



**PROGRAM STUDI ADMINISTRASI BISNIS  
FAKULTAS ILMU SOSIAL ILMU POLITIK  
UNIVERSITAS YUDHARTA PASURUAN  
FORMULIR ISIAN SURVEI RESPONDEN**

FORMULIR

**Petunjuk Pengisian**

Bpk/Ibu/Sdr sesuai dengan yang Bpk/Ibu/Sdr ketahui, berilah penilaian terhadap diri anda sendiri dengan jujur dan apa adanya berdasarkan pertanyaan dibawah ini dengan cara memberi *check list* (√) pada kolom dengan keterangan sebagai berikut.

Beri tanda √ pada jawaban yang dipilih

**KARAKTERISTIK UMUM RESPONDEN**

1. Nama:

.....

2. Jenis Kelamin:

- ( ) Laki-laki  
( ) Perempuan

3. Usia anda saat ini:

- ( ) 18-20 Tahun                      ( ) 31-40 Tahun                      ( ) >51 Tahun  
( ) 21-30 Tahun                      ( ) 41-50 Tahun

4. Pendidikan terakhir anda:

- ( ) SD                                      ( ) SMA/SMK                              ( ) Sarjana/S1  
( ) SMP                                      ( ) Diploma                              ( ) S2/S3

5. Pekerjaan:

- ( ) Mahasiswa/Mahasiswi              ( ) 2 ASN/PNS                              ( ) Lainnya: .....  
( ) Pegawai Swasta                      ( ) 3 Wiraswasta

6. Lama menjadi konsumen MS Glow:

- ( ) < 1 Tahun                              ( ) 2-3 Tahun  
( ) 1-2 Tahun                              ( ) >3 Tahun

7. Jumlah uang saku/pendapatan perbulan:

- ( ) Rp. < 1.000.000  
( ) Rp. 1.000.000 – 4.000.000  
( ) Rp. 4.000.000 – 8.000.000  
( ) Rp. > 8.000.000

## KUESIONER PENELITIAN

### PENGARUH BRAND IMAGE DALAM MEMEDIASI PENGARUH INOVASI PRODUK DAN KUALITAS TERHADAP LOYALITAS KONSUMEN

(Studi Kasus Terhadap Pengguna Produk MS Glow Di Kecamatan Pandaan)

**Petunjuk:**

Berilah penilaian berdasarkan pertanyaan dibawah ini dengan cara memberi *check list* (√) pada kotak jawaban yang tersedia dan pilih salah satu jawaban. Pilihlah jawaban yang tersedia yaitu:

<b>SS</b>	<b>S</b>	<b>TT</b>	<b>KS</b>	<b>TS</b>
<b>SANGAT SETUJU</b>	<b>SETUJU</b>	<b>TIDAK TAHU</b>	<b>KURANG SETUJU</b>	<b>TIDAK SETUJU</b>

**I. Inovasi Produk (X1)**

NO	ITEM PERNYATAAN	SS	S	TT	KS	TS
1	Varian dan ukuran produk MS Glow merupakan produk yang belum pernah di buat oleh produk dan pasar lainya					
2	Varian dan ukuran produk MS Glow mempunyai ciri khas yang belum ada pada produk lainya					
3	MS Glow memungkinkan untuk masuk dalam persaingan pasar yang telah ada					
4	MS Glow memberikan pilihan pada konsumen untuk menentukan pembelian secara offline di klinik atau secara online pada Agen dan Reseller resmi yang tersebar di seluruh Indonesia					
5	MS Glow memberikan varian dan ukuran produk pada konsumen untuk menentukan pilihan					
6	Perbaikan dan evaluasi MS Glow selalu dilakukan untuk meningkatkan kualitasnya					
7	Perbaikan dan evaluasi yang dilakukan MS Glow dapat meningkatkan nilai lebih dari produk sebelumnya					
8	MS Glow berupaya untuk mengembangkan pasar baru dalam dunia kosmetik dan perawatan					
9	Riset dan pengembangan produk MS Glow dapat meningkatkan volume penjualan					
10	MS Glow berupaya menekan biaya untuk menghasilkan produk yang mempunyai daya saing harga					
11	MS Glow membuat varian unik dengan harga murah dengan kualitas yang baik					

## II. Kualitas Produk (X2)

NO	ITEM PERNYATAAN	SS	S	TT	KS	TS
12	Produk MS Glow mampu memberikan hasil dari pengguna produk seperti yang diinginkan					
13	MS Glow mampu menjaga produk tetap steril sehingga keawetan serta daya tahan produk terjamin					
14	Produk MS Glow di sesuaikan berdasarkan jenis kulit dan kebutuhan konsumen					
15	Komposisi produk MS Glow mengandung bahan alami					
16	Produk MS Glow aman sehingga bebas dari efek samping penggunaan produk dan man digunakan untuk ibu hamil dan menyusui					
17	Produk MS Glow dikemas dengan kemasan yang menarik dan unik					
18	Produk MS Glow memiliki aroma khas alami dan natural serta tahan lama					

## III. Brand Image (Y)

NO	ITEM PERNYATAAN	SS	S	TT	KS	TS
19	Kemasan MS Glow tidak mudah rusak					
20	MS Glow mempromosikan produknya melalui periklanan di media sosial yang menarik dan mudah di pahami					
21	MS Glow memiliki berbagai macam tipe dan produk unggulan					
22	MS Glow selalu menampilkan desain kemasan unik sehingga menarik konsumen					
23	MS Glow dapat digunakan oleh kalangan remaja, dewasa dan orang tua					
24	Klinik MS Glow dapat ditemukan di Kota Besar, Namun Agen dan Reseller resmi tersebar diseluruh Indonesia					
25	Harga MS Glow sangat terjangkau untuk semua lapisan masyarakat					
26	Kebutuhan perawatan tubuh saya dapat terpenuhi dengan menggunakan MS Glow					

#### IV. Loyalitas Konsumen (Z)

NO	ITEM PERNYATAAN	SS	S	TT	KS	TS
27	Saya tidak akan pindah ke produk lain karena MS Glow memiliki beberapa varian pilihan					
28	Saya akan datang kembali untuk membeli produk ini					
29	MS Glow memiliki ciri khas aroma yang berbeda dari produk lain					
30	MS Glow menggunakan bahan yang aman dan nyaman untuk kulit					
31	Saya menyarankan dan mempromosikan kepada orang lain untuk membeli MS Glow					
32	Saya puas dengan kualitas MS Glow yang sesuai dengan harga					

Terima kasih atas waktu dan ketersediaanya mengisi formulir kuesioner penelitian saya, dan dengan hasil penelitian ini bisa bermanfaat untuk penelitian selanjutnya















Lampiran 3 (Tabel Nilai Z Distribusi Normal)

**Beberapa Nilai Z untuk  
Perhitungan Ukuran Sampel**

$\alpha = 0.01$	$Z_{\alpha/2} = 2.58$	$Z_{\alpha} = 2.33$
$\alpha = 0.05$	$Z_{\alpha/2} = 1.96$	$Z_{\alpha} = 1.64$
$\alpha = 0.10$	$Z_{\alpha/2} = 1.64$	$Z_{\alpha} = 1.28$
$1 - \beta = 0.70$	$Z_{\beta} = 0.52$	
$1 - \beta = 0.80$	$Z_{\beta} = 0.84$	
$1 - \beta = 0.90$	$Z_{\beta} = 1.28$	

## Lampiran 4 (Karakteristik Responden)

Your temporary usage period for IBM SPSS Statistics will expire in 5618 days.

NEW FILE.

DATASET NAME DataSet1 WINDOW=FRONT.

SAVE OUTFILE='D:\Tabulasi.sav'  
/COMPRESSED.

DATASET ACTIVATE DataSet1.

SAVE OUTFILE='D:\Tabulasi.sav'  
/COMPRESSED.

FREQUENCIES VARIABLES=Nama Gender Usia Pendidikan Pekerjaan Konsumen  
Pendapatan  
/ORDER=ANALYSIS.

### Frequencies

		Statistics						
		Nama	Gender	Usia	Pendidikan	Pekerjaan	Konsumen	Pendapatan
N	Valid	115	115	115	115	115	115	115
	Missing	0	0	0	0	0	0	0

### Frequency Table

		Nama			Cumulative
		Frequency	Percent	Valid Percent	Percent
Valid	Adela Moreno	1	.9	.9	.9
	Agit Graha	1	.9	.9	1.7
	Ahmad arip	1	.9	.9	2.6
	Alvi adkhadiyah	1	.9	.9	3.5
	Amel Fatma	1	.9	.9	4.3
	Ananda Firdausi	1	.9	.9	5.2
	Andika Arief	1	.9	.9	6.1
	Anggun dwi putri bunga	1	.9	.9	7.0
	Ani Rohmatul Khasanah	1	.9	.9	7.8
	Anindya Werdhini	1	.9	.9	8.7
	Aprilingtyas Uswatun K	1	.9	.9	9.6
	Apriliyani	1	.9	.9	10.4
	Asmarika Putri	1	.9	.9	11.3
	Darmawan Putra	1	.9	.9	12.2
	Devi Anggraini	1	.9	.9	13.0
	Dita Syafitri	1	.9	.9	13.9
	Duwi anggraini	1	.9	.9	14.8
	Eka Andriani	1	.9	.9	15.7

Elisa	1	.9	.9	16.5
Elissa Rahman	1	.9	.9	17.4
Endang ismawati	1	.9	.9	18.3
Eva nur diana dewi	1	.9	.9	19.1
Eva Nurhana	1	.9	.9	20.0
Eva Triani	1	.9	.9	20.9
Fery Safudin	1	.9	.9	21.7
Fifi Amelia	1	.9	.9	22.6
Fitri Annisa	1	.9	.9	23.5
Fitri firdausi nuzula	1	.9	.9	24.3
Fitrianti Nurrahmah	1	.9	.9	25.2
Haifa Ramadhani	1	.9	.9	26.1
Hanin Puspita	1	.9	.9	27.0
Ika	1	.9	.9	27.8
Ika wahyuni	1	.9	.9	28.7
Indira Rahma	1	.9	.9	29.6
Irma Lydia	1	.9	.9	30.4
Isabel	1	.9	.9	31.3
Isnaini	2	1.7	1.7	33.0
Khanifah munawaroh	1	.9	.9	33.9
Khoirunnisa	1	.9	.9	34.8
Laila Nurhuda	1	.9	.9	35.7
Lailatul mufidah	1	.9	.9	36.5
Lidya Furi Handayani	1	.9	.9	37.4
Lilian Rahma Ananda	1	.9	.9	38.3
Lis indriani	1	.9	.9	39.1
Lutfiati azzah	1	.9	.9	40.0
M. Alri Pratama	1	.9	.9	40.9
M. Hadi sulistiawan	1	.9	.9	41.7
M. Irgan	1	.9	.9	42.6
Maria ulfa	1	.9	.9	43.5
Maya Hanifaturrohmah	1	.9	.9	44.3
Meydatul afiyah	1	.9	.9	45.2
Miftahkuh Ulum	1	.9	.9	46.1
Mila mahfudho	1	.9	.9	47.0
Mita sofia tur rohmawati	1	.9	.9	47.8
Musticharoh	1	.9	.9	48.7
Mutimatul Khabibah	1	.9	.9	49.6
Nadya Rezala	1	.9	.9	50.4
Nila Shefina	1	.9	.9	51.3

Ninik winarti	1	.9	.9	52.2
Nis zendriawan	1	.9	.9	53.0
Nisak	1	.9	.9	53.9
Niswatin	1	.9	.9	54.8
Nur Aini	1	.9	.9	55.7
Nur aisyah	1	.9	.9	56.5
Nur Fitriyah	1	.9	.9	57.4
Nur hasanah	1	.9	.9	58.3
Nur Ramadhani	1	.9	.9	59.1
Nuraini Khamidah	1	.9	.9	60.0
Nurmaula yulia yasmi	1	.9	.9	60.9
Puput Rachmawati	1	.9	.9	61.7
Putri Indriani	1	.9	.9	62.6
Putri Sulaiman	1	.9	.9	63.5
Putri Yasid	1	.9	.9	64.3
Raisa	1	.9	.9	65.2
Ratih Amalia	1	.9	.9	66.1
Ratnawati	1	.9	.9	67.0
Ricatus Zuhro	1	.9	.9	67.8
Ridwan Hamzah	1	.9	.9	68.7
Ridya Vian	1	.9	.9	69.6
Rini anjarwati	1	.9	.9	70.4
Rintiani	1	.9	.9	71.3
Risqi Alfiah	1	.9	.9	72.2
Rizki Yanara	1	.9	.9	73.0
Rizqi zahrotul izza	1	.9	.9	73.9
Rochman Syarif	1	.9	.9	74.8
Rochmatul Izzah	1	.9	.9	75.7
Rosita Sari	1	.9	.9	76.5
Rudy Efendy	1	.9	.9	77.4
Say muvid	1	.9	.9	78.3
Selfi Jasmitha	1	.9	.9	79.1
Septi	1	.9	.9	80.0
Shafira Nuraini	1	.9	.9	80.9
Shinta	1	.9	.9	81.7
Shokawati	1	.9	.9	82.6
Sinta dwi agustina	1	.9	.9	83.5
Siti maslakha	1	.9	.9	84.3
Siti mudrikah	1	.9	.9	85.2
Siti Nur Ajizah Apriliyani	1	.9	.9	86.1

Sri Purbowati	1	.9	.9	87.0
Subhan Amin	1	.9	.9	87.8
Suci Iestari	1	.9	.9	88.7
Suci rachmawati	1	.9	.9	89.6
Surya Pratama	1	.9	.9	90.4
Sutri Utami	1	.9	.9	91.3
Syarifa Nuraini	1	.9	.9	92.2
Taufinda	1	.9	.9	93.0
Titi wijayanti	1	.9	.9	93.9
Undik triyono	1	.9	.9	94.8
Venna melinda	1	.9	.9	95.7
Wicaksono	1	.9	.9	96.5
Wisnu Wahyu nenganto	1	.9	.9	97.4
Zaynul anwar	1	.9	.9	98.3
Zuhria	1	.9	.9	99.1
Zuhrotul Wachidah	1	.9	.9	100.0
Total	115	100.0	100.0	

### Gender

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Laki-Laki	15	13.0	13.0	13.0
	Perempuan	100	87.0	87.0	100.0
	Total	115	100.0	100.0	

### Usia

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	18-20 Tahun	5	4.3	4.3	4.3
	21-30 Tahun	96	83.5	83.5	87.8
	31-40 Tahun	14	12.2	12.2	100.0
	Total	115	100.0	100.0	

### Pendidikan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	SMA/SMK	88	76.5	76.5	76.5
	Diploma	1	.9	.9	77.4
	Sarjana/S1	26	22.6	22.6	100.0
	Total	115	100.0	100.0	

### Pekerjaan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Mahasiswa	11	9.6	9.6	9.6
	Pegawai Swasta	50	43.5	43.5	53.0
	ASN/PNS	2	1.7	1.7	54.8
	Wiraswasta	36	31.3	31.3	86.1
	Ibu RUmah Tangga	16	13.9	13.9	100.0
	Total	115	100.0	100.0	

### Konsumen

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	<1 Tahun	0	0	0	0
	1-2 Tahun	98	64.3	64.3	85.2
	2-3 Tahun	15	13.0	13.0	98.3
	>3 Tahun	2	1.7	1.7	100.0
	Total	115	100.0	100.0	

### Pendapatan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Rp. <1.000000	7	6.1	6.1	6.1
	Rp. 1.000000 - 4.000000	72	62.6	62.6	68.7
	Rp. 4.000000 - 8.000000	33	28.7	28.7	97.4
	Rp. >8.000000	3	2.6	2.6	100.0
	Total	115	100.0	100.0	



## Lampiran 5 (Uji Validitas)

Your temporary usage period for IBM SPSS Statistics will expire in 5618 days.

```
NEW FILE.
DATASET NAME DataSet1 WINDOW=FRONT.
CORRELATIONS
/VARIABLES=X1.1 X1.2 X1.3 X1.4 X1.5 X1.6 X1.7 X1.8 X1.9 X1.10 X1.11
JumlahX1
/PRINT=TWOTAIL NOSIG
/MISSING=PAIRWISE.
```

### Correlations

#### Correlations

		X1.1	X1.2	X1.3	X1.4	X1.5	X1.6	X1.7	X1.8	X1.9	X1.10	X1.11	Inovasi Produk (X1)
X1.1	Pearson Correlation	1	.290**	.334**	.175	.106	.199*	.207*	.274**	.392**	.244**	.207*	.521**
	Sig. (2-tailed)		.002	.000	.061	.261	.033	.027	.003	.000	.009	.027	.000
	N	115	115	115	115	115	115	115	115	115	115	115	115
X1.2	Pearson Correlation	.290**	1	.441**	.233*	.090	.342**	.130	.380**	.082	.409**	.356**	.569**
	Sig. (2-tailed)	.002		.000	.012	.337	.000	.166	.000	.382	.000	.000	.000
	N	115	115	115	115	115	115	115	115	115	115	115	115
X1.3	Pearson Correlation	.334**	.441**	1	.190*	.370**	.562**	.202*	.661**	.400**	.465**	.274**	.764**
	Sig. (2-tailed)	.000	.000		.042	.000	.000	.030	.000	.000	.000	.003	.000
	N	115	115	115	115	115	115	115	115	115	115	115	115
X1.4	Pearson Correlation	.175	.233*	.190*	1	.384**	.256**	.123	.378**	.025	.259**	.386**	.499**
	Sig. (2-tailed)	.061	.012	.042		.000	.006	.191	.000	.791	.005	.000	.000
	N	115	115	115	115	115	115	115	115	115	115	115	115
X1.5	Pearson Correlation	.106	.090	.370**	.384**	1	.214*	.269*	.312**	.302**	.178	.152	.502**
	Sig. (2-tailed)	.261	.337	.000	.000		.022	.004	.001	.001	.058	.105	.000
	N	115	115	115	115	115	115	115	115	115	115	115	115
X1.6	Pearson Correlation	.199*	.342**	.562**	.256**	.214*	1	-.017	.433**	.300**	.547**	.262**	.646**
	Sig. (2-tailed)	.033	.000	.000	.006	.022		.859	.000	.001	.000	.005	.000
	N	115	115	115	115	115	115	115	115	115	115	115	115
X1.7	Pearson Correlation	.207*	.130	.202*	.123	.269**	-.017	1	.236*	.213*	.200*	.373**	.407**
	Sig. (2-tailed)	.027	.166	.030	.191	.004	.859		.011	.022	.032	.000	.000
	N	115	115	115	115	115	115	115	115	115	115	115	115
X1.8	Pearson Correlation	.274**	.380**	.661**	.378**	.312**	.433**	.236*	1	.441**	.453**	.289**	.749**
	Sig. (2-tailed)	.003	.000	.000	.000	.001	.000	.011		.000	.000	.002	.000



	Sig. (2-tailed)	.000	.037	.000		.083	.583	.195	.000
	N	115	115	115	115	115	115	115	115
X2.16	Pearson Correlation	.290**	.134	.050	.163	1	.027	.039	.408**
	Sig. (2-tailed)	.002	.154	.593	.083		.777	.676	.000
	N	115	115	115	115	115	115	115	115
X2.17	Pearson Correlation	.113	.326**	.357**	.052	.027	1	.356**	.605**
	Sig. (2-tailed)	.230	.000	.000	.583	.777		.000	.000
	N	115	115	115	115	115	115	115	115
X2.18	Pearson Correlation	.070	.335**	.358**	.122	.039	.356**	1	.573**
	Sig. (2-tailed)	.459	.000	.000	.195	.676	.000		.000
	N	115	115	115	115	115	115	115	115
Kualitas Produk (X2)	Pearson Correlation	.566**	.626**	.604**	.563**	.408**	.605**	.573**	1
	Sig. (2-tailed)	.000	.000	.000	.000	.000	.000	.000	.000
	N	115	115	115	115	115	115	115	115

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

\* . Correlation is significant at the 0.05 level (2-tailed).

#### CORRELATIONS

```

/VARIABLES=Y1.19 Y1.20 Y1.21 Y1.22 Y1.23 Y1.24 Y1.25 Y1.26 JumlahY1
/PRINT=TWOTAIL NOSIG
/MISSING=PAIRWISE.

```

## Correlations

### Correlations

		Y1.19	Y1.20	Y1.21	Y1.22	Y1.23	Y1.24	Y1.25	Y1.26	Brand Image (Y1)
Y1.19	Pearson Correlation	1	.194*	.149	.389**	-.080	.318**	.396**	.288**	.626**
	Sig. (2-tailed)		.037	.112	.000	.400	.001	.000	.002	.000
	N	115	115	115	115	113	115	115	115	115
Y1.20	Pearson Correlation	.194*	1	.466**	.350**	.261**	.294**	.305**	.244**	.641**
	Sig. (2-tailed)	.037		.000	.000	.005	.001	.001	.009	.000
	N	115	115	115	115	113	115	115	115	115
Y1.21	Pearson Correlation	.149	.466**	1	.346**	.241*	.347**	.113	.101	.557**
	Sig. (2-tailed)	.112	.000		.000	.010	.000	.230	.282	.000
	N	115	115	115	115	113	115	115	115	115
Y1.22	Pearson Correlation	.389**	.350**	.346**	1	.136	.295**	.451**	.040	.621**
	Sig. (2-tailed)	.000	.000	.000		.151	.001	.000	.670	.000
	N	115	115	115	115	113	115	115	115	115



Y2.32	Pearson Correlation	.225*	.457**	.330**	.252**	.192*	1	.590**
	Sig. (2-tailed)	.015	.000	.000	.007	.040		.000
	N	115	115	115	115	115	115	115
Loyalit as Konsu men (Y2)	Pearson Correlation	.620**	.799**	.732**	.588**	.681**	.590**	1
	Sig. (2-tailed)	.000	.000	.000	.000	.000	.000	
	N	115	115	115	115	115	115	115

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

\* . Correlation is significant at the 0.05 level (2-tailed).

## Lampiran 6 (Uji Realibilitas)

```
RELIABILITY  
  /VARIABLES=X1.1 X1.2 X1.3 X1.4 X1.5 X1.6 X1.7 X1.8 X1.9 X1.10 X1.11  
  /SCALE('ALL VARIABLES') ALL  
  /MODEL=ALPHA.
```

### Reliability

#### Scale: ALL VARIABLES

##### Case Processing Summary

		N	%
Cases	Valid	115	100.0
	Excluded <sup>a</sup>	0	.0
	Total	115	100.0

a. Listwise deletion based on all variables in the procedure.

##### Reliability Statistics (X1)

Cronbach's Alpha	N of Items
0.826	11

```
RELIABILITY  
  /VARIABLES=X2.12 X2.13 X2.14 X2.15 X2.16 X2.17 X2.18  
  /SCALE('ALL VARIABLES') ALL  
  /MODEL=ALPHA.
```

### Reliability

#### Scale: ALL VARIABLES

##### Case Processing Summary

		N	%
Cases	Valid	115	100.0
	Excluded <sup>a</sup>	0	.0
	Total	115	100.0

a. Listwise deletion based on all variables in the procedure.

##### Reliability Statistics (X2)

Cronbach's Alpha	N of Items
0.643	7

```

RELIABILITY
/VARIABLES=Y1.19 Y1.20 Y1.21 Y1.22 Y1.23 Y1.24 Y1.25 Y1.26
/SCALE('ALL VARIABLES') ALL
/MODEL=ALPHA.

```

**Reliability**  
**Scale: ALL VARIABLES**

**Case Processing Summary**

		N	%
Cases	Valid	113	98.3
	Excluded <sup>a</sup>	2	1.7
	Total	115	100.0

a. Listwise deletion based on all variables in the procedure.

**Reliability Statistics (Y1)**

Cronbach's Alpha	N of Items
0.724	8

```

RELIABILITY
/VARIABLES=Y2.27 Y2.28 Y2.29 Y2.30 Y2.31 Y2.32
/SCALE('ALL VARIABLES') ALL
/MODEL=ALPHA.

```

**Reliability**  
**Scale: ALL VARIABLES**

**Case Processing Summary**

		N	%
Cases	Valid	115	100.0
	Excluded <sup>a</sup>	0	.0
	Total	115	100.0

a. Listwise deletion based on all variables in the procedure.

**Reliability Statistics (Y2)**

Cronbach's Alpha	N of Items
0.756	6

## Lampiran 7 (R Tabel)

d.f	T tabel	R tabel
	0.05	0.05
1	12.7062047	0.99691733
2	4.30265273	0.95
3	3.18244631	0.87833945
4	2.77644511	0.81140135
5	2.57058184	0.75449223
6	2.44691185	0.7067344
7	2.36462425	0.66638361
8	2.30600414	0.63189686
9	2.26215716	0.60206878
10	2.22813885	0.57598299
11	2.20098516	0.55294266
12	2.17881283	0.5324128
13	2.16036866	0.51397748
14	2.14478669	0.49730904
15	2.13144955	0.48214602
16	2.1199053	0.46827731
17	2.10981558	0.45553051
18	2.10092204	0.4437634
19	2.09302405	0.43285756
20	2.08596345	0.4227135
21	2.07961384	0.41324703
22	2.07387307	0.40438632
23	2.06865761	0.39606973
24	2.06389856	0.388244
25	2.05953855	0.38086286
26	2.05552944	0.37388591
27	2.05183052	0.36727768
28	2.04840714	0.36100691
29	2.04522964	0.35504589
30	2.04227246	0.34937001
31	2.03951345	0.34395729
32	2.03693334	0.33878805
33	2.0345153	0.33384462
34	2.03224451	0.32911104
35	2.03010793	0.32457292
36	2.028094	0.32021717
37	2.02619246	0.31603193
38	2.02439416	0.31200637

d.f	T tabel	R tabel
	0.05	0.05
39	2.02269092	0.3081306
40	2.02107539	0.30439558
41	2.01954097	0.300793
42	2.0180817	0.29731521
43	2.0166922	0.2939552
44	2.01536757	0.29070645
45	2.01410339	0.28756298
46	2.0128956	0.28451923
47	2.01174051	0.28157003
48	2.01063476	0.27871059
49	2.00957524	0.27593646
50	2.00855911	0.27324348
51	2.00758377	0.27062778
52	2.00664681	0.26808572
53	2.005746	0.26561392
54	2.00487929	0.26320921
55	2.00404478	0.26086861
56	2.00324072	0.25858931
57	2.00246546	0.25636869
58	2.00171748	0.25420429
59	2.00099538	0.25209375
60	2.00029782	0.2500349
61	1.99962358	0.24802565
62	1.99897152	0.24606405
63	1.99834054	0.24414824
64	1.99772965	0.24227647
65	1.99713791	0.24044708
66	1.99656442	0.23865385
67	1.99600835	0.23690922
68	1.99546893	0.23519784
69	1.99494542	0.233523
70	1.99443711	0.23188342
71	1.99394337	0.23027789
72	1.99346357	0.22870523
73	1.99299713	0.22716435
74	1.9925435	0.22565419
75	1.99210215	0.22417374
76	1.99167261	0.22272204
77	1.9912544	0.22129818
78	1.99084707	0.21990126
79	1.99045021	0.21853047

d.f	T tabel	R tabel
	0.05	0.05
80	1.99006342	0.21718498
81	1.98968632	0.21586404
82	1.98931856	0.21456669
83	1.98895978	0.21329286
84	1.98860967	0.21204124
85	1.98826791	0.2108114
86	1.98793421	0.2096027
87	1.98760828	0.20841455
88	1.98728986	0.20724638
89	1.9869787	0.20609763
90	1.98667454	0.20496776
91	1.98637715	0.20385627
92	1.98608632	0.20276266
93	1.98580181	0.20168647
94	1.98552344	0.20062722
95	1.985251	0.19958449
96	1.98498431	0.19855785
97	1.98472319	0.19754688
98	1.98446745	0.1965512
99	1.98421695	0.19557041
100	1.98397152	0.19460417
101	1.983731	0.1936521
102	1.98349526	0.19271386
103	1.98326414	0.19178914
104	1.98303753	0.19087759
105	1.98281527	0.18997891
106	1.98259726	0.18909281
107	1.98238337	0.18821899
108	1.98217348	0.18735717
109	1.98196749	0.18650708
110	1.98176528	0.18566846
111	1.98156676	0.18484105
112	1.98137181	0.18402459
113	1.98118036	0.18321886





Missing	0	0	0	0	2	0	0	0	0
Mean	4.19	4.63	4.52	4.23	4.62	4.40	4.31	4.43	35.25
Std. Error of Mean	.060	.047	.047	.051	.048	.056	.061	.055	.263
Median	4.00	5.00	5.00	4.00	5.00	4.00	4.00	4.00	36.00
Mode	4	5	5	4	5	4	4	4	36
Std. Deviation	.647	.504	.502	.551	.506	.604	.654	.593	2.822
Variance	.419	.254	.252	.304	.256	.365	.427	.352	7.962
Range	3	2	1	2	2	3	3	3	16
Minimum	2	3	4	3	3	2	2	2	24
Maximum	5	5	5	5	5	5	5	5	40
Sum	482	532	520	487	522	506	496	509	4054

### Statistics

		Y2.27	Y2.28	Y2.29	Y2.30	Y2.31	Y2.32	Loyalitas Konsumen (Y2)
N	Valid	115	115	115	115	115	115	115
	Missing	0	0	0	0	0	0	0
Mean		4.30	4.35	4.29	4.50	4.37	4.49	26.28
Std. Error of Mean		.054	.055	.059	.047	.056	.047	.214
Median		4.00	4.00	4.00	4.00	4.00	4.00	27.00
Mode		4	4	4	4	4	4	27
Std. Deviation		.577	.593	.632	.502	.597	.502	2.292
Variance		.333	.352	.399	.252	.357	.252	5.255
Range		3	3	3	1	3	1	11
Minimum		2	2	2	4	2	4	19
Maximum		5	5	5	5	5	5	30
Sum		494	500	493	517	502	516	3022

## Lampiran 9 (Uji Normalitas)

NPAR TESTS

/K-S (NORMAL) =RES\_1

/MISSING ANALYSIS.

### One-Sample Kolmogorov-Smirnov Test

		Unstandardized Residual
N		115
Normal Parameters <sup>a,b</sup>	Mean	.0000000
	Std. Deviation	1.33643609
Most Extreme Differences	Absolute	.074
	Positive	.070
	Negative	-.074
Test Statistic		.074
Asymp. Sig. (2-tailed)		.184 <sup>c</sup>

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

NPAR TESTS

/K-S (NORMAL) =RES\_1

/MISSING ANALYSIS.

### One-Sample Kolmogorov-Smirnov Test

		Unstandardized Residual
N		115
Normal Parameters <sup>a,b</sup>	Mean	.0000000
	Std. Deviation	1.70220421
Most Extreme Differences	Absolute	.069
	Positive	.052
	Negative	-.069
Test Statistic		.069
Asymp. Sig. (2-tailed)		.200 <sup>c</sup>

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

## Lampiran 10 (Uji Linieritas)

```
MEANS TABLES=Y BY X1 X2
  /CELLS=MEAN COUNT STDDEV
  /STATISTICS LINEARITY.
```

### Brand Image \* Inovasi Produk

ANOVA Table

			Sum of Squares	df	Mean Square	F	Sig.
Brand Image * Inovasi Produk	Between Groups	(Combined)	505.861	15	33.724	8.309	.000
		Linearity	450.368	1	450.368	110.959	.000
		Deviation from Linearity	55.492	14	3.964	.977	.483
	Within Groups		401.826	99	4.059		
	Total		907.687	114			

### Brand Image \* Kualitas Produk

ANOVA Table

			Sum of Squares	df	Mean Square	F	Sig.
Brand Image * Kualitas Produk	Between Groups	(Combined)	668.880	10	66.888	29.130	.000
		Linearity	552.345	1	552.345	240.546	.000
		Deviation from Linearity	116.535	9	12.948	5.639	.000
	Within Groups		238.807	104	2.296		
	Total		907.687	114			

```
MEANS TABLES=Z BY X1 X2 Y1
  /CELLS=MEAN COUNT STDDEV
  /STATISTICS LINEARITY.
```

### Loyalitas Konsumen \* Inovasi Produk

ANOVA Table

			Sum of Squares	df	Mean Square	F	Sig.
Loyalitas Konsumen * Inovasi Produk	Between Groups	(Combined)	299.220	15	19.948	6.586	.000
		Linearity	180.954	1	180.954	59.740	.000
		Deviation from Linearity	118.266	14	8.448	2.789	.002
	Within Groups		299.876	99	3.029		
	Total		599.096	114			

## Loyalitas Konsumen \* Kualitas Produk

**ANOVA Table**

			Sum of Squares	df	Mean Square	F	Sig.
Loyalitas Konsumen * Kualitas Produk	Between Groups	(Combined)	301.974	10	30.197	10.570	.000
		Linearity	257.250	1	257.250	90.044	.000
		Deviation from Linearity	44.725	9	4.969	1.739	.089
	Within Groups		297.121	10	2.857		
				4			
Total		599.096	11				
				4			

## Loyalitas Konsumen \* Brand Image

**ANOVA Table**

			Sum of Squares	df	Mean Square	F	Sig.
Loyalitas Konsumen * Brand Image	Between Groups	(Combined)	355.173	12	29.598	12.377	.000
		Linearity	207.446	1	207.446	86.747	.000
		Deviation from Linearity	147.728	11	13.430	5.616	.000
	Within Groups		243.922	10	2.391		
				2			
Total		599.096	11				
				4			

## Lampiran 11 (Analisis Jalur)

```

CORRELATIONS
/VARIABLES=X1 X2 Y1 Y2
/PRINT=TWOTAIL NOSIG
/MISSING=PAIRWISE.
  
```

### Correlations

		Inovasi Produk	Kualitas Produk	Brand Image	Loyalitas Konsumen
Inovasi Produk	Pearson Correlation	1	.742**	.728**	.586**
	Sig. (2-tailed)		.000	.000	.000
	N	115	115	115	115
Kualitas Produk	Pearson Correlation	.742**	1	.754**	.655**
	Sig. (2-tailed)	.000		.000	.000
	N	115	115	115	115
Brand Image	Pearson Correlation	.728**	.754**	1	.588**
	Sig. (2-tailed)	.000	.000		.000
	N	115	115	115	115
Loyalitas Konsumen	Pearson Correlation	.586**	.655**	.588**	1
	Sig. (2-tailed)	.000	.000	.000	
	N	115	115	115	115

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

## Regression

### Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.795 <sup>a</sup>	.632	.625	1.660

a. Predictors: (Constant), Kualitas Produk, Inovasi Produk

### ANOVA<sup>a</sup>

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	530.402	2	265.201	96.198	.000 <sup>b</sup>
	Residual	308.763	112	2.757		
	Total	839.165	114			

a. Dependent Variable: Brand Image

b. Predictors: (Constant), Kualitas Produk, Inovasi Produk

### Coefficients<sup>a</sup>

Model		Unstandardized Coefficients		Standardized	t	Sig.
		B	Std. Error	Coefficients Beta		
1	(Constant)	3.880	2.335		1.662	.099
	Inovasi Produk	.255	.058	.376	4.391	.000
	Kualitas Produk	.624	.112	.475	5.559	.000

a. Dependent Variable: Brand Image

## Regression

### Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.678 <sup>a</sup>	.460	.445	1.693

a. Predictors: (Constant), Brand Image, Inovasi Produk, Kualitas Produk

### ANOVA<sup>a</sup>

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	270.871	3	90.290	31.486	.000 <sup>b</sup>
	Residual	318.312	111	2.868		
	Total	589.183	114			

a. Dependent Variable: Loyalitas Konsumen

b. Predictors: (Constant), Brand Image, Inovasi Produk, Kualitas Produk

### Coefficients<sup>a</sup>

Model		Unstandardized Coefficients		Standardized	t	Sig.
		B	Std. Error	Coefficients Beta		
1	(Constant)	3.052	2.411		1.266	.208
	Inovasi Produk	.094	.064	.165	1.461	.147
	Kualitas Produk	.459	.129	.417	3.548	.001
	Brand Image	.128	.096	.153	1.332	.185

a. Dependent Variable: Loyalitas Konsumen

Lampiran 12 (T Tabel)

**TABEL NILAI KRITIS DISTRIBUSI T**

df	One-Tailed Test						
	0,25	0,10	0,05	0,025	0,01	0,005	0,001
	Two-Tailed Test						
	0,50	0,20	0,10	0,05	0,02	0,01	0,002
1	1,000000	3,077684	6,313752	12,706205	31,820516	63,656741	318,308839
2	0,816497	1,885618	2,919986	4,302653	6,964557	9,924843	22,327125
3	0,764892	1,637744	2,353363	3,182446	4,540703	5,840909	10,214532
4	0,740697	1,533206	2,131847	2,776445	3,746947	4,604095	7,173182
5	0,726687	1,475884	2,015048	2,570582	3,364930	4,032143	5,893430
6	0,717558	1,439756	1,943180	2,446912	3,142668	3,707428	5,207626
7	0,711142	1,414924	1,894579	2,364624	2,997952	3,499483	4,785290
8	0,706387	1,396815	1,859548	2,306004	2,896459	3,355387	4,500791
9	0,702722	1,383029	1,833113	2,262157	2,821438	3,249836	4,296806
10	0,699812	1,372184	1,812461	2,228139	2,763769	3,169273	4,143700
11	0,697445	1,363430	1,795885	2,200985	2,718079	3,105807	4,024701
12	0,695483	1,356217	1,782288	2,178813	2,680998	3,054540	3,929633
13	0,693829	1,350171	1,770933	2,160369	2,650309	3,012276	3,851982
14	0,692417	1,345030	1,761310	2,144787	2,624494	2,976843	3,787390
15	0,691197	1,340606	1,753050	2,131450	2,602480	2,946713	3,732834
16	0,690132	1,336757	1,745884	2,119905	2,583487	2,920782	3,686155
17	0,689195	1,333379	1,739607	2,109816	2,566934	2,898231	3,645767
18	0,688364	1,330391	1,734064	2,100922	2,552380	2,878440	3,610485
19	0,687621	1,327728	1,729133	2,093024	2,539483	2,860935	3,579400
20	0,686954	1,325341	1,724718	2,085963	2,527977	2,845340	3,551808
21	0,686352	1,323188	1,720743	2,079614	2,517648	2,831360	3,527154
22	0,685805	1,321237	1,717144	2,073873	2,508325	2,818756	3,504992
23	0,685306	1,319460	1,713872	2,068658	2,499867	2,807336	3,484964
24	0,684850	1,317836	1,710882	2,063899	2,492159	2,796940	3,466777
25	0,684430	1,316345	1,708141	2,059539	2,485107	2,787436	3,450189
26	0,684043	1,314972	1,705618	2,055529	2,478630	2,778715	3,434997
27	0,683685	1,313703	1,703288	2,051831	2,472660	2,770683	3,421034
28	0,683353	1,312527	1,701131	2,048407	2,467140	2,763262	3,408155
29	0,683044	1,311434	1,699127	2,045230	2,462021	2,756386	3,396240
30	0,682756	1,310415	1,697261	2,042272	2,457262	2,749996	3,385185
31	0,682486	1,309464	1,695519	2,039513	2,452824	2,744042	3,374899
32	0,682234	1,308573	1,693889	2,036933	2,448678	2,738481	3,365306
33	0,681997	1,307737	1,692360	2,034515	2,444794	2,733277	3,356337
34	0,681774	1,306952	1,690924	2,032245	2,441150	2,728394	3,347934
35	0,681564	1,306212	1,689572	2,030108	2,437723	2,723806	3,340045
36	0,681366	1,305514	1,688298	2,028094	2,434494	2,719485	3,332624
37	0,681178	1,304854	1,687094	2,026192	2,431447	2,715409	3,325631
38	0,681001	1,304230	1,685954	2,024394	2,428568	2,711558	3,319030
39	0,680833	1,303639	1,684875	2,022691	2,425841	2,707913	3,312788
40	0,680673	1,303077	1,683851	2,021075	2,423257	2,704459	3,306878



**TABEL NILAI KRITIS DISTRIBUSI T**

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

## TABEL NILAI KRITIS DISTRIBUSI T

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

## Lampiran 13 (F Tabel)

Titik Persentase Distribusi F untuk Probabilita = 0,05

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

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

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

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

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

