



## LAMPIRAN

### Lampiran 1. Ethical Clearance

	<b>KOMISI ETIK PENELITIAN KESEHATAN (KEPK) FAKULTAS KEDOKTERAN UNIVERSITAS DIPONEGORO DAN RSUP dr KARIADI SEMARANG</b> Sekretariat : Kantor Dekanat FK Undip Lt.3 Jl. Dr. Soetomo 18. Semarang Telp.024-8311523/Fax. 024-8446905	
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
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**ETHICAL CLEARANCE**  
**No.514 /EC/FK-RSDK/2014**

Komisi Etik Penelitian Kesehatan Fakultas Kedokteran Universitas Diponegoro-RSUP. Dr. Kariadi Semarang, setelah membaca dan menelaah USULAN Penelitian dengan :

Judul	: <b>Kadar Kortisol, Tissue Plasminogen Activator (tPA) Serta Derajat Adhesi Pasca Laparoskopi dan Laparotomi</b>
Peneliti	: dr. Yoke Fajar Satrio N
Judul	: <b>Kadar Kortisol, Interleukin-10 (IL-10) Serta Derajat Adhesi Pasca Laparoskopi dan Laparotomi</b>
Peneliti	: dr. Ridwan Mataram
Judul	: <b>Kadar Kortisol, Interleukin-6 (IL-6) Serta Derajat Adhesi Pasca Laparoskopi dan Laparotomi</b>
Peneliti	: dr. Joseph Ananggadipa
Judul	: <b>Kadar Kortisol, Interleukin-1 (IL-1) Serta Derajat Adhesi Pasca Laparoskopi dan Laparotomi</b>
Peneliti	: dr. Hery Purwanto
Judul	: <b>Kadar Kortisol, Transforming growth Factor-<math>\beta</math> (TGF- <math>\beta</math>) Serta Derajat Adhesi Pasca Laparoskopi dan Laparotomi</b>
Peneliti	: dr. Agung Pribadi
Judul	: <b>Kadar Kortisol, Gambaran Histopatologi Gaster Pasca Laparoskopi dan Laparotomi.</b>
Peneliti	: dr. Jerry Ferdinand H Saragih
Penelitian	: Dilaksanakan di Laboratorium Penelitian dan Pengujian Terpadu Universitas Gajah Mada Yogyakarta.

Setuju untuk dilaksanakan, dengan memperhatikan prinsip-prinsip yang dinyatakan dalam Deklarasi Helsinki 1975, yang diamended di Seoul 2008 dan Pedoman Nasional Etik Penelitian Kesehatan (PNEPK) Departemen Kesehatan RI 2011.  
Pada laporan akhir peneliti harus melampirkan cara pemeliharaan & dekapitasi hewan coba dan melaporkan ke KEPK bahwa penelitian sudah selesai di lampiri Abstrak Penelitian.

Semarang, **22 AUG 2014**  
Komisi Etik Penelitian Kesehatan  
Fakultas Kedokteran Undip-RSUP Dr. Kariadi  
Ketua,  
  
Prof. Dr. dr. Suprihati, M.Sc, Sp.THT-KL(K)  
NIP. 19500621197703 2 00



## Lampiran 2. Data Dasar Penelitian

No.	Kelompok	Cortisol.pre	Cortisol.post	$\Delta$ Cortisol	tPA	Adhesi
1	Laparotomy	8.0	29.11	21.09	23.59	3
2	Laparotomy	2.2	23.9	21.69	31.1	3
3	Laparotomy	10.4	17.5	7.1	24.65	3
4	Laparotomy	7.4	27.5	20.06	13.84	3
5	Laparotomy	5.6	25.5	19.82	22.15	3
6	Laparotomy	9.9	27.1	17.2	30.79	4
7	Laparoscopy	8.3	23.3	15	57.61	1
8	Laparoscopy	5.1	18.4	13.3	52.57	0
9	Laparoscopy	2.3	15.9	13.6	63.79	0
10	Laparoscopy	9.3	17.1	7.8	62.74	0
11	Laparoscopy	2.5	14.1	11.6	50.68	0
12	Laparoscopy	3.3	23.6	20.3	48.5	1

## Lampiran 3. Output Analisa Statistik dengan Program SPSS

### Explore

#### Case Summaries

Kelompok		Cortisol.pre	Cortisol.post
Laparotomy	N	6	6
	Mean	7.2750	25.1017
	Std. Deviation	3.01452	4.12796
	Median	7.7300	26.3000
	Minimum	2.21	17.50
	Maximum	10.40	29.11
Laparoscopy	N	6	6
	Mean	5.1333	18.7333
	Std. Deviation	3.02368	3.91952
	Median	4.2000	17.7500
	Minimum	2.30	14.10
	Maximum	9.30	23.60
Total	N	12	12
	Mean	6.2042	21.9175
	Std. Deviation	3.08825	5.07830
	Median	6.5600	23.4500
	Minimum	2.21	14.10
	Maximum	10.40	29.11

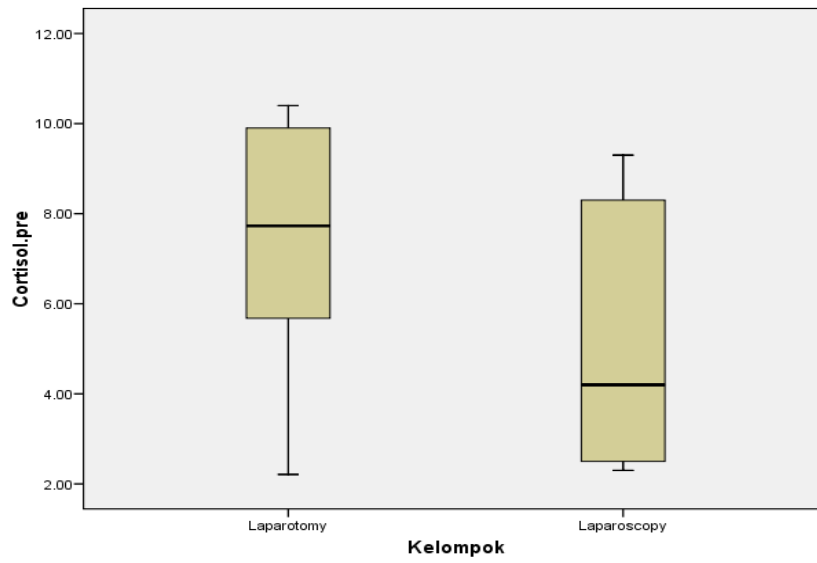
**Tests of Normality**

Kelompok		Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Cortisol.pre	Laparotomy	.188	6	.200*	.930	6	.583
	Laparoscopy	.228	6	.200*	.865	6	.207
Cortisol.post	Laparotomy	.219	6	.200*	.871	6	.232
	Laparoscopy	.211	6	.200*	.897	6	.356

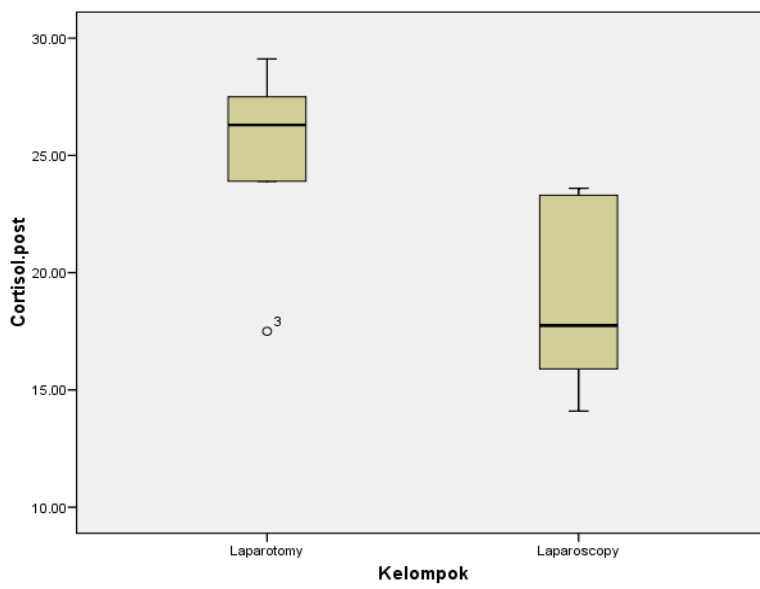
\*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

## Cortisol.pre



## Cortisol.post



# Laparotomy

## T-Test

**Paired Samples Statistics**

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Cortisol.pre	7.2750	6	3.01452	1.23067
	Cortisol.post	25.1017	6	4.12796	1.68523

**Paired Samples Correlations**

		N	Correlation	Sig.
Pair 1	Cortisol.pre & Cortisol.post	6	-.156	.769

**Paired Samples Test**

		Pair 1
		Cortisol.pre - Cortisol.post
Paired Differences	Mean	-17.82667
	Std. Deviation	5.47704
	Std. Error Mean	2.23599
95% Confidence Interval of the Difference	Lower	-23.57447
	Upper	-12.07886
t		-7.973
df		5
Sig. (2-tailed)		.001

# Laparoscopy

## T-Test

**Paired Samples Statistics**

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Cortisol.pre	5.1333	6	3.02368	1.23441
	Cortisol.post	18.7333	6	3.91952	1.60014

**Paired Samples Correlations**

		N	Correlation	Sig.
Pair 1	Cortisol.pre & Cortisol.post	6	.320	.536

**Paired Samples Test**

		Pair 1
		Cortisol.pre - Cortisol.post
Paired Differences	Mean	-13.60000
	Std. Deviation	4.11291
	Std. Error Mean	1.67909
	95% Confidence Interval of the Difference	Lower Upper
		-17.91623 -9.28377
t		-8.100
df		5
Sig. (2-tailed)		.000

## T-Test

### Group Statistics

Kelompok		N	Mean	Std. Deviation	Std. Error Mean
Cortisol.pre	Laparotomy	6	7.2750	3.01452	1.23067
	Laparoscopy	6	5.1333	3.02368	1.23441

### Independent Samples Test

		Cortisol.pre	
		Equal variances assumed	Equal variances not assumed
Levene's Test for Equality of Variances	F	.059	
	Sig.	.813	
t-test for Equality of Means	t	1.229	1.229
	df	10	10.000
	Sig. (2-tailed)	.247	.247
	Mean Difference	2.14167	2.14167
	Std. Error Difference	1.74308	1.74308
95% Confidence Interval of the Difference	Lower	-1.74216	-1.74217
	Upper	6.02550	6.02550

## T-Test

### Group Statistics

Kelompok		N	Mean	Std. Deviation	Std. Error Mean
Cortisol.post	Laparotomy	6	25.1017	4.12796	1.68523
	Laparoscopy	6	18.7333	3.91952	1.60014

### Independent Samples Test

		Cortisol. post	
		Equal variances assumed	Equal variances not assumed
Levene's Test for Equality of Variances	F	.026	
	Sig.	.875	
t-test for Equality of Means	t	2.740	2.740
	df	10	9.973
	Sig. (2-tailed)	.021	.021
	Mean Difference	6.36833	6.36833
	Std. Error Difference	2.32389	2.32389
	95% Confidence Interval of the Difference	Lower Upper	Lower Upper
		1.19039 11.54627	1.18851 11.54816

## Explore

### tPA

#### Case Summaries

tPA

Kelompok	N	Mean	Std. Deviation	Median	Minimum	Maximum
Laparotomy	6	55.9817	6.40342	55.0900	48.50	63.79
Laparoscopy	6	24.3533	6.37187	24.1200	13.84	31.10
Total	12	40.1675	17.60443	39.8000	13.84	63.79

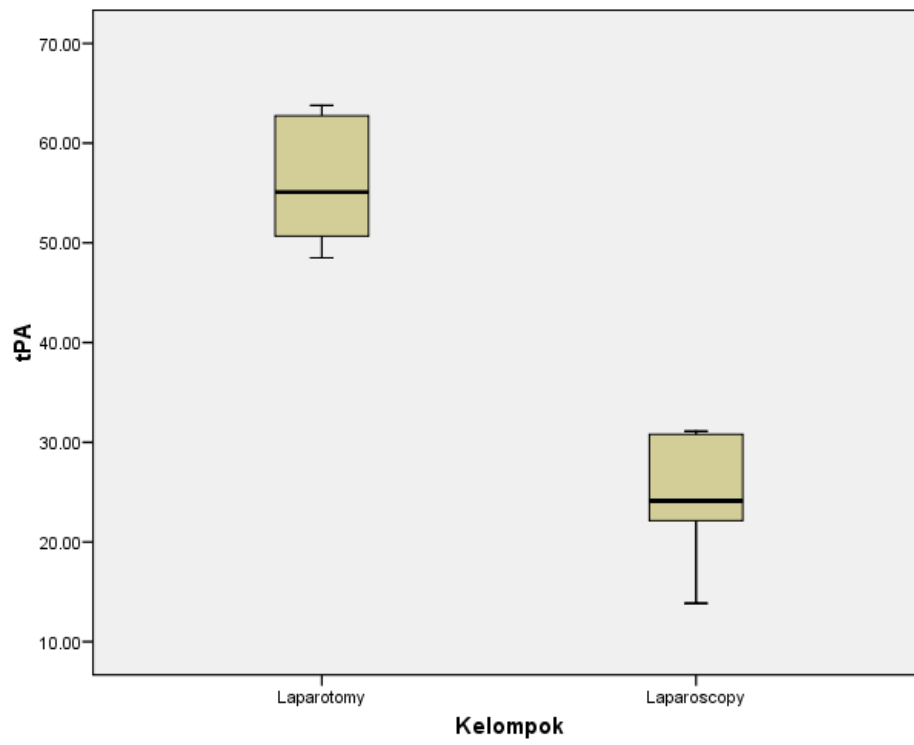
#### Tests of Normality

Kelompok	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
tPA Laparotomy	.203	6	.200*	.910	6	.438
Laparoscopy	.198	6	.200*	.913	6	.459

\*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction





## T-Test

### Group Statistics

	Kelompok	N	Mean	Std. Deviation	Std. Error Mean
tPA	Laparotomy	6	55.9817	6.40342	2.61419
	Laparoscopy	6	24.3533	6.37187	2.60131

### Independent Samples Test

		tPA	
		Equal variances assumed	Equal variances not assumed
Levene's Test for Equality of Variances	F	.219	
	Sig.	.650	
t-test for Equality of Means	t	8.576	8.576
	df	10	10.000
	Sig. (2-tailed)	.000	.000
	Mean Difference	31.62833	31.62833
	Std. Error Difference	3.68792	3.68792
	95% Confidence Interval of the Difference		
	Lower	23.41113	23.41111
	Upper	39.84553	39.84556

## Explore

### Adhesi

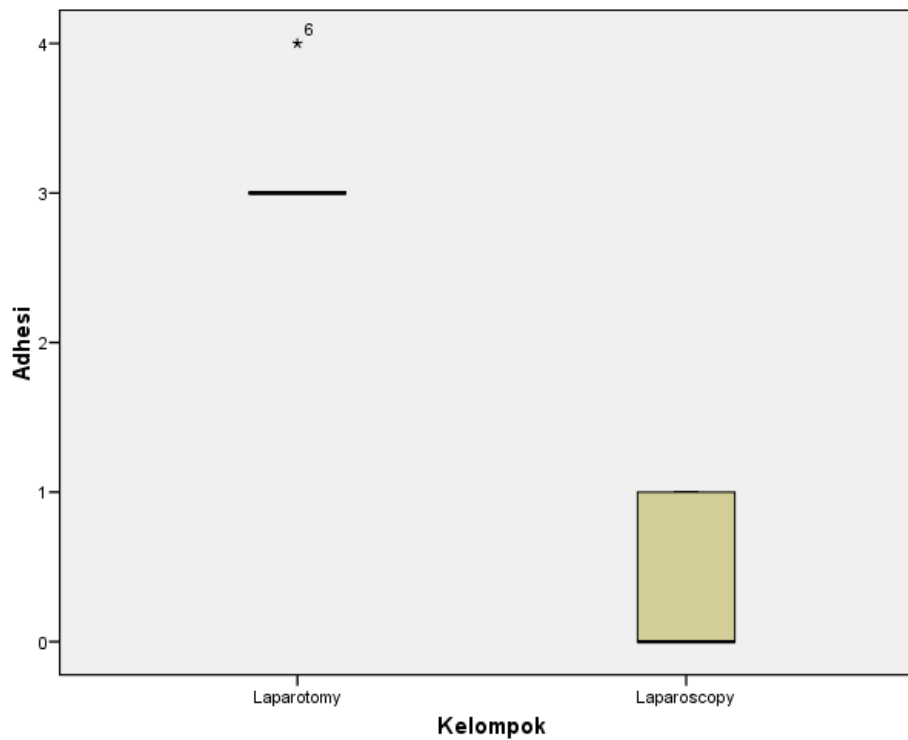
#### Case Summaries

Adhesi						
Kelompok	N	Mean	Std. Deviation	Median	Minimum	Maximum
Laparotomy	6	3.17	.408	3.00	3	4
Laparoscopy	6	.33	.516	.00	0	1
Total	12	1.75	1.545	2.00	0	4

#### Tests of Normality

Kelompok	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Adhesi Laparotomy	.407	6	.002	.640	6	.001
Laparoscopy	.492	6	.000	.496	6	.000

a. Lilliefors Significance Correction



## NPar Tests

### Mann-Whitney Test

#### Ranks

	Kelompok	N	Mean Rank	Sum of Ranks
Adhesi	Laparotomy	6	9.50	57.00
	Laparoscopy	6	3.50	21.00
	Total	12		

#### Test Statistics<sup>b</sup>

	Adhesi
Mann-Whitney U	.000
Wilcoxon W	21.000
Z	-3.052
Asymp. Sig. (2-tailed)	.002
Exact Sig. [2*(1-tailed Sig.)]	.002 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: Kelompok

## Explore

### Case Summaries

	Cortisol.post	tPA	Adhesi
N	12	12	12
Mean	21.9175	40.1675	1.75
Std. Deviation	5.07830	17.60443	1.545
Median	23.4500	39.8000	2.00
Minimum	14.10	13.84	0
Maximum	29.11	63.79	4

### Tests of Normality

	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Cortisol.post	.191	12	.200*	.926	12	.341
tPA	.197	12	.200*	.908	12	.199
Adhesi	.291	12	.006	.811	12	.012

\*. This is a lower bound of the true significance.

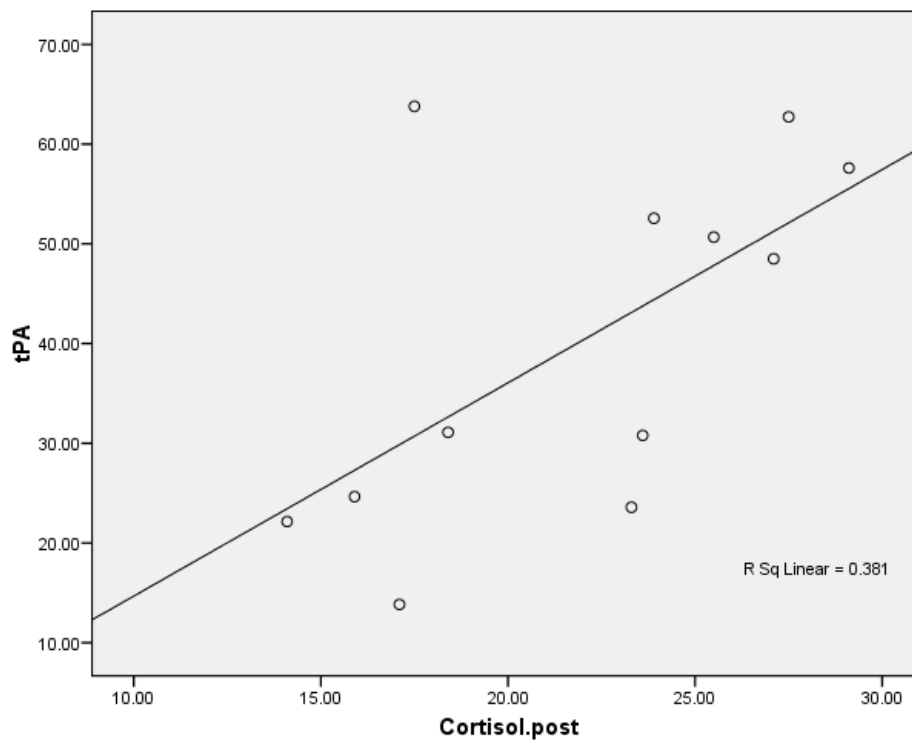
a. Lilliefors Significance Correction

## Correlations

Correlations

		Cortisol.post	tPA
Cortisol.post	Pearson Correlation	1	.617*
	Sig. (2-tailed)		.033
	N	12	12
tPA	Pearson Correlation	.617*	1
	Sig. (2-tailed)	.033	
	N	12	12

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

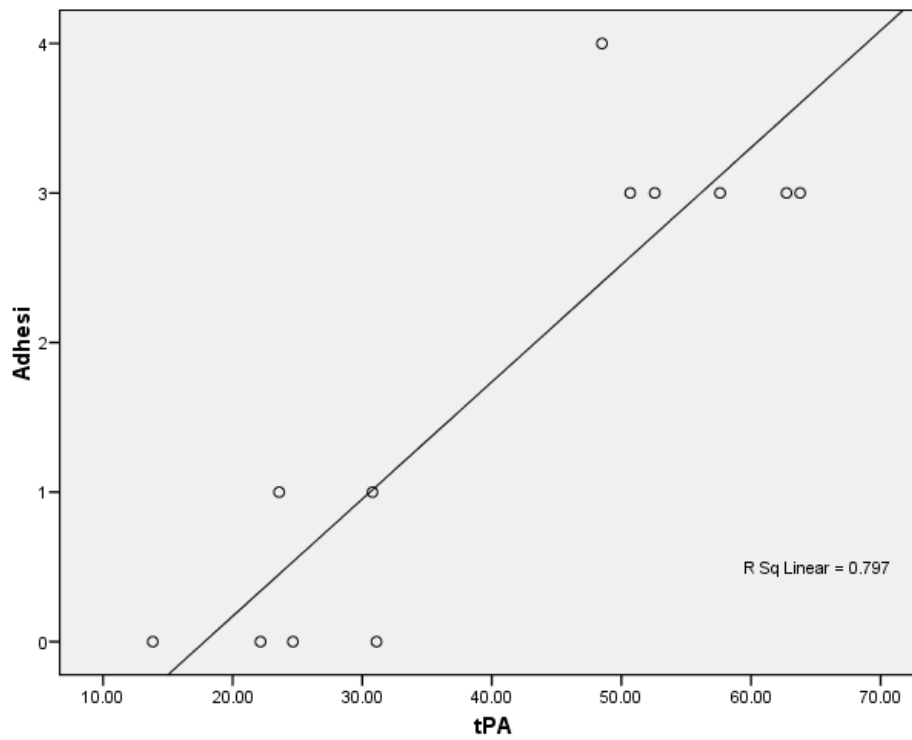


## Nonparametric Correlations

Correlations

			tPA	Adhesi
Spearman's rho	tPA	Correlation Coef ficient	1.000	.767**
		Sig. (2-tailed)	.	.004
		N	12	12
	Adhesi	Correlation Coef ficient	.767**	1.000
		Sig. (2-tailed)	.004	.
		N	12	12

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

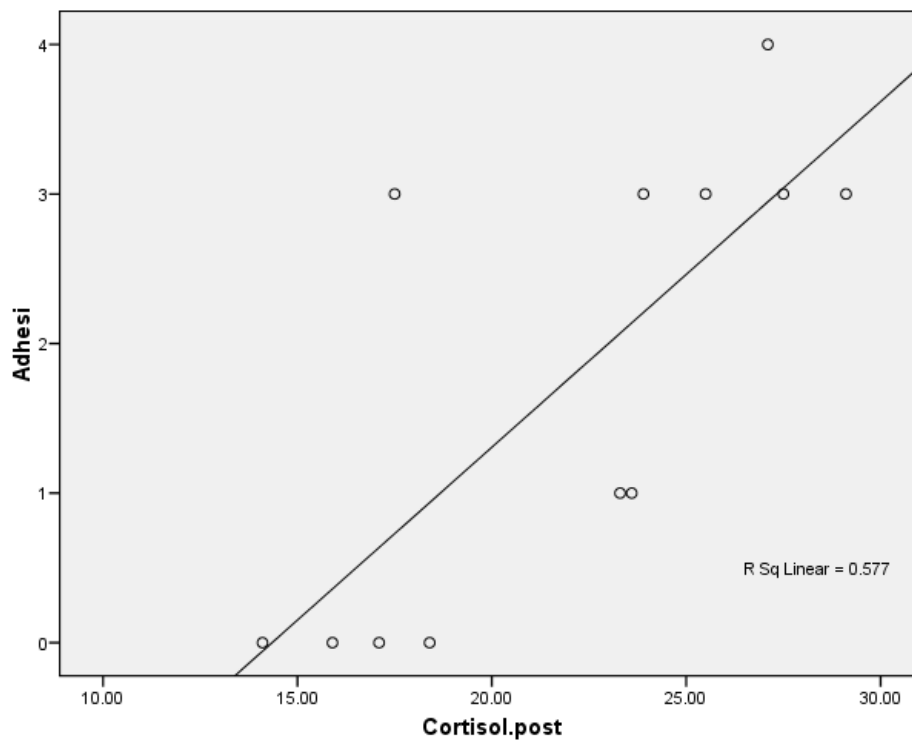


## Nonparametric Correlations

**Correlations**

			Cortisol.post	Adhesi
Spearman's rho	Cortisol.post	Correlation Coef ficient	1.000	.800**
		Sig. (2-tailed)	.	.002
		N	12	12
	Adhesi	Correlation Coef ficient	.800**	1.000
		Sig. (2-tailed)	.002	.
		N	12	12

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





## Explore

### Delta Cortisol

#### Case Summaries

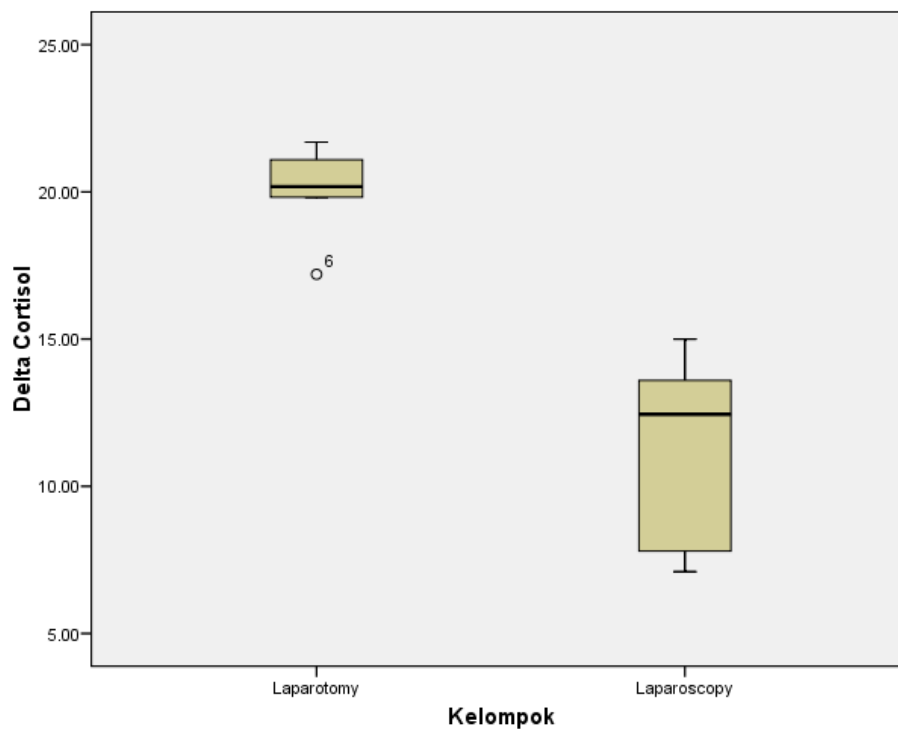
Delta Cortisol						
Kelompok	N	Mean	Std. Deviation	Median	Minimum	Maximum
Laparotomy	6	20,0267	1,54958	20,1800	17,20	21,69
Laparoscopy	6	11,4000	3,25269	12,4500	7,10	15,00
Total	12	15,7133	5,11827	16,1000	7,10	21,69

#### Tests of Normality

Kelompok	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Delta Cortisol Laparotomy	,280	6	,153	,888	6	,306
Laparoscopy	,220	6	,200*	,889	6	,313

\*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction



## T-Test

### Group Statistics

	Kelompok	N	Mean	Std. Deviation	Std. Error Mean
Delta Cortisol	Laparotomy	6	20,0267	1,54958	,63261
	Laparoscopy	6	11,4000	3,25269	1,32791

### Independent Samples Test

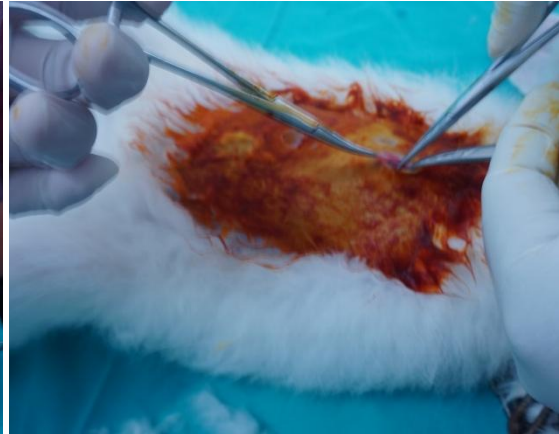
		Delta Cortisol	
		Equal variances assumed	Equal variances not assumed
Levene's Test for Equality of Variances	F	4,599	
	Sig.	,058	
t-test for Equality of Means	t	5,865	5,865
	df	10	7,158
	Sig. (2-tailed)	,000	,001
	Mean Difference	8,62667	8,62667
	Std. Error Difference	1,47089	1,47089
	95% Confidence Interval of the Difference		
	Lower	5,34931	5,16409
	Upper	11,90402	12,08924

**Lampiran 4. Gambar kegiatan penelitian**

**Lampiran 4.1. Pembiusan**



**Lampiran 4.2. Laparotomi**



**Lampiran 4.3. Laparoscopi**



**Lampiran 4.4. Laparoscopi abrasi ileum**



**Lampiran 4.5. *tPA ELISA Kit dan Micro Plate Reader***



