   | 2    | 2    | 5    | 41  |
| 4   | 4   | 5   | 5   | 4   | 5   | 5   | 3   | 5   | 2    | 5    | 5    | 52  |
| 5   | 5   | 4   | 2   | 5   | 5   | 3   | 5   | 5   | 3    | 2    | 5    | 49  |
| 4   | 5   | 3   | 2   | 4   | 2   | 2   | 3   | 5   | 3    | 2    | 2    | 37  |
| 3   | 3   | 3   | 4   | 5   | 2   | 2   | 5   | 2   | 5    | 4    | 2    | 40  |
| 2   | 3   | 2   | 5   | 5   | 5   | 5   | 5   | 4   | 4    | 5    | 5    | 50  |
| 2   | 5   | 2   | 5   | 5   | 4   | 4   | 3   | 4   | 3    | 5    | 4    | 46  |
| 3   | 3   | 3   | 3   | 2   | 4   | 3   | 5   | 4   | 4    | 3    | 4    | 41  |
| 3   | 2   | 3   | 2   | 5   | 4   | 5   | 2   | 2   | 5    | 2    | 4    | 39  |
| 2   | 5   | 4   | 5   | 4   | 5   | 2   | 5   | 2   | 5    | 5    | 5    | 49  |
| 5   | 3   | 2   | 3   | 2   | 3   | 4   | 5   | 2   | 2    | 3    | 3    | 37  |
| 5   | 2   | 2   | 3   | 2   | 4   | 4   | 5   | 2   | 5    | 3    | 4    | 41  |
| 4   | 2   | 2   | 5   | 4   | 2   | 5   | 4   | 5   | 3    | 5    | 2    | 43  |
| 2   | 3   | 4   | 3   | 3   | 4   | 5   | 3   | 5   | 3    | 3    | 4    | 42  |
| 5   | 4   | 3   | 4   | 3   | 4   | 4   | 3   | 3   | 3    | 4    | 4    | 44  |
| 2   | 5   | 2   | 2   | 4   | 3   | 5   | 4   | 2   | 3    | 2    | 3    | 37  |
| 4   | 3   | 4   | 3   | 2   | 5   | 2   | 5   | 3   | 4    | 3    | 5    | 43  |
| 2   | 5   | 2   | 5   | 2   | 5   | 5   | 3   | 5   | 3    | 5    | 5    | 47  |
| 5   | 4   | 4   | 4   | 5   | 3   | 3   | 5   | 4   | 4    | 4    | 3    | 48  |
| 3   | 4   | 2   | 3   | 4   | 3   | 2   | 3   | 3   | 3    | 3    | 3    | 36  |
| 3   | 2   | 5   | 3   | 3   | 4   | 3   | 4   | 5   | 2    | 3    | 4    | 41  |
| 2   | 5   | 2   | 5   | 5   | 5   | 2   | 4   | 5   | 3    | 5    | 5    | 48  |
| 2   | 5   | 5   | 3   | 4   | 4   | 4   | 5   | 5   | 5    | 3    | 4    | 49  |
| 2   | 3   | 5   | 3   | 3   | 4   | 2   | 5   | 4   | 4    | 3    | 4    | 42  |
| 5   | 3   | 4   | 3   | 2   | 3   | 2   | 3   | 4   | 4    | 3    | 3    | 39  |
| 2   | 5   | 2   | 2   | 3   | 3   | 2   | 4   | 3   | 5    | 2    | 3    | 36  |
| 3   | 3   | 5   | 2   | 5   | 2   | 2   | 2   | 5   | 2    | 2    | 2    | 35  |
| 4   | 5   | 4   | 2   | 3   | 2   | 4   | 4   | 5   | 3    | 2    | 2    | 40  |
| 5   | 4   | 2   | 3   | 2   | 2   | 3   | 5   | 2   | 4    | 3    | 2    | 37  |
| 2   | 3   | 3   | 3   | 5   | 2   | 5   | 5   | 3   | 3    | 3    | 2    | 39  |
| 5   | 2   | 4   | 5   | 2   | 3   | 3   | 2   | 4   | 3    | 5    | 3    | 41  |
| 3   | 3   | 2   | 5   | 3   | 5   | 4   | 3   | 3   | 4    | 5    | 5    | 45  |
| 3   | 5   | 2   | 5   | 2   | 2   | 5   | 5   | 5   | 5    | 5    | 2    | 46  |
| 4   | 3   | 2   | 5   | 5   | 5   | 4   | 5   | 5   | 5    | 5    | 5    | 53  |
| 3   | 4   | 5   | 2   | 2   | 2   | 4   | 4   | 2   | 5    | 2    | 2    | 37  |
| 4   | 2   | 2   | 5   | 3   | 4   | 5   | 2   | 2   | 5    | 5    | 4    | 43  |
| 4   | 3   | 3   | 2   | 4   | 3   | 4   | 4   | 2   | 3    | 2    | 3    | 37  |
| 5   | 2   | 3   | 3   | 3   | 3   | 3   | 4   | 2   | 4    | 3    | 3    | 38  |
| 5   | 3   | 2   | 3   | 2   | 4   | 2   | 5   | 5   | 2    | 3    | 4    | 40  |
| 2   | 2   | 2   | 5   | 3   | 2   | 2   | 5   | 5   | 4    | 5    | 2    | 39  |
| 2   | 4   | 5   | 5   | 3   | 2   | 4   | 5   | 5   | 4    | 5    | 2    | 46  |
| 3   | 5   | 2   | 5   | 2   | 4   | 2   | 4   | 2   | 4    | 5    | 4    | 42  |
| 2   | 3   | 2   | 2   | 3   | 5   | 5   | 2   | 3   | 2    | 2    | 5    | 36  |
| 4   | 4   | 2   | 5   | 5   | 3   | 4   | 4   | 5   | 4    | 5    | 3    | 48  |
| 4   | 5   | 3   | 4   | 4   | 4   | 4   | 3   | 4   | 5    | 4    | 4    | 48  |

| KP1 | KP2 | KP3 | KP4 | KP5 | KP6 | KP7 | KP8 | KP9 | KP10 | KP11 | KP12 | TKP  |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|
| 2   | 5   | 5   | 5   | 5   | 5   | 5   | 4   | 4   | 5    | 5    | 5    | 55   |
| 4   | 5   | 2   | 4   | 2   | 2   | 3   | 3   | 4   | 3    | 4    | 2    | 38   |
| 4   | 3   | 2   | 4   | 4   | 2   | 4   | 4   | 3   | 4    | 4    | 2    | 40   |
| 5   | 2   | 3   | 3   | 5   | 2   | 2   | 3   | 4   | 3    | 3    | 2    | 37   |
| 2   | 5   | 3   | 2   | 3   | 4   | 3   | 3   | 2   | 2    | 2    | 4    | 35   |
| 2   | 3   | 4   | 5   | 5   | 2   | 2   | 3   | 5   | 2    | 5    | 2    | 40   |
| 4   | 4   | 2   | 2   | 5   | 5   | 3   | 5   | 4   | 4    | 2    | 5    | 45   |
| 2   | 5   | 3   | 4   | 4   | 3   | 3   | 4   | 4   | 3    | 4    | 3    | 42   |
| 4   | 4   | 4   | 5   | 5   | 5   | 3   | 5   | 5   | 5    | 5    | 5    | 55   |
| 2   | 4   | 2   | 4   | 2   | 4   | 2   | 5   | 3   | 2    | 4    | 4    | 38   |
| 4   | 5   | 2   | 2   | 5   | 2   | 3   | 2   | 3   | 3    | 2    | 2    | 35   |
| 334 | 337 | 301 | 344 | 334 | 330 | 328 | 347 | 342 | 338  | 344  | 330  | 4009 |

**Tabel Nilai t**

| <b>d.f</b> | $t_{0.10}$ | $t_{0.05}$ | $t_{0.025}$ | $t_{0.01}$ | $t_{0.005}$ | <b>d.f</b> |
|------------|------------|------------|-------------|------------|-------------|------------|
| <b>79</b>  | 1,292      | 1,664      | 1,990       | 2,374      | 2,640       | <b>79</b>  |
| <b>80</b>  | 1,292      | 1,664      | 1,990       | 2,374      | 2,639       | <b>80</b>  |
| <b>81</b>  | 1,292      | 1,664      | 1,990       | 2,373      | 2,638       | <b>81</b>  |
| <b>82</b>  | 1,292      | 1,664      | 1,989       | 2,373      | 2,637       | <b>82</b>  |
| <b>83</b>  | 1,292      | 1,663      | 1,989       | 2,372      | 2,636       | <b>83</b>  |
| <b>84</b>  | 1,292      | 1,663      | 1,989       | 2,372      | 2,636       | <b>84</b>  |
| <b>85</b>  | 1,292      | 1,663      | 1,988       | 2,371      | 2,635       | <b>85</b>  |
| <b>86</b>  | 1,291      | 1,663      | 1,988       | 2,370      | 2,634       | <b>86</b>  |
| <b>87</b>  | 1,291      | 1,663      | 1,988       | 2,370      | 2,634       | <b>87</b>  |
| <b>88</b>  | 1,291      | 1,662      | 1,987       | 2,369      | 2,633       | <b>88</b>  |
| <b>89</b>  | 1,291      | 1,662      | 1,987       | 2,369      | 2,632       | <b>89</b>  |
| <b>90</b>  | 1,291      | 1,662      | 1,987       | 2,368      | 2,632       | <b>90</b>  |
| <b>91</b>  | 1,291      | 1,662      | 1,986       | 2,368      | 2,631       | <b>91</b>  |
| <b>92</b>  | 1,291      | 1,662      | 1,986       | 2,368      | 2,630       | <b>92</b>  |
| <b>93</b>  | 1,291      | 1,661      | 1,986       | 2,367      | 2,630       | <b>93</b>  |
| <b>94</b>  | 1,291      | 1,661      | 1,986       | 2,367      | 2,629       | <b>94</b>  |
| <b>95</b>  | 1,291      | 1,661      | 1,985       | 2,366      | 2,629       | <b>95</b>  |

**Titik Persentase Distribusi F untuk Probabilitas = 0,05**

| df untuk<br>penyebut<br>(N2) | df untuk pembilang (N1) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|------------------------------|-------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                              | 1                       | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   |
| <b>91</b>                    | 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 |
| <b>92</b>                    | 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 |
| <b>93</b>                    | 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 |
| <b>94</b>                    | 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 |
| <b>95</b>                    | 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 |
| <b>96</b>                    | 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 |
| <b>97</b>                    | 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 |
| <b>98</b>                    | 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 |
| <b>99</b>                    | 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 |
| <b>100</b>                   | 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 |
| <b>101</b>                   | 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 |
| <b>102</b>                   | 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 |
| <b>103</b>                   | 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 |
| <b>104</b>                   | 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 |
| <b>105</b>                   | 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 |
| <b>106</b>                   | 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 |
| <b>107</b>                   | 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 |
| <b>108</b>                   | 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 |
| <b>109</b>                   | 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 |
| <b>110</b>                   | 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 |
| <b>111</b>                   | 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 |
| <b>112</b>                   | 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 |
| <b>113</b>                   | 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 |
| <b>114</b>                   | 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 |

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