

LAMPIRAN 1

KUESIONER

KUESIONER PENELITIAN

PENGARUH KUALITAS LAYANAN UNTUK MENCIPTAKAN NILAI PELANGGAN (STUDI PADA PELANGGAN EDC PT. BANK MANDIRI, TBK AREA BANDUNG SURAPATI)

Dengan hormat,

Sehubungan dengan penyusunan Penelitian di Fakultas Ekonomi Universitas Sangga Buana YPKP, bersama ini saya :

Nama : Sinta Lestari

Program Studi : S1 Manajemen

Dalam hal ini ingin mengadakan penelitian mengenai “ Pengaruh Kualitas Layanan untuk Menciptakan Nilai Pelanggan (Studi pelanggan EDC) “

Saya selaku peneliti, mohon kesediaan dan partisipasi saudara untuk berkenan memilih jawaban ini dengan lengkap sesuai dengan ketentuan dan jujur mengenai pendapat dan penilaian saudara, tanpa dipengaruhi siapapun. Kuesioner ini dibuat semata-mata untuk keperluan ilmiah. Terimakasih atas kesediaan dan perhatiannya.

Hormat saya,

Sinta Lestari

PETUNJUK PENGISIAN

Pilihlah salah satu jawaban pilihan dari beberapa pilihan masing-masing nomor pertanyaan berikut ini. Beri tanda pada kotak yang tersedia di masing-masing pilihan. Kuesioner ini terdiri dari dua bagian yang dapat digunakan secara optimal bila seluruh pertanyaan terjawab, oleh karena itu mohon kesediaan saudara untuk menjawab seluruh pertanyaan.

IDENTITAS RESPONDEN

Jenis kelamin :

- Pria
- Wanita

Tempat tinggal :

- Kota Bandung
- Kab. Bandung Barat
- Cimahi
- Sumedang

Usia :

- Di bawah 17 tahun
- 17-22 tahun
- 22,1 sd 27 tahun
- 27,1 tahun – 32 tahun
- Di atas 32 tahun

Status :

- Karyawan Swasta
- Wirausaha
- Profesi
- Lainnya

Jenis usaha :

- Anchor
- Strategic
- Retail

Lama menjadi merchant :

- 3 bulan
- 6 bulan
- 8 bulan
- 1 tahun
- 1,5 tahun
- 2 tahun
- Di atas 2 tahun

PERTANYAAN INTI

KUALITAS PELAYANAN

Tangible

1. Bagaimana tingkat ketertarikan anda terhadap tampilan mesin EDC
 - Sangat tertarik
 - Tertarik
 - Cukup tertarik

- Tidak tertarik
- Sangat tidak tertarik
- 2. Bagaimana tingkat ketertarikan anda terhadap fitur mesin EDC
 - Sangat tertarik
 - Tertarik
 - Cukup tertarik
 - Tidak tertarik
 - Sangat tidak tertarik
- 3. Bagaimana tampilan seragam pegawai bank pada saat kunjungan
 - Sangat bagus
 - Bagus
 - Cukup bagus
 - Tidak bagus
 - Sangat tidak bagus
- 4. Bagaimana tingkat kerapihan pegawai pada saat maintance
 - Sangat rapih
 - Rapih
 - Cukup rapih
 - Tidak rapih
 - Sangat tidak rapih
- 5. Bagaimana tingkat kebersihan pegawai bank pada saat kunjungan
 - Sangat bersih
 - Bersih
 - Cukup bersih
 - Tidak bersih
 - Sangat tidak bersih

Reliability :

- 6. Bagaimana tingkat keandalan mesin pada saat bertransaksi
 - Sangat andal
 - Andal
 - Cukup andal
 - Tidak andal
 - Sangat tidak andal
- 7. Bagaimana tingkat ketepatan pegawai saat melayani
 - Sangat tepat
 - Tepat
 - Cukup tepat
 - Tidak tepat
 - Sangat tidak tepat
- 8. Bagaimana tingkat keandalan pegawai dalam melayani

- Sangat andal
 - Andal
 - Cukup andal
 - Tidak andal
 - Sangat tidak andal
9. Bagaimana tingkat keandalan pegawai dalam menyelesaikan masalah
- Sangat andal
 - Andal
 - Cukup andal
 - Tidak andal
 - Sangat tidak andal

Responsibility :

10. Bagaimana tingkat kecepatan mesin EDC saat digunakan transaksi
- Sangat cepat
 - Cepat
 - Cukup cepat
 - Tidak cepat
 - Sangat tidak cepat
11. Bagaimana tingkat kecepatan pegawai saat melayani
- Sangat cepat
 - Cepat
 - Cukup cepat
 - Tidak cepat
 - Sangat tidak cepat
12. Bagaimana tingkat kecepatan pegawai saat menyelesaikan masalah merchant
- Sangat cepat
 - Cepat
 - Cukup cepat
 - Tidak cepat
 - Sangat tidak cepat
13. Bagaimana tingkat kecepatan pengembalian dana saat terjadi kesalahan transaksi
- Sangat cepat
 - Cepat
 - Cukup cepat
 - Tidak cepat
 - Sangat tidak cepat

Assurance :

14. Bagaimana tingkat keamanan keuangan merchant saat terjadi kesalahan transaksi

- Sangat aman
 - Aman
 - Cukup aman
 - Tidak aman
 - Sangat tidak aman
15. Bagaimana tingkat keamanan keuangan merchant pada bank
- Sangat aman
 - Aman
 - Cukup aman
 - Tidak aman
 - Sangat tidak aman
16. Bagaimana tingkat kepercayaan anda terhadap penggunaan mesin EDC
- Sangat percaya
 - Percaya
 - Cukup percaya
 - Tidak percaya
 - Sangat tidak percaya
17. Bagaimana tingkat kepercayaan anda terhadap pegawai
- Sangat percaya
 - Percaya
 - Cukup percaya
 - Tidak percaya
 - Sangat tidak percaya

Empati :

18. Bagaimana sikap pegawai saat melakukan maintance
- Sangat sopan
 - Sopan
 - Cukup sopan
 - Tidak sopan
 - Sangat tidak sopan
19. Bagaimana keseringan pegawai berkomunikasi kepada merchant
- Sangat sering
 - Sering
 - Cukup sering
 - Tidak sering
 - Sangat tidak sering
20. Bagaimana keramahan pegawai dalam melayani
- Sangat ramah
 - Ramah
 - Cukup ramah

- Tidak ramah
- Sangat tidak ramah
- 21. Bagaimana kesabaran pegawai dalam melayani
 - Sangat sabar
 - Sabar
 - Cukup sabar
 - Tidak sabar
 - Sangat tidak sabar
- 22. Bagaimana ketelatenan pegawai dalam melayani
 - Sangat telaten
 - Telaten
 - Cukup telaten
 - Tidak telaten
 - Sangat tidak telaten

Nilai Pelanggan :

- 23. Bagaimana tingkat kebanggaan anda terhadap penggunaan mesin EDC
 - Sangat bangga
 - Bangga
 - Cukup bangga
 - Tidak bangga
 - Sangat tidak bangga
- 24. Bagaimana tingkat kepuasan anda terhadap penggunaan mesin EDC
 - Sangat puas
 - Puas
 - Cukup puas
 - Tidak puas
 - Sangat tidak puas
- 25. Bagaimana tingkat kepuasan anda terhadap layanan pegawai
 - Sangat puas
 - Puas
 - Cukup puas
 - Tidak puas
 - Sangat tidak puas
- 26. Bagaimana tingkat keinginan anda untuk terus menggunakan mesin EDC mandiri sebagai alat transaksi
 - Sangat ingin
 - Ingin
 - Cukup
 - Tidak ingin
 - Sangat tidak ingin

27. Bagaimana manfaat yang didapatkan oleh merchant

- Sangat bermanfaat
- Bermanfaat
- Cukup bermanfaat
- Tidak bermanfaat
- Sangat tidak bermanfaat

28. Bagaimana keuntungan yang didapat oleh merchant atas penggunaan mesin EDC

- Sangat menguntungkan
- Menguntungkan
- Cukup menguntungkan
- Tidak menguntungkan
- Sangat tidak menguntungkan

LAMPIRAN 2
DATA TABULASI

| Resp | Item Pernyataan | | | | | X1-Total |
|------|-----------------|------|------|------|------|----------|
| | X1.1 | X1.2 | X1.3 | X1.4 | X1.5 | |
| 1 | 3 | 2 | 2 | 2 | 3 | 12 |
| 2 | 3 | 4 | 3 | 3 | 4 | 17 |
| 3 | 3 | 2 | 3 | 4 | 3 | 15 |
| 4 | 3 | 3 | 4 | 4 | 3 | 17 |
| 5 | 4 | 2 | 3 | 2 | 3 | 14 |
| 6 | 3 | 4 | 3 | 3 | 3 | 16 |
| 7 | 3 | 2 | 1 | 2 | 2 | 10 |
| 8 | 2 | 3 | 4 | 3 | 4 | 16 |
| 9 | 2 | 3 | 4 | 4 | 3 | 16 |
| 10 | 3 | 3 | 4 | 3 | 3 | 16 |
| 11 | 4 | 4 | 4 | 3 | 3 | 18 |
| 12 | 3 | 4 | 4 | 3 | 4 | 18 |
| 13 | 4 | 3 | 4 | 2 | 2 | 15 |
| 14 | 4 | 3 | 4 | 2 | 2 | 15 |
| 15 | 4 | 5 | 4 | 4 | 4 | 21 |
| 16 | 4 | 4 | 3 | 4 | 3 | 18 |
| 17 | 4 | 3 | 4 | 4 | 3 | 18 |
| 18 | 4 | 3 | 4 | 2 | 4 | 17 |
| 19 | 5 | 4 | 3 | 4 | 3 | 19 |
| 20 | 2 | 1 | 4 | 1 | 3 | 11 |
| 21 | 1 | 4 | 4 | 3 | 4 | 16 |
| 22 | 3 | 4 | 3 | 2 | 3 | 15 |
| 23 | 4 | 3 | 4 | 3 | 3 | 17 |
| 24 | 4 | 4 | 3 | 5 | 4 | 20 |
| 25 | 3 | 3 | 2 | 4 | 2 | 14 |
| 26 | 3 | 4 | 4 | 2 | 3 | 16 |
| 27 | 4 | 4 | 4 | 3 | 2 | 17 |
| 28 | 3 | 4 | 4 | 5 | 3 | 19 |
| 29 | 3 | 4 | 3 | 2 | 2 | 14 |
| 30 | 4 | 4 | 3 | 4 | 3 | 18 |
| 31 | 5 | 4 | 3 | 4 | 4 | 20 |
| 32 | 3 | 3 | 1 | 2 | 3 | 12 |
| 33 | 3 | 3 | 3 | 3 | 3 | 15 |
| 34 | 2 | 4 | 4 | 3 | 3 | 16 |

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|----|---|---|---|---|---|----|
| 35 | 2 | 4 | 2 | 4 | 4 | 16 |
| 36 | 3 | 4 | 2 | 3 | 4 | 16 |
| 37 | 4 | 4 | 4 | 5 | 4 | 21 |
| 38 | 4 | 4 | 3 | 4 | 3 | 18 |
| 39 | 4 | 3 | 3 | 4 | 3 | 17 |
| 40 | 5 | 4 | 5 | 4 | 3 | 21 |
| 41 | 3 | 4 | 3 | 4 | 3 | 17 |
| 42 | 4 | 3 | 3 | 5 | 4 | 19 |
| 43 | 3 | 3 | 4 | 4 | 3 | 17 |
| 44 | 4 | 4 | 3 | 3 | 4 | 18 |
| 45 | 3 | 3 | 2 | 4 | 3 | 15 |
| 46 | 3 | 3 | 2 | 2 | 2 | 12 |
| 47 | 4 | 4 | 2 | 2 | 3 | 15 |
| 48 | 5 | 3 | 2 | 3 | 4 | 17 |
| 49 | 4 | 3 | 4 | 2 | 2 | 15 |
| 50 | 4 | 3 | 4 | 2 | 2 | 15 |
| 51 | 4 | 5 | 4 | 4 | 4 | 21 |
| 52 | 4 | 4 | 3 | 4 | 3 | 18 |
| 53 | 4 | 3 | 4 | 4 | 3 | 18 |
| 54 | 4 | 3 | 4 | 2 | 4 | 17 |
| 55 | 5 | 4 | 3 | 4 | 3 | 19 |
| 56 | 2 | 1 | 4 | 1 | 3 | 11 |
| 57 | 1 | 4 | 4 | 3 | 4 | 16 |
| 58 | 3 | 4 | 3 | 2 | 3 | 15 |
| 59 | 4 | 3 | 4 | 3 | 3 | 17 |
| 60 | 4 | 4 | 3 | 5 | 4 | 20 |
| 61 | 3 | 3 | 2 | 4 | 2 | 14 |
| 62 | 3 | 4 | 4 | 2 | 3 | 16 |
| 63 | 4 | 4 | 4 | 3 | 2 | 17 |
| 64 | 3 | 4 | 4 | 5 | 3 | 19 |
| 65 | 3 | 4 | 3 | 2 | 2 | 14 |
| 66 | 2 | 3 | 4 | 3 | 4 | 16 |
| 67 | 3 | 4 | 3 | 3 | 4 | 17 |
| 68 | 4 | 3 | 3 | 2 | 3 | 15 |
| 69 | 2 | 3 | 3 | 4 | 3 | 15 |
| 70 | 2 | 3 | 4 | 2 | 3 | 14 |
| 71 | 3 | 3 | 4 | 2 | 3 | 15 |
| 72 | 2 | 2 | 1 | 3 | 3 | 11 |

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|-----|---|---|---|---|---|----|
| 73 | 3 | 4 | 3 | 4 | 3 | 17 |
| 74 | 4 | 3 | 2 | 3 | 3 | 15 |
| 75 | 3 | 3 | 4 | 3 | 2 | 15 |
| 76 | 3 | 3 | 4 | 3 | 3 | 16 |
| 77 | 3 | 4 | 5 | 3 | 4 | 19 |
| 78 | 2 | 2 | 2 | 2 | 3 | 11 |
| 79 | 2 | 2 | 2 | 1 | 3 | 10 |
| 80 | 4 | 4 | 3 | 4 | 5 | 20 |
| 81 | 4 | 3 | 4 | 3 | 3 | 17 |
| 82 | 4 | 3 | 3 | 3 | 3 | 16 |
| 83 | 2 | 4 | 5 | 4 | 4 | 19 |
| 84 | 4 | 3 | 4 | 3 | 4 | 18 |
| 85 | 2 | 3 | 2 | 4 | 4 | 15 |
| 86 | 3 | 4 | 3 | 3 | 3 | 16 |
| 87 | 2 | 3 | 3 | 3 | 2 | 13 |
| 88 | 3 | 3 | 3 | 4 | 3 | 16 |
| 89 | 5 | 4 | 2 | 3 | 3 | 17 |
| 90 | 4 | 2 | 3 | 2 | 5 | 16 |
| 91 | 2 | 3 | 4 | 3 | 3 | 15 |
| 92 | 3 | 2 | 3 | 3 | 3 | 14 |
| 93 | 5 | 3 | 4 | 3 | 4 | 19 |
| 94 | 2 | 2 | 5 | 4 | 2 | 15 |
| 95 | 4 | 3 | 3 | 4 | 4 | 18 |
| 96 | 4 | 4 | 3 | 3 | 3 | 17 |
| 97 | 2 | 3 | 3 | 2 | 2 | 12 |
| 98 | 3 | 3 | 4 | 4 | 2 | 16 |
| 99 | 3 | 3 | 3 | 1 | 4 | 14 |
| 100 | 4 | 4 | 3 | 3 | 3 | 17 |
| 101 | 3 | 4 | 3 | 3 | 4 | 17 |
| 102 | 5 | 4 | 3 | 4 | 3 | 19 |
| 103 | 4 | 3 | 4 | 4 | 2 | 17 |
| 104 | 4 | 3 | 4 | 3 | 2 | 16 |
| 105 | 4 | 3 | 3 | 4 | 5 | 19 |
| 106 | 4 | 3 | 4 | 3 | 3 | 17 |
| 107 | 5 | 4 | 3 | 3 | 4 | 19 |
| 108 | 4 | 3 | 3 | 1 | 3 | 14 |
| 109 | 3 | 4 | 3 | 3 | 3 | 16 |
| 110 | 4 | 3 | 4 | 1 | 2 | 14 |

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|----------------|------------------------|-------------|-------------|-------------|-----------------|-------|
| 111 | 2 | 2 | 3 | 2 | 3 | 12 |
| 112 | 2 | 3 | 4 | 3 | 3 | 15 |
| 113 | 3 | 4 | 4 | 3 | 3 | 17 |
| 114 | 2 | 2 | 2 | 2 | 3 | 11 |
| 115 | 2 | 2 | 5 | 1 | 3 | 13 |
| 116 | 4 | 4 | 3 | 4 | 5 | 20 |
| 117 | 4 | 3 | 4 | 3 | 3 | 17 |
| 118 | 4 | 3 | 4 | 3 | 3 | 17 |
| 119 | 2 | 4 | 5 | 4 | 4 | 19 |
| 120 | 4 | 3 | 4 | 3 | 4 | 18 |
| 121 | 1 | 3 | 2 | 4 | 4 | 14 |
| 122 | 3 | 4 | 3 | 3 | 3 | 16 |
| 123 | 2 | 3 | 3 | 3 | 2 | 13 |
| 124 | 3 | 3 | 3 | 4 | 3 | 16 |
| 125 | 5 | 4 | 3 | 3 | 3 | 18 |
| 126 | 4 | 2 | 3 | 2 | 3 | 14 |
| 127 | 5 | 3 | 4 | 3 | 3 | 18 |
| 128 | 3 | 2 | 3 | 3 | 3 | 14 |
| 129 | 5 | 3 | 4 | 3 | 4 | 19 |
| 130 | 2 | 2 | 5 | 4 | 2 | 15 |
| 131 | 3 | 4 | 4 | 3 | 3 | 17 |
| 132 | 5 | 2 | 2 | 2 | 3 | 14 |
| 133 | 4 | 2 | 2 | 1 | 3 | 12 |
| Jumlah | 443 | 433 | 442 | 406 | 418 | 2.142 |
| Rhitung | 0,536 | 0,693 | 0,422 | 0,680 | 0,492 | |
| R Tabel | 0,17 | 0,17 | 0,17 | 0,17 | 0,17 | |
| Resp | Item Pernyataan | | | | X2-Total | |
| | X2.1 | X2.2 | X2.3 | X2.4 | | |
| 1 | 3 | 2 | 2 | 2 | 9 | |
| 2 | 3 | 4 | 3 | 3 | 13 | |
| 3 | 3 | 2 | 3 | 4 | 12 | |
| 4 | 3 | 3 | 4 | 4 | 14 | |
| 5 | 4 | 2 | 3 | 2 | 11 | |
| 6 | 3 | 4 | 3 | 3 | 13 | |
| 7 | 3 | 2 | 1 | 2 | 8 | |
| 8 | 2 | 3 | 4 | 3 | 12 | |
| 9 | 2 | 3 | 4 | 4 | 13 | |
| 10 | 3 | 3 | 4 | 3 | 13 | |

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| 11 | 4 | 4 | 4 | 3 | 15 |
| 12 | 3 | 4 | 4 | 3 | 14 |
| 13 | 4 | 3 | 4 | 2 | 13 |
| 14 | 4 | 3 | 4 | 2 | 13 |
| 15 | 4 | 5 | 4 | 4 | 17 |
| 16 | 4 | 4 | 3 | 4 | 15 |
| 17 | 4 | 3 | 4 | 4 | 15 |
| 18 | 4 | 3 | 4 | 2 | 13 |
| 19 | 5 | 4 | 3 | 4 | 16 |
| 20 | 2 | 1 | 4 | 1 | 8 |
| 21 | 1 | 4 | 4 | 3 | 12 |
| 22 | 3 | 4 | 3 | 2 | 12 |
| 23 | 4 | 3 | 4 | 3 | 14 |
| 24 | 4 | 4 | 3 | 5 | 16 |
| 25 | 3 | 3 | 2 | 4 | 12 |
| 26 | 3 | 4 | 4 | 2 | 13 |
| 27 | 4 | 4 | 4 | 3 | 15 |
| 28 | 3 | 4 | 4 | 5 | 16 |
| 29 | 3 | 4 | 3 | 2 | 12 |
| 30 | 4 | 4 | 3 | 4 | 15 |
| 31 | 5 | 4 | 3 | 4 | 16 |
| 32 | 3 | 3 | 1 | 2 | 9 |
| 33 | 3 | 3 | 3 | 3 | 12 |
| 34 | 2 | 4 | 4 | 3 | 13 |
| 35 | 2 | 4 | 2 | 4 | 12 |
| 36 | 3 | 4 | 2 | 3 | 12 |
| 37 | 4 | 4 | 4 | 5 | 17 |
| 38 | 4 | 4 | 3 | 4 | 15 |
| 39 | 4 | 3 | 3 | 4 | 14 |
| 40 | 5 | 4 | 5 | 4 | 18 |
| 41 | 3 | 4 | 3 | 4 | 14 |
| 42 | 4 | 3 | 3 | 5 | 15 |
| 43 | 3 | 3 | 4 | 4 | 14 |
| 44 | 4 | 4 | 3 | 3 | 14 |
| 45 | 3 | 3 | 2 | 4 | 12 |
| 46 | 3 | 3 | 2 | 2 | 10 |
| 47 | 4 | 4 | 2 | 2 | 12 |
| 48 | 5 | 3 | 2 | 3 | 13 |

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|----|---|---|---|---|----|
| 49 | 4 | 3 | 4 | 2 | 13 |
| 50 | 4 | 3 | 4 | 2 | 13 |
| 51 | 4 | 5 | 4 | 4 | 17 |
| 52 | 4 | 4 | 3 | 4 | 15 |
| 53 | 4 | 3 | 4 | 4 | 15 |
| 54 | 4 | 3 | 4 | 2 | 13 |
| 55 | 5 | 4 | 3 | 4 | 16 |
| 56 | 2 | 1 | 4 | 1 | 8 |
| 57 | 1 | 4 | 4 | 3 | 12 |
| 58 | 3 | 4 | 3 | 2 | 12 |
| 59 | 4 | 3 | 4 | 3 | 14 |
| 60 | 4 | 4 | 3 | 5 | 16 |
| 61 | 3 | 3 | 2 | 4 | 12 |
| 62 | 3 | 4 | 4 | 2 | 13 |
| 63 | 4 | 4 | 4 | 3 | 15 |
| 64 | 3 | 4 | 4 | 5 | 16 |
| 65 | 3 | 4 | 3 | 2 | 12 |
| 66 | 2 | 3 | 4 | 3 | 12 |
| 67 | 3 | 4 | 3 | 3 | 13 |
| 68 | 4 | 3 | 3 | 2 | 12 |
| 69 | 2 | 3 | 3 | 4 | 12 |
| 70 | 2 | 3 | 4 | 2 | 11 |
| 71 | 3 | 3 | 4 | 2 | 12 |
| 72 | 2 | 2 | 1 | 3 | 8 |
| 73 | 3 | 4 | 3 | 4 | 14 |
| 74 | 4 | 3 | 2 | 3 | 12 |
| 75 | 3 | 3 | 4 | 3 | 13 |
| 76 | 3 | 3 | 4 | 3 | 13 |
| 77 | 3 | 4 | 5 | 3 | 15 |
| 78 | 2 | 2 | 2 | 2 | 8 |
| 79 | 2 | 2 | 2 | 1 | 7 |
| 80 | 4 | 4 | 3 | 4 | 15 |
| 81 | 4 | 3 | 4 | 3 | 14 |
| 82 | 4 | 3 | 3 | 3 | 13 |
| 83 | 2 | 4 | 5 | 4 | 15 |
| 84 | 4 | 3 | 4 | 3 | 14 |
| 85 | 2 | 3 | 2 | 4 | 11 |
| 86 | 3 | 4 | 3 | 3 | 13 |

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|-----|---|---|---|---|----|
| 87 | 2 | 3 | 3 | 3 | 11 |
| 88 | 3 | 3 | 3 | 4 | 13 |
| 89 | 5 | 4 | 2 | 3 | 14 |
| 90 | 4 | 2 | 3 | 2 | 11 |
| 91 | 2 | 3 | 4 | 3 | 12 |
| 92 | 3 | 2 | 3 | 3 | 11 |
| 93 | 5 | 3 | 4 | 3 | 15 |
| 94 | 2 | 2 | 5 | 4 | 13 |
| 95 | 4 | 3 | 3 | 4 | 14 |
| 96 | 4 | 4 | 3 | 3 | 14 |
| 97 | 2 | 3 | 3 | 2 | 10 |
| 98 | 3 | 3 | 4 | 4 | 14 |
| 99 | 3 | 3 | 3 | 1 | 10 |
| 100 | 4 | 4 | 3 | 3 | 14 |
| 101 | 3 | 4 | 3 | 3 | 13 |
| 102 | 5 | 4 | 3 | 4 | 16 |
| 103 | 4 | 3 | 4 | 4 | 15 |
| 104 | 4 | 3 | 4 | 3 | 14 |
| 105 | 4 | 3 | 3 | 4 | 14 |
| 106 | 4 | 3 | 4 | 3 | 14 |
| 107 | 5 | 4 | 3 | 3 | 15 |
| 108 | 4 | 3 | 3 | 1 | 11 |
| 109 | 3 | 4 | 3 | 3 | 13 |
| 110 | 4 | 3 | 4 | 1 | 12 |
| 111 | 2 | 2 | 3 | 2 | 9 |
| 112 | 2 | 3 | 4 | 3 | 12 |
| 113 | 3 | 4 | 4 | 3 | 14 |
| 114 | 2 | 2 | 2 | 2 | 8 |
| 115 | 2 | 2 | 5 | 1 | 10 |
| 116 | 4 | 4 | 3 | 4 | 15 |
| 117 | 4 | 3 | 4 | 3 | 14 |
| 118 | 4 | 3 | 4 | 3 | 14 |
| 119 | 2 | 4 | 5 | 4 | 15 |
| 120 | 4 | 3 | 4 | 3 | 14 |
| 121 | 1 | 3 | 2 | 4 | 10 |
| 122 | 3 | 4 | 3 | 3 | 13 |
| 123 | 2 | 3 | 3 | 3 | 11 |
| 124 | 3 | 3 | 3 | 4 | 13 |

| 125 | 5 | 4 | 3 | 3 | 15 |
|-----------------|-----------------|-------|-------|-------|----------|
| 126 | 4 | 2 | 3 | 2 | 11 |
| 127 | 5 | 3 | 4 | 3 | 15 |
| 128 | 3 | 2 | 3 | 3 | 11 |
| 129 | 5 | 3 | 4 | 3 | 15 |
| 130 | 2 | 2 | 5 | 4 | 13 |
| 131 | 3 | 4 | 4 | 3 | 14 |
| 132 | 5 | 2 | 2 | 2 | 11 |
| 133 | 4 | 2 | 2 | 1 | 9 |
| Jumlah | 443 | 433 | 442 | 406 | 1.724 |
| R Hitung | 0,572 | 0,698 | 0,477 | 0,686 | |
| R Tabel | 0,17 | 0,17 | 0,17 | 0,17 | |
| Resp | Item Pernyataan | | | | X3-Total |
| | X3.1 | X3.2 | X3.3 | X3.4 | |
| 1 | 2 | 2 | 2 | 2 | 8 |
| 2 | 3 | 3 | 4 | 4 | 14 |
| 3 | 3 | 3 | 2 | 2 | 10 |
| 4 | 4 | 4 | 3 | 3 | 14 |
| 5 | 3 | 3 | 2 | 2 | 10 |
| 6 | 3 | 3 | 4 | 4 | 14 |
| 7 | 1 | 1 | 2 | 2 | 6 |
| 8 | 4 | 4 | 3 | 3 | 14 |
| 9 | 4 | 4 | 3 | 3 | 14 |
| 10 | 4 | 4 | 3 | 3 | 14 |
| 11 | 4 | 4 | 4 | 4 | 16 |
| 12 | 4 | 4 | 4 | 4 | 16 |
| 13 | 4 | 4 | 3 | 3 | 14 |
| 14 | 4 | 4 | 3 | 3 | 14 |
| 15 | 4 | 4 | 5 | 5 | 18 |
| 16 | 3 | 3 | 4 | 4 | 14 |
| 17 | 4 | 4 | 3 | 3 | 14 |
| 18 | 4 | 4 | 3 | 3 | 14 |
| 19 | 3 | 3 | 4 | 4 | 14 |
| 20 | 4 | 4 | 1 | 1 | 10 |
| 21 | 4 | 4 | 4 | 4 | 16 |
| 22 | 3 | 3 | 4 | 4 | 14 |
| 23 | 4 | 4 | 3 | 3 | 14 |
| 24 | 3 | 3 | 4 | 4 | 14 |

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|----|---|---|---|---|----|
| 25 | 2 | 2 | 3 | 3 | 10 |
| 26 | 4 | 4 | 4 | 4 | 16 |
| 27 | 4 | 4 | 4 | 4 | 16 |
| 28 | 4 | 4 | 4 | 4 | 16 |
| 29 | 3 | 3 | 4 | 4 | 14 |
| 30 | 3 | 3 | 4 | 4 | 14 |
| 31 | 3 | 3 | 4 | 4 | 14 |
| 32 | 1 | 1 | 3 | 3 | 8 |
| 33 | 3 | 3 | 3 | 3 | 12 |
| 34 | 4 | 4 | 4 | 4 | 16 |
| 35 | 2 | 2 | 4 | 4 | 12 |
| 36 | 2 | 2 | 4 | 4 | 12 |
| 37 | 4 | 4 | 4 | 4 | 16 |
| 38 | 3 | 3 | 4 | 4 | 14 |
| 39 | 3 | 3 | 3 | 3 | 12 |
| 40 | 5 | 5 | 4 | 4 | 18 |
| 41 | 3 | 3 | 4 | 4 | 14 |
| 42 | 3 | 3 | 3 | 3 | 12 |
| 43 | 4 | 4 | 3 | 3 | 14 |
| 44 | 3 | 3 | 4 | 4 | 14 |
| 45 | 2 | 2 | 3 | 3 | 10 |
| 46 | 2 | 2 | 3 | 3 | 10 |
| 47 | 2 | 2 | 4 | 4 | 12 |
| 48 | 2 | 2 | 3 | 3 | 10 |
| 49 | 4 | 4 | 3 | 4 | 15 |
| 50 | 4 | 4 | 3 | 3 | 14 |
| 51 | 4 | 4 | 5 | 3 | 16 |
| 52 | 3 | 3 | 4 | 4 | 14 |
| 53 | 4 | 4 | 3 | 4 | 15 |
| 54 | 4 | 4 | 3 | 3 | 14 |
| 55 | 3 | 3 | 4 | 3 | 13 |
| 56 | 4 | 4 | 1 | 3 | 12 |
| 57 | 4 | 4 | 4 | 3 | 15 |
| 58 | 3 | 3 | 4 | 3 | 13 |
| 59 | 4 | 4 | 3 | 3 | 14 |
| 60 | 3 | 3 | 4 | 3 | 13 |
| 61 | 2 | 2 | 3 | 2 | 9 |
| 62 | 4 | 4 | 4 | 3 | 15 |

| | | | | | |
|-----|---|---|---|---|----|
| 63 | 4 | 4 | 4 | 4 | 16 |
| 64 | 4 | 4 | 4 | 3 | 15 |
| 65 | 3 | 3 | 4 | 3 | 13 |
| 66 | 4 | 4 | 3 | 5 | 16 |
| 67 | 3 | 3 | 4 | 3 | 13 |
| 68 | 3 | 3 | 3 | 3 | 12 |
| 69 | 3 | 3 | 3 | 4 | 13 |
| 70 | 4 | 4 | 3 | 4 | 15 |
| 71 | 4 | 4 | 3 | 4 | 15 |
| 72 | 1 | 1 | 2 | 3 | 7 |
| 73 | 3 | 3 | 4 | 2 | 12 |
| 74 | 2 | 2 | 3 | 3 | 10 |
| 75 | 4 | 4 | 3 | 3 | 14 |
| 76 | 4 | 4 | 3 | 3 | 14 |
| 77 | 5 | 5 | 4 | 3 | 17 |
| 78 | 2 | 2 | 2 | 3 | 9 |
| 79 | 2 | 2 | 2 | 4 | 10 |
| 80 | 3 | 3 | 4 | 2 | 12 |
| 81 | 4 | 4 | 3 | 4 | 15 |
| 82 | 3 | 3 | 3 | 3 | 12 |
| 83 | 5 | 5 | 4 | 2 | 16 |
| 84 | 4 | 4 | 3 | 2 | 13 |
| 85 | 2 | 2 | 3 | 2 | 9 |
| 86 | 3 | 3 | 4 | 3 | 13 |
| 87 | 3 | 3 | 3 | 4 | 13 |
| 88 | 3 | 3 | 3 | 3 | 12 |
| 89 | 2 | 2 | 4 | 2 | 10 |
| 90 | 3 | 3 | 2 | 2 | 10 |
| 91 | 4 | 4 | 3 | 5 | 16 |
| 92 | 3 | 3 | 2 | 3 | 11 |
| 93 | 4 | 4 | 3 | 4 | 15 |
| 94 | 5 | 5 | 2 | 3 | 15 |
| 95 | 3 | 3 | 3 | 3 | 12 |
| 96 | 3 | 3 | 4 | 2 | 12 |
| 97 | 3 | 3 | 3 | 3 | 12 |
| 98 | 4 | 4 | 3 | 3 | 14 |
| 99 | 3 | 3 | 3 | 3 | 12 |
| 100 | 3 | 3 | 4 | 3 | 13 |

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|-----------------|------------------------|-------------|-------------|-------------|-----------------|
| 101 | 3 | 3 | 4 | 3 | 13 |
| 102 | 3 | 3 | 4 | 5 | 15 |
| 103 | 4 | 4 | 3 | 3 | 14 |
| 104 | 4 | 4 | 3 | 3 | 14 |
| 105 | 3 | 3 | 3 | 4 | 13 |
| 106 | 4 | 4 | 3 | 4 | 15 |
| 107 | 3 | 3 | 4 | 4 | 14 |
| 108 | 3 | 3 | 3 | 3 | 12 |
| 109 | 3 | 3 | 4 | 2 | 12 |
| 110 | 4 | 4 | 3 | 3 | 14 |
| 111 | 3 | 3 | 2 | 3 | 11 |
| 112 | 4 | 4 | 3 | 3 | 14 |
| 113 | 4 | 4 | 4 | 3 | 15 |
| 114 | 2 | 2 | 2 | 3 | 9 |
| 115 | 5 | 5 | 2 | 4 | 16 |
| 116 | 3 | 3 | 4 | 2 | 12 |
| 117 | 4 | 4 | 3 | 4 | 15 |
| 118 | 4 | 4 | 3 | 3 | 14 |
| 119 | 5 | 5 | 4 | 3 | 17 |
| 120 | 4 | 4 | 3 | 2 | 13 |
| 121 | 2 | 2 | 3 | 5 | 12 |
| 122 | 3 | 3 | 4 | 4 | 14 |
| 123 | 3 | 3 | 3 | 5 | 14 |
| 124 | 3 | 3 | 3 | 4 | 13 |
| 125 | 3 | 3 | 4 | 3 | 13 |
| 126 | 3 | 3 | 2 | 3 | 11 |
| 127 | 4 | 4 | 3 | 3 | 14 |
| 128 | 3 | 3 | 2 | 4 | 12 |
| 129 | 4 | 4 | 3 | 4 | 15 |
| 130 | 5 | 5 | 2 | 3 | 15 |
| 131 | 4 | 4 | 4 | 3 | 15 |
| 132 | 2 | 2 | 2 | 2 | 8 |
| 133 | 2 | 2 | 2 | 2 | 8 |
| Jumlah | 442 | 442 | 433 | 435 | 1.752 |
| R Hitung | 0,840 | 0,840 | 0,541 | 0,555 | |
| R Tabel | 0,17 | 0,17 | 0,17 | 0,17 | |
| Resp | Item Pernyataan | | | | X4-Total |
| | X4.1 | X4.2 | X4.3 | X4.4 | |

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

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|----|---|---|---|---|----|
| 39 | 3 | 3 | 3 | 3 | 12 |
| 40 | 3 | 3 | 4 | 5 | 15 |
| 41 | 3 | 3 | 4 | 3 | 13 |
| 42 | 4 | 4 | 3 | 3 | 14 |
| 43 | 3 | 3 | 3 | 4 | 13 |
| 44 | 4 | 4 | 4 | 3 | 15 |
| 45 | 3 | 3 | 3 | 2 | 11 |
| 46 | 2 | 2 | 3 | 2 | 9 |
| 47 | 3 | 3 | 4 | 2 | 12 |
| 48 | 4 | 4 | 3 | 2 | 13 |
| 49 | 2 | 2 | 3 | 4 | 11 |
| 50 | 2 | 2 | 3 | 4 | 11 |
| 51 | 4 | 4 | 5 | 4 | 17 |
| 52 | 3 | 3 | 4 | 3 | 13 |
| 53 | 3 | 3 | 3 | 4 | 13 |
| 54 | 4 | 4 | 3 | 4 | 15 |
| 55 | 3 | 3 | 4 | 3 | 13 |
| 56 | 3 | 3 | 1 | 4 | 11 |
| 57 | 4 | 4 | 4 | 4 | 16 |
| 58 | 3 | 3 | 4 | 3 | 13 |
| 59 | 3 | 3 | 3 | 4 | 13 |
| 60 | 4 | 4 | 4 | 3 | 15 |
| 61 | 2 | 2 | 3 | 2 | 9 |
| 62 | 3 | 3 | 4 | 4 | 14 |
| 63 | 2 | 2 | 4 | 4 | 12 |
| 64 | 3 | 3 | 4 | 4 | 14 |
| 65 | 2 | 2 | 4 | 3 | 11 |
| 66 | 3 | 4 | 3 | 4 | 14 |
| 67 | 4 | 4 | 4 | 3 | 15 |
| 68 | 4 | 3 | 3 | 3 | 13 |
| 69 | 1 | 3 | 3 | 3 | 10 |
| 70 | 3 | 3 | 3 | 4 | 13 |
| 71 | 3 | 3 | 3 | 4 | 13 |
| 72 | 4 | 3 | 2 | 1 | 10 |
| 73 | 4 | 3 | 4 | 3 | 14 |
| 74 | 5 | 3 | 3 | 2 | 13 |
| 75 | 2 | 2 | 3 | 4 | 11 |
| 76 | 2 | 3 | 3 | 4 | 12 |

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|-----|---|---|---|---|----|
| 77 | 3 | 4 | 4 | 5 | 16 |
| 78 | 4 | 3 | 2 | 2 | 11 |
| 79 | 4 | 3 | 2 | 2 | 11 |
| 80 | 5 | 5 | 4 | 3 | 17 |
| 81 | 4 | 3 | 3 | 4 | 14 |
| 82 | 2 | 3 | 3 | 3 | 11 |
| 83 | 3 | 4 | 4 | 5 | 16 |
| 84 | 3 | 4 | 3 | 4 | 14 |
| 85 | 3 | 4 | 3 | 2 | 12 |
| 86 | 3 | 3 | 4 | 3 | 13 |
| 87 | 3 | 2 | 3 | 3 | 11 |
| 88 | 4 | 3 | 3 | 3 | 13 |
| 89 | 3 | 3 | 4 | 2 | 12 |
| 90 | 4 | 5 | 2 | 3 | 14 |
| 91 | 1 | 3 | 3 | 4 | 11 |
| 92 | 3 | 3 | 2 | 3 | 11 |
| 93 | 3 | 4 | 3 | 4 | 14 |
| 94 | 3 | 2 | 2 | 5 | 12 |
| 95 | 4 | 4 | 3 | 3 | 14 |
| 96 | 3 | 3 | 4 | 3 | 13 |
| 97 | 3 | 2 | 3 | 3 | 11 |
| 98 | 3 | 2 | 3 | 4 | 12 |
| 99 | 3 | 4 | 3 | 3 | 13 |
| 100 | 4 | 3 | 4 | 3 | 14 |
| 101 | 4 | 4 | 4 | 3 | 15 |
| 102 | 3 | 3 | 4 | 3 | 13 |
| 103 | 4 | 2 | 3 | 4 | 13 |
| 104 | 3 | 2 | 3 | 4 | 12 |
| 105 | 3 | 5 | 3 | 3 | 14 |
| 106 | 3 | 3 | 3 | 4 | 13 |
| 107 | 2 | 4 | 4 | 3 | 13 |
| 108 | 3 | 3 | 3 | 3 | 12 |
| 109 | 4 | 3 | 4 | 3 | 14 |
| 110 | 4 | 2 | 3 | 4 | 13 |
| 111 | 2 | 3 | 2 | 3 | 10 |
| 112 | 2 | 3 | 3 | 4 | 12 |
| 113 | 3 | 3 | 4 | 4 | 14 |
| 114 | 4 | 3 | 2 | 2 | 11 |

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|-----------------|-------|-------|-------|-------|-------|
| 115 | 4 | 3 | 2 | 5 | 14 |
| 116 | 5 | 5 | 4 | 3 | 17 |
| 117 | 4 | 3 | 3 | 4 | 14 |
| 118 | 2 | 3 | 3 | 4 | 12 |
| 119 | 3 | 4 | 4 | 5 | 16 |
| 120 | 3 | 4 | 3 | 4 | 14 |
| 121 | 3 | 4 | 3 | 2 | 12 |
| 122 | 3 | 3 | 4 | 3 | 13 |
| 123 | 3 | 2 | 3 | 3 | 11 |
| 124 | 4 | 3 | 3 | 3 | 13 |
| 125 | 3 | 3 | 4 | 3 | 13 |
| 126 | 4 | 3 | 2 | 3 | 12 |
| 127 | 1 | 3 | 3 | 4 | 11 |
| 128 | 2 | 3 | 2 | 3 | 10 |
| 129 | 3 | 4 | 3 | 4 | 14 |
| 130 | 3 | 2 | 2 | 5 | 12 |
| 131 | 3 | 3 | 4 | 4 | 14 |
| 132 | 4 | 3 | 2 | 2 | 11 |
| 133 | 3 | 3 | 2 | 2 | 10 |
| Jumlah | 418 | 418 | 433 | 442 | 1.711 |
| R Hitung | 0,614 | 0,700 | 0,615 | 0,459 | |
| R Tabel | 0,17 | 0,17 | 0,17 | 0,17 | |

| Resp | Item Pernyataan X5 | | | | | X5-Total |
|------|--------------------|------|------|------|------|----------|
| | X5.1 | X5.2 | X5.3 | X5.4 | X5.5 | |
| 1 | 3 | 2 | 2 | 2 | 3 | 12 |
| 2 | 3 | 4 | 3 | 3 | 4 | 17 |
| 3 | 3 | 2 | 3 | 4 | 3 | 15 |
| 4 | 3 | 3 | 4 | 4 | 3 | 17 |
| 5 | 4 | 2 | 3 | 2 | 3 | 14 |
| 6 | 3 | 4 | 3 | 3 | 3 | 16 |
| 7 | 3 | 2 | 1 | 2 | 2 | 10 |
| 8 | 2 | 3 | 4 | 3 | 4 | 16 |
| 9 | 2 | 3 | 4 | 4 | 3 | 16 |
| 10 | 3 | 3 | 4 | 3 | 3 | 16 |
| 11 | 4 | 4 | 4 | 3 | 3 | 18 |
| 12 | 3 | 4 | 4 | 3 | 4 | 18 |
| 13 | 4 | 3 | 4 | 2 | 2 | 15 |

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|----|---|---|---|---|---|----|
| 14 | 4 | 3 | 4 | 2 | 2 | 15 |
| 15 | 4 | 5 | 4 | 4 | 4 | 21 |
| 16 | 4 | 4 | 3 | 4 | 3 | 18 |
| 17 | 4 | 3 | 4 | 4 | 3 | 18 |
| 18 | 4 | 3 | 4 | 2 | 4 | 17 |
| 19 | 5 | 4 | 3 | 4 | 3 | 19 |
| 20 | 2 | 1 | 4 | 1 | 3 | 11 |
| 21 | 1 | 4 | 4 | 3 | 4 | 16 |
| 22 | 3 | 4 | 3 | 2 | 3 | 15 |
| 23 | 4 | 3 | 4 | 3 | 3 | 17 |
| 24 | 4 | 4 | 3 | 5 | 4 | 20 |
| 25 | 3 | 3 | 2 | 4 | 2 | 14 |
| 26 | 3 | 4 | 4 | 2 | 3 | 16 |
| 27 | 4 | 4 | 4 | 3 | 2 | 17 |
| 28 | 3 | 4 | 4 | 5 | 3 | 19 |
| 29 | 3 | 4 | 3 | 2 | 2 | 14 |
| 30 | 4 | 4 | 3 | 4 | 3 | 18 |
| 31 | 5 | 4 | 3 | 4 | 4 | 20 |
| 32 | 3 | 3 | 1 | 2 | 3 | 12 |
| 33 | 3 | 3 | 3 | 3 | 3 | 15 |
| 34 | 2 | 4 | 4 | 3 | 3 | 16 |
| 35 | 2 | 4 | 2 | 4 | 4 | 16 |
| 36 | 3 | 4 | 2 | 3 | 4 | 16 |
| 37 | 4 | 4 | 4 | 5 | 4 | 21 |
| 38 | 4 | 4 | 3 | 4 | 3 | 18 |
| 39 | 4 | 3 | 3 | 4 | 3 | 17 |
| 40 | 5 | 4 | 5 | 4 | 3 | 21 |
| 41 | 3 | 4 | 3 | 4 | 3 | 17 |
| 42 | 4 | 3 | 3 | 5 | 4 | 19 |
| 43 | 3 | 3 | 4 | 4 | 3 | 17 |
| 44 | 4 | 4 | 3 | 3 | 4 | 18 |
| 45 | 3 | 3 | 2 | 4 | 3 | 15 |
| 46 | 3 | 3 | 2 | 2 | 2 | 12 |
| 47 | 4 | 4 | 2 | 2 | 3 | 15 |
| 48 | 5 | 3 | 2 | 3 | 4 | 17 |
| 49 | 4 | 3 | 4 | 2 | 2 | 15 |
| 50 | 4 | 3 | 4 | 2 | 2 | 15 |
| 51 | 4 | 5 | 4 | 4 | 4 | 21 |

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|----|---|---|---|---|---|----|
| 52 | 4 | 4 | 3 | 4 | 3 | 18 |
| 53 | 4 | 3 | 4 | 4 | 3 | 18 |
| 54 | 4 | 3 | 4 | 2 | 4 | 17 |
| 55 | 5 | 4 | 3 | 4 | 3 | 19 |
| 56 | 2 | 1 | 4 | 1 | 3 | 11 |
| 57 | 1 | 4 | 4 | 3 | 4 | 16 |
| 58 | 3 | 4 | 3 | 2 | 3 | 15 |
| 59 | 4 | 3 | 4 | 3 | 3 | 17 |
| 60 | 4 | 4 | 3 | 5 | 4 | 20 |
| 61 | 3 | 3 | 2 | 4 | 2 | 14 |
| 62 | 3 | 4 | 4 | 2 | 3 | 16 |
| 63 | 4 | 4 | 4 | 3 | 2 | 17 |
| 64 | 3 | 4 | 4 | 5 | 3 | 19 |
| 65 | 3 | 4 | 3 | 2 | 2 | 14 |
| 66 | 2 | 3 | 4 | 3 | 4 | 16 |
| 67 | 3 | 4 | 3 | 3 | 4 | 17 |
| 68 | 4 | 3 | 3 | 2 | 3 | 15 |
| 69 | 2 | 3 | 3 | 4 | 3 | 15 |
| 70 | 2 | 3 | 4 | 2 | 3 | 14 |
| 71 | 3 | 3 | 4 | 2 | 3 | 15 |
| 72 | 2 | 2 | 1 | 3 | 3 | 11 |
| 73 | 3 | 4 | 3 | 4 | 3 | 17 |
| 74 | 4 | 3 | 2 | 3 | 3 | 15 |
| 75 | 3 | 3 | 4 | 3 | 2 | 15 |
| 76 | 3 | 3 | 4 | 3 | 3 | 16 |
| 77 | 3 | 4 | 5 | 3 | 4 | 19 |
| 78 | 2 | 2 | 2 | 2 | 3 | 11 |
| 79 | 2 | 2 | 2 | 1 | 3 | 10 |
| 80 | 4 | 4 | 3 | 4 | 5 | 20 |
| 81 | 4 | 3 | 4 | 3 | 3 | 17 |
| 82 | 4 | 3 | 3 | 3 | 3 | 16 |
| 83 | 2 | 4 | 5 | 4 | 4 | 19 |
| 84 | 4 | 3 | 4 | 3 | 4 | 18 |
| 85 | 2 | 3 | 2 | 4 | 4 | 15 |
| 86 | 3 | 4 | 3 | 3 | 3 | 16 |
| 87 | 2 | 3 | 3 | 3 | 2 | 13 |
| 88 | 3 | 3 | 3 | 4 | 3 | 16 |
| 89 | 5 | 4 | 2 | 3 | 3 | 17 |

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|-----|---|---|---|---|---|----|
| 90 | 4 | 2 | 3 | 2 | 5 | 16 |
| 91 | 2 | 3 | 4 | 3 | 3 | 15 |
| 92 | 3 | 2 | 3 | 3 | 3 | 14 |
| 93 | 5 | 3 | 4 | 3 | 4 | 19 |
| 94 | 2 | 2 | 5 | 4 | 2 | 15 |
| 95 | 4 | 3 | 3 | 4 | 4 | 18 |
| 96 | 4 | 4 | 3 | 3 | 3 | 17 |
| 97 | 2 | 3 | 3 | 2 | 2 | 12 |
| 98 | 3 | 3 | 4 | 4 | 2 | 16 |
| 99 | 3 | 3 | 3 | 1 | 4 | 14 |
| 100 | 4 | 4 | 3 | 3 | 3 | 17 |
| 101 | 3 | 4 | 3 | 3 | 4 | 17 |
| 102 | 5 | 4 | 3 | 4 | 3 | 19 |
| 103 | 4 | 3 | 4 | 4 | 2 | 17 |
| 104 | 4 | 3 | 4 | 3 | 2 | 16 |
| 105 | 4 | 3 | 3 | 4 | 5 | 19 |
| 106 | 4 | 3 | 4 | 3 | 3 | 17 |
| 107 | 5 | 4 | 3 | 3 | 4 | 19 |
| 108 | 4 | 3 | 3 | 1 | 3 | 14 |
| 109 | 3 | 4 | 3 | 3 | 3 | 16 |
| 110 | 4 | 3 | 4 | 1 | 2 | 14 |
| 111 | 2 | 2 | 3 | 2 | 3 | 12 |
| 112 | 2 | 3 | 4 | 3 | 3 | 15 |
| 113 | 3 | 4 | 4 | 3 | 3 | 17 |
| 114 | 2 | 2 | 2 | 2 | 3 | 11 |
| 115 | 2 | 2 | 5 | 1 | 3 | 13 |
| 116 | 4 | 4 | 3 | 4 | 5 | 20 |
| 117 | 4 | 3 | 4 | 3 | 3 | 17 |
| 118 | 4 | 3 | 4 | 3 | 3 | 17 |
| 119 | 2 | 4 | 5 | 4 | 4 | 19 |
| 120 | 4 | 3 | 4 | 3 | 4 | 18 |
| 121 | 1 | 3 | 2 | 4 | 4 | 14 |
| 122 | 3 | 4 | 3 | 3 | 3 | 16 |
| 123 | 2 | 3 | 3 | 3 | 2 | 13 |
| 124 | 3 | 3 | 3 | 4 | 3 | 16 |
| 125 | 5 | 4 | 3 | 3 | 3 | 18 |
| 126 | 4 | 2 | 3 | 2 | 3 | 14 |
| 127 | 5 | 3 | 4 | 3 | 3 | 18 |

| | | | | | | |
|----------------|-------|-------|-------|-------|-------|-------|
| 128 | 3 | 2 | 3 | 3 | 3 | 14 |
| 129 | 5 | 3 | 4 | 3 | 4 | 19 |
| 130 | 2 | 2 | 5 | 4 | 2 | 15 |
| 131 | 3 | 4 | 4 | 3 | 3 | 17 |
| 132 | 5 | 2 | 2 | 2 | 3 | 14 |
| 133 | 4 | 2 | 2 | 1 | 3 | 12 |
| Jumlah | 443 | 433 | 442 | 406 | 418 | 2.142 |
| Rhitung | 0,536 | 0,693 | 0,422 | 0,680 | 0,492 | |

| | | | | | | | |
|----------------|------------------------|------------|------------|------------|------------|------------|-----------------|
| R Tabel | 0,17 | 0,17 | 0,17 | 0,17 | 0,17 | | |
| Resp | Item Pernyataan | | | | | | X1-Total |
| | Y.1 | Y.2 | Y.3 | Y.4 | Y.5 | Y.6 | |
| 1 | 3 | 2 | 2 | 2 | 3 | 3 | 15 |
| 2 | 3 | 4 | 3 | 3 | 4 | 4 | 21 |
| 3 | 3 | 2 | 3 | 4 | 3 | 3 | 18 |
| 4 | 3 | 3 | 4 | 4 | 3 | 3 | 20 |
| 5 | 4 | 2 | 3 | 2 | 3 | 3 | 17 |
| 6 | 3 | 4 | 3 | 3 | 3 | 3 | 19 |
| 7 | 3 | 2 | 1 | 2 | 2 | 2 | 12 |
| 8 | 2 | 3 | 4 | 3 | 4 | 4 | 20 |
| 9 | 2 | 3 | 4 | 4 | 3 | 3 | 19 |
| 10 | 3 | 3 | 4 | 3 | 3 | 3 | 19 |
| 11 | 4 | 4 | 4 | 3 | 3 | 3 | 21 |
| 12 | 3 | 4 | 4 | 3 | 4 | 4 | 22 |
| 13 | 4 | 3 | 4 | 2 | 2 | 2 | 17 |
| 14 | 4 | 3 | 4 | 2 | 2 | 2 | 17 |
| 15 | 4 | 5 | 4 | 4 | 4 | 4 | 25 |
| 16 | 4 | 4 | 3 | 4 | 3 | 3 | 21 |
| 17 | 4 | 3 | 4 | 4 | 3 | 3 | 21 |
| 18 | 4 | 3 | 4 | 2 | 4 | 4 | 21 |
| 19 | 5 | 4 | 3 | 4 | 3 | 3 | 22 |
| 20 | 2 | 1 | 4 | 1 | 3 | 3 | 14 |
| 21 | 1 | 4 | 4 | 3 | 4 | 4 | 20 |
| 22 | 3 | 4 | 3 | 2 | 3 | 3 | 18 |
| 23 | 4 | 3 | 4 | 3 | 3 | 3 | 20 |
| 24 | 4 | 4 | 3 | 5 | 4 | 4 | 24 |
| 25 | 3 | 3 | 2 | 4 | 2 | 2 | 16 |
| 26 | 3 | 4 | 4 | 2 | 3 | 3 | 19 |
| 27 | 4 | 4 | 4 | 3 | 2 | 2 | 19 |

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|----|---|---|---|---|---|---|----|
| 28 | 3 | 4 | 4 | 5 | 3 | 3 | 22 |
| 29 | 3 | 4 | 3 | 2 | 2 | 2 | 16 |
| 30 | 4 | 4 | 3 | 4 | 3 | 3 | 21 |
| 31 | 5 | 4 | 3 | 4 | 4 | 4 | 24 |
| 32 | 3 | 3 | 1 | 2 | 3 | 3 | 15 |
| 33 | 3 | 3 | 3 | 3 | 3 | 3 | 18 |
| 34 | 2 | 4 | 4 | 3 | 3 | 3 | 19 |
| 35 | 2 | 4 | 2 | 4 | 4 | 4 | 20 |
| 36 | 3 | 4 | 2 | 3 | 4 | 4 | 20 |
| 37 | 4 | 4 | 4 | 5 | 4 | 4 | 25 |
| 38 | 4 | 4 | 3 | 4 | 3 | 3 | 21 |
| 39 | 4 | 3 | 3 | 4 | 3 | 3 | 20 |
| 40 | 5 | 4 | 5 | 4 | 3 | 3 | 24 |
| 41 | 3 | 4 | 3 | 4 | 3 | 3 | 20 |
| 42 | 4 | 3 | 3 | 5 | 4 | 4 | 23 |
| 43 | 3 | 3 | 4 | 4 | 3 | 3 | 20 |
| 44 | 4 | 4 | 3 | 3 | 4 | 4 | 22 |
| 45 | 3 | 3 | 2 | 4 | 3 | 3 | 18 |
| 46 | 3 | 3 | 2 | 2 | 2 | 2 | 14 |
| 47 | 4 | 4 | 2 | 2 | 3 | 3 | 18 |
| 48 | 5 | 3 | 2 | 3 | 4 | 4 | 21 |
| 49 | 4 | 3 | 4 | 2 | 2 | 2 | 17 |
| 50 | 4 | 3 | 4 | 2 | 2 | 2 | 17 |
| 51 | 4 | 5 | 4 | 4 | 4 | 4 | 25 |
| 52 | 4 | 4 | 3 | 4 | 3 | 3 | 21 |
| 53 | 4 | 3 | 4 | 4 | 3 | 3 | 21 |
| 54 | 4 | 3 | 4 | 2 | 4 | 4 | 21 |
| 55 | 5 | 4 | 3 | 4 | 3 | 3 | 22 |
| 56 | 2 | 1 | 4 | 1 | 3 | 3 | 14 |
| 57 | 1 | 4 | 4 | 3 | 4 | 4 | 20 |
| 58 | 3 | 4 | 3 | 2 | 3 | 3 | 18 |
| 59 | 4 | 3 | 4 | 3 | 3 | 3 | 20 |
| 60 | 4 | 4 | 3 | 5 | 4 | 4 | 24 |
| 61 | 3 | 3 | 2 | 4 | 2 | 2 | 16 |
| 62 | 3 | 4 | 4 | 2 | 3 | 3 | 19 |
| 63 | 4 | 4 | 4 | 3 | 2 | 2 | 19 |
| 64 | 3 | 4 | 4 | 5 | 3 | 3 | 22 |
| 65 | 3 | 4 | 3 | 2 | 2 | 2 | 16 |

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|-----|---|---|---|---|---|---|----|
| 66 | 2 | 3 | 4 | 3 | 3 | 4 | 19 |
| 67 | 3 | 4 | 3 | 3 | 4 | 4 | 21 |
| 68 | 4 | 3 | 3 | 2 | 4 | 3 | 19 |
| 69 | 2 | 3 | 3 | 4 | 1 | 3 | 16 |
| 70 | 2 | 3 | 4 | 2 | 3 | 3 | 17 |
| 71 | 3 | 3 | 4 | 2 | 3 | 3 | 18 |
| 72 | 2 | 2 | 1 | 3 | 4 | 3 | 15 |
| 73 | 3 | 4 | 3 | 4 | 4 | 3 | 21 |
| 74 | 4 | 3 | 2 | 3 | 5 | 3 | 20 |
| 75 | 3 | 3 | 4 | 3 | 2 | 2 | 17 |
| 76 | 3 | 3 | 4 | 3 | 2 | 3 | 18 |
| 77 | 3 | 4 | 5 | 3 | 3 | 4 | 22 |
| 78 | 2 | 2 | 2 | 2 | 4 | 3 | 15 |
| 79 | 2 | 2 | 2 | 1 | 4 | 3 | 14 |
| 80 | 4 | 4 | 3 | 4 | 5 | 5 | 25 |
| 81 | 4 | 3 | 4 | 3 | 4 | 3 | 21 |
| 82 | 4 | 3 | 3 | 3 | 2 | 3 | 18 |
| 83 | 2 | 4 | 5 | 4 | 3 | 4 | 22 |
| 84 | 4 | 3 | 4 | 3 | 3 | 4 | 21 |
| 85 | 2 | 3 | 2 | 4 | 3 | 4 | 18 |
| 86 | 3 | 4 | 3 | 3 | 3 | 3 | 19 |
| 87 | 2 | 3 | 3 | 3 | 3 | 2 | 16 |
| 88 | 3 | 3 | 3 | 4 | 4 | 3 | 20 |
| 89 | 5 | 4 | 2 | 3 | 3 | 3 | 20 |
| 90 | 4 | 2 | 3 | 2 | 4 | 5 | 20 |
| 91 | 2 | 3 | 4 | 3 | 1 | 3 | 16 |
| 92 | 3 | 2 | 3 | 3 | 3 | 3 | 17 |
| 93 | 5 | 3 | 4 | 3 | 3 | 4 | 22 |
| 94 | 2 | 2 | 5 | 4 | 3 | 2 | 18 |
| 95 | 4 | 3 | 3 | 4 | 4 | 4 | 22 |
| 96 | 4 | 4 | 3 | 3 | 3 | 3 | 20 |
| 97 | 2 | 3 | 3 | 2 | 3 | 2 | 15 |
| 98 | 3 | 3 | 4 | 4 | 3 | 2 | 19 |
| 99 | 3 | 3 | 3 | 1 | 3 | 4 | 17 |
| 100 | 4 | 4 | 3 | 3 | 4 | 3 | 21 |
| 101 | 3 | 4 | 3 | 3 | 4 | 4 | 21 |
| 102 | 5 | 4 | 3 | 4 | 3 | 3 | 22 |
| 103 | 4 | 3 | 4 | 4 | 4 | 2 | 21 |

LAMPIRAN 3
PENGOLAHAN DATA

| Variabel | Sub Variabel | Indikator | Koefisien korelasi ® | Nilai rtabel ($\alpha = 95\%$) | Keterangan |
|-----------------|---------------------|------------------|-----------------------------|--|-------------------|
| Variabel X | Kualitas Pelayanan | Ketertarikan | 0,536 | 0,17 | Valid |
| | | Ketertarikan | 0,693 | 0,17 | Valid |
| | | Tampilan | 0,422 | 0,17 | Valid |
| | | Kerapihan | 0,680 | 0,17 | Valid |
| | | Kebersihan | 0,492 | 0,17 | Valid |
| | | Keandalan | 0,572 | 0,17 | Valid |
| | | Ketepatan | 0,698 | 0,17 | Valid |
| | | Keandalan | 0,477 | 0,17 | Valid |
| | | Keandalan | 0,686 | 0,17 | Valid |
| | | Kecepatan | 0,840 | 0,17 | Valid |
| | | Kecepatan | 0,840 | 0,17 | Valid |
| | | Kecepatan | 0,541 | 0,17 | Valid |
| | | Kecepatan | 0,555 | 0,17 | Valid |
| | | Keamanan | 0,614 | 0,17 | Valid |
| | | Keamanan | 0,700 | 0,17 | Valid |
| | | Kepercayaan | 0,615 | 0,17 | Valid |
| | | Kepercayaan | 0,459 | 0,17 | Valid |
| | | Sikap | 0,536 | 0,17 | Valid |
| | | Komunikasi | 0,693 | 0,17 | Valid |
| | | Keramahan | 0,422 | 0,17 | Valid |
| Kesabaran | 0,680 | 0,17 | Valid | | |
| Ketelatenan | 0,492 | 0,17 | Valid | | |
| Variabel Y | Nilai Pelanggan | Kebanggaan | 0,495 | 0,17 | Valid |
| | | Kepuasan | 0,657 | 0,17 | Valid |
| | | Kepuasan | 0,342 | 0,17 | Valid |
| | | Keinginan | 0,643 | 0,17 | Valid |
| | | Manfaat | 0,477 | 0,17 | Valid |
| | | Keuntungan | 0,592 | 0,17 | Valid |

Kualitas Layanan

Reliability Statistics

| Cronbach's Alpha | N of Items |
|------------------|------------|
| .884 | 22 |

Nilai Pelanggan

Reliability Statistics

| Cronbach's Alpha | N of Items |
|------------------|------------|
| .649 | 6 |

Uji Normalitas

One-Sample Kolmogorov-Smirnov Test

| | | Unstandardized Residual |
|----------------------------------|----------------|-------------------------|
| N | | 133 |
| Normal Parameters ^{a,b} | Mean | .0000000 |
| | Std. Deviation | .31366800 |
| Most Extreme Differences | Absolute | .059 |
| | Positive | .059 |
| | Negative | .058 |
| Test Statistic | | .059 |
| Asymp. Sig. (2-tailed) | | .600 ^{c,d} |

- a. Test distribution is Normal.
- b. Calculated from data.
- c. Lilliefors Significance Correction.
- d. This is a lower bound of the true significance.

Uji Multikolineritas

Coefficients^a

| Model | Collinearity Statistics | |
|------------------|-------------------------|-------|
| | Tolerance | VIF |
| Tangible (X1) | .123 | 1,406 |
| Reliability (X2) | .334 | 2,868 |
| Responsive (X3) | .348 | 2,623 |
| Assurance (X4) | .178 | 1,623 |
| Empathy (X5) | .327 | 2,464 |

a. Defendent Variabel : Nilai Pelanggan (Y)

Linier Berganda

Coefficients^a

| Model | | Unstandardized Coefficients | | Standardized | T | Sig. | Collinearity Statistics | |
|-------|----------------|-----------------------------|------------|----------------------|--------|------|-------------------------|-------|
| | | B | Std. Error | Coefficients Beta | | | Tolerance | VIF |
| 1 | (Constant) | 1.059 | .207 | | 5.106 | .000 | | |
| | TANGIBLE | .492 | .041 | .374 | 6.539 | .000 | .123 | 1,406 |
| | RELIABILITY | .535 | .070 | .429 | 7.674 | .000 | .334 | 2,868 |
| | RESPONSIBILITY | .312 | .021 | .265 | 15.218 | .000 | .348 | 2,623 |
| | ASSURANCE | .746 | .036 | .512 | 20.948 | .000 | .178 | 1,623 |
| | EMPATHY | .359 | .070 | .322 | 5.140 | .000 | .327 | 2,464 |

a. Dependent Variable: NILAI PELANGGAN

Hasil Analisis Koefisien Korelasi

Correlations

| | | TANGIBLE(X1) | RELIABILITY(X2) | RESPONSIVE(X3) | ASSURANCE(X4) | EMPATHY(X5) | NILAI PELANGGAN(Y) |
|--------------------|---------------------|--------------|-----------------|----------------|---------------|-------------|--------------------|
| TANGIBLE(X1) | Pearson Correlation | 1 | .957** | .617** | .763** | 1.000** | .959** |
| | Sig. (2-tailed) | | .000 | .000 | .000 | .000 | .000 |
| | N | 133 | 133 | 133 | 133 | 133 | 133 |
| RELIABILITY(X2) | Pearson Correlation | .957** | 1 | .669** | .623** | .957** | .878** |
| | Sig. (2-tailed) | .000 | | .000 | .000 | .000 | .000 |
| | N | 133 | 133 | 133 | 133 | 133 | 133 |
| RESPONSIVE(X3) | Pearson Correlation | .617** | .669** | 1 | .605** | .617** | .529** |
| | Sig. (2-tailed) | .000 | .000 | | .000 | .000 | .000 |
| | N | 133 | 133 | 133 | 133 | 133 | 133 |
| ASSURANCE(X4) | Pearson Correlation | .763** | .623** | .605** | 1 | .763** | .864** |
| | Sig. (2-tailed) | .000 | .000 | .000 | | .000 | .000 |
| | N | 133 | 133 | 133 | 133 | 133 | 133 |
| EMPATHY(X5) | Pearson Correlation | 1.000** | .957** | .617** | .763** | 1 | .959** |
| | Sig. (2-tailed) | .000 | .000 | .000 | .000 | | .000 |
| | N | 133 | 133 | 133 | 133 | 133 | 133 |
| NILAI PELANGGAN(Y) | Pearson Correlation | .959** | .878** | .529** | .864** | .959** | 1 |
| | Sig. (2-tailed) | .000 | .000 | .000 | .000 | .000 | |
| | N | 133 | 133 | 133 | 133 | 133 | 133 |

** . Correlation is significant at the 0.01 level (2-tailed).

Tabel 4.19
Hasil Uji Hipotesis Secara Parsial (Uji T)
Coefficients^a

| Model | | Unstandardized Coefficients | | Standardized | t | Sig. |
|-------|--------------|-----------------------------|------------|--------------|--------|------|
| | | B | Std. Error | Coefficients | | |
| 1 | (Constant) | 2.059 | .449 | | 4.590 | .000 |
| | TANGIBLE(X1) | 1.067 | .028 | .959 | 38.748 | .000 |

a. Dependent Variable: NILAI PELANGGAN(Y)

(Sumber : Data SPSS yang telah diolah)

Indikator *Reliability*

Hasil Uji Hipotesis Secara Parsial (Uji T)

Coefficients^a

| Model | | Unstandardized Coefficients | | Standardized | t | Sig. |
|-------|-----------------|-----------------------------|------------|--------------|--------|------|
| | | B | Std. Error | Coefficients | | |
| 1 | (Constant) | 5.054 | .686 | | 7.366 | .000 |
| | RELIABILITY(X2) | 1.095 | .052 | .878 | 20.971 | .000 |

a. Dependent Variable: NILAI PELANGGAN(Y)

(Sumber : Data SPSS yang telah diolah)

Indikator *Responsive*

Hasil Uji Hipotesis Secara Parsial (Uji T)

Coefficients^a

| Model | | Unstandardized Coefficients | | Standardized | t | Sig. |
|-------|----------------|-----------------------------|------------|--------------|-------|------|
| | | B | Std. Error | Coefficients | | |
| 1 | (Constant) | 11.045 | 1.166 | | 9.471 | .000 |
| | RESPONSIVE(X3) | .623 | .087 | .529 | 7.138 | .000 |

a. Dependent Variable: NILAI PELANGGAN(Y)

(Sumber : Data SPSS yang telah diolah)

Indikator Assurance

Hasil Uji Hipotesis Secara Parsial (Uji T)

| | | Coefficients ^a | | Standardized | | |
|-------|---------------|-----------------------------|------------|--------------|--------|------|
| | | Unstandardized Coefficients | | Coefficients | | |
| Model | | B | Std. Error | Beta | t | Sig. |
| 1 | (Constant) | 3.038 | .835 | | 3.639 | .000 |
| | ASSURANCE(X4) | 1.260 | .064 | .864 | 19.614 | .000 |

a. Dependent Variable: NILAI PELANGGAN(Y)

(Sumber : Data SPSS yang telah diolah)

Indikator Empathy

Hasil Uji Hipotesis Secara Parsial (Uji T)

| | | Coefficients ^a | | Standardized | | |
|-------|-------------|-----------------------------|------------|--------------|--------|------|
| | | Unstandardized Coefficients | | Coefficients | | |
| Model | | B | Std. Error | Beta | t | Sig. |
| 1 | (Constant) | 2.059 | .449 | | 4.590 | .000 |
| | EMPATHY(X5) | 1.067 | .028 | .959 | 38.748 | .000 |

a. Dependent Variable: NILAI PELANGGAN(Y)

(Sumber : Data SPSS yang telah diolah)

Hasil Uji F

| | | ANOVA ^a | | | | |
|-------|------------|--------------------|-----|-------------|----------|-------------------|
| Model | | Sum of Squares | Df | Mean Square | F | Sig. |
| 1 | Regression | 943.825 | 4 | 235.956 | 2325.557 | .000 ^b |
| | Residual | 12.987 | 128 | .101 | | |
| | Total | 956.812 | 132 | | | |

a. Dependent Variable: NILAI PELANGGAN(Y)

b. Predictors: (Constant), EMPATHY(X5), RESPONSIVE(X3), ASSURANCE(X4), RELIABILITY(X2)

(Sumber : Data SPSS yang telah diolah)

TABEL t

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 |
| 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 |

| | | | | | | | | | | | | | | | |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 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 |
| 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 |

TABEL f

| 0.50 | 0.20 | 0.10 | 0.050 | 0.02 | 0.010 | 0.002 |
|------|---------|---------|---------|----------|----------|----------|
| 1 | 1.00000 | 3.07768 | 6.31375 | 12.70620 | 31.82052 | 63.65674 |
| 2 | 0.81650 | 1.88562 | 2.91999 | 4.30265 | 6.96456 | 9.92484 |
| 3 | 0.76489 | 1.63774 | 2.35336 | 3.18245 | 4.54070 | 5.84091 |
| 4 | 0.74070 | 1.53321 | 2.13185 | 2.77645 | 3.74695 | 4.60409 |
| 5 | 0.72669 | 1.47588 | 2.01505 | 2.57058 | 3.36493 | 4.03214 |
| 6 | 0.71756 | 1.43976 | 1.94318 | 2.44691 | 3.14267 | 3.70743 |
| 7 | 0.71114 | 1.41492 | 1.89458 | 2.36462 | 2.99795 | 3.49948 |
| 8 | 0.70639 | 1.39682 | 1.85955 | 2.30600 | 2.89646 | 3.35539 |
| 9 | 0.70272 | 1.38303 | 1.83311 | 2.26216 | 2.82144 | 3.24984 |
| 10 | 0.69981 | 1.37218 | 1.81246 | 2.22814 | 2.76377 | 3.16927 |

| | | | | | | | |
|----|---------|---------|---------|---------|---------|---------|---------|
| 11 | 0.69745 | 1.36343 | 1.79588 | 2.20099 | 2.71808 | 3.10581 | 4.02470 |
| 12 | 0.69548 | 1.35622 | 1.78229 | 2.17881 | 2.68100 | 3.05454 | 3.92963 |
| 13 | 0.69383 | 1.35017 | 1.77093 | 2.16037 | 2.65031 | 3.01228 | 3.85198 |
| 14 | 0.69242 | 1.34503 | 1.76131 | 2.14479 | 2.62449 | 2.97684 | 3.78739 |
| 15 | 0.69120 | 1.34061 | 1.75305 | 2.13145 | 2.60248 | 2.94671 | 3.73283 |
| 16 | 0.69013 | 1.33676 | 1.74588 | 2.11991 | 2.58349 | 2.92078 | 3.68615 |
| 17 | 0.68920 | 1.33338 | 1.73961 | 2.10982 | 2.56693 | 2.89823 | 3.64577 |
| 18 | 0.68836 | 1.33039 | 1.73406 | 2.10092 | 2.55238 | 2.87844 | 3.61048 |
| 19 | 0.68762 | 1.32773 | 1.72913 | 2.09302 | 2.53948 | 2.86093 | 3.57940 |
| 20 | 0.68695 | 1.32534 | 1.72472 | 2.08596 | 2.52798 | 2.84534 | 3.55181 |
| 21 | 0.68635 | 1.32319 | 1.72074 | 2.07961 | 2.51765 | 2.83136 | 3.52715 |
| 22 | 0.68581 | 1.32124 | 1.71714 | 2.07387 | 2.50832 | 2.81876 | 3.50499 |
| 23 | 0.68531 | 1.31946 | 1.71387 | 2.06866 | 2.49987 | 2.80734 | 3.48496 |
| 24 | 0.68485 | 1.31784 | 1.71088 | 2.06390 | 2.49216 | 2.79694 | 3.46678 |
| 25 | 0.68443 | 1.31635 | 1.70814 | 2.05954 | 2.48511 | 2.78744 | 3.45019 |
| 26 | 0.68404 | 1.31497 | 1.70562 | 2.05553 | 2.47863 | 2.77871 | 3.43500 |
| 27 | 0.68368 | 1.31370 | 1.70329 | 2.05183 | 2.47266 | 2.77068 | 3.42103 |
| 28 | 0.68335 | 1.31253 | 1.70113 | 2.04841 | 2.46714 | 2.76326 | 3.40816 |
| 29 | 0.68304 | 1.31143 | 1.69913 | 2.04523 | 2.46202 | 2.75639 | 3.39624 |
| 30 | 0.68276 | 1.31042 | 1.69726 | 2.04227 | 2.45726 | 2.75000 | 3.38518 |
| 31 | 0.68249 | 1.30946 | 1.69552 | 2.03951 | 2.45282 | 2.74404 | 3.37490 |
| 32 | 0.68223 | 1.30857 | 1.69389 | 2.03693 | 2.44868 | 2.73848 | 3.36531 |
| 33 | 0.68200 | 1.30774 | 1.69236 | 2.03452 | 2.44479 | 2.73328 | 3.35634 |
| 34 | 0.68177 | 1.30695 | 1.69092 | 2.03224 | 2.44115 | 2.72839 | 3.34793 |
| 35 | 0.68156 | 1.30621 | 1.68957 | 2.03011 | 2.43772 | 2.72381 | 3.34005 |
| 36 | 0.68137 | 1.30551 | 1.68830 | 2.02809 | 2.43449 | 2.71948 | 3.33262 |
| 37 | 0.68118 | 1.30485 | 1.68709 | 2.02619 | 2.43145 | 2.71541 | 3.32563 |
| 38 | 0.68100 | 1.30423 | 1.68595 | 2.02439 | 2.42857 | 2.71156 | 3.31903 |
| 39 | 0.68083 | 1.30364 | 1.68488 | 2.02269 | 2.42584 | 2.70791 | 3.31279 |
| 40 | 0.68067 | 1.30308 | 1.68385 | 2.02108 | 2.42326 | 2.70446 | 3.30688 |
| 41 | 0.68052 | 1.30254 | 1.68288 | 2.01954 | 2.42080 | 2.70118 | 3.30127 |
| 42 | 0.68038 | 1.30204 | 1.68195 | 2.01808 | 2.41847 | 2.69807 | 3.29595 |
| 43 | 0.68024 | 1.30155 | 1.68107 | 2.01669 | 2.41625 | 2.69510 | 3.29089 |
| 44 | 0.68011 | 1.30109 | 1.68023 | 2.01537 | 2.41413 | 2.69228 | 3.28607 |
| 45 | 0.67998 | 1.30065 | 1.67943 | 2.01410 | 2.41212 | 2.68959 | 3.28148 |
| 46 | 0.67986 | 1.30023 | 1.67866 | 2.01290 | 2.41019 | 2.68701 | 3.27710 |
| 47 | 0.67975 | 1.29982 | 1.67793 | 2.01174 | 2.40835 | 2.68456 | 3.27291 |
| 48 | 0.67964 | 1.29944 | 1.67722 | 2.01063 | 2.40658 | 2.68220 | 3.26891 |
| 49 | 0.67953 | 1.29907 | 1.67655 | 2.00958 | 2.40489 | 2.67995 | 3.26508 |
| 50 | 0.67943 | 1.29871 | 1.67591 | 2.00856 | 2.40327 | 2.67779 | 3.26141 |
| 51 | 0.67933 | 1.29837 | 1.67528 | 2.00758 | 2.40172 | 2.67572 | 3.25789 |
| 52 | 0.67924 | 1.29805 | 1.67469 | 2.00665 | 2.40022 | 2.67373 | 3.25451 |
| 53 | 0.67915 | 1.29773 | 1.67412 | 2.00575 | 2.39879 | 2.67182 | 3.25127 |
| 54 | 0.67906 | 1.29743 | 1.67356 | 2.00488 | 2.39741 | 2.66998 | 3.24815 |
| 55 | 0.67898 | 1.29713 | 1.67303 | 2.00404 | 2.39608 | 2.66822 | 3.24515 |
| 56 | 0.67890 | 1.29685 | 1.67252 | 2.00324 | 2.39480 | 2.66651 | 3.24226 |
| 57 | 0.67882 | 1.29658 | 1.67203 | 2.00247 | 2.39357 | 2.66487 | 3.23948 |
| 58 | 0.67874 | 1.29632 | 1.67155 | 2.00172 | 2.39238 | 2.66329 | 3.23680 |
| 59 | 0.67867 | 1.29607 | 1.67109 | 2.00100 | 2.39123 | 2.66176 | 3.23421 |
| 60 | 0.67860 | 1.29582 | 1.67065 | 2.00030 | 2.39012 | 2.66028 | 3.23171 |
| 61 | 0.67853 | 1.29558 | 1.67022 | 1.99962 | 2.38905 | 2.65886 | 3.22930 |
| 62 | 0.67847 | 1.29536 | 1.66980 | 1.99897 | 2.38801 | 2.65748 | 3.22696 |
| 63 | 0.67840 | 1.29513 | 1.66940 | 1.99834 | 2.38701 | 2.65615 | 3.22471 |
| 64 | 0.67834 | 1.29492 | 1.66901 | 1.99773 | 2.38604 | 2.65485 | 3.22253 |
| 65 | 0.67828 | 1.29471 | 1.66864 | 1.99714 | 2.38510 | 2.65360 | 3.22041 |
| 66 | 0.67823 | 1.29451 | 1.66827 | 1.99656 | 2.38419 | 2.65239 | 3.21837 |
| 67 | 0.67817 | 1.29432 | 1.66792 | 1.99601 | 2.38330 | 2.65122 | 3.21639 |
| 68 | 0.67811 | 1.29413 | 1.66757 | 1.99547 | 2.38245 | 2.65008 | 3.21446 |
| 69 | 0.67806 | 1.29394 | 1.66724 | 1.99495 | 2.38161 | 2.64898 | 3.21260 |
| 70 | 0.67801 | 1.29376 | 1.66691 | 1.99444 | 2.38081 | 2.64790 | 3.21079 |
| 71 | 0.67796 | 1.29359 | 1.66660 | 1.99394 | 2.38002 | 2.64686 | 3.20903 |
| 72 | 0.67791 | 1.29342 | 1.66629 | 1.99346 | 2.37926 | 2.64585 | 3.20733 |
| 73 | 0.67787 | 1.29326 | 1.66600 | 1.99300 | 2.37852 | 2.64487 | 3.20567 |
| 74 | 0.67782 | 1.29310 | 1.66571 | 1.99254 | 2.37780 | 2.64391 | 3.20406 |
| 75 | 0.67778 | 1.29294 | 1.66543 | 1.99210 | 2.37710 | 2.64298 | 3.20249 |
| 76 | 0.67773 | 1.29279 | 1.66515 | 1.99167 | 2.37642 | 2.64208 | 3.20096 |
| 77 | 0.67769 | 1.29264 | 1.66488 | 1.99125 | 2.37576 | 2.64120 | 3.19948 |
| 78 | 0.67765 | 1.29250 | 1.66462 | 1.99085 | 2.37511 | 2.64034 | 3.19804 |
| 79 | 0.67761 | 1.29236 | 1.66437 | 1.99045 | 2.37448 | 2.63950 | 3.19663 |
| 80 | 0.67757 | 1.29222 | 1.66412 | 1.99006 | 2.37387 | 2.63869 | 3.19526 |

| | | | | | | | |
|-----|---------|---------|---------|---------|---------|---------|---------|
| 81 | 0.67753 | 1.29209 | 1.66388 | 1.98969 | 2.37327 | 2.63790 | 3.19392 |
| 82 | 0.67749 | 1.29196 | 1.66365 | 1.98932 | 2.37269 | 2.63712 | 3.19262 |
| 83 | 0.67746 | 1.29183 | 1.66342 | 1.98896 | 2.37212 | 2.63637 | 3.19135 |
| 84 | 0.67742 | 1.29171 | 1.66320 | 1.98861 | 2.37156 | 2.63563 | 3.19011 |
| 85 | 0.67739 | 1.29159 | 1.66298 | 1.98827 | 2.37102 | 2.63491 | 3.18890 |
| 86 | 0.67735 | 1.29147 | 1.66277 | 1.98793 | 2.37049 | 2.63421 | 3.18772 |
| 87 | 0.67732 | 1.29136 | 1.66256 | 1.98761 | 2.36998 | 2.63353 | 3.18657 |
| 88 | 0.67729 | 1.29125 | 1.66235 | 1.98729 | 2.36947 | 2.63286 | 3.18544 |
| 89 | 0.67726 | 1.29114 | 1.66216 | 1.98698 | 2.36898 | 2.63220 | 3.18434 |
| 90 | 0.67723 | 1.29103 | 1.66196 | 1.98667 | 2.36850 | 2.63157 | 3.18327 |
| 91 | 0.67720 | 1.29092 | 1.66177 | 1.98638 | 2.36803 | 2.63094 | 3.18222 |
| 92 | 0.67717 | 1.29082 | 1.66159 | 1.98609 | 2.36757 | 2.63033 | 3.18119 |
| 93 | 0.67714 | 1.29072 | 1.66140 | 1.98580 | 2.36712 | 2.62973 | 3.18019 |
| 94 | 0.67711 | 1.29062 | 1.66123 | 1.98552 | 2.36667 | 2.62915 | 3.17921 |
| 95 | 0.67708 | 1.29053 | 1.66105 | 1.98525 | 2.36624 | 2.62858 | 3.17825 |
| 96 | 0.67705 | 1.29043 | 1.66088 | 1.98498 | 2.36582 | 2.62802 | 3.17731 |
| 97 | 0.67703 | 1.29034 | 1.66071 | 1.98472 | 2.36541 | 2.62747 | 3.17639 |
| 98 | 0.67700 | 1.29025 | 1.66055 | 1.98447 | 2.36500 | 2.62693 | 3.17549 |
| 99 | 0.67698 | 1.29016 | 1.66039 | 1.98422 | 2.36461 | 2.62641 | 3.17460 |
| 100 | 0.67695 | 1.29007 | 1.66023 | 1.98397 | 2.36422 | 2.62589 | 3.17374 |
| 101 | 0.67693 | 1.28999 | 1.66008 | 1.98373 | 2.36384 | 2.62539 | 3.17289 |
| 102 | 0.67690 | 1.28991 | 1.65993 | 1.98350 | 2.36346 | 2.62489 | 3.17206 |
| 103 | 0.67688 | 1.28982 | 1.65978 | 1.98326 | 2.36310 | 2.62441 | 3.17125 |
| 104 | 0.67686 | 1.28974 | 1.65964 | 1.98304 | 2.36274 | 2.62393 | 3.17045 |
| 105 | 0.67683 | 1.28967 | 1.65950 | 1.98282 | 2.36239 | 2.62347 | 3.16967 |
| 106 | 0.67681 | 1.28959 | 1.65936 | 1.98260 | 2.36204 | 2.62301 | 3.16890 |
| 107 | 0.67679 | 1.28951 | 1.65922 | 1.98238 | 2.36170 | 2.62256 | 3.16815 |
| 108 | 0.67677 | 1.28944 | 1.65909 | 1.98217 | 2.36137 | 2.62212 | 3.16741 |
| 109 | 0.67675 | 1.28937 | 1.65895 | 1.98197 | 2.36105 | 2.62169 | 3.16669 |
| 110 | 0.67673 | 1.28930 | 1.65882 | 1.98177 | 2.36073 | 2.62126 | 3.16598 |
| 111 | 0.67671 | 1.28922 | 1.65870 | 1.98157 | 2.36041 | 2.62085 | 3.16528 |
| 112 | 0.67669 | 1.28916 | 1.65857 | 1.98137 | 2.36010 | 2.62044 | 3.16460 |
| 113 | 0.67667 | 1.28909 | 1.65845 | 1.98118 | 2.35980 | 2.62004 | 3.16392 |
| 114 | 0.67665 | 1.28902 | 1.65833 | 1.98099 | 2.35950 | 2.61964 | 3.16326 |
| 115 | 0.67663 | 1.28896 | 1.65821 | 1.98081 | 2.35921 | 2.61926 | 3.16262 |
| 116 | 0.67661 | 1.28889 | 1.65810 | 1.98063 | 2.35892 | 2.61888 | 3.16198 |
| 117 | 0.67659 | 1.28883 | 1.65798 | 1.98045 | 2.35864 | 2.61850 | 3.16135 |
| 118 | 0.67657 | 1.28877 | 1.65787 | 1.98027 | 2.35837 | 2.61814 | 3.16074 |
| 119 | 0.67656 | 1.28871 | 1.65776 | 1.98010 | 2.35809 | 2.61778 | 3.16013 |
| 120 | 0.67654 | 1.28865 | 1.65765 | 1.97993 | 2.35782 | 2.61742 | 3.15954 |
| 121 | 0.67652 | 1.28859 | 1.65754 | 1.97976 | 2.35756 | 2.61707 | 3.15895 |
| 122 | 0.67651 | 1.28853 | 1.65744 | 1.97960 | 2.35730 | 2.61673 | 3.15838 |
| 123 | 0.67649 | 1.28847 | 1.65734 | 1.97944 | 2.35705 | 2.61639 | 3.15781 |
| 124 | 0.67647 | 1.28842 | 1.65723 | 1.97928 | 2.35680 | 2.61606 | 3.15726 |
| 125 | 0.67646 | 1.28836 | 1.65714 | 1.97912 | 2.35655 | 2.61573 | 3.15671 |
| 126 | 0.67644 | 1.28831 | 1.65704 | 1.97897 | 2.35631 | 2.61541 | 3.15617 |
| 127 | 0.67643 | 1.28825 | 1.65694 | 1.97882 | 2.35607 | 2.61510 | 3.15565 |
| 128 | 0.67641 | 1.28820 | 1.65685 | 1.97867 | 2.35583 | 2.61478 | 3.15512 |
| 129 | 0.67640 | 1.28815 | 1.65675 | 1.97852 | 2.35560 | 2.61448 | 3.15461 |
| 130 | 0.67638 | 1.28810 | 1.65666 | 1.97838 | 2.35537 | 2.61418 | 3.15411 |
| 131 | 0.67637 | 1.28805 | 1.65657 | 1.97824 | 2.35515 | 2.61388 | 3.15361 |
| 132 | 0.67635 | 1.28800 | 1.65648 | 1.97810 | 2.35493 | 2.61359 | 3.15312 |
| 133 | 0.67634 | 1.28795 | 1.65639 | 1.97796 | 2.35471 | 2.61330 | 3.15264 |
| 134 | 0.67633 | 1.28790 | 1.65630 | 1.97783 | 2.35450 | 2.61302 | 3.15217 |
| 135 | 0.67631 | 1.28785 | 1.65622 | 1.97769 | 2.35429 | 2.61274 | 3.15170 |
| 136 | 0.67630 | 1.28781 | 1.65613 | 1.97756 | 2.35408 | 2.61246 | 3.15124 |
| 137 | 0.67628 | 1.28776 | 1.65605 | 1.97743 | 2.35387 | 2.61219 | 3.15079 |
| 138 | 0.67627 | 1.28772 | 1.65597 | 1.97730 | 2.35367 | 2.61193 | 3.15034 |
| 139 | 0.67626 | 1.28767 | 1.65589 | 1.97718 | 2.35347 | 2.61166 | 3.14990 |
| 140 | 0.67625 | 1.28763 | 1.65581 | 1.97705 | 2.35328 | 2.61140 | 3.14947 |
| 141 | 0.67623 | 1.28758 | 1.65573 | 1.97693 | 2.35309 | 2.61115 | 3.14904 |
| 142 | 0.67622 | 1.28754 | 1.65566 | 1.97681 | 2.35289 | 2.61090 | 3.14862 |
| 143 | 0.67621 | 1.28750 | 1.65558 | 1.97669 | 2.35271 | 2.61065 | 3.14820 |
| 144 | 0.67620 | 1.28746 | 1.65550 | 1.97658 | 2.35252 | 2.61040 | 3.14779 |
| 145 | 0.67619 | 1.28742 | 1.65543 | 1.97646 | 2.35234 | 2.61016 | 3.14739 |
| 146 | 0.67617 | 1.28738 | 1.65536 | 1.97635 | 2.35216 | 2.60992 | 3.14699 |
| 147 | 0.67616 | 1.28734 | 1.65529 | 1.97623 | 2.35198 | 2.60969 | 3.14660 |
| 148 | 0.67615 | 1.28730 | 1.65521 | 1.97612 | 2.35181 | 2.60946 | 3.14621 |
| 149 | 0.67614 | 1.28726 | 1.65514 | 1.97601 | 2.35163 | 2.60923 | 3.14583 |
| 150 | 0.67613 | 1.28722 | 1.65508 | 1.97591 | 2.35146 | 2.60900 | 3.14545 |

| | | | | | | | |
|-----|---------|---------|---------|---------|---------|---------|---------|
| 151 | 0.67612 | 1.28718 | 1.65501 | 1.97580 | 2.35130 | 2.60878 | 3.14508 |
| 152 | 0.67611 | 1.28715 | 1.65494 | 1.97569 | 2.35113 | 2.60856 | 3.14471 |
| 153 | 0.67610 | 1.28711 | 1.65487 | 1.97559 | 2.35097 | 2.60834 | 3.14435 |
| 154 | 0.67609 | 1.28707 | 1.65481 | 1.97549 | 2.35081 | 2.60813 | 3.14400 |
| 155 | 0.67608 | 1.28704 | 1.65474 | 1.97539 | 2.35065 | 2.60792 | 3.14364 |
| 156 | 0.67607 | 1.28700 | 1.65468 | 1.97529 | 2.35049 | 2.60771 | 3.14330 |
| 157 | 0.67606 | 1.28697 | 1.65462 | 1.97519 | 2.35033 | 2.60751 | 3.14295 |
| 158 | 0.67605 | 1.28693 | 1.65455 | 1.97509 | 2.35018 | 2.60730 | 3.14261 |
| 159 | 0.67604 | 1.28690 | 1.65449 | 1.97500 | 2.35003 | 2.60710 | 3.14228 |
| 160 | 0.67603 | 1.28687 | 1.65443 | 1.97490 | 2.34988 | 2.60691 | 3.14195 |
| 161 | 0.67602 | 1.28683 | 1.65437 | 1.97481 | 2.34973 | 2.60671 | 3.14162 |
| 162 | 0.67601 | 1.28680 | 1.65431 | 1.97472 | 2.34959 | 2.60652 | 3.14130 |
| 163 | 0.67600 | 1.28677 | 1.65426 | 1.97462 | 2.34944 | 2.60633 | 3.14098 |
| 164 | 0.67599 | 1.28673 | 1.65420 | 1.97453 | 2.34930 | 2.60614 | 3.14067 |
| 165 | 0.67598 | 1.28670 | 1.65414 | 1.97445 | 2.34916 | 2.60595 | 3.14036 |
| 166 | 0.67597 | 1.28667 | 1.65408 | 1.97436 | 2.34902 | 2.60577 | 3.14005 |
| 167 | 0.67596 | 1.28664 | 1.65403 | 1.97427 | 2.34888 | 2.60559 | 3.13975 |
| 168 | 0.67595 | 1.28661 | 1.65397 | 1.97419 | 2.34875 | 2.60541 | 3.13945 |
| 169 | 0.67594 | 1.28658 | 1.65392 | 1.97410 | 2.34862 | 2.60523 | 3.13915 |
| 170 | 0.67594 | 1.28655 | 1.65387 | 1.97402 | 2.34848 | 2.60506 | 3.13886 |
| 171 | 0.67593 | 1.28652 | 1.65381 | 1.97393 | 2.34835 | 2.60489 | 3.13857 |
| 172 | 0.67592 | 1.28649 | 1.65376 | 1.97385 | 2.34822 | 2.60471 | 3.13829 |
| 173 | 0.67591 | 1.28646 | 1.65371 | 1.97377 | 2.34810 | 2.60455 | 3.13801 |
| 174 | 0.67590 | 1.28644 | 1.65366 | 1.97369 | 2.34797 | 2.60438 | 3.13773 |
| 175 | 0.67589 | 1.28641 | 1.65361 | 1.97361 | 2.34784 | 2.60421 | 3.13745 |
| 176 | 0.67589 | 1.28638 | 1.65356 | 1.97353 | 2.34772 | 2.60405 | 3.13718 |
| 177 | 0.67588 | 1.28635 | 1.65351 | 1.97346 | 2.34760 | 2.60389 | 3.13691 |
| 178 | 0.67587 | 1.28633 | 1.65346 | 1.97338 | 2.34748 | 2.60373 | 3.13665 |
| 179 | 0.67586 | 1.28630 | 1.65341 | 1.97331 | 2.34736 | 2.60357 | 3.13638 |
| 180 | 0.67586 | 1.28627 | 1.65336 | 1.97323 | 2.34724 | 2.60342 | 3.13612 |
| 181 | 0.67585 | 1.28625 | 1.65332 | 1.97316 | 2.34713 | 2.60326 | 3.13587 |
| 182 | 0.67584 | 1.28622 | 1.65327 | 1.97308 | 2.34701 | 2.60311 | 3.13561 |
| 183 | 0.67583 | 1.28619 | 1.65322 | 1.97301 | 2.34690 | 2.60296 | 3.13536 |
| 184 | 0.67583 | 1.28617 | 1.65318 | 1.97294 | 2.34678 | 2.60281 | 3.13511 |
| 185 | 0.67582 | 1.28614 | 1.65313 | 1.97287 | 2.34667 | 2.60267 | 3.13487 |
| 186 | 0.67581 | 1.28612 | 1.65309 | 1.97280 | 2.34656 | 2.60252 | 3.13463 |
| 187 | 0.67580 | 1.28610 | 1.65304 | 1.97273 | 2.34645 | 2.60238 | 3.13438 |
| 188 | 0.67580 | 1.28607 | 1.65300 | 1.97266 | 2.34635 | 2.60223 | 3.13415 |
| 189 | 0.67579 | 1.28605 | 1.65296 | 1.97260 | 2.34624 | 2.60209 | 3.13391 |
| 190 | 0.67578 | 1.28602 | 1.65291 | 1.97253 | 2.34613 | 2.60195 | 3.13368 |
| 191 | 0.67578 | 1.28600 | 1.65287 | 1.97246 | 2.34603 | 2.60181 | 3.13345 |
| 192 | 0.67577 | 1.28598 | 1.65283 | 1.97240 | 2.34593 | 2.60168 | 3.13322 |
| 193 | 0.67576 | 1.28595 | 1.65279 | 1.97233 | 2.34582 | 2.60154 | 3.13299 |
| 194 | 0.67576 | 1.28593 | 1.65275 | 1.97227 | 2.34572 | 2.60141 | 3.13277 |
| 195 | 0.67575 | 1.28591 | 1.65271 | 1.97220 | 2.34562 | 2.60128 | 3.13255 |
| 196 | 0.67574 | 1.28589 | 1.65267 | 1.97214 | 2.34552 | 2.60115 | 3.13233 |
| 197 | 0.67574 | 1.28586 | 1.65263 | 1.97208 | 2.34543 | 2.60102 | 3.13212 |
| 198 | 0.67573 | 1.28584 | 1.65259 | 1.97202 | 2.34533 | 2.60089 | 3.13190 |
| 199 | 0.67572 | 1.28582 | 1.65255 | 1.97196 | 2.34523 | 2.60076 | 3.13169 |
| 200 | 0.67572 | 1.28580 | 1.65251 | 1.97190 | 2.34514 | 2.60063 | 3.13148 |

TABEL *PRODUCT MOMENT* (R)

Tabel r untuk df
df = (N-2)

Tingkat signifikansi untuk uji
satu arah

| | 0.05 | 0.025 | 0.01 | 0.005 | 0.0005 |
|---|---|--------|--------|--------|--------|
| | Tingkat signifikansi untuk uji dua arah | | | | |
| | 0.1 | 0.05 | 0.02 | 0.01 | 0.001 |
| 1 | 0.9877 | 0.9969 | 0.9995 | 0.9999 | 1.0000 |
| 2 | 0.9000 | 0.9500 | 0.9800 | 0.9900 | 0.9990 |
| 3 | 0.8054 | 0.8783 | 0.9343 | 0.9587 | 0.9911 |
| 4 | 0.7293 | 0.8114 | 0.8822 | 0.9172 | 0.9741 |
| 5 | 0.6694 | 0.7545 | 0.8329 | 0.8745 | 0.9509 |
| 6 | 0.6215 | 0.7067 | 0.7887 | 0.8343 | 0.9249 |

| | | | | | |
|----|--------|--------|--------|--------|--------|
| 7 | 0.5822 | 0.6664 | 0.7498 | 0.7977 | 0.8983 |
| 8 | 0.5494 | 0.6319 | 0.7155 | 0.7646 | 0.8721 |
| 9 | 0.5214 | 0.6021 | 0.6851 | 0.7348 | 0.8470 |
| 10 | 0.4973 | 0.5760 | 0.6581 | 0.7079 | 0.8233 |
| 11 | 0.4762 | 0.5529 | 0.6339 | 0.6835 | 0.8010 |
| 12 | 0.4575 | 0.5324 | 0.6120 | 0.6614 | 0.7800 |
| 13 | 0.4409 | 0.5140 | 0.5923 | 0.6411 | 0.7604 |
| 14 | 0.4259 | 0.4973 | 0.5742 | 0.6226 | 0.7419 |
| 15 | 0.4124 | 0.4821 | 0.5577 | 0.6055 | 0.7247 |
| 16 | 0.4000 | 0.4683 | 0.5425 | 0.5897 | 0.7084 |
| 17 | 0.3887 | 0.4555 | 0.5285 | 0.5751 | 0.6932 |
| 18 | 0.3783 | 0.4438 | 0.5155 | 0.5614 | 0.6788 |
| 19 | 0.3687 | 0.4329 | 0.5034 | 0.5487 | 0.6652 |
| 20 | 0.3598 | 0.4227 | 0.4921 | 0.5368 | 0.6524 |
| 21 | 0.3515 | 0.4132 | 0.4815 | 0.5256 | 0.6402 |
| 22 | 0.3438 | 0.4044 | 0.4716 | 0.5151 | 0.6287 |
| 23 | 0.3365 | 0.3961 | 0.4622 | 0.5052 | 0.6178 |
| 24 | 0.3297 | 0.3882 | 0.4534 | 0.4958 | 0.6074 |
| 25 | 0.3233 | 0.3809 | 0.4451 | 0.4869 | 0.5974 |
| 26 | 0.3172 | 0.3739 | 0.4372 | 0.4785 | 0.5880 |
| 27 | 0.3115 | 0.3673 | 0.4297 | 0.4705 | 0.5790 |
| 28 | 0.3061 | 0.3610 | 0.4226 | 0.4629 | 0.5703 |
| 29 | 0.3009 | 0.3550 | 0.4158 | 0.4556 | 0.5620 |
| 30 | 0.2960 | 0.3494 | 0.4093 | 0.4487 | 0.5541 |
| 31 | 0.2913 | 0.3440 | 0.4032 | 0.4421 | 0.5465 |
| 32 | 0.2869 | 0.3388 | 0.3972 | 0.4357 | 0.5392 |
| 33 | 0.2826 | 0.3338 | 0.3916 | 0.4296 | 0.5322 |
| 34 | 0.2785 | 0.3291 | 0.3862 | 0.4238 | 0.5254 |
| 35 | 0.2746 | 0.3246 | 0.3810 | 0.4182 | 0.5189 |
| 36 | 0.2709 | 0.3202 | 0.3760 | 0.4128 | 0.5126 |
| 37 | 0.2673 | 0.3160 | 0.3712 | 0.4076 | 0.5066 |
| 38 | 0.2638 | 0.3120 | 0.3665 | 0.4026 | 0.5007 |
| 39 | 0.2605 | 0.3081 | 0.3621 | 0.3978 | 0.4950 |
| 40 | 0.2573 | 0.3044 | 0.3578 | 0.3932 | 0.4896 |
| 41 | 0.2542 | 0.3008 | 0.3536 | 0.3887 | 0.4843 |
| 42 | 0.2512 | 0.2973 | 0.3496 | 0.3843 | 0.4791 |
| 43 | 0.2483 | 0.2940 | 0.3457 | 0.3801 | 0.4742 |
| 44 | 0.2455 | 0.2907 | 0.3420 | 0.3761 | 0.4694 |
| 45 | 0.2429 | 0.2876 | 0.3384 | 0.3721 | 0.4647 |
| 46 | 0.2403 | 0.2845 | 0.3348 | 0.3683 | 0.4601 |
| 47 | 0.2377 | 0.2816 | 0.3314 | 0.3646 | 0.4557 |
| 48 | 0.2353 | 0.2787 | 0.3281 | 0.3610 | 0.4514 |
| 49 | 0.2329 | 0.2759 | 0.3249 | 0.3575 | 0.4473 |
| 50 | 0.2306 | 0.2732 | 0.3218 | 0.3542 | 0.4432 |
| 51 | 0.2284 | 0.2706 | 0.3188 | 0.3509 | 0.4393 |
| 52 | 0.2262 | 0.2681 | 0.3158 | 0.3477 | 0.4354 |
| 53 | 0.2241 | 0.2656 | 0.3129 | 0.3445 | 0.4317 |
| 54 | 0.2221 | 0.2632 | 0.3102 | 0.3415 | 0.4280 |
| 55 | 0.2201 | 0.2609 | 0.3074 | 0.3385 | 0.4244 |
| 56 | 0.2181 | 0.2586 | 0.3048 | 0.3357 | 0.4210 |
| 57 | 0.2162 | 0.2564 | 0.3022 | 0.3328 | 0.4176 |
| 58 | 0.2144 | 0.2542 | 0.2997 | 0.3301 | 0.4143 |
| 59 | 0.2126 | 0.2521 | 0.2972 | 0.3274 | 0.4110 |
| 60 | 0.2108 | 0.2500 | 0.2948 | 0.3248 | 0.4079 |
| 61 | 0.2091 | 0.2480 | 0.2925 | 0.3223 | 0.4048 |
| 62 | 0.2075 | 0.2461 | 0.2902 | 0.3198 | 0.4018 |

| | | | | | |
|------------|--------|--------|--------|--------|--------|
| 63 | 0.2058 | 0.2441 | 0.2880 | 0.3173 | 0.3988 |
| 64 | 0.2042 | 0.2423 | 0.2858 | 0.3150 | 0.3959 |
| 65 | 0.2027 | 0.2404 | 0.2837 | 0.3126 | 0.3931 |
| 66 | 0.2012 | 0.2387 | 0.2816 | 0.3104 | 0.3903 |
| 67 | 0.1997 | 0.2369 | 0.2796 | 0.3081 | 0.3876 |
| 68 | 0.1982 | 0.2352 | 0.2776 | 0.3060 | 0.3850 |
| 69 | 0.1968 | 0.2335 | 0.2756 | 0.3038 | 0.3823 |
| 70 | 0.1954 | 0.2319 | 0.2737 | 0.3017 | 0.3798 |
| 71 | 0.1940 | 0.2303 | 0.2718 | 0.2997 | 0.3773 |
| 72 | 0.1927 | 0.2287 | 0.2700 | 0.2977 | 0.3748 |
| 73 | 0.1914 | 0.2272 | 0.2682 | 0.2957 | 0.3724 |
| 74 | 0.1901 | 0.2257 | 0.2664 | 0.2938 | 0.3701 |
| 75 | 0.1888 | 0.2242 | 0.2647 | 0.2919 | 0.3678 |
| 76 | 0.1876 | 0.2227 | 0.2630 | 0.2900 | 0.3655 |
| 77 | 0.1864 | 0.2213 | 0.2613 | 0.2882 | 0.3633 |
| 78 | 0.1852 | 0.2199 | 0.2597 | 0.2864 | 0.3611 |
| 79 | 0.1841 | 0.2185 | 0.2581 | 0.2847 | 0.3589 |
| 80 | 0.1829 | 0.2172 | 0.2565 | 0.2830 | 0.3568 |
| 81 | 0.1818 | 0.2159 | 0.2550 | 0.2813 | 0.3547 |
| 82 | 0.1807 | 0.2146 | 0.2535 | 0.2796 | 0.3527 |
| 83 | 0.1796 | 0.2133 | 0.2520 | 0.2780 | 0.3507 |
| 84 | 0.1786 | 0.2120 | 0.2505 | 0.2764 | 0.3487 |
| 85 | 0.1775 | 0.2108 | 0.2491 | 0.2748 | 0.3468 |
| 86 | 0.1765 | 0.2096 | 0.2477 | 0.2732 | 0.3449 |
| 87 | 0.1755 | 0.2084 | 0.2463 | 0.2717 | 0.3430 |
| 88 | 0.1745 | 0.2072 | 0.2449 | 0.2702 | 0.3412 |
| 89 | 0.1735 | 0.2061 | 0.2435 | 0.2687 | 0.3393 |
| 90 | 0.1726 | 0.2050 | 0.2422 | 0.2673 | 0.3375 |
| 91 | 0.1716 | 0.2039 | 0.2409 | 0.2659 | 0.3358 |
| 92 | 0.1707 | 0.2028 | 0.2396 | 0.2645 | 0.3341 |
| 93 | 0.1698 | 0.2017 | 0.2384 | 0.2631 | 0.3323 |
| 94 | 0.1689 | 0.2006 | 0.2371 | 0.2617 | 0.3307 |
| 95 | 0.1680 | 0.1996 | 0.2359 | 0.2604 | 0.3290 |
| 96 | 0.1671 | 0.1986 | 0.2347 | 0.2591 | 0.3274 |
| 97 | 0.1663 | 0.1975 | 0.2335 | 0.2578 | 0.3258 |
| 98 | 0.1654 | 0.1966 | 0.2324 | 0.2565 | 0.3242 |
| 99 | 0.1646 | 0.1956 | 0.2312 | 0.2552 | 0.3226 |
| 100 | 0.1638 | 0.1946 | 0.2301 | 0.2540 | 0.3211 |
| 101 | 0.1630 | 0.1937 | 0.2290 | 0.2528 | 0.3196 |
| 102 | 0.1622 | 0.1927 | 0.2279 | 0.2515 | 0.3181 |
| 103 | 0.1614 | 0.1918 | 0.2268 | 0.2504 | 0.3166 |
| 104 | 0.1606 | 0.1909 | 0.2257 | 0.2492 | 0.3152 |
| 105 | 0.1599 | 0.1900 | 0.2247 | 0.2480 | 0.3137 |
| 106 | 0.1591 | 0.1891 | 0.2236 | 0.2469 | 0.3123 |
| 107 | 0.1584 | 0.1882 | 0.2226 | 0.2458 | 0.3109 |
| 108 | 0.1576 | 0.1874 | 0.2216 | 0.2446 | 0.3095 |
| 109 | 0.1569 | 0.1865 | 0.2206 | 0.2436 | 0.3082 |
| 110 | 0.1562 | 0.1857 | 0.2196 | 0.2425 | 0.3068 |
| 111 | 0.1555 | 0.1848 | 0.2186 | 0.2414 | 0.3055 |
| 112 | 0.1548 | 0.1840 | 0.2177 | 0.2403 | 0.3042 |
| 113 | 0.1541 | 0.1832 | 0.2167 | 0.2393 | 0.3029 |
| 114 | 0.1535 | 0.1824 | 0.2158 | 0.2383 | 0.3016 |
| 115 | 0.1528 | 0.1816 | 0.2149 | 0.2373 | 0.3004 |
| 116 | 0.1522 | 0.1809 | 0.2139 | 0.2363 | 0.2991 |
| 117 | 0.1515 | 0.1801 | 0.2131 | 0.2353 | 0.2979 |
| 118 | 0.1509 | 0.1793 | 0.2122 | 0.2343 | 0.2967 |

| | | | | | |
|------------|--------|--------|--------|--------|--------|
| 119 | 0.1502 | 0.1786 | 0.2113 | 0.2333 | 0.2955 |
| 120 | 0.1496 | 0.1779 | 0.2104 | 0.2324 | 0.2943 |
| 121 | 0.1490 | 0.1771 | 0.2096 | 0.2315 | 0.2931 |
| 122 | 0.1484 | 0.1764 | 0.2087 | 0.2305 | 0.2920 |
| 123 | 0.1478 | 0.1757 | 0.2079 | 0.2296 | 0.2908 |
| 124 | 0.1472 | 0.1750 | 0.2071 | 0.2287 | 0.2897 |
| 125 | 0.1466 | 0.1743 | 0.2062 | 0.2278 | 0.2886 |
| 126 | 0.1460 | 0.1736 | 0.2054 | 0.2269 | 0.2875 |
| 127 | 0.1455 | 0.1729 | 0.2046 | 0.2260 | 0.2864 |
| 128 | 0.1449 | 0.1723 | 0.2039 | 0.2252 | 0.2853 |
| 129 | 0.1443 | 0.1716 | 0.2031 | 0.2243 | 0.2843 |
| 130 | 0.1438 | 0.1710 | 0.2023 | 0.2235 | 0.2832 |
| 131 | 0.1432 | 0.1703 | 0.2015 | 0.2226 | 0.2822 |
| 132 | 0.1427 | 0.1697 | 0.2008 | 0.2218 | 0.2811 |
| 133 | 0.1422 | 0.1690 | 0.2001 | 0.2210 | 0.2801 |
| 134 | 0.1416 | 0.1684 | 0.1993 | 0.2202 | 0.2791 |
| 135 | 0.1411 | 0.1678 | 0.1986 | 0.2194 | 0.2781 |
| 136 | 0.1406 | 0.1672 | 0.1979 | 0.2186 | 0.2771 |
| 137 | 0.1401 | 0.1666 | 0.1972 | 0.2178 | 0.2761 |
| 138 | 0.1396 | 0.1660 | 0.1965 | 0.2170 | 0.2752 |
| 139 | 0.1391 | 0.1654 | 0.1958 | 0.2163 | 0.2742 |
| 140 | 0.1386 | 0.1648 | 0.1951 | 0.2155 | 0.2733 |
| 141 | 0.1381 | 0.1642 | 0.1944 | 0.2148 | 0.2723 |
| 142 | 0.1376 | 0.1637 | 0.1937 | 0.2140 | 0.2714 |
| 143 | 0.1371 | 0.1631 | 0.1930 | 0.2133 | 0.2705 |
| 144 | 0.1367 | 0.1625 | 0.1924 | 0.2126 | 0.2696 |
| 145 | 0.1362 | 0.1620 | 0.1917 | 0.2118 | 0.2687 |
| 146 | 0.1357 | 0.1614 | 0.1911 | 0.2111 | 0.2678 |
| 147 | 0.1353 | 0.1609 | 0.1904 | 0.2104 | 0.2669 |
| 148 | 0.1348 | 0.1603 | 0.1898 | 0.2097 | 0.2660 |
| 149 | 0.1344 | 0.1598 | 0.1892 | 0.2090 | 0.2652 |
| 150 | 0.1339 | 0.1593 | 0.1886 | 0.2083 | 0.2643 |