Lampiran 1 Kuesioner

KUESIONER PENELITIAN

Kepada

Yth. Bapak/Ibu

PT. Pelabuhan Indonesia III (Persero) Cabang Tanjung Perak

Dengan hormat,

Sehubungan dengan penelitian yang akan dilakukan sebagai penunjang proposal yang berjudul **"Analisis Keterlambatan dan Efektifitas Kinerja Bongkar Muat Petikemas Terhadap Pendapatan Terminal Mirah PT. Pelabuhan Indonesia III Cabang Tanjung Perak Surabaya"** dan disusun sebagai tugas akhir (skripsi) pada Program Studi Administrasi Bisnis STIA dan Manajemen Kepelabuhan Barunawati Surabaya. Saya mohon kesediaan Bapak/Ibu untuk mengisi kuesioner yang terlampir berikut ini. Kesediaan Bapak/Ibu untuk mengisi pendapat atas pernyataan-pernyataan yang diajukan dalam kuesioner ini sangat berharga bagi keberhasilan penelitian ini dan bukan untuk maksud evaluasi atau penilaian. Seluruh jawaban yang Bapak/Ibu berikan akan dirahasiakan.

Atas bantuan dan partisipasi Bapak/Ibu , saya sampaikan terima kasih.

Peneliti

(Erlien Hinriyani)

A. TATA CARA PENGISIAN KUESIONER:

1. Isilah jawaban dengan memberikan tanda centang (V) pada jwaban yang anda pilih.
2. Ada empat alternatif dari jawaban yang anda pilih. Masing-masing alternatif mempunyai poin/nilai yang berbeda
    - Sangat Setuju (SS) -> 5
    - Setuju (S) -> 4
    - Netral (N) -> 3
    - Tidak Setuju (TS) -> 2
    - Sangat Tidak Setuju (STS) -> 1

Jawaban dari Bapak/Ibu akan sangat mempengaruhi hasil dan objektivitas dari penelitian ini. Bila ada pernyataan yang kurang jelas bisa menghubungi nomor hp. Dan atas segala partisipasi dan kerjasama dari Bapak/Ibu, saya atas nama peneliti menyampaikan terima kasih

A. Variabel Keterlambatan Bongkar Muat

No.	Pernyataan	SS	S	N	TS	STS
1.	Saya selalu datang tepat waktu					
2.	Saya selalu menyelesaikan pekerjaan tepat waktu					
3.	Saya mentaati semua peraturan yang diberlakukan di perusahaan					
4.	Saya pernah menjumpai peralatan bongkar muat rusak dalam 24 jam					
5.	Saya pernah tidak bekerja karena cuaca buruk					
6.	Saya pernah menjumpai suatu siklus bongkar muat dengan TKBM yang berjalan tidak sesuai dengan standar kerja					
7.	Saya pernah menjumpai kapal datang tidak sesuai jadwal yang telah ditetapkan					
8.	Apakah keterlambatan bongkar muat petikemas sering terjadi di terminal petikemas					

B. Variabel Efektifitas Bongkar Muat

No.	Pernyataan	SS	S	N	TS	STS
1.	Saya pernah menjumpai antrian truck panjang					
2.	Saya pernah menjumpai kekurangan jumlah TKBM di kegiatan bongkar muat					
3.	Saya pernah menjumpai penumpukan petikemas di dermaga (kade lossing)					
4.	Saya merasa kegiatan bongkar muat petikemas menggunakan TKBM kurang efisien					
5.	Saya merasa kegiatan bongkar muat menggunakan alat lebih efisien					
6.	Saya dapat menyelesaikan pekerjaan dengan efektif dan efisien sehingga tidak perlu banyak instruksi					

C. Variabel Efektifitas Kinerja Bongkar Muat

No.	Pernyataan	SS	S	N	TS	STS
1.	Menurut anda apakah penumpukan perikemas di dermaga (kade lossing) menambah pendapatan terminal					
2.	Menurut anda pakah keterlambatan bongkar muat menambah pendapatan di terminal mirah					
3.	Menurut anda apakah efektifitas kinerja bongkar muat menambah pendapatan di terminal mirah					
4.	Apakah transipment (alih kapal) menambah pendapatan di terminal mirah					
5.	Apakah pembayaran bongkar muat di terminal mirah sering terjadi ketidaksinambungan					
6.	Saya selalu berusaha mencapai target kerja yang telah ditentukan oleh perusahaan					

Lampiran 2 Kinerja Bongkar Muat Petikemas Terminal Mirah Tahun 2018

KINERJA BONGKAR MUAT PETIKEMAS TERMINAL MIRAH

Tahun 2018

No.	Bulan	Jumlah Kapal	Jumlah Alat	Total B/M (Box)	BT (Jam, Menit)	BWT (Jam, Menit)	IT (Jam)	NOT (Jam)	ET (Jam)	B/C/H		ET : BT (%)
										Gross	Net	
1	Januari	46	59	10.669	1438,48	1254,63	192	378,1	868,38	284,61	471,76	27,68
2	Februari	44	60	12.534	1586,17	1132,92	145,67	453,25	987,25	288,35	456,30	27,33
3	Maret	51	69	13.226	1606,80	1192,75	178	414,05	1014,75	346,33	539,24	32,51
4	April	36	53	8.242	1410,35	949,15	123,67	461,2	825,48	162,00	275,43	21,00
5	Mei	41	55	8.412	1364,52	896,53	117,33	467,98	779,2	232,30	395,60	23,63
6	Juni	39	48	7.274	906,88	604,42	79,17	302,47	525,25	283,57	473,67	23,05
7	Juli	39	51	8.708	1288,00	906,28	152,00	381,72	754,28	243,01	393,65	23,21
8	Agustus	36	47	7.494	1201,02	828,92	177,25	372,10	651,67	203,71	368,57	19,88
9	September	37	53	9.129	1106,00	773,18	126,88	332,82	646,30	228,21	391,49	21,63
10	Oktober	26	38	4.371	770,02	536,58	73,12	233,43	463,47	125,58	207,62	15,74
11	November	49	59	11.244	1480,17	1103,48	110,83	376,68	992,65	326,73	511,54	31,91
12	Desember	41	58	10.066	1161,07	798,67	104,02	362,40	694,65	269,34	434,91	25,05
TOTAL		**485**	**650**	**111.369,00**	**15319,47**	**10977,52**	**1579,93**	**4536,2**	**9203,33**	**2993,72**	**4919,76**	**292,62**
RATA - RATA PER BULAN		**40,41667**	**54,16667**	**9280,75**	**1276,62**	**914,79**	**131,66**	**378,02**	**766,94**	**249,48**	**409,98**	**24,38**

Lampiran 3 Pendapatan Terminal Mirah Tahun 2017 - 2018

PENDAPATAN TERMINAL MIRAH

TAHUN 2017 - 2018

Tahun	Periode	Jumlah		
		Box	Pendapatan	
2017	Triwulan I	41.173	Rp	17.271.734.960
	Triwulan II	32.489	Rp	13.803.367.980
	Triwulan III	41.754	Rp	16.967.883.820
	Triwulan IV	38.347	Rp	17.956.360.095
TOTAL		**153.763**	**Rp**	**65.999.346.855**
2018	Triwulan I	36.417	Rp	17.037.842.045
	Triwulan II	24.165	Rp	10.845.062.820
	Triwulan III	25.326	Rp	12.775.882.285
	Triwulan IV	29.618	Rp	13.698.155.120
TOTAL		**115.526**	**Rp**	**54.356.942.270**

Lampiran 4 Tabulasi Variabel Keterlambatan (X1)

NO.	X1.1	X1.2	X1.3	X1.4	X1.5	X1.6	X1.7	X1.8	TOTAL
1	5	5	4	5	4	5	4	4	36
2	4	5	4	5	4	4	4	4	34
3	4	4	3	4	4	4	4	5	32
4	4	4	4	4	4	3	5	4	32
5	4	4	4	4	4	4	4	4	32
6	4	4	5	4	4	3	4	4	32
7	5	5	4	5	4	4	4	5	36
8	5	4	5	4	5	5	4	5	37
9	4	5	4	5	5	5	5	4	37
10	5	5	5	5	4	4	5	5	38
11	5	5	5	5	5	5	5	5	40
12	5	5	4	4	4	5	4	4	35
13	4	5	4	4	5	4	4	4	34
14	4	4	4	4	4	4	5	4	33
15	4	4	4	4	4	4	4	4	32
16	4	3	3	4	3	3	4	5	29
17	4	4	4	4	5	4	3	4	32
18	5	4	5	4	4	4	4	4	34
19	5	5	4	5	4	4	4	4	35
20	5	4	5	5	5	5	4	5	38
21	5	5	5	5	5	5	5	4	39
22	5	5	4	4	4	4	4	4	34
23	4	4	4	5	4	4	4	4	33
24	4	4	4	4	4	4	4	3	31
25	3	4	4	4	3	4	5	4	31
26	4	3	3	4	4	3	4	4	29
27	4	4	4	3	4	4	4	3	30
28	4	4	3	4	4	4	3	4	30
29	4	4	4	5	4	5	4	4	34
30	5	5	5	4	5	4	4	4	36
31	3	4	4	5	5	5	4	5	35
32	5	5	5	4	4	5	5	4	37
33	5	5	5	5	4	4	4	3	35
34	4	4	4	5	5	5	4	4	35
35	5	4	5	4	4	4	3	4	33
36	5	5	5	5	5	5	5	5	40
37	5	5	5	5	5	3	4	4	36
38	3	3	4	4	4	5	4	5	32

39	4	5	3	3	5	4	3	4	31
40	4	4	4	4	4	3	4	5	32
41	4	4	4	3	4	4	4	4	31
42	5	5	5	4	4	4	5	4	36
43	5	5	4	5	5	3	4	4	35
44	5	4	4	4	4	4	4	5	34
45	4	3	4	3	3	4	4	4	29
46	4	4	5	4	4	4	5	3	33
47	4	4	5	4	4	5	4	5	35
48	5	5	4	5	5	4	4	5	37
49	4	5	5	4	5	5	4	5	37
50	5	5	2	5	5	5	3	4	34
51	4	4	4	4	4	4	4	5	33
52	5	3	4	4	4	4	4	4	32
53	4	4	3	4	5	5	5	4	34
54	4	4	4	5	4	5	4	4	34

Lampiran 5 : Tabulasi Variabel Efektifitas Sistem Kinerja Bongkar Muat (X2)

NO.	X2.1	X2.2	X2.3	X2.4	X2.5	X2.6	TOTAL
1	5	5	4	4	4	5	27
2	5	4	5	5	4	4	27
3	4	4	4	4	4	4	24
4	4	4	4	4	4	4	24
5	4	5	4	4	4	4	25
6	4	5	4	4	5	4	26
7	5	4	5	5	4	5	28
8	5	5	4	5	5	4	28
9	5	5	5	5	5	5	30
10	5	5	5	5	5	5	30
11	4	5	5	5	5	5	29
12	5	4	4	4	5	5	27
13	4	4	5	4	4	4	25
14	4	4	4	5	4	4	25
15	4	3	4	4	4	4	23
16	4	4	4	4	4	4	24
17	4	4	4	4	4	4	24
18	5	4	4	5	4	4	26
19	4	5	5	5	5	5	29
20	5	5	5	4	5	5	29
21	5	5	5	5	4	5	29
22	4	4	5	5	5	5	28
23	5	5	4	4	4	4	26
24	4	4	4	4	4	4	24
25	4	4	4	4	4	3	23
26	4	3	4	4	4	4	23
27	5	5	5	5	5	5	30
28	4	5	4	4	4	5	26
29	5	4	5	4	5	4	27
30	4	4	5	5	5	5	28
31	5	5	5	5	5	5	30
32	5	5	5	5	5	5	30
33	5	5	5	5	5	5	30
34	5	4	5	5	5	4	28
35	4	5	5	4	4	5	27
36	5	5	4	4	4	5	27
37	5	4	5	5	4	4	27
38	4	4	4	4	4	4	24
39	4	4	4	4	4	4	24
40	4	5	4	4	4	4	25

41	4	5	4	4	5	4	26
42	5	4	5	5	4	5	28
43	5	5	4	5	5	4	28
44	5	5	5	5	5	5	30
45	5	5	5	5	5	5	30
46	4	5	5	5	5	5	29
47	5	4	4	4	5	5	27
48	4	4	5	4	4	4	25
49	4	4	4	5	4	4	25
50	5	4	5	5	4	4	27
51	4	4	4	4	4	4	24
52	4	5	5	4	5	5	28
53	3	4	4	4	4	4	23
54	5	5	5	5	5	5	30

Lampiran 6 : Tabulasi Variabel Pendapatan (Y)

NO.	Y.1	Y.2	Y.3	Y.4	Y.5	Y.6	TOTAL
1	5	5	5	5	5	4	29
2	5	5	5	5	4	5	29
3	5	5	5	4	4	4	27
4	4	4	4	4	4	4	24
5	4	5	4	4	5	4	26
6	5	4	4	4	5	4	26
7	4	4	5	5	4	5	27
8	5	5	4	5	5	4	28
9	4	5	5	5	5	5	29
10	4	5	4	5	5	5	28
11	5	5	5	4	5	5	29
12	5	4	5	5	4	4	27
13	4	5	4	4	4	5	26
14	4	4	5	4	4	4	25
15	4	4	4	4	3	4	23
16	4	4	4	4	4	4	24
17	5	5	5	4	4	4	27
18	4	5	5	5	4	4	27
19	5	4	4	4	5	5	27
20	5	5	5	5	5	5	30
21	5	5	5	5	5	5	30
22	4	5	4	4	4	5	26
23	4	4	5	5	5	4	27
24	5	5	4	4	4	4	26
25	4	4	4	4	4	4	24
26	4	4	3	4	3	4	22
27	5	5	5	5	5	5	30
28	4	4	5	4	5	4	26
29	5	5	4	5	4	5	28
30	5	5	5	4	4	5	28
31	5	4	5	5	5	5	29
32	5	5	5	5	5	5	30
33	5	5	4	5	5	5	29
34	4	5	5	5	4	5	28
35	5	4	5	4	5	5	28
36	5	5	5	5	5	5	30
37	4	5	4	4	4	5	26
38	4	4	5	5	5	4	27
39	5	5	4	4	4	4	26
40	4	4	4	4	4	4	24

41	4	4	3	4	3	4	22
42	5	5	5	5	5	5	30
43	4	4	5	4	5	4	26
44	5	5	4	5	4	5	28
45	5	5	5	4	4	5	28
46	5	4	5	5	5	5	29
47	5	5	5	5	5	5	30
48	5	5	4	5	5	5	29
49	4	5	5	5	4	5	28
50	5	5	5	5	5	4	29
51	5	5	5	5	4	5	29
52	5	5	5	4	4	4	27
53	4	4	4	4	4	4	24
54	4	5	4	4	5	4	26

Lampiran 7 Hasil Uji Validitas Variabel Keterlambatan (X1)

Correlations

		X1.1	X1.2	X1.3	X1.4	X1.5	X1.6	X1.7	X1.8	TOTAL
X1.1	Pearson Correlation	1	,534**	,352**	,321*	,251	,045	,024	,031	,584**
	Sig. (2-tailed)		,000	,009	,018	,067	,747	,866	,824	,000
	N	54	54	54	54	54	54	54	54	54
X1.2	Pearson Correlation	,534**	1	,262	,439**	,486**	,204	,150	-,040	,694**
	Sig. (2-tailed)	,000		,055	,001	,000	,138	,280	,773	,000
	N	54	54	54	54	54	54	54	54	54
X1.3	Pearson Correlation	,352**	,262	1	,150	,121	,131	,387**	,048	,577**
	Sig. (2-tailed)	,009	,055		,278	,385	,343	,004	,733	,000
	N	54	54	54	54	54	54	54	54	54
X1.4	Pearson Correlation	,321*	,439**	,150	1	,364**	,274*	,166	,189	,654**
	Sig. (2-tailed)	,018	,001	,278		,007	,045	,230	,172	,000
	N	54	54	54	54	54	54	54	54	54
X1.5	Pearson Correlation	,251	,486**	,121	,364**	1	,355**	-,057	,156	,600**
	Sig. (2-tailed)	,067	,000	,385	,007		,008	,680	,260	,000
	N	54	54	54	54	54	54	54	54	54
X1.6	Pearson Correlation	,045	,204	,131	,274*	,355**	1	,135	,179	,536**
	Sig. (2-tailed)	,747	,138	,343	,045	,008		,332	,195	,000
	N	54	54	54	54	54	54	54	54	54
X1.7	Pearson Correlation	,024	,150	,387**	,166	-,057	,135	1	,027	,408**
	Sig. (2-tailed)	,866	,280	,004	,230	,680	,332		,849	,002
	N	54	54	54	54	54	54	54	54	54
X1.8	Pearson Correlation	,031	-,040	,048	,189	,156	,179	,027	1	,345*
	Sig. (2-tailed)	,824	,773	,733	,172	,260	,195	,849		,011
	N	54	54	54	54	54	54	54	54	54
TOTAL	Pearson Correlation	,584**	,694**	,577**	,654**	,600**	,536**	,408**	,345*	1
	Sig. (2-tailed)	,000	,000	,000	,000	,000	,000	,002	,011	
	N	54	54	54	54	54	54	54	54	54

Lampiran 8 : Hasil Uji Validitas Variabel Efektifitas Sistem Kinerja Bongkar Muat (X2)

Correlations

		X2.1	X2.2	X2.3	X2.4	X2.5	X2.6	TOTAL
X2.1	Pearson Correlation	1	,299*	,381**	,483**	,341*	,383**	,673**
	Sig. (2-tailed)		,028	,004	,000	,012	,004	,000
	N	54	54	54	54	54	54	54
X2.2	Pearson Correlation	,299*	1	,261	,225	,482**	,511**	,661**
	Sig. (2-tailed)	,028		,056	,101	,000	,000	,000
	N	54	54	54	54	54	54	54
X2.3	Pearson Correlation	,381**	,261	1	,593**	,447**	,556**	,744**
	Sig. (2-tailed)	,004	,056		,000	,001	,000	,000
	N	54	54	54	54	54	54	54
X2.4	Pearson Correlation	,483**	,225	,593**	1	,406**	,379**	,707**
	Sig. (2-tailed)	,000	,101	,000		,002	,005	,000
	N	54	54	54	54	54	54	54
X2.5	Pearson Correlation	,341*	,482**	,447**	,406**	1	,513**	,737**
	Sig. (2-tailed)	,012	,000	,001	,002		,000	,000
	N	54	54	54	54	54	54	54
X2.6	Pearson Correlation	,383**	,511**	,556**	,379**	,513**	1	,780**
	Sig. (2-tailed)	,004	,000	,000	,005	,000		,000
	N	54	54	54	54	54	54	54
TOTAL	Pearson Correlation	,673**	,661**	,744**	,707**	,737**	,780**	1
	Sig. (2-tailed)	,000	,000	,000	,000	,000	,000	
	N	54	54	54	54	54	54	54

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

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

Lampiran 9 Hasil Uji Validitas Variabel Pendapatan (Y)

Correlations

		Y.1	Y.2	Y.3	Y.4	Y.5	Y.6	TOTAL
Y.1	Pearson Correlation	1	,394**	,321*	,298*	,326*	,331*	,660**
	Sig. (2-tailed)		,003	,018	,029	,016	,014	,000
	N	54	54	54	54	54	54	54
Y.2	Pearson Correlation	,394**	1	,185	,307*	,162	,412**	,594**
	Sig. (2-tailed)	,003		,180	,024	,242	,002	,000
	N	54	54	54	54	54	54	54
Y.3	Pearson Correlation	,321*	,185	1	,424**	,418**	,259	,674**
	Sig. (2-tailed)	,018	,180		,001	,002	,059	,000
	N	54	54	54	54	54	54	54
Y.4	Pearson Correlation	,298*	,307*	,424**	1	,404**	,445**	,718**
	Sig. (2-tailed)	,029	,024	,001		,002	,001	,000
	N	54	54	54	54	54	54	54
Y.5	Pearson Correlation	,326*	,162	,418**	,404**	1	,253	,672**
	Sig. (2-tailed)	,016	,242	,002	,002		,065	,000
	N	54	54	54	54	54	54	54
Y.6	Pearson Correlation	,331*	,412**	,259	,445**	,253	1	,663**
	Sig. (2-tailed)	,014	,002	,059	,001	,065		,000
	N	54	54	54	54	54	54	54
TOTAL	Pearson Correlation	,660**	,594**	,674**	,718**	,672**	,663**	1
	Sig. (2-tailed)	,000	,000	,000	,000	,000	,000	
	N	54	54	54	54	54	54	54

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

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

Lampiran 10 Hasil Uji Reliabilitas Variabel Keterlambatan (X1)

Reliability

Scale: ALL VARIABLES

Case Processing Summary

		N	%
Cases	Valid	54	100,0
	Excluded[a]	0	,0
	Total	54	100,0

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

Reliability Statistics

Cronbach's Alpha	N of Items
,674	8

Lampiran 11 Hasil Uji Reliabilitas Variabel Efektifitas Sistem Kinerja Bongkar Muat (X2)

Reliability

Scale: ALL VARIABLES

Case Processing Summary

		N	%
Cases	Valid	54	100,0
	Excluded[a]	0	,0
	Total	54	100,0

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

Reliability Statistics

Cronbach's Alpha	N of Items
,809	6

Lampiran 12 Hasil Uji Reliabilitas Variabel Pendapatan (Y)

Reliability

Scale: ALL VARIABLES

Case Processing Summary

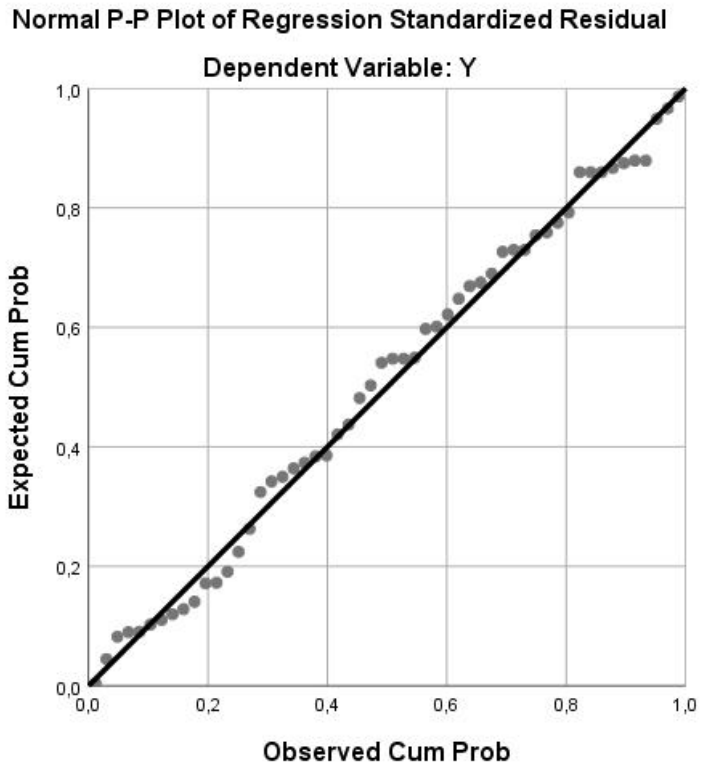
		N	%
Cases	Valid	54	100,0
	Excluded[a]	0	,0
	Total	54	100,0

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

Reliability Statistics

Cronbach's Alpha	N of Items
,744	6

Lampiran 13 Hasil Uji Normalitas

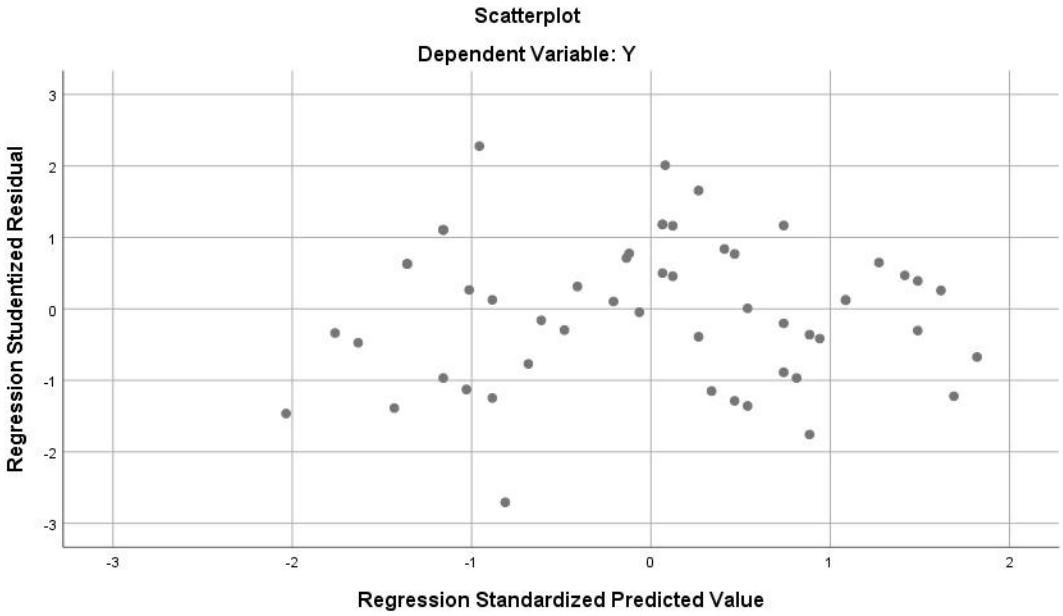


Lampiran 14 One Sample Kolmogorov Test

One-Sample Kolmogorov-Smirnov Test

		Unstandardized Residual
N		54
Normal Parameters[a,b]	Mean	,0000000
	Std. Deviation	1,45441874
Most Extreme Differences	Absolute	,061
	Positive	,061
	Negative	-,060
Test Statistic		,061
Asymp. Sig. (2-tailed)		,200[c,d]

Lampiran 15 Hasil Uji Heteroskedastisitas



Lampiran 16 Hasil Uji Multikolinieritas

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	Collinearity Statistics	
		B	Std. Error	Beta			Tolerance	VIF
1	(Constant)	5,565	2,903		1,917	,061		
	X1	,307	,086	,393	3,560	,001	,768	1,303
	X2	,417	,103	,448	4,060	,000	,768	1,303

a. Dependent Variable: Y

Lampiran 17 Hasil Uji Regresi Linier Berganda

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients		
		B	Std. Error	Beta	t	Sig.
1	(Constant)	5,565	2,903		1,917	,061
	X1	,307	,086	,393	3,560	,001
	X2	,417	,103	,448	4,060	,000

a. Dependent Variable: Y

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	,724[a]	,524	,505	1,483

a. Predictors: (Constant), X2, X1

Lampiran 18 Tabel Uji F

df untuk Penyebut	df untuk pembilang (N1)														
(N2)	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**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**
46	4.05	3.20	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	2.57	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	2.57	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	2.56	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	2.56	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	2.55	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	2.55	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	2.55	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	2.54	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	2.54	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	2.54	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	2.53	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	2.53	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	2.53	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	2.53	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	2.52	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	2.52	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	2.52	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	2.52	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	2.51	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	2.51	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	2.51	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	2.51	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	2.50	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	2.50	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	2.50	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	2.50	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	2.50	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	2.50	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	2.49	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	2.49	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	2.49	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	2.49	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	2.49	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	2.49	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	2.48	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	2.48	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	2.48	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	2.48	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	2.48	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	2.48	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	2.48	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	2.48	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	2.47	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	2.47	2.32	2.20	2.11	2.04	1.99	1.94	1.90	1.86	1.83	1.80	1.78
91	3.95	3.10	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	2.47	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	2.47	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	2.47	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	2.47	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	2.47	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	2.47	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	2.46	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	2.46	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	2.46	2.31	2.19	2.10	2.03	1.97	1.93	1.89	1.85	1.82	1.79	1.77

Lampiran 19 Tabel Uji t

Titik Persentase Distribusi t (dk = 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
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
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**
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

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
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

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
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

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
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 20 Tabel Pearson Product Moment

Nilai-Nilai R *Product Moment*

N	Taraf Signif		N	Taraf Signif		N	Taraf Signif	
	5%	1%		5%	1%		5%	1%
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 21 Reach Stacker

Lampiran 22 Forklift

Lampiran 23 Rubber Tyred Gantry (RTG)