

# LAMPIRAN



Fakultas Kedokteran dan Ilmu Kesehatan  
Universitas Muhammadiyah Yogyakarta

**SURAT KETERANGAN  
KELAYAKAN ETIKA PENELITIAN**

Nomor : 016/EP-FKIK-UMY/II/2016

Komisi Etika Penelitian Fakultas Kedokteran dan Ilmu Kesehatan Universitas Muhammadiyah Yogyakarta yang terdiri atas :

1. Prof. dr.H. Djauhar Ismail, Sp.A(K), Ph.D.
2. Prof.Dr.dr.H. Soewito A, Sp.THT-KL
3. drg. Ana Medawati, M.Kes
4. drh. Tri Wulandari, M.Kes
5. Dr. dr. Titiek Hidayati, M. Kes
6. Dr. dr. Tri Wahyuliati, Sp. S., M. Kes
7. Titih Huriyah, Ns., M. Kep., Sp. Kom
8. Dr. drg. Tita Ratya Utari, Sp. Ort
9. Sabtanti Harimurti, Ph. D., Apt
10. Dr. dr. Arlina Dewi, MMR
11. Yuni Permatasari Istanti, S. Kep. Ns., Sp. KMB
12. Dra. Irma Risdiyana, Apt., MPH
13. dr. Inayati Habib, Sp. MK., M. Kes

Telah mengkaji permohonan kelayakan etika penelitian yang diajukan oleh :

**Nama Peneliti** : Alam Nirbita  
**NIM** : 2012103004  
**Judul Penelitian** : Studi Korelasi : Faktor Resiko IDO dengan Kejadian IDO pada Pasien Bedah Digestiv di RS PKU Muhammadiyah Bantul  
**Pada Tanggal** : 23 Januari 2016  
**Dengan Hasil** : Layak Etik

Demikian surat keterangan ini diberikan untuk dapat digunakan sebagaimana mestinya.

Yogyakarta, 26 Januari 2016



Dr. dr. Titiek Hidayati, M. Kes



Kampus

Jl. Lingkar Selatan, Tamantirta, Kasihan, Bantul, Yogyakarta 55183  
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*Muda mendunia*



**RUMAH SAKIT UMUM  
PKU MUHAMMADIYAH  
BANTUL**

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Certificate ID:0611041

**SURAT IZIN PENELITIAN**

No. 1466/KET/A/09.14

*Assalaamu'alaikum wr. wb.*

Yang bertanda tangan dibawah ini:

nama : dr. Widiyanto Danang Prabowo, MPH  
jabatan : Direktur  
instansi : RSU PKU Muhammadiyah Bantul  
alamat : Jl. Jenderal Sudirman No. 124 Bantul

dengan ini memberikan izin kepada:

nama : Alam Nirbita  
NIM : 20121030004  
prodi/prog. : Manajemen Rumah Sakit/Pascasarjana  
institusi : Universitas Muhammadiyah Yogyakarta


untuk melakukan penelitian di RSU PKU Muhammadiyah Bantul guna penyusunan Tesis dengan judul "Studi Korelasi : Faktor Resiko Infeksi Daerah Operasi Kejadian Inflamasi Daerah Operasi pada Pasien Pasca Bedah Digestiv di RSU PKU Muhammadiyah Bantul."

Selanjutnya, kepada mahasiswa tersebut dimohon untuk menyerahkan hasil Tesisnya kepada RSU PKU Muhammadiyah Bantul.

Surat izin penelitian ini kami buat agar dipergunakan sebagaimana mestinya.

*Wassalaamu'alaikum wr. wb.*

Bantul, 22 September 2014  
Direktur,

  
dr. Widiyanto Danang Prabowo, MPH  
NBM. 1.067.920

Tembusan :

- Manajer/Ka.bag/Bid/Inst/Sub/Sie/Ru/Koord. Ruang Terkait

*Layanan Kita Bedah*

**24**  
jam

PALAYANAN 24 JAM - IGD - RADIOLOGI - LABORATORIUM - FARMASI - KAMAR BERSALIN - ICU - KAMAR OPERASI - HDNC - AMBULANCE 118 - AMBULANCE SIAGA BENCANA (PAU/DM)  
POLIKLINIK UMUM - GIGI - AKUPUNKTURE - FISIOTERAPI - GIZI - FOLKLORE - SPESIALIS ANAK - TUMBUH KEMBANG ANAK - KEBIDANAN & PENYAKIT KANDUNGAN - BEDAH UMUM  
BEDAH MULUT - BEDAH ANAK - BEDAH DIGESTIVE - BEDAH ORTHOPEDI - BEDAH THORAX & VASCULER - PENYAKIT DALAM - THT - MATA - KULTI & KELAMIN - STAFAP - PSIKIA

## FORMULIR RESPONDEN PENELITIAN

1. No. RM :.....
2. Jenis kelamin : L/P
3. Usia :..... tahun
4. Status ASA : I/II
5. Riwayat Penyakit Dahulu : DM/HT/Jantung/ Ginjal/ lainnya:.....
6. Diagnosis pre operasi :.....
7. Diagnosis post operasi :.....
8. Durante operasi :.....menit
9. BMI : ..... BB:.....kg TB:.....cm
10. Sifat operasi : emergency/ elektiv
11. Tanda inflamasi : eritem/pus/ serous/ pemisahan tepi  
luka

## ***INFORMED CONSENT PENELITIAN***

Yang bertanda tangan di bawah ini:

Nama :

Jenis kelamin :

Usia :

Alamat :

Menyatakan dengan sesungguhnya bersedia untuk menjadi responden penelitian yang berjudul : **“PENGARUH FAKTOR RESIKO INFEKSI DAERAH OPERASI DENGAN KEJADIAN INFEKSI DAERAH OPERASI (IDO) PADA BEDAH DIGESTIV DI RS PKU MUHAMMADIYAH BANTUL”**

Adapun sebelumnya telah mendapatkan penjelasan mengenai jalannya penelitian, proses pengambilan data, kerahasiaan, manfaat, dan resiko.

Hormat saya,

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## ANALISIS BIVARIAT

### Crosstabs Status Gizi \* Kejadian ILO

**Crosstab**

			Kejadian ILO		Total
			Positiv	Negativ	
Status Gizi	Malnutrisi	Count	10	13	23
		% within Status Gizi	43.5%	56.5%	100.0%
		% within Kejadian ILO	66.7%	37.1%	46.0%
		% of Total	20.0%	26.0%	46.0%
	Normal	Count	5	22	27
		% within Status Gizi	18.5%	81.5%	100.0%
		% within Kejadian ILO	33.3%	62.9%	54.0%
Total	Count	15	35	50	
	% within Status Gizi	30.0%	70.0%	100.0%	
	% within Kejadian ILO	100.0%	100.0%	100.0%	
	% of Total	30.0%	70.0%	100.0%	

**Chi-Square Tests**

	Value	df	Asymp. Sig. (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	3.685 <sup>b</sup>	1	.055		
Continuity Correction <sup>a</sup>	2.592	1	.107		
Likelihood Ratio	3.719	1	.054		
Fisher's Exact Test				.070	.054
Linear-by-Linear Association	3.611	1	.057		
N of Valid Cases	50				

a. Computed only for a 2x2 table

b. 0 cells (.0%) have expected count less than 5. The minimum expected count is 6.90.

### Risk Estimate

	Value	95% Confidence Interval	
		Lower	Upper
Odds Ratio for Status Gizi (Malnutrisi / Normal)	3.385	.947	12.098
For cohort Kejadian ILO = Positiv	2.348	.937	5.881
For cohort Kejadian ILO = Negativ	.694	.465	1.036
N of Valid Cases	50		

### Jenis Operasi \* Kejadian ILO

#### Crosstab

			Kejadian ILO		Total
			Positiv	Negativ	
Jenis Operasi	Kotor	Count	13	8	21
		% within Jenis Operasi	61.9%	38.1%	100.0%
		% within Kejadian ILO	86.7%	22.9%	42.0%
		% of Total	26.0%	16.0%	42.0%
Bersih		Count	2	27	29
		% within Jenis Operasi	6.9%	93.1%	100.0%
		% within Kejadian ILO	13.3%	77.1%	58.0%
		% of Total	4.0%	54.0%	58.0%
Total		Count	15	35	50
		% within Jenis Operasi	30.0%	70.0%	100.0%
		% within Kejadian ILO	100.0%	100.0%	100.0%
		% of Total	30.0%	70.0%	100.0%

### Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	17.550 <sup>b</sup>	1	.000		
Continuity Correction <sup>a</sup>	15.029	1	.000		
Likelihood Ratio	18.621	1	.000		
Fisher's Exact Test				.000	.000
Linear-by-Linear Association	17.199	1	.000		
N of Valid Cases	50				

a. Computed only for a 2x2 table

b. 0 cells (.0%) have expected count less than 5. The minimum expected count is 6.30.

### Risk Estimate

	Value	95% Confidence Interval	
		Lower	Upper
Odds Ratio for Jenis Operasi (Kotor / Bersih)	21.938	4.069	118.278
For cohort Kejadian ILO = Positiv	8.976	2.261	35.633
For cohort Kejadian ILO = Negativ	.409	.235	.712
N of Valid Cases	50		



## Sifat Operasi \* Kejadian ILO

Crosstab

			Kejadian ILO		Total
			Positiv	Negativ	
Sifat Operasi	Emergency	Count	7	6	13
		% within Sifat Operasi	53.8%	46.2%	100.0%
		% within Kejadian ILO	46.7%	17.1%	26.0%
		% of Total	14.0%	12.0%	26.0%
	Elektiv	Count	8	29	37
		% within Sifat Operasi	21.6%	78.4%	100.0%
		% within Kejadian ILO	53.3%	82.9%	74.0%
Total	Count	15	35	50	
	% within Sifat Operasi	30.0%	70.0%	100.0%	
	% within Kejadian ILO	100.0%	100.0%	100.0%	
	% of Total	30.0%	70.0%	100.0%	

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	4.757 <sup>b</sup>	1	.029		
Continuity Correction <sup>a</sup>	3.346	1	.067		
Likelihood Ratio	4.508	1	.034		
Fisher's Exact Test				.040	.036
Linear-by-Linear Association	4.662	1	.031		
N of Valid Cases	50				

a. Computed only for a 2x2 table

b. 1 cells (25.0%) have expected count less than 5. The minimum expected count is 3.90.

### Risk Estimate

	Value	95% Confidence Interval	
		Lower	Upper
Odds Ratio for Sifat Operasi (Emergency / Elektiv)	4.229	1.105	16.188
For cohort Kejadian ILO = Positiv	2.490	1.126	5.507
For cohort Kejadian ILO = Negativ	.589	.320	1.085
N of Valid Cases	50		

## Durante Operasi \* Kejadian ILO

Crosstab

			Kejadian ILO		Total
			Positiv	Negativ	
Durante Operasi	Lama	Count	10	4	14
		% within Durante Operasi	71.4%	28.6%	100.0%
		% within Kejadian ILO	66.7%	11.4%	28.0%
		% of Total	20.0%	8.0%	28.0%
	Singkat	Count	5	31	36
		% within Durante Operasi	13.9%	86.1%	100.0%
		% within Kejadian ILO	33.3%	88.6%	72.0%
Total	Count	15	35	50	
	% within Durante Operasi	30.0%	70.0%	100.0%	
	% within Kejadian ILO	100.0%	100.0%	100.0%	
	% of Total	30.0%	70.0%	100.0%	

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	15.892 <sup>b</sup>	1	.000		
Continuity Correction <sup>a</sup>	13.270	1	.000		
Likelihood Ratio	15.323	1	.000		
Fisher's Exact Test				.000	.000
Linear-by-Linear Association	15.574	1	.000		
N of Valid Cases	50				

a. Computed only for a 2x2 table

b. 1 cells (25.0%) have expected count less than 5. The minimum expected count is 4.20.

### Risk Estimate

	Value	95% Confidence Interval	
		Lower	Upper
Odds Ratio for Durante Operasi (Lama / Singkat)	15.500	3.474	69.159
For cohort Kejadian ILO = Positiv	5.143	2.137	12.377
For cohort Kejadian ILO = Negativ	.332	.143	.767
N of Valid Cases	50		

# ANALISIS MULTIVARIAT

## Logistic Regression

### Case Processing Summary

Unweighted Cases <sup>a</sup>		N	Percent
Selected Cases	Included in Analysis	50	100,0
	Missing Cases	0	,0
	Total	50	100,0
Unselected Cases		0	,0
Total		50	100,0

a. If weight is in effect, see classification table for the total number of cases.

### Dependent Variable Encoding

Original Value	Internal Value
Positiv	0
Negativ	1

## Block 0: Beginning Block

Classification Table<sup>a,b</sup>

Observed			Predicted		
			IDO		Percentage Correct
			Positiv	Negativ	
Step 0	IDO	Positiv	0	15	,0
		Negativ	0	35	100,0
Overall Percentage					70,0

a. Constant is included in the model.

b. The cut value is ,500

### Variables in the Equation

	B	S.E.	Wald	df	Sig.	Exp(B)
Step 0 Constant	,847	,309	7,538	1	,006	2,333

**Variables not in the Equation**

			Score	df	Sig.
Step 0	Variables	Status_Gizi	3,685	1	,055
		Jenis_Operasi	17,550	1	,000
		Sifat_Operasi	4,757	1	,029
		Durante	15,892	1	,000
Overall Statistics			27,335	4	,000

**Block 1: Method = Enter**

**Omnibus Tests of Model Coefficients**

		Chi-square	df	Sig.
Step 1	Step	34,735	4	,000
	Block	34,735	4	,000
	Model	34,735	4	,000

**Model Summary**

Step	-2 Log likelihood	Cox & Snell R Square	Nagelkerke R Square
1	26,352 <sup>a</sup>	,501	,710

a. Estimation terminated at iteration number 7 because parameter estimates changed by less than ,001.

**Hosmer and Lemeshow Test**

Step	Chi-square	df	Sig.
1	2,901	6	,821

**Contingency Table for Hosmer and Lemeshow Test**

		IDO = Positiv		IDO = Negativ		Total
		Observed	Expected	Observed	Expected	
Step 1	1	6	5,493	0	,507	6
	2	3	3,681	2	1,319	5
	3	5	4,910	3	3,090	8
	4	0	,433	6	5,567	6
	5	0	,100	2	1,900	2
	6	1	,350	7	7,650	8
	7	0	,005	2	1,995	2
	8	0	,027	13	12,973	13

**Classification Table<sup>a</sup>**

Observed	IDO	Predicted			
		IDO		Percentage Correct	
		Positiv	Negativ		
Step 1	IDO	Positiv	14	1	93,3
		Negativ	5	30	85,7
Overall Percentage					88,0

a. The cut v alue is ,500

**Variables in the Equation**

	B	S.E.	Wald	df	Sig.	Exp(B)	95,0% C.I. for EXP(B)		
							Lower	Upper	
Step 1	Status_Gizi	3,084	1,440	4,588	1	,032	21,839	1,300	366,996
	Jenis_Operasi	3,499	1,273	7,557	1	,006	33,081	2,730	400,873
	Sifat_Operasi	,142	1,175	,015	1	,904	1,152	,115	11,528
	Durante	3,753	1,412	7,063	1	,008	42,653	2,679	679,202
	Constant	-14,787	4,972	8,846	1	,003	,000		

a. Variable(s) entered on step 1: Status\_Gizi, Jenis\_Operasi, Sifat\_Operasi, Durante.