

LAMPIRAN

Lampiran 01: Kuesioner Pra Survey

Kepada Yth,
Saudara/i Responden
Pelanggan Shampo Sunsilk Hijab Recharge

Assalamualaikum Wr.Wb. Nama saya Ester Erina Talakua dari Universitas Esa Unggul Citra Raya Tangerang, Fakultas Ekonomi dan Bisnis jurusan Manajemen sedang melakukan penelitian skripsi dengan Judul Pengaruh Citra Merek, Kualitas Produk, dan Harga terhadap Loyalitas Pelanggan Melalui Kepuasan Pelanggan Sampo Sunsilk Hijab Recharge (Studi Kasus pada Mahasiswi Muslim di Universitas Esa Unggul Citra Raya Tangerang). Dalam hal ini saya butuh kesediaan teman-teman sekalian selaku pengguna produk shampo Sunsilk Hijab Recharge untuk mengisi kuisisioner berikut.

Pertanyaan-pertanyaannya :

1. Sudah berapa kalikah anda menggunakan Shampo Sunsilk Hijab Recharge?
 - a. > 2 kali
 - b. < 2 kali
2. Apakah anda mempercayai merek Sunsilk?
 - a. Percaya
 - b. Tidak Percaya
3. Menurut anda apakah manfaat yang dirasakan sesuai dengan kualitas produk yang ditawarkan?
 - a. Sesuai
 - b. Tidak Sesuai
4. Menurut anda apakah harga Shampo Sunsilk Hijab Recharge terjangkau?
 - a. Terjangkau
 - b. Tidak Terjangkau
5. Apakah anda akan tetap melakukan pembelian ulang terhadap sampo Sunsilk Hijab Refresh?
 - a. Ya
 - b. Tidak

LAMPIRAN 02 : Kuisisioner Penelitian

Kepada Yth,
Saudara/i
Pelanggan Sampo Sunsilk Hijab Recharge

Dengan hormat,

Sehubungan dengan kegiatan penelitian dalam rangka penyusunan skripsi pada Fakultas Ekonomi dan Bisnis Universitas Esa Unggul Citra Raya Tangerang dengan judul “Pengaruh Citra Merek, Kualitas Produk, dan Harga terhadap Loyalitas Pelanggan Melalui Kepuasan Pelanggan Sampo Sunsilk Hijab Recharge (Studi Kasus pada Mahasiswi Muslim di Universitas Esa Unggul Citra Raya Tangerang). Maka saya yang bertanda tangan di bawah ini :

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Saya mengharapkan kesediaan teman-teman sekalian untuk menjadi responden dalam penelitian saya, dengan cara mengisi daftar pernyataan sehubungan dengan penelitian. Atas waktu dan ketersediaan yang teman-teman berikan untuk mengisi kuisisioner ini, saya ucapkan terimakasih.

Hormat saya,

Ester Erina Talakua

A. IDENTITAS RESPONDEN

Usia : A. 17 – 20 Tahun
 B. 21 – 25 Tahun
 C. 26 – 30 Tahun
 D. > 30 Tahun

Frekuensi penggunaan selama seminggu : A. 2 – 3 kali
 B. 4 – 5 kali
 C. > 5 kali

Uang Saku per bulan : A. Rp. 500.000 – Rp. 1.000.000
 B. Rp. 1.100.000 – Rp. 2.000.000
 C. Rp. 2.100.000 – Rp. 3.000.000

B. TANGGAPAN RESPONDEN

Para responden yang saya hormati mohon memberi jawaban dengan memberi tanda (✓) pada jawaban yang menurut anda paling sesuai.

Keterangan sebagai berikut :

Pernyataan
Sangat Tidak Setuju (STS)
Tidak Setuju (TS)
Setuju (S)
Sangat Setuju (SS)

C. KUISIONER PENELITIAN

No	Pernyataan	Jawaban			
		STS	TS	S	SS
Citra Merek					
1	Merek Sunsilk dikenal oleh masyarakat				
2	Merek Sunsilk memiliki citra yang baik				
3	Merek Sunsilk mudah diingat				
4	Merek Sunsilk sangat menarik				
5	Merek Sunsilk banyak diminati				
6	Merek Sunsilk mudah diucapkan				

No	Pernyataan	Jawaban			
		STS	TS	S	SS
Kualitas Produk					
7	Produk Sunsilk Hijab Recharge mampu mengatasi rambut rontok				
8	Produk Sunsilk Hijab Recharge mampu menghilangkan ketombe				
9	Produk Sunsilk Hijab Recharge mampu mengatasi rambut lepek				
10	Produk Sunsilk Hijab Recharge dapat mengatasi aroma kepala yang tidak sedap				
11	Produk Sunsilk Hijab Recharge aman untuk kulit kepala dan rambut				
12	Terdapat informasi mengenai penggunaan produk				
13	Terdapat banyak varian pada produk sunsilk				
14	Produk sesuai dengan manfaat yang ditawarkan				
15	Sunsilk Hijab Recharge memiliki tekstur yang lembut				
16	Sunsilk Hijab Recharge nyaman digunakan setiap hari				
17	Wangi produk Sunsilk Hijab Recharge tahan lama				
18	Produk Sunsilk Hijab Recharge memiliki aroma yang unik				
19	Produk Sunsilk Hijab Recharge memiliki desain kemasan yang menarik				
Harga					
20	Harga produk Sunsilk Hijab Recharge terjangkau bagi daya beli konsumen				
21	Harga produk Sunsilk Hijab Recharge lebih murah dibanding merek lain				
22	Harga produk Sunsilk Hijab Recharge sesuai dengan kualitas produk yang dirasakan				
23	Harga produk Sunsilk Hijab Recharge sudah sesuai dengan ukuran atau kuantitas produk				

24	Harga Sunsilk Hijab Recharge mampu bersaing dengan baik di pasaran				
25	Harga Sunsilk Hijab Recharge berbeda dengan sampo lainnya sehingga dapat bersaing dengan produk lain				
Kepuasan Pelanggan					
26	Saya akan langsung memilih Sunsilk Hijab Recharge saat ingin melakukan pembelian				
27	Saya akan mencari informasi mengenai merek produk perawatan rambut Sunsilk				
28	Saya akan menyarankan teman-teman dan keluarga saya untuk menggunakan Sunsilk Hijab Recharge				
29	Saya akan menyampaikan hal-hal positif mengenai Sunsilk Hijab Recharge				
30	Saya akan membeli produk terbaru yang dikeluarkan oleh Sunsilk				
31	Saya tidak akan membeli shampo hijab yang ditawarkan oleh merek pesaing				
Loyalitas Pelanggan					
32	Saya selalu membeli ulang produk Sunsilk Hijab Recharge				
33	Saya selalu menggunakan Sunsilk Hijab Recharge setiap keramas				
34	Saya akan menggunakan varian perawatan rambut lain yang dikeluarkan oleh Sunsilk				
35	Saya akan menggunakan hijab series lainnya yang dikeluarkan oleh Sunsilk				
36	Saya tidak akan tergoda dengan promosi yang diberikan oleh produk sampo hijab lain				
37	Saya akan tetap menggunakan Sunsilk Hijab Recharge walaupun produk lain lebih murah				

Lampiran 03: Tabulasi Pre-Test 30 Responden**Tabulasi Pre-Test 30 Responden Citra Merek**

Responden	Citra Merek								Skor total
	1	2	3	4	5	6	7	8	
1	4	3	3	3	3	4	3	4	27
2	3	2	4	4	4	3	3	4	27
3	4	4	4	4	4	4	4	4	32
4	3	3	4	4	4	4	4	4	30
5	3	2	4	4	3	3	3	2	24
6	3	1	3	3	3	2	3	3	21
7	3	4	4	3	4	3	3	3	27
8	3	2	3	2	2	2	3	1	18
9	3	2	3	3	3	3	3	4	24
10	3	2	4	3	3	3	3	4	25
11	3	4	4	3	4	4	4	4	30
12	2	2	4	3	4	2	3	4	24
13	3	3	3	2	4	4	3	3	25
14	3	4	4	3	3	3	3	3	26
15	3	4	4	4	4	4	3	4	30
16	3	3	4	3	3	3	3	4	26
17	4	3	4	4	4	4	4	4	31
18	3	2	4	4	4	3	3	4	27
19	4	4	3	4	3	2	3	4	27
20	4	3	4	4	4	3	4	3	29
21	3	3	4	4	4	4	3	3	28
22	4	3	4	4	4	4	4	4	31
23	3	3	3	3	3	3	3	3	24
24	3	1	4	4	4	4	4	4	28
25	3	3	4	4	4	3	4	3	28
26	3	3	4	3	3	2	2	2	22
27	3	3	4	3	4	4	3	3	27
28	3	2	4	3	4	3	3	3	25
29	4	4	4	4	4	4	4	4	32
30	3	3	4	4	4	4	3	4	29

Tabulasi Pre-Test 30 Responden Kualitas Produk

Responden	Kualitas Produk													Skor Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	
1	3	3	3	4	4	4	4	4	4	4	3	3	4	47
2	2	3	4	4	4	3	4	2	3	3	4	4	3	43
3	4	3	3	4	4	4	4	4	4	3	2	4	4	47
4	2	2	2	2	2	3	4	2	3	1	4	2	4	33
5	2	2	3	3	3	3	3	2	3	3	3	3	3	36
6	1	1	1	3	3	3	3	3	1	1	1	3	3	27
7	3	3	3	3	3	3	3	3	3	2	3	3	4	39
8	3	2	3	2	3	2	2	2	3	2	2	3	3	32
9	2	2	2	3	3	2	3	3	3	3	3	2	2	33
10	2	3	3	1	4	3	2	3	3	2	3	4	3	36
11	3	4	4	3	3	3	3	3	3	3	3	3	3	41
12	2	2	2	3	3	2	3	3	3	2	2	2	3	32
13	3	2	3	4	3	3	3	3	3	3	4	4	4	42
14	3	3	3	4	3	4	3	3	4	4	3	4	4	45
15	2	1	2	3	2	2	3	1	2	2	3	3	2	28
16	4	3	3	4	3	4	4	4	4	4	4	4	4	49
17	4	4	4	4	4	4	4	4	4	2	3	4	4	49
18	2	2	2	3	3	2	4	2	2	2	2	3	2	31
19	3	3	2	3	3	3	2	4	3	2	4	3	3	38
20	3	3	4	4	4	3	4	4	4	4	4	4	4	49
21	3	3	3	4	3	3	4	4	3	4	3	4	4	45
22	3	3	4	4	4	4	4	4	3	3	3	3	3	45
23	3	3	3	3	3	3	3	3	3	3	3	3	3	39
24	2	1	1	2	4	1	2	2	2	2	4	2	2	27
25	3	3	3	3	3	3	4	4	4	3	3	3	4	43
26	2	2	2	2	3	2	2	2	2	2	2	3	3	30
27	3	3	3	3	3	3	3	3	3	3	3	3	4	40
28	2	3	3	3	3	3	3	3	3	3	2	3	2	36
29	4	4	4	4	4	4	4	4	4	4	4	4	4	52
30	3	2	4	3	4	3	4	3	3	4	4	3	4	44

Tabulasi Pre-Test 30 Responden Harga

Responden	Harga						Skor Total
	1	2	3	4	5	6	
1	4	3	4	4	2	4	21
2	4	3	3	3	3	3	19
3	4	3	4	4	3	2	20
4	4	4	4	4	4	2	22
5	3	2	3	3	2	2	15
6	3	2	3	3	3	1	15
7	3	3	3	3	2	2	16
8	2	3	3	2	3	2	15
9	3	3	3	3	3	2	17
10	2	3	2	4	3	2	16
11	3	3	3	3	4	3	19
12	4	2	3	3	2	2	16
13	3	3	3	3	3	3	18
14	3	3	3	4	4	4	21
15	3	1	2	3	3	1	13
16	4	4	4	4	4	4	24
17	4	3	4	3	4	4	22
18	2	2	2	2	2	1	11
19	3	2	2	3	2	3	15
20	3	3	4	4	2	3	19
21	4	3	3	3	3	3	19
22	4	3	4	3	4	2	20
23	3	3	3	3	3	3	18
24	4	2	4	2	1	1	14
25	4	3	4	3	3	3	20
26	3	2	2	2	2	2	13
27	4	4	4	3	3	2	20
28	3	2	3	3	3	2	16
29	4	4	4	4	4	4	24
30	4	3	4	4	2	2	19

Tabulasi Pre-Test 30 Responden Kepuasan Pelanggan

Responden	Kepuasan Pelanggan						Skor Total
	1	2	3	4	5	6	
1	3	3	3	4	4	3	20
2	3	3	3	3	3	3	18
3	2	2	3	3	3	3	16
4	4	4	2	3	3	1	17
5	3	3	3	3	2	2	16
6	3	4	1	3	1	1	13
7	3	3	3	3	3	1	16
8	2	3	3	3	2	3	16
9	3	3	2	3	2	2	15
10	3	4	2	3	2	1	15
11	4	3	3	4	3	1	18
12	2	2	2	2	2	2	12
13	3	3	4	4	3	3	20
14	3	3	3	3	3	3	18
15	2	2	1	2	1	3	11
16	4	4	4	4	3	3	22
17	4	4	4	4	4	4	24
18	2	1	1	3	2	1	10
19	2	3	3	2	4	3	17
20	3	2	3	3	2	2	15
21	3	4	3	3	3	3	19
22	3	3	3	4	4	4	21
23	3	3	3	3	3	3	18
24	1	2	1	1	2	2	9
25	3	3	3	3	4	2	18
26	2	2	2	2	2	2	12
27	3	3	3	3	3	3	18
28	3	2	2	2	2	2	13
29	4	4	4	4	4	4	24
30	4	3	2	3	3	2	17

Tabulasi Pre-Test 30 Responden Loyalitas Pelanggan

Responden	Loyalitas Pelanggan						Skor Total
	1	2	3	4	5	6	
1	3	3	4	3	3	3	19
2	3	3	3	3	3	2	17
3	2	2	3	3	3	3	16
4	1	1	2	4	2	2	12
5	2	2	3	2	2	2	13
6	1	1	3	2	1	1	9
7	2	2	2	3	1	2	12
8	2	3	3	3	3	2	16
9	3	2	2	2	2	2	13
10	4	4	2	4	2	3	19
11	3	3	3	3	3	3	18
12	2	2	2	2	2	2	12
13	4	3	4	3	3	4	21
14	4	3	4	3	3	3	20
15	2	2	3	2	4	1	14
16	3	3	4	4	3	3	20
17	4	4	4	4	3	4	23
18	2	1	1	2	1	2	9
19	2	4	3	3	3	2	17
20	3	2	2	3	2	2	14
21	3	3	3	3	4	3	19
22	3	2	4	2	2	2	15
23	3	3	3	3	3	3	18
24	1	1	1	4	1	3	11
25	3	3	3	3	2	2	16
26	2	1	2	1	1	2	9
27	2	3	3	3	2	3	16
28	2	2	2	2	2	2	12
29	4	4	4	4	4	4	24
30	2	2	3	2	2	2	13

Lampiran 04: Hasil Uji Validitas

Hasil Uji Validitas Citra Merek

Correlations

		Item_1	Item_2	Item_3	Item_4	Item_5	Item_6	Item_7	Item_8	Skor_total
Item_1	Pearson Correlation	1	.407*	-.099	.387*	.051	.327	.465**	.221	.526**
	Sig. (2-tailed)		.026	.602	.035	.791	.077	.010	.241	.003
	N	30	30	30	30	30	30	30	30	30
Item_2	Pearson Correlation	.407*	1	.168	.136	.210	.338	.177	.161	.554**
	Sig. (2-tailed)	.026		.375	.472	.265	.068	.350	.394	.001
	N	30	30	30	30	30	30	30	30	30
Item_3	Pearson Correlation	-.099	.168	1	.516**	.598**	.311	.287	.211	.529**
	Sig. (2-tailed)	.602	.375		.003	.000	.095	.124	.264	.003
	N	30	30	30	30	30	30	30	30	30
Item_4	Pearson Correlation	.387*	.136	.516**	1	.509**	.338	.479**	.453*	.700**
	Sig. (2-tailed)	.035	.472	.003		.004	.068	.007	.012	.000
	N	30	30	30	30	30	30	30	30	30
Item_5	Pearson Correlation	.051	.210	.598**	.509**	1	.596**	.494**	.491**	.741**
	Sig. (2-tailed)	.791	.265	.000	.004		.001	.006	.006	.000
	N	30	30	30	30	30	30	30	30	30
Item_6	Pearson Correlation	.327	.338	.311	.338	.596**	1	.525**	.454*	.763**
	Sig. (2-tailed)	.077	.068	.095	.068	.001		.003	.012	.000
	N	30	30	30	30	30	30	30	30	30
Item_7	Pearson Correlation	.465**	.177	.287	.479**	.494**	.525**	1	.388*	.700**
	Sig. (2-tailed)	.010	.350	.124	.007	.006	.003		.034	.000
	N	30	30	30	30	30	30	30	30	30
Item_8	Pearson Correlation	.221	.161	.211	.453*	.491**	.454*	.388*	1	.675**
	Sig. (2-tailed)	.241	.394	.264	.012	.006	.012	.034		.000
	N	30	30	30	30	30	30	30	30	30
Skor_total	Pearson Correlation	.526**	.554**	.529**	.700**	.741**	.763**	.700**	.675**	1
	Sig. (2-tailed)	.003	.001	.003	.000	.000	.000	.000	.000	
	N	30	30	30	30	30	30	30	30	30

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

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

Hasil Uji Validitas Kualitas Produk

Correlations

		Item_1	Item_2	Item_3	Item_4	Item_5	Item_6	Item_7	Item_8	Item_9	Item_10	Item_11	Item_12	Item_13	Skor_total
Item_1	Pearson Correlation	1	.701**	.631**	.532**	.347	.643**	.398*	.665**	.783**	.559**	.358	.540**	.656**	.833**
	Sig. (2-tailed)		.000	.000	.002	.060	.000	.029	.000	.000	.001	.052	.002	.000	.000
	N	30	30	30	30	30	30	30	30	30	30	30	30	30	30
Item_2	Pearson Correlation	.701**	1	.759**	.412*	.378*	.698**	.355	.668**	.733**	.482**	.231	.536**	.486**	.796**
	Sig. (2-tailed)	.000		.000	.024	.040	.000	.054	.000	.000	.007	.220	.002	.006	.000
	N	30	30	30	30	30	30	30	30	30	30	30	30	30	30
Item_3	Pearson Correlation	.631**	.759**	1	.463**	.486**	.622**	.491**	.431*	.665**	.628**	.354	.591**	.492**	.813**
	Sig. (2-tailed)	.000	.000		.010	.007	.000	.006	.018	.000	.000	.055	.001	.006	.000
	N	30	30	30	30	30	30	30	30	30	30	30	30	30	30
Item_4	Pearson Correlation	.532**	.412*	.463**	1	.264	.604**	.637**	.522**	.465**	.626**	.157	.532**	.435*	.708**
	Sig. (2-tailed)	.002	.024	.010		.158	.000	.000	.003	.010	.000	.408	.002	.016	.000
	N	30	30	30	30	30	30	30	30	30	30	30	30	30	30
Item_5	Pearson Correlation	.347	.378*	.486**	.264	1	.330	.229	.468**	.357	.386*	.200	.392*	.205	.521**
	Sig. (2-tailed)	.060	.040	.007	.158		.075	.223	.009	.053	.035	.290	.032	.277	.003
	N	30	30	30	30	30	30	30	30	30	30	30	30	30	30
Item_6	Pearson Correlation	.643**	.698**	.622**	.604**	.330	1	.565**	.691**	.674**	.491**	.169	.624**	.679**	.828**
	Sig. (2-tailed)	.000	.000	.000	.000	.075		.001	.000	.000	.006	.372	.000	.000	.000
	N	30	30	30	30	30	30	30	30	30	30	30	30	30	30
Item_7	Pearson Correlation	.398*	.355	.491**	.637**	.229	.565**	1	.424*	.471**	.460*	.215	.309	.473**	.642**
	Sig. (2-tailed)	.029	.054	.006	.000	.223	.001		.020	.009	.010	.253	.097	.008	.000
	N	30	30	30	30	30	30	30	30	30	30	30	30	30	30
Item_8	Pearson Correlation	.665**	.668**	.431*	.522**	.468**	.691**	.424*	1	.654**	.508**	.149	.415*	.579**	.764**
	Sig. (2-tailed)	.000	.000	.018	.003	.009	.000	.020		.000	.004	.433	.023	.001	.000
	N	30	30	30	30	30	30	30	30	30	30	30	30	30	30
Item_9	Pearson Correlation	.783**	.733**	.665**	.465**	.357	.674**	.471**	.654**	1	.647**	.400*	.463**	.647**	.851**
	Sig. (2-tailed)	.000	.000	.000	.010	.053	.000	.009	.000		.000	.029	.010	.000	.000
	N	30	30	30	30	30	30	30	30	30	30	30	30	30	30
Item_10	Pearson Correlation	.559**	.482**	.626**	.626**	.386*	.491**	.460*	.508**	.647**	1	.391*	.486**	.415*	.762**
	Sig. (2-tailed)	.001	.007	.000	.000	.035	.006	.010	.004	.000		.033	.007	.023	.000
	N	30	30	30	30	30	30	30	30	30	30	30	30	30	30
Item_11	Pearson Correlation	.358	.231	.354	.157	.200	.169	.215	.149	.400*	.391*	1	.180	.324	.445*
	Sig. (2-tailed)	.052	.220	.055	.408	.290	.372	.253	.433	.029	.033		.342	.081	.014
	N	30	30	30	30	30	30	30	30	30	30	30	30	30	30
Item_12	Pearson Correlation	.540**	.536**	.591**	.532**	.392*	.624**	.309	.415*	.463**	.486**	.180	1	.498**	.690**
	Sig. (2-tailed)	.002	.002	.001	.002	.032	.000	.097	.023	.010	.007	.342		.005	.000
	N	30	30	30	30	30	30	30	30	30	30	30	30	30	30
Item_13	Pearson Correlation	.656**	.486**	.492**	.435*	.205	.679**	.473**	.579**	.647**	.415*	.324	.498**	1	.733**
	Sig. (2-tailed)	.000	.006	.006	.016	.277	.000	.008	.001	.000	.023	.081	.005		.000
	N	30	30	30	30	30	30	30	30	30	30	30	30	30	30
Skor_total	Pearson Correlation	.833**	.796**	.813**	.708**	.521**	.828**	.642**	.764**	.851**	.762**	.445*	.690**	.733**	1
	Sig. (2-tailed)	.000	.000	.000	.000	.003	.000	.000	.000	.000	.000	.014	.000	.000	
	N	30	30	30	30	30	30	30	30	30	30	30	30	30	30

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

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

Hasil Uji Validitas Harga

Correlations

		Item_1	Item_2	Item_3	Item_4	Item_5	Item_6	Skor_total
Item_1	Pearson Correlation	1	.375*	.739**	.332	.155	.323	.648**
	Sig. (2-tailed)		.041	.000	.073	.413	.082	.000
	N	30	30	30	30	30	30	30
Item_2	Pearson Correlation	.375*	1	.623**	.522**	.542**	.556**	.832**
	Sig. (2-tailed)	.041		.000	.003	.002	.001	.000
	N	30	30	30	30	30	30	30
Item_3	Pearson Correlation	.739**	.623**	1	.427*	.227	.340	.748**
	Sig. (2-tailed)	.000	.000		.019	.227	.066	.000
	N	30	30	30	30	30	30	30
Item_4	Pearson Correlation	.332	.522**	.427*	1	.368*	.492**	.708**
	Sig. (2-tailed)	.073	.003	.019		.045	.006	.000
	N	30	30	30	30	30	30	30
Item_5	Pearson Correlation	.155	.542**	.227	.368*	1	.443*	.651**
	Sig. (2-tailed)	.413	.002	.227	.045		.014	.000
	N	30	30	30	30	30	30	30
Item_6	Pearson Correlation	.323	.556**	.340	.492**	.443*	1	.758**
	Sig. (2-tailed)	.082	.001	.066	.006	.014		.000
	N	30	30	30	30	30	30	30
Skor_total	Pearson Correlation	.648**	.832**	.748**	.708**	.651**	.758**	1
	Sig. (2-tailed)	.000	.000	.000	.000	.000	.000	
	N	30	30	30	30	30	30	30

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

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

Hasil Uji Validitas Kepuasan Pelanggan

Correlations

		Item_1	Item_2	Item_3	Item_4	Item_5	Item_6	Skor_total
Item_1	Pearson Correlation	1	.683**	.506**	.734**	.429*	.058	.723**
	Sig. (2-tailed)		.000	.004	.000	.018	.759	.000
	N	30	30	30	30	30	30	30
Item_2	Pearson Correlation	.683**	1	.457*	.532**	.378*	.179	.692**
	Sig. (2-tailed)	.000		.011	.002	.040	.344	.000
	N	30	30	30	30	30	30	30
Item_3	Pearson Correlation	.506**	.457*	1	.678**	.717**	.599**	.883**
	Sig. (2-tailed)	.004	.011		.000	.000	.000	.000
	N	30	30	30	30	30	30	30
Item_4	Pearson Correlation	.734**	.532**	.678**	1	.535**	.299	.816**
	Sig. (2-tailed)	.000	.002	.000		.002	.109	.000
	N	30	30	30	30	30	30	30
Item_5	Pearson Correlation	.429*	.378*	.717**	.535**	1	.520**	.801**
	Sig. (2-tailed)	.018	.040	.000	.002		.003	.000
	N	30	30	30	30	30	30	30
Item_6	Pearson Correlation	.058	.179	.599**	.299	.520**	1	.618**
	Sig. (2-tailed)	.759	.344	.000	.109	.003		.000
	N	30	30	30	30	30	30	30
Skor_total	Pearson Correlation	.723**	.692**	.883**	.816**	.801**	.618**	1
	Sig. (2-tailed)	.000	.000	.000	.000	.000	.000	
	N	30	30	30	30	30	30	30

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

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

Uji Validitas Loyalitas Pelanggan

Correlations

		Item_1	Item_2	Item_3	Item_4	Item_5	Item_6	Skor_total
Item_1	Pearson Correlation	1	.741**	.564**	.332	.524**	.647**	.821**
	Sig. (2-tailed)		.000	.001	.073	.003	.000	.000
	N	30	30	30	30	30	30	30
Item_2	Pearson Correlation	.741**	1	.603**	.527**	.675**	.591**	.893**
	Sig. (2-tailed)	.000		.000	.003	.000	.001	.000
	N	30	30	30	30	30	30	30
Item_3	Pearson Correlation	.564**	.603**	1	.208	.661**	.424*	.750**
	Sig. (2-tailed)	.001	.000		.271	.000	.020	.000
	N	30	30	30	30	30	30	30
Item_4	Pearson Correlation	.332	.527**	.208	1	.341	.636**	.634**
	Sig. (2-tailed)	.073	.003	.271		.065	.000	.000
	N	30	30	30	30	30	30	30
Item_5	Pearson Correlation	.524**	.675**	.661**	.341	1	.417*	.784**
	Sig. (2-tailed)	.003	.000	.000	.065		.022	.000
	N	30	30	30	30	30	30	30
Item_6	Pearson Correlation	.647**	.591**	.424*	.636**	.417*	1	.782**
	Sig. (2-tailed)	.000	.001	.020	.000	.022		.000
	N	30	30	30	30	30	30	30
Skor_total	Pearson Correlation	.821**	.893**	.750**	.634**	.784**	.782**	1
	Sig. (2-tailed)	.000	.000	.000	.000	.000	.000	
	N	30	30	30	30	30	30	30

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

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

Lampiran 05: Hasil Uji Reliabilitas**Hasil Uji Reliabilitas Citra Merek****Case Processing Summary**

		N	%
Cases	Valid	30	100.0
	Excluded ^a	0	.0
	Total	30	100.0

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

Reliability Statistics

Cronbach's Alpha	N of Items
.790	8

Item-Total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Cronbach's Alpha if Item Deleted
Item_1	23.60	9.283	.407	.780
Item_2	23.97	8.309	.326	.809
Item_3	23.03	9.413	.424	.779
Item_4	23.37	8.240	.580	.753
Item_5	23.20	8.303	.646	.746
Item_6	23.53	7.568	.639	.741
Item_7	23.53	8.602	.603	.754
Item_8	23.37	7.895	.511	.766

Hasil Uji Reliabilitas Kualitas Produk

Case Processing Summary

		N	%
Cases	Valid	30	100.0
	Excluded ^a	0	.0
	Total	30	100.0

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

Reliability Statistics

Cronbach's Alpha	N of Items
.924	13

Item-Total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Cronbach's Alpha if Item Deleted
Item_1	36.57	44.116	.797	.913
Item_2	36.67	43.885	.748	.915
Item_3	36.40	43.214	.766	.914
Item_4	36.07	45.375	.650	.919
Item_5	36.00	48.552	.458	.924
Item_6	36.30	44.010	.790	.913
Item_7	36.00	46.276	.576	.921
Item_8	36.23	43.909	.709	.916
Item_9	36.20	44.028	.819	.912
Item_10	36.50	43.500	.702	.917
Item_11	36.23	48.047	.349	.930
Item_12	36.07	46.409	.637	.919
Item_13	35.97	45.206	.679	.917

Hasil Uji Reliabilitas Harga

Case Processing Summary

		N	%
Cases	Valid	30	100.0
	Excluded ^a	0	.0
	Total	30	100.0

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

Reliability Statistics

Cronbach's Alpha	N of Items
.813	6

Item-Total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Cronbach's Alpha if Item Deleted
Item_1	14.53	8.326	.503	.798
Item_2	15.10	7.334	.741	.748
Item_3	14.67	7.678	.621	.774
Item_4	14.73	8.133	.585	.783
Item_5	15.03	7.895	.466	.809
Item_6	15.43	6.944	.586	.786

Hasil Uji Reliabilitas Kepuasan Pelanggan

Case Processing Summary

		N	%
Cases	Valid	30	100.0
	Excluded ^a	0	.0
	Total	30	100.0

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

Reliability Statistics

Cronbach's Alpha	N of Items
.846	6

Item-Total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Cronbach's Alpha if Item Deleted
Item_1	13.70	10.562	.603	.826
Item_2	13.67	10.644	.557	.834
Item_3	13.97	8.999	.809	.782
Item_4	13.60	10.110	.730	.804
Item_5	13.87	9.637	.690	.808
Item_6	14.20	10.648	.426	.864

Hasil Uji Reliabilitas Loyalitas Pelanggan

Case Processing Summary

		N	%
Cases	Valid	30	100.0
	Excluded ^a	0	.0
	Total	30	100.0

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

Reliability Statistics

Cronbach's Alpha	N of Items
.871	6

Item-Total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Cronbach's Alpha if Item Deleted
Item_1	13.00	11.172	.724	.839
Item_2	13.10	10.438	.827	.819
Item_3	12.73	11.789	.628	.856
Item_4	12.73	12.892	.493	.877
Item_5	13.17	11.454	.672	.849
Item_6	13.10	12.024	.687	.847

Lampiran 06: Tabulasi 195 Responden
Citra Merek

Universitas
Esa Unggul

Universitas
Esa Unggul

Universitas
Esa Unggul

Responden	Citra Merek								Skor Total
	1	2	3	4	5	6	7	8	
1	2	2	1	2	3	2	4	3	19
2	1	2	3	1	2	2	3	3	17
3	3	2	3	4	4	3	4	3	26
4	3	2	3	3	2	3	3	3	22
5	4	3	3	2	3	2	3	3	23
6	2	3	2	2	3	2	3	3	20
7	4	3	4	2	2	3	3	3	24
8	1	2	1	3	2	2	3	3	17
9	2	2	3	1	2	4	3	3	20
10	2	2	1	3	4	3	4	3	22
11	4	2	3	4	3	1	4	4	25
12	2	1	1	1	2	1	4	4	16
13	2	2	2	2	1	2	4	3	18
14	3	3	2	2	1	2	4	3	20
15	1	2	3	1	2	1	3	3	16
16	1	2	1	3	4	3	3	3	20
17	4	4	3	2	3	2	3	3	24
18	3	2	1	2	3	2	4	4	21
19	3	2	2	2	3	2	3	3	20
20	1	2	3	2	1	2	3	3	17
21	3	2	2	3	2	4	4	4	24
22	1	2	1	1	2	1	4	4	16
23	3	1	2	2	4	3	4	4	23
24	1	2	3	2	3	3	3	4	21
25	3	4	2	3	2	3	3	3	23
26	4	2	2	2	3	3	4	3	23
27	3	1	3	4	2	3	3	4	23
28	3	3	1	2	2	2	4	3	20
29	3	2	4	3	4	2	3	3	24
30	3	3	4	2	2	2	3	3	22
31	3	2	2	3	3	3	4	4	24
32	2	4	2	2	4	2	4	4	24
33	4	2	3	2	3	2	3	3	22
34	4	2	4	3	4	2	3	3	25
35	3	2	4	3	2	3	4	3	24
36	2	2	3	2	1	2	4	4	20
37	3	3	2	3	4	2	3	3	23
38	1	2	1	2	3	2	3	2	16
39	2	4	3	2	3	4	3	3	24
40	2	4	2	2	3	2	3	3	21
41	3	3	4	2	2	3	3	3	23
42	3	2	3	4	2	3	3	3	23
43	4	2	1	3	2	1	3	3	19
44	1	2	1	3	2	3	3	3	18
45	2	1	2	2	1	1	3	3	15
46	2	2	1	2	3	3	3	3	19
47	3	2	2	3	2	2	4	4	22
48	4	3	4	3	2	2	3	3	24
49	4	3	4	3	2	2	3	3	24
50	2	2	1	3	2	3	3	3	19
51	2	3	2	2	3	2	3	3	20
52	2	2	1	3	4	4	3	3	22
53	3	4	3	2	3	2	4	4	25
54	3	2	3	3	2	3	4	4	24
55	1	2	1	4	3	2	3	3	19

56	2	3	2	1	2	1	4	3	18
57	1	2	3	3	2	2	4	3	20
58	3	2	3	3	2	3	3	3	22
59	2	2	3	3	1	2	4	4	21
60	4	3	1	1	2	2	3	3	19
61	1	1	4	3	3	2	3	3	20
62	2	3	2	2	1	3	3	3	19
63	3	2	2	3	3	2	4	3	22
64	3	2	1	2	1	1	3	3	16
65	1	2	2	2	2	1	3	3	16
66	2	2	3	2	3	2	3	3	20
67	1	2	2	1	1	3	3	3	16
68	2	1	2	2	1	2	4	3	17
69	2	2	3	4	1	2	3	3	20
70	3	3	3	1	1	2	4	3	20
71	3	4	3	4	3	3	4	3	27
72	2	2	3	3	2	3	4	3	22
73	4	4	4	4	4	4	3	4	31
74	2	3	2	3	2	3	4	3	22
75	4	1	3	2	2	3	3	3	21
76	3	2	3	2	2	3	3	4	22
77	4	4	4	3	3	3	3	3	27
78	2	2	4	2	2	2	3	3	20
79	4	3	4	4	3	3	4	3	28
80	4	3	3	3	3	4	4	3	27
81	1	3	2	2	4	2	4	3	21
82	1	1	2	2	3	2	4	3	18
83	2	3	2	2	3	2	4	3	21
84	3	1	4	3	1	3	4	3	22
85	2	3	3	3	3	3	3	3	23
86	3	3	3	2	2	3	2	3	21
87	3	2	4	4	2	3	3	3	24
88	2	2	3	2	2	2	4	3	20
89	2	3	2	4	4	2	2	3	22
90	3	3	2	3	4	3	2	3	23
91	3	2	3	3	2	2	4	3	22
92	2	3	2	3	2	2	3	3	20
93	3	3	3	3	3	3	4	3	25
94	2	3	2	3	2	3	2	3	20
95	2	3	3	4	2	3	4	3	24
96	2	2	3	3	3	2	4	4	23
97	2	3	1	3	4	2	4	3	22
98	3	3	1	2	3	2	4	3	21
99	2	3	3	2	2	4	4	3	23
100	2	4	2	2	3	2	4	3	22
101	3	2	3	4	2	3	3	4	24
102	3	4	1	2	3	3	3	3	22
103	2	3	2	3	3	3	3	3	22
104	4	4	4	2	2	3	4	3	26
105	3	2	3	3	2	3	3	3	22

106	3	3	2	2	3	2	4	3	22
107	1	2	1	1	2	1	4	3	15
108	4	3	2	4	3	4	4	3	27
109	4	3	3	3	3	2	3	3	24
110	3	3	4	3	3	1	3	4	24
111	3	4	3	4	4	3	3	3	27
112	2	3	2	2	3	2	3	3	20
113	2	3	3	4	3	3	3	4	25
114	4	3	4	4	3	4	4	3	29
115	4	2	3	4	4	3	4	4	28
116	3	3	3	3	4	3	4	3	26
117	4	4	3	4	4	3	4	3	29
118	3	3	3	4	4	4	3	3	27
119	4	4	3	3	3	3	3	3	26
120	4	4	4	4	4	4	3	3	30
121	2	3	2	4	2	3	3	3	22
122	2	2	2	3	3	2	3	3	20
123	1	4	4	1	4	1	3	3	21
124	2	4	2	3	2	3	3	3	22
125	4	4	2	1	4	4	2	3	24
126	2	4	2	2	3	2	3	3	21
127	1	4	2	3	1	4	3	2	20
128	1	4	2	3	1	4	3	2	20
129	1	4	1	4	1	4	3	2	20
130	1	3	4	3	3	1	3	3	21
131	1	3	2	2	4	1	2	2	17
132	1	3	2	2	4	1	4	4	21
133	3	4	2	3	2	4	4	3	25
134	2	4	2	3	2	3	4	4	24
135	4	3	1	1	3	2	3	3	20
136	1	4	3	2	4	2	4	4	24
137	4	2	3	4	1	2	4	3	23
138	2	3	3	3	2	3	4	4	24
139	2	3	3	3	2	3	4	4	24
140	2	3	2	2	3	2	4	4	22
141	4	2	3	3	3	3	3	3	24
142	3	3	3	3	3	3	3	4	25
143	3	2	2	2	2	3	4	3	21
144	3	4	3	3	3	3	3	3	25
145	3	4	3	3	3	3	4	3	26
146	2	3	3	3	2	3	4	3	23
147	2	3	3	3	2	3	4	3	23
148	2	3	2	2	3	2	3	2	19
149	4	2	3	3	3	3	4	3	25
150	3	3	3	3	3	3	3	4	25
151	3	2	2	2	2	3	3	4	21
152	3	4	3	3	3	3	4	4	27
153	3	4	3	3	3	3	2	3	24
154	3	3	3	2	2	3	4	4	24
155	4	3	3	3	3	3	4	3	26

Kualitas Produk

Responden	Kualitas Produk													Skor Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	
1	2	2	3	2	2	1	2	3	2	2	3	3	3	30
2	2	3	2	1	2	3	1	2	2	3	2	3	3	29
3	3	3	2	3	2	3	4	4	3	2	3	2	2	36
4	3	3	2	3	2	3	3	2	3	2	3	3	3	35
5	3	2	2	4	3	3	2	3	2	2	3	4	4	37
6	2	2	3	2	3	2	2	3	2	3	2	3	3	32
7	1	4	3	4	3	4	2	2	3	2	3	3	3	37
8	1	1	2	1	2	1	3	2	2	2	2	3	3	25
9	1	2	2	2	2	3	1	2	4	2	2	4	4	31
10	2	2	3	2	3	2	3	4	3	2	2	4	4	36
11	2	1	3	2	3	1	4	3	1	3	2	4	4	33
12	2	1	3	2	2	3	1	2	1	1	2	4	4	28
13	3	2	3	2	3	2	2	1	2	1	2	4	4	31
14	3	2	4	3	2	3	2	1	2	2	3	4	4	35
15	3	2	3	3	2	3	1	2	1	4	2	3	3	32
16	3	4	2	3	2	1	3	4	3	2	3	3	3	36
17	2	3	2	4	3	2	2	3	2	2	1	3	3	32
18	4	3	2	3	2	1	2	3	2	3	2	4	4	35
19	2	3	2	4	3	2	2	3	2	3	2	4	4	36
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159	4	3	4	4	4	4	23
160	3	3	3	4	3	4	20
161	3	1	2	2	3	3	14
162	3	2	1	3	2	2	13
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166	3	3	3	3	3	3	18
167	2	2	2	3	2	3	14
168	4	2	3	4	3	2	18
169	3	2	1	2	3	2	13
170	3	3	3	3	3	4	19
171	4	4	2	3	3	1	17
172	3	3	4	4	3	4	21
173	3	3	3	3	3	3	18
174	3	4	4	2	3	3	19
175	2	3	2	2	3	1	13
176	2	3	3	3	3	4	18
177	4	2	1	2	3	1	13
178	4	3	3	3	3	3	19
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182	4	4	4	3	3	3	21
183	1	1	1	4	4	4	15
184	3	2	2	2	2	2	13
185	4	4	4	4	4	4	24
186	3	1	1	1	3	2	11
187	2	2	1	3	2	3	13
188	2	4	3	2	3	1	15
189	2	3	2	3	2	1	13
190	3	2	3	2	3	2	15
191	3	3	2	2	3	2	15
192	2	2	3	1	2	3	13
193	3	2	3	2	3	1	14
194	2	2	2	2	2	2	12
195	3	3	3	2	4	2	17

Kepuasan Pelanggan

Responden	Kepuasan Pelanggan						Skor Total
	1	2	3	4	5	6	
1	2	2	3	2	2	1	12
2	2	3	2	1	2	3	13
3	3	3	2	3	2	3	16
4	3	3	2	3	2	3	16
5	3	2	2	4	3	3	17
6	2	2	3	2	3	2	14
7	1	4	3	4	3	4	19
8	1	1	2	1	2	1	8
9	1	2	2	2	2	3	12
10	2	2	1	2	2	1	10
11	2	3	2	4	2	3	16
12	2	2	1	2	1	1	9
13	1	2	2	2	2	2	11
14	3	4	2	3	3	2	17
15	1	3	3	1	2	3	13
16	1	2	1	1	2	1	8
17	3	3	4	4	4	3	21
18	3	3	2	3	2	1	14
19	2	3	2	3	2	2	14
20	1	2	2	1	2	3	11
21	3	3	3	3	2	2	16
22	1	1	2	1	2	1	8
23	2	4	4	3	1	2	16
24	4	2	4	1	2	3	16
25	2	3	3	3	4	2	17
26	4	3	3	4	2	2	18
27	3	3	2	3	1	3	15
28	1	3	3	3	3	1	14
29	2	3	2	3	2	4	16
30	3	1	3	3	3	4	17
31	4	2	1	3	2	2	14
32	4	2	3	2	4	2	17
33	4	2	3	4	2	3	18
34	3	4	2	4	2	4	19
35	3	3	2	3	2	4	17
36	1	3	3	2	2	3	14
37	3	2	4	3	3	2	17
38	3	3	2	1	2	1	12
39	3	2	3	2	4	3	17
40	2	2	3	2	4	2	15
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44	3	3	2	1	2	1	12
45	2	2	3	2	1	2	12
46	3	2	3	2	2	1	13
47	1	4	3	3	2	2	15
48	1	2	3	4	3	4	17
49	1	2	3	4	3	4	17
50	4	2	3	2	2	1	14
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52	3	2	3	2	2	1	13
53	1	3	2	3	4	3	16
54	2	3	2	3	2	3	15
55	2	1	2	1	2	1	9

56	1	2	3	2	3	2	13
57	1	2	1	1	2	3	10
58	3	3	2	3	2	3	16
59	2	2	1	2	2	3	12
60	2	1	2	4	3	1	13
61	3	3	3	1	1	4	15
62	2	2	3	2	3	2	14
63	1	3	2	3	2	2	13
64	3	2	1	3	2	1	12
65	4	3	2	1	2	2	14
66	4	2	3	2	2	3	16
67	4	3	2	1	2	2	14
68	2	2	1	2	1	2	10
69	3	1	1	2	2	3	12
70	1	1	3	3	3	3	14
71	4	3	4	3	4	3	21
72	3	2	1	2	2	3	13
73	4	4	4	4	4	4	24
74	3	2	3	2	3	2	15
75	2	3	2	4	1	3	15
76	3	3	2	3	2	3	16
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79	3	3	2	4	3	4	19
80	2	1	4	4	3	3	17
81	2	2	3	1	3	2	13
82	2	1	1	1	1	2	8
83	2	2	3	2	3	2	14
84	2	4	2	3	1	4	16
85	3	2	2	2	3	3	15
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87	2	4	1	3	2	4	16
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93	3	3	3	3	3	3	18
94	2	2	4	2	3	2	15
95	4	3	4	2	3	3	19
96	3	3	4	2	2	3	17
97	4	3	2	2	3	1	15
98	4	3	2	3	3	1	16
99	3	4	2	2	3	3	17
100	3	2	3	2	4	2	16
101	2	3	2	3	2	3	15
102	3	4	2	3	4	1	17
103	3	3	2	2	3	2	15
104	2	2	3	4	4	4	19
105	1	3	2	3	2	3	14

106	3	2	2	3	3	2	15
107	2	2	3	1	2	1	11
108	3	3	3	4	3	2	18
109	3	3	2	4	3	3	18
110	3	4	3	3	3	4	20
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112	1	2	3	2	3	2	13
113	3	4	3	2	3	3	18
114	3	3	3	4	3	4	20
115	4	4	4	4	2	3	21
116	3	4	3	3	3	3	19
117	3	4	4	4	4	3	22
118	2	3	3	3	3	3	17
119	3	3	4	4	4	3	21
120	4	4	4	4	4	4	24
121	2	2	3	2	3	2	14
122	3	3	3	2	2	2	15
123	2	2	4	1	4	4	17
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132	2	1	4	1	3	2	13
133	3	4	1	3	4	2	17
134	2	4	1	2	4	2	15
135	4	1	2	4	3	1	15
136	3	4	2	1	4	3	17
137	4	4	2	4	2	3	19
138	3	3	3	2	3	3	17
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146	3	3	3	2	3	3	17
147	3	3	3	2	3	3	17
148	2	2	2	2	3	2	13
149	2	3	4	4	2	3	18
150	3	3	3	3	3	3	18
151	3	2	1	3	2	2	13
152	3	3	3	3	4	3	19
153	3	3	3	3	4	3	19
154	4	4	4	3	3	3	21
155	3	3	2	4	3	3	18

156	4	4	4	3	3	3	21
157	4	4	4	4	4	4	24
158	4	4	2	4	2	4	20
159	4	3	4	4	4	4	23
160	3	3	3	4	3	4	20
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172	3	3	4	4	3	4	21
173	3	3	3	3	3	3	18
174	3	4	4	2	3	3	19
175	2	3	2	2	3	1	13
176	2	3	3	3	3	4	18
177	4	2	1	2	3	1	13
178	4	3	3	3	3	3	19
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185	4	4	4	4	4	4	24
186	3	1	1	1	3	2	11
187	2	2	1	3	2	3	13
188	2	4	3	2	3	1	15
189	2	3	2	3	2	1	13
190	3	2	3	2	3	2	15
191	3	3	2	2	3	2	15
192	2	2	3	1	2	3	13
193	3	2	3	2	3	1	14
194	2	2	2	2	2	2	12
195	3	3	3	2	4	2	17

Loyalitas Pelanggan

Responden	Kepuasan Pelanggan						Skor Total
	1	2	3	4	5	6	
1	3	2	2	3	2	2	14
2	2	2	3	2	1	2	12
3	2	3	3	2	3	2	15
4	2	3	3	2	3	2	15
5	2	3	2	2	4	3	16
6	3	2	2	3	2	3	15
7	3	1	4	3	4	3	18
8	2	1	1	2	1	2	9
9	2	1	2	2	2	2	11
10	1	2	2	1	2	2	10
11	2	2	3	2	4	2	15
12	1	2	2	1	2	1	9
13	2	1	2	2	2	2	11
14	2	3	4	2	3	3	17
15	3	1	3	3	1	2	13
16	1	1	2	1	1	2	8
17	4	3	3	4	4	4	22
18	2	3	3	2	3	2	15
19	2	2	3	2	3	2	14
20	2	1	2	2	1	2	10
21	3	3	3	3	3	2	17
22	2	1	1	2	1	2	9
23	4	2	4	4	3	1	18
24	4	4	2	4	1	2	17
25	3	2	3	3	3	4	18
26	3	4	3	3	4	2	19
27	2	3	3	2	3	1	14
28	3	1	3	3	3	3	16
29	2	2	3	2	3	2	14
30	3	3	1	3	3	3	16
31	1	4	2	1	3	2	13
32	3	4	2	3	2	4	18
33	3	4	2	3	4	2	18
34	2	3	4	2	4	2	17
35	2	3	3	2	3	2	15
36	3	1	3	3	2	2	14
37	4	3	2	4	3	3	19
38	2	3	3	2	1	2	13
39	3	3	2	3	2	4	17
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42	2	3	4	2	3	2	16
43	4	2	3	4	4	2	19
44	2	3	3	2	1	2	13
45	3	2	2	3	2	1	13
46	3	3	2	3	2	2	15
47	3	1	4	3	3	2	16
48	3	1	2	3	4	3	16
49	3	1	2	3	4	3	16
50	3	4	2	3	2	2	16
51	2	2	3	2	2	3	14
52	3	3	2	3	2	2	15
53	2	1	3	2	3	4	15
54	2	2	3	2	3	2	14
55	2	2	1	2	1	2	10

56	3	1	2	3	2	3	14
57	1	1	2	1	1	2	8
58	2	3	3	2	3	2	15
59	1	2	2	1	2	2	10
60	2	2	1	2	4	3	14
61	3	3	3	3	1	1	14
62	3	2	2	3	2	3	15
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68	1	2	2	1	2	1	9
69	1	3	1	1	2	2	10
70	3	1	1	3	3	3	14
71	4	4	3	4	3	4	22
72	1	3	2	1	2	2	11
73	4	4	4	4	4	4	24
74	3	3	2	3	2	3	16
75	2	2	3	2	4	1	14
76	2	3	3	2	3	2	15
77	4	2	4	4	4	4	22
78	2	4	2	2	2	2	14
79	2	3	3	2	4	3	17
80	4	2	1	4	4	3	18
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87	1	2	4	1	3	2	13
88	2	2	2	2	2	2	12
89	2	3	3	2	2	3	15
90	3	3	2	3	3	3	17
91	3	1	4	3	3	2	16
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93	3	3	3	3	3	3	18
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101	2	2	3	2	3	2	14
102	2	3	4	2	3	4	18
103	2	3	3	2	2	3	15
104	3	2	2	3	4	4	18
105	2	1	3	2	3	2	13

106	2	3	2	2	3	3	15
107	3	2	2	3	1	2	13
108	3	3	3	3	4	3	19
109	2	3	3	2	4	3	17
110	3	3	4	3	3	3	19
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112	3	1	2	3	2	3	14
113	3	3	4	3	2	3	18
114	3	3	3	3	4	3	19
115	4	4	4	4	4	2	22
116	3	3	4	3	3	3	19
117	4	3	4	4	4	4	23
118	3	2	3	3	3	3	17
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131	4	2	1	4	1	3	15
132	4	2	1	4	1	3	15
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149	4	2	3	4	4	2	19
150	3	3	3	3	3	3	18
151	1	3	2	1	3	2	12
152	3	3	3	3	3	4	19
153	3	3	3	3	3	4	19
154	4	4	4	4	3	3	22
155	2	3	3	2	4	3	17

Lampiran 07: Hasil Uji Analisis Jalur (*Path Analysis*) Tahap 1

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	TOTAL_X3, TOTAL_X1, TOTAL_X2 ^b	.	Enter

- a. Dependent Variable: TOTAL_Z
 b. All requested variables entered.

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Durbin-Watson
1	,729 ^a	,531	,523	2,296	2,048

- a. Predictors: (Constant), TOTAL_X3, TOTAL_X1, TOTAL_X2
 b. Dependent Variable: TOTAL_Z

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	1139,041	3	379,680	72,008	,000 ^b
	Residual	1007,092	191	5,273		
	Total	2146,133	194			

- a. Dependent Variable: TOTAL_Z
 b. Predictors: (Constant), TOTAL_X3, TOTAL_X1, TOTAL_X2

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	Collinearity Statistics	
		B	Std. Error	Beta			Tolerance	VIF
1	(Constant)	-1,745	1,340		-1,302	,194		
	TOTAL_X1	,512	,077	,499	6,694	,000	,442	2,263
	TOTAL_X2	,036	,090	,051	,396	,693	,145	6,890
	TOTAL_X3	,298	,115	,275	2,593	,010	,218	4,591

- a. Dependent Variable: TOTAL_Z

Lampiran 08: Hasil Uji Analisis Jalur (*Path Analysis*) Tahap 2

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	TOTAL_Z 1, TOTAL_X 3, TOTAL_X 1, TOTAL_X 2 ^b		Enter

a. Dependent Variable: TOTAL_Y

b. All requested variables entered.

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Durbin-Watson
1	,969 ^a	,940	,938	,785	1,858

a. Predictors: (Constant), TOTAL_Z, TOTAL_X3, TOTAL_X1, TOTAL_X2

b. Dependent Variable: TOTAL_Y

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	1824,698	4	456,175	739,408	,000 ^b
	Residual	117,220	190	,617		
	Total	1941,918	194			

a. Dependent Variable: TOTAL_Y

b. Predictors: (Constant), TOTAL_Z, TOTAL_X3, TOTAL_X1, TOTAL_X2

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	Collinearity Statistics	
		B	Std. Error	Beta			Tolerance	VIF
1	(Constant)	-1,168	,460		-2,537	,012		
	TOTAL_X1	,362	,029	,370	12,429	,000	,358	2,794
	TOTAL_X2	-,138	,031	-,208	-4,453	,000	,145	6,896
	TOTAL_X3	,187	,040	,181	4,661	,000	,210	4,753
	TOTAL_Z	,683	,025	,718	27,613	,000	,469	2,131

a. Dependent Variable: TOTAL_Y

Lampiran 09: Tabel r Product Moment

N	Tarf Signif		N	Tarf Signif		N	Tarf Signif	
	5%	10%		5%	10%		5%	10%
3	0,997	0,999	27	0,381	0,487	55	0,266	0,345
4	0,950	0,990	28	0,374	0,478	60	0,254	0,330
5	0,878	0,959	29	0,367	0,470	65	0,244	0,317
6	0,811	0,917	30	0,361	0,463	70	0,235	0,306
7	0,754	0,874	31	0,355	0,456	75	0,227	0,296
8	0,707	0,834	32	0,349	0,449	80	0,220	0,286
9	0,666	0,798	33	0,344	0,442	85	0,213	0,278
10	0,632	0,765	34	0,339	0,436	90	0,207	0,270
11	0,602	0,735	35	0,334	0,430	95	0,202	0,263
12	0,576	0,708	36	0,329	0,424	100	0,195	0,256
13	0,553	0,684	37	0,325	0,418	125	0,176	0,230
14	0,532	0,661	38	0,320	0,413	150	0,159	0,210
15	0,514	0,641	39	0,316	0,408	175	0,148	0,194
16	0,497	0,623	40	0,312	0,403	200	0,138	0,181
17	0,482	0,606	41	0,308	0,398	300	0,113	0,148
18	0,468	0,590	42	0,304	0,393	400	0,098	0,128
19	0,456	0,575	43	0,301	0,389	500	0,088	0,115
20	0,444	0,561	44	0,297	0,384	600	0,080	0,105
21	0,433	0,549	45	0,294	0,380	700	0,074	0,097
22	0,423	0,537	46	0,291	0,376	800	0,070	0,091
23	0,413	0,526	47	0,288	0,372	900	0,065	0,086
24	0,404	0,515	48	0,284	0,368	1000	0,062	0,081
25	0,396	0,505	49	0,281	0,364			
26	0,388	0,496	50	0,279	0,361			

Lampiran 10: Tabel t

Titik Persentase Distribusi t (df = 1 – 40)

Pr	0.25	0.10	0.05	0.025	0.01	0.005	0.001
df	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	318.30884
2	0.81650	1.88562	2.91999	4.30265	6.96456	9.92484	22.32712
3	0.76489	1.63774	2.35336	3.18245	4.54070	5.84091	10.21453
4	0.74070	1.53321	2.13185	2.77645	3.74695	4.60409	7.17318
5	0.72669	1.47588	2.01505	2.57058	3.36493	4.03214	5.89343
6	0.71756	1.43976	1.94318	2.44691	3.14267	3.70743	5.20763
7	0.71114	1.41492	1.89458	2.36462	2.99795	3.49948	4.78529
8	0.70639	1.39682	1.85955	2.30600	2.89646	3.35539	4.50079
9	0.70272	1.38303	1.83311	2.26216	2.82144	3.24984	4.29681
10	0.69981	1.37218	1.81246	2.22814	2.76377	3.16927	4.14370
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

Titik Persentase Distribusi t (df = 41 – 80)

Pr df	0.25 0.50	0.10 0.20	0.05 0.10	0.025 0.050	0.01 0.02	0.005 0.010	0.001 0.002
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

Titik Persentase Distribusi t (df = 81 –120)

Pr df	0.25	0.10	0.05	0.025	0.01	0.005	0.001
	0.50	0.20	0.10	0.050	0.02	0.010	0.002
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

Titik Persentase Distribusi t (df = 121 –160)

Pr df	0.25 0.50	0.10 0.20	0.05 0.10	0.025 0.050	0.01 0.02	0.005 0.010	0.001 0.002
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

Titik Persentase Distribusi t (df = 161 –200)

Pr df	0.25	0.10	0.05	0.025	0.01	0.005	0.001
	0.50	0.20	0.10	0.050	0.02	0.010	0.002
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

Lampiran 11: Tabel F

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

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

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

Lampiran 12: Tabel Durbin Watson

Tabel Durbin-Watson (DW), $\alpha = 5\%$

n	k=1		k=2		k=3		k=4		k=5	
	dL	dU	dL	dU	dL	dU	dL	dU	dL	dU
6	0.6102	1.4002								
7	0.6996	1.3564	0.4672	1.8964						
8	0.7629	1.3324	0.5591	1.7771	0.3674	2.2866				
9	0.8243	1.3199	0.6291	1.6993	0.4548	2.1282	0.2957	2.5881		
10	0.8791	1.3197	0.6972	1.6413	0.5253	2.0163	0.3760	2.4137	0.2427	2.8217
11	0.9273	1.3241	0.7580	1.6044	0.5948	1.9280	0.4441	2.2833	0.3155	2.6446
12	0.9708	1.3314	0.8122	1.5794	0.6577	1.8640	0.5120	2.1766	0.3796	2.5061
13	1.0097	1.3404	0.8612	1.5621	0.7147	1.8159	0.5745	2.0943	0.4445	2.3897
14	1.0450	1.3503	0.9054	1.5507	0.7667	1.7788	0.6321	2.0296	0.5052	2.2959
15	1.0770	1.3605	0.9455	1.5432	0.8140	1.7501	0.6852	1.9774	0.5620	2.2198
16	1.1062	1.3709	0.9820	1.5386	0.8572	1.7277	0.7340	1.9351	0.6150	2.1567
17	1.1330	1.3812	1.0154	1.5361	0.8968	1.7101	0.7790	1.9005	0.6641	2.1041
18	1.1576	1.3913	1.0461	1.5353	0.9331	1.6961	0.8204	1.8719	0.7098	2.0600
19	1.1804	1.4012	1.0743	1.5355	0.9666	1.6851	0.8588	1.8482	0.7523	2.0226
20	1.2015	1.4107	1.1004	1.5367	0.9976	1.6763	0.8943	1.8283	0.7918	1.9908
21	1.2212	1.4200	1.1246	1.5385	1.0262	1.6694	0.9272	1.8116	0.8286	1.9635
22	1.2395	1.4289	1.1471	1.5408	1.0529	1.6640	0.9578	1.7974	0.8629	1.9400
23	1.2567	1.4375	1.1682	1.5435	1.0778	1.6597	0.9864	1.7855	0.8949	1.9196
24	1.2728	1.4458	1.1878	1.5464	1.1010	1.6565	1.0131	1.7753	0.9249	1.9018
25	1.2879	1.4537	1.2063	1.5495	1.1228	1.6540	1.0381	1.7666	0.9530	1.8863
26	1.3022	1.4614	1.2236	1.5528	1.1432	1.6523	1.0616	1.7591	0.9794	1.8727
27	1.3157	1.4688	1.2399	1.5562	1.1624	1.6510	1.0836	1.7527	1.0042	1.8608
28	1.3284	1.4759	1.2553	1.5596	1.1805	1.6503	1.1044	1.7473	1.0276	1.8502
29	1.3405	1.4828	1.2699	1.5631	1.1976	1.6499	1.1241	1.7426	1.0497	1.8409
30	1.3520	1.4894	1.2837	1.5666	1.2138	1.6498	1.1426	1.7386	1.0706	1.8326
31	1.3630	1.4957	1.2969	1.5701	1.2292	1.6500	1.1602	1.7352	1.0904	1.8252
32	1.3734	1.5019	1.3093	1.5736	1.2437	1.6505	1.1769	1.7323	1.1092	1.8187
33	1.3834	1.5078	1.3212	1.5770	1.2576	1.6511	1.1927	1.7298	1.1270	1.8128
34	1.3929	1.5136	1.3325	1.5805	1.2707	1.6519	1.2078	1.7277	1.1439	1.8076
35	1.4019	1.5191	1.3433	1.5838	1.2833	1.6528	1.2221	1.7259	1.1601	1.8029
36	1.4107	1.5245	1.3537	1.5872	1.2953	1.6539	1.2358	1.7245	1.1755	1.7987
37	1.4190	1.5297	1.3635	1.5904	1.3068	1.6550	1.2489	1.7233	1.1901	1.7950
38	1.4270	1.5348	1.3730	1.5937	1.3177	1.6563	1.2614	1.7223	1.2042	1.7916
39	1.4347	1.5396	1.3821	1.5969	1.3283	1.6575	1.2734	1.7215	1.2176	1.7886
40	1.4421	1.5444	1.3908	1.6000	1.3384	1.6589	1.2848	1.7209	1.2305	1.7859
41	1.4493	1.5490	1.3992	1.6031	1.3480	1.6603	1.2958	1.7205	1.2428	1.7835
42	1.4562	1.5534	1.4073	1.6061	1.3573	1.6617	1.3064	1.7202	1.2546	1.7814
43	1.4628	1.5577	1.4151	1.6091	1.3663	1.6632	1.3166	1.7200	1.2660	1.7794
44	1.4692	1.5619	1.4226	1.6120	1.3749	1.6647	1.3263	1.7200	1.2769	1.7777
45	1.4754	1.5660	1.4298	1.6148	1.3832	1.6662	1.3357	1.7200	1.2874	1.7762
46	1.4814	1.5700	1.4368	1.6176	1.3912	1.6677	1.3448	1.7201	1.2976	1.7748
47	1.4872	1.5739	1.4435	1.6204	1.3989	1.6692	1.3535	1.7203	1.3073	1.7736
48	1.4928	1.5776	1.4500	1.6231	1.4064	1.6708	1.3619	1.7206	1.3167	1.7725
49	1.4982	1.5813	1.4564	1.6257	1.4136	1.6723	1.3701	1.7210	1.3258	1.7716
50	1.5035	1.5849	1.4625	1.6283	1.4206	1.6739	1.3779	1.7214	1.3346	1.7708
51	1.5086	1.5884	1.4684	1.6309	1.4273	1.6754	1.3855	1.7218	1.3431	1.7701
52	1.5135	1.5917	1.4741	1.6334	1.4339	1.6769	1.3929	1.7223	1.3512	1.7694
53	1.5183	1.5951	1.4797	1.6359	1.4402	1.6785	1.4000	1.7228	1.3592	1.7689
54	1.5230	1.5983	1.4851	1.6383	1.4464	1.6800	1.4069	1.7234	1.3669	1.7684
55	1.5276	1.6014	1.4903	1.6406	1.4523	1.6815	1.4136	1.7240	1.3743	1.7681
56	1.5320	1.6045	1.4954	1.6430	1.4581	1.6830	1.4201	1.7246	1.3815	1.7678
57	1.5363	1.6075	1.5004	1.6452	1.4637	1.6845	1.4264	1.7253	1.3885	1.7675
58	1.5405	1.6105	1.5052	1.6475	1.4692	1.6860	1.4325	1.7259	1.3953	1.7673
59	1.5446	1.6134	1.5099	1.6497	1.4745	1.6875	1.4385	1.7266	1.4019	1.7672
60	1.5485	1.6162	1.5144	1.6518	1.4797	1.6889	1.4443	1.7274	1.4083	1.7671
61	1.5524	1.6189	1.5189	1.6540	1.4847	1.6904	1.4499	1.7281	1.4146	1.7671
62	1.5562	1.6216	1.5232	1.6561	1.4896	1.6918	1.4554	1.7288	1.4206	1.7671
63	1.5599	1.6243	1.5274	1.6581	1.4943	1.6932	1.4607	1.7296	1.4265	1.7671
64	1.5635	1.6268	1.5315	1.6601	1.4990	1.6946	1.4659	1.7303	1.4322	1.7672
65	1.5670	1.6294	1.5355	1.6621	1.5035	1.6960	1.4709	1.7311	1.4378	1.7673
66	1.5704	1.6318	1.5395	1.6640	1.5079	1.6974	1.4758	1.7319	1.4433	1.7675
67	1.5738	1.6343	1.5433	1.6660	1.5122	1.6988	1.4806	1.7327	1.4486	1.7676
68	1.5771	1.6367	1.5470	1.6678	1.5164	1.7001	1.4853	1.7335	1.4537	1.7678
69	1.5803	1.6390	1.5507	1.6697	1.5205	1.7015	1.4899	1.7343	1.4588	1.7680
70	1.5834	1.6413	1.5542	1.6715	1.5245	1.7028	1.4943	1.7351	1.4637	1.7683

Tabel Durbin-Watson (DW), $\alpha = 5\%$

n	k=1		k=2		k=3		k=4		k=5	
	dL	dU	dL	dU	dL	dU	dL	dU	dL	dU
71	1.5865	1.6435	1.5577	1.6733	1.5284	1.7041	1.4987	1.7358	1.4685	1.7685
72	1.5895	1.6457	1.5611	1.6751	1.5323	1.7054	1.5029	1.7366	1.4732	1.7688
73	1.5924	1.6479	1.5645	1.6768	1.5360	1.7067	1.5071	1.7375	1.4778	1.7691
74	1.5953	1.6500	1.5677	1.6785	1.5397	1.7079	1.5112	1.7383	1.4822	1.7694
75	1.5981	1.6521	1.5709	1.6802	1.5432	1.7092	1.5151	1.7390	1.4866	1.7698
76	1.6009	1.6541	1.5740	1.6819	1.5467	1.7104	1.5190	1.7399	1.4909	1.7701
77	1.6036	1.6561	1.5771	1.6835	1.5502	1.7117	1.5228	1.7407	1.4950	1.7704
78	1.6063	1.6581	1.5801	1.6851	1.5535	1.7129	1.5265	1.7415	1.4991	1.7708
79	1.6089	1.6601	1.5830	1.6867	1.5568	1.7141	1.5302	1.7423	1.5031	1.7712
80	1.6114	1.6620	1.5859	1.6882	1.5600	1.7153	1.5337	1.7430	1.5070	1.7716
81	1.6139	1.6639	1.5888	1.6898	1.5632	1.7164	1.5372	1.7438	1.5109	1.7720
82	1.6164	1.6657	1.5915	1.6913	1.5663	1.7176	1.5406	1.7446	1.5146	1.7724
83	1.6188	1.6675	1.5942	1.6928	1.5693	1.7187	1.5440	1.7454	1.5183	1.7728
84	1.6212	1.6693	1.5969	1.6942	1.5723	1.7199	1.5472	1.7462	1.5219	1.7732
85	1.6235	1.6711	1.5995	1.6957	1.5752	1.7210	1.5505	1.7470	1.5254	1.7736
86	1.6258	1.6728	1.6021	1.6971	1.5780	1.7221	1.5536	1.7478	1.5289	1.7740
87	1.6280	1.6745	1.6046	1.6985	1.5808	1.7232	1.5567	1.7485	1.5322	1.7745
88	1.6302	1.6762	1.6071	1.6999	1.5836	1.7243	1.5597	1.7493	1.5356	1.7749
89	1.6324	1.6778	1.6095	1.7013	1.5863	1.7254	1.5627	1.7501	1.5388	1.7754
90	1.6345	1.6794	1.6119	1.7026	1.5889	1.7264	1.5656	1.7508	1.5420	1.7758
91	1.6366	1.6810	1.6143	1.7040	1.5915	1.7275	1.5685	1.7516	1.5452	1.7763
92	1.6387	1.6826	1.6166	1.7053	1.5941	1.7285	1.5713	1.7523	1.5482	1.7767
93	1.6407	1.6841	1.6188	1.7066	1.5966	1.7295	1.5741	1.7531	1.5513	1.7772
94	1.6427	1.6857	1.6211	1.7078	1.5991	1.7306	1.5768	1.7538	1.5542	1.7776
95	1.6447	1.6872	1.6233	1.7091	1.6015	1.7316	1.5795	1.7546	1.5572	1.7781
96	1.6466	1.6887	1.6254	1.7103	1.6039	1.7326	1.5821	1.7553	1.5600	1.7785
97	1.6485	1.6901	1.6275	1.7116	1.6063	1.7335	1.5847	1.7560	1.5628	1.7790
98	1.6504	1.6916	1.6296	1.7128	1.6086	1.7345	1.5872	1.7567	1.5656	1.7795
99	1.6522	1.6930	1.6317	1.7140	1.6108	1.7355	1.5897	1.7575	1.5683	1.7799
100	1.6540	1.6944	1.6337	1.7152	1.6131	1.7364	1.5922	1.7582	1.5710	1.7804
101	1.6558	1.6958	1.6357	1.7163	1.6153	1.7374	1.5946	1.7589	1.5736	1.7809
102	1.6576	1.6971	1.6376	1.7175	1.6174	1.7383	1.5969	1.7596	1.5762	1.7813
103	1.6593	1.6985	1.6396	1.7186	1.6196	1.7392	1.5993	1.7603	1.5788	1.7818
104	1.6610	1.6998	1.6415	1.7198	1.6217	1.7402	1.6016	1.7610	1.5813	1.7823
105	1.6627	1.7011	1.6433	1.7209	1.6237	1.7411	1.6038	1.7617	1.5837	1.7827
106	1.6644	1.7024	1.6452	1.7220	1.6258	1.7420	1.6061	1.7624	1.5861	1.7832
107	1.6660	1.7037	1.6470	1.7231	1.6277	1.7428	1.6083	1.7631	1.5885	1.7837
108	1.6676	1.7050	1.6488	1.7241	1.6297	1.7437	1.6104	1.7637	1.5909	1.7841
109	1.6692	1.7062	1.6505	1.7252	1.6317	1.7446	1.6125	1.7644	1.5932	1.7846
110	1.6708	1.7074	1.6523	1.7262	1.6336	1.7455	1.6146	1.7651	1.5955	1.7851
111	1.6723	1.7086	1.6540	1.7273	1.6355	1.7463	1.6167	1.7657	1.5977	1.7855
112	1.6738	1.7098	1.6557	1.7283	1.6373	1.7472	1.6187	1.7664	1.5999	1.7860
113	1.6753	1.7110	1.6574	1.7293	1.6391	1.7480	1.6207	1.7670	1.6021	1.7864
114	1.6768	1.7122	1.6590	1.7303	1.6410	1.7488	1.6227	1.7677	1.6042	1.7869
115	1.6783	1.7133	1.6606	1.7313	1.6427	1.7496	1.6246	1.7683	1.6063	1.7874
116	1.6797	1.7145	1.6622	1.7323	1.6445	1.7504	1.6265	1.7690	1.6084	1.7878
117	1.6812	1.7156	1.6638	1.7332	1.6462	1.7512	1.6284	1.7696	1.6105	1.7883
118	1.6826	1.7167	1.6653	1.7342	1.6479	1.7520	1.6303	1.7702	1.6125	1.7887
119	1.6839	1.7178	1.6669	1.7352	1.6496	1.7528	1.6321	1.7709	1.6145	1.7892
120	1.6853	1.7189	1.6684	1.7361	1.6513	1.7536	1.6339	1.7715	1.6164	1.7896
121	1.6867	1.7200	1.6699	1.7370	1.6529	1.7544	1.6357	1.7721	1.6184	1.7901
122	1.6880	1.7210	1.6714	1.7379	1.6545	1.7552	1.6375	1.7727	1.6203	1.7905
123	1.6893	1.7221	1.6728	1.7388	1.6561	1.7559	1.6392	1.7733	1.6222	1.7910
124	1.6906	1.7231	1.6743	1.7397	1.6577	1.7567	1.6409	1.7739	1.6240	1.7914
125	1.6919	1.7241	1.6757	1.7406	1.6592	1.7574	1.6426	1.7745	1.6258	1.7919
126	1.6932	1.7252	1.6771	1.7415	1.6608	1.7582	1.6443	1.7751	1.6276	1.7923
127	1.6944	1.7261	1.6785	1.7424	1.6623	1.7589	1.6460	1.7757	1.6294	1.7928
128	1.6957	1.7271	1.6798	1.7432	1.6638	1.7596	1.6476	1.7763	1.6312	1.7932
129	1.6969	1.7281	1.6812	1.7441	1.6653	1.7603	1.6492	1.7769	1.6329	1.7937
130	1.6981	1.7291	1.6825	1.7449	1.6667	1.7610	1.6508	1.7774	1.6346	1.7941
131	1.6993	1.7301	1.6838	1.7458	1.6682	1.7617	1.6523	1.7780	1.6363	1.7945
132	1.7005	1.7310	1.6851	1.7466	1.6696	1.7624	1.6539	1.7786	1.6380	1.7950
133	1.7017	1.7319	1.6864	1.7474	1.6710	1.7631	1.6554	1.7791	1.6397	1.7954
134	1.7028	1.7329	1.6877	1.7482	1.6724	1.7638	1.6569	1.7797	1.6413	1.7958
135	1.7040	1.7338	1.6889	1.7490	1.6738	1.7645	1.6584	1.7802	1.6429	1.7962
136	1.7051	1.7347	1.6902	1.7498	1.6751	1.7652	1.6599	1.7808	1.6445	1.7967

Tabel Durbin-Watson (DW), $\alpha = 5\%$

n	k=1		k=2		k=3		k=4		k=5	
	dL	dU	dL	dU	dL	dU	dL	dU	dL	dU
137	1.7062	1.7356	1.6914	1.7506	1.6765	1.7659	1.6613	1.7813	1.6461	1.7971
138	1.7073	1.7365	1.6926	1.7514	1.6778	1.7665	1.6628	1.7819	1.6476	1.7975
139	1.7084	1.7374	1.6938	1.7521	1.6791	1.7672	1.6642	1.7824	1.6491	1.7979
140	1.7095	1.7382	1.6950	1.7529	1.6804	1.7678	1.6656	1.7830	1.6507	1.7984
141	1.7106	1.7391	1.6962	1.7537	1.6817	1.7685	1.6670	1.7835	1.6522	1.7988
142	1.7116	1.7400	1.6974	1.7544	1.6829	1.7691	1.6684	1.7840	1.6536	1.7992
143	1.7127	1.7408	1.6985	1.7552	1.6842	1.7697	1.6697	1.7846	1.6551	1.7996
144	1.7137	1.7417	1.6996	1.7559	1.6854	1.7704	1.6710	1.7851	1.6565	1.8000
145	1.7147	1.7425	1.7008	1.7566	1.6866	1.7710	1.6724	1.7856	1.6580	1.8004
146	1.7157	1.7433	1.7019	1.7574	1.6878	1.7716	1.6737	1.7861	1.6594	1.8008
147	1.7167	1.7441	1.7030	1.7581	1.6890	1.7722	1.6750	1.7866	1.6608	1.8012
148	1.7177	1.7449	1.7041	1.7588	1.6902	1.7729	1.6762	1.7871	1.6622	1.8016
149	1.7187	1.7457	1.7051	1.7595	1.6914	1.7735	1.6775	1.7876	1.6635	1.8020
150	1.7197	1.7465	1.7062	1.7602	1.6926	1.7741	1.6788	1.7881	1.6649	1.8024
151	1.7207	1.7473	1.7072	1.7609	1.6937	1.7747	1.6800	1.7886	1.6662	1.8028
152	1.7216	1.7481	1.7083	1.7616	1.6948	1.7752	1.6812	1.7891	1.6675	1.8032
153	1.7226	1.7488	1.7093	1.7622	1.6959	1.7758	1.6824	1.7896	1.6688	1.8036
154	1.7235	1.7496	1.7103	1.7629	1.6971	1.7764	1.6836	1.7901	1.6701	1.8040
155	1.7244	1.7504	1.7114	1.7636	1.6982	1.7770	1.6848	1.7906	1.6714	1.8044
156	1.7253	1.7511	1.7123	1.7642	1.6992	1.7776	1.6860	1.7911	1.6727	1.8048
157	1.7262	1.7519	1.7133	1.7649	1.7003	1.7781	1.6872	1.7915	1.6739	1.8052
158	1.7271	1.7526	1.7143	1.7656	1.7014	1.7787	1.6883	1.7920	1.6751	1.8055
159	1.7280	1.7533	1.7153	1.7662	1.7024	1.7792	1.6895	1.7925	1.6764	1.8059
160	1.7289	1.7541	1.7163	1.7668	1.7035	1.7798	1.6906	1.7930	1.6776	1.8063
161	1.7298	1.7548	1.7172	1.7675	1.7045	1.7804	1.6917	1.7934	1.6788	1.8067
162	1.7306	1.7555	1.7182	1.7681	1.7055	1.7809	1.6928	1.7939	1.6800	1.8070
163	1.7315	1.7562	1.7191	1.7687	1.7066	1.7814	1.6939	1.7943	1.6811	1.8074
164	1.7324	1.7569	1.7200	1.7693	1.7075	1.7820	1.6950	1.7948	1.6823	1.8078
165	1.7332	1.7576	1.7209	1.7700	1.7085	1.7825	1.6960	1.7953	1.6834	1.8082
166	1.7340	1.7582	1.7218	1.7706	1.7095	1.7831	1.6971	1.7957	1.6846	1.8085
167	1.7348	1.7589	1.7227	1.7712	1.7105	1.7836	1.6982	1.7961	1.6857	1.8089
168	1.7357	1.7596	1.7236	1.7718	1.7115	1.7841	1.6992	1.7966	1.6868	1.8092
169	1.7365	1.7603	1.7245	1.7724	1.7124	1.7846	1.7002	1.7970	1.6879	1.8096
170	1.7373	1.7609	1.7254	1.7730	1.7134	1.7851	1.7012	1.7975	1.6890	1.8100
171	1.7381	1.7616	1.7262	1.7735	1.7143	1.7856	1.7023	1.7979	1.6901	1.8103
172	1.7389	1.7622	1.7271	1.7741	1.7152	1.7861	1.7033	1.7983	1.6912	1.8107
173	1.7396	1.7629	1.7279	1.7747	1.7162	1.7866	1.7042	1.7988	1.6922	1.8110
174	1.7404	1.7635	1.7288	1.7753	1.7171	1.7872	1.7052	1.7992	1.6933	1.8114
175	1.7412	1.7642	1.7296	1.7758	1.7180	1.7877	1.7062	1.7996	1.6943	1.8117
176	1.7420	1.7648	1.7305	1.7764	1.7189	1.7881	1.7072	1.8000	1.6954	1.8121
177	1.7427	1.7654	1.7313	1.7769	1.7197	1.7886	1.7081	1.8005	1.6964	1.8124
178	1.7435	1.7660	1.7321	1.7775	1.7206	1.7891	1.7091	1.8009	1.6974	1.8128
179	1.7442	1.7667	1.7329	1.7780	1.7215	1.7896	1.7100	1.8013	1.6984	1.8131
180	1.7449	1.7673	1.7337	1.7786	1.7224	1.7901	1.7109	1.8017	1.6994	1.8135
181	1.7457	1.7679	1.7345	1.7791	1.7232	1.7906	1.7118	1.8021	1.7004	1.8138
182	1.7464	1.7685	1.7353	1.7797	1.7241	1.7910	1.7128	1.8025	1.7014	1.8141
183	1.7471	1.7691	1.7360	1.7802	1.7249	1.7915	1.7137	1.8029	1.7023	1.8145
184	1.7478	1.7697	1.7368	1.7807	1.7257	1.7920	1.7146	1.8033	1.7033	1.8148
185	1.7485	1.7702	1.7376	1.7813	1.7266	1.7924	1.7155	1.8037	1.7042	1.8151
186	1.7492	1.7708	1.7384	1.7818	1.7274	1.7929	1.7163	1.8041	1.7052	1.8155
187	1.7499	1.7714	1.7391	1.7823	1.7282	1.7933	1.7172	1.8045	1.7061	1.8158
188	1.7506	1.7720	1.7398	1.7828	1.7290	1.7938	1.7181	1.8049	1.7070	1.8161
189	1.7513	1.7725	1.7406	1.7833	1.7298	1.7942	1.7189	1.8053	1.7080	1.8165
190	1.7520	1.7731	1.7413	1.7838	1.7306	1.7947	1.7198	1.8057	1.7089	1.8168
191	1.7526	1.7737	1.7420	1.7843	1.7314	1.7951	1.7206	1.8061	1.7098	1.8171
192	1.7533	1.7742	1.7428	1.7848	1.7322	1.7956	1.7215	1.8064	1.7107	1.8174
193	1.7540	1.7748	1.7435	1.7853	1.7329	1.7960	1.7223	1.8068	1.7116	1.8178
194	1.7546	1.7753	1.7442	1.7858	1.7337	1.7965	1.7231	1.8072	1.7124	1.8181
195	1.7553	1.7759	1.7449	1.7863	1.7345	1.7969	1.7239	1.8076	1.7133	1.8184
196	1.7559	1.7764	1.7456	1.7868	1.7352	1.7973	1.7247	1.8079	1.7142	1.8187
197	1.7566	1.7769	1.7463	1.7873	1.7360	1.7977	1.7255	1.8083	1.7150	1.8190
198	1.7572	1.7775	1.7470	1.7878	1.7367	1.7982	1.7263	1.8087	1.7159	1.8193
199	1.7578	1.7780	1.7477	1.7882	1.7374	1.7986	1.7271	1.8091	1.7167	1.8196
200	1.7584	1.7785	1.7483	1.7887	1.7382	1.7990	1.7279	1.8094	1.7176	1.8199