

## DAFTAR PUSTAKA

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## LAMPIRAN

### Formulir Isian Pasien untuk Penelitian

Nama :  
 Umur/Tempat, Tanggal Lahir :  
 Catatan Medik :  
 Diagnosis Masuk ICU :  
 APACHE II Score :  
 Lama Perawatan di ICU :  
 Lama penggunaan ventilator :  
     a. Tanggal mulai :  
     b. Tanggal dilepas :  
 Biaya Perawatan :  
 (rincian biaya berdasarkan pembayaran pasien pada sistem Manajemen ICU RSUP  
 dr. Kariadi)  
     a. Akomodasi dan konsultasi :  
     b. Laboratorium Patologi Klinik :  
     c. Pemeriksaan mikrobiologi :  
     d. Tindakan medik :  
     e. Radio diagnostic :  
     f. Pemakaian alat medik :  
     g. Pelayanan obat atau alat kesehatan:  
     h. Obat anti rupture :  
 Outcome klinis pasien : Keluar ICU Hidup/Meninggal/Pulang Paksa \*)

*\*coret salah satu*

## Lampiran Dokumentasi



**Keterangan.** Foto 1. Contoh rekam medis ICU; Foto 2. Bed pasien ICU; Foto 3. Fasilitas monitor di ICU; Foto 4. Foto peneliti bersama pembimbing dan staf ICU.; Foto 5. Foto peneliti bersama pembimbing dan staf ICU; Foto 6. ICU RSUP dr. Kariadi.

## Lampiran Hasil SPSS

### Data Deskriptif

#### Jenis Kelamin

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid laki-laki	14	42.4	42.4	42.4
perempuan	19	57.6	57.6	100.0
Total	33	100.0	100.0	

#### Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
Usia Pasien	33	22	84	52.88	15.650
Valid N (listwise)	33				

#### Kelompok Usia Pasien

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid kurang dari 44 tahun	13	39.4	39.4	39.4
>= 44 tahun	20	60.6	60.6	100.0
Total	33	100.0	100.0	

#### Skor APACHE

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid skor apache tinggi (>24)	11	33.3	33.3	33.3
skor apache sedang(=<24)	22	66.7	66.7	100.0
Total	33	100.0	100.0	

#### Diagnosis Masuk ICU

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid gagal 2 sistem atau kurang	20	60.6	60.6	60.6
gagal tiga sistem atau lebih	13	39.4	39.4	100.0
Total	33	100.0	100.0	



**Penggunaan Ventilator**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid pakai	19	57.6	57.6	57.6
tidak pakai	14	42.4	42.4	100.0
Total	33	100.0	100.0	

**lamarawatedit**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid lama rawat normal	16	48.5	48.5	48.5
lama rawat diperpanjang	17	51.5	51.5	100.0
Total	33	100.0	100.0	

**Kelompok Biaya Perawatan**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid rendah (<20juta)	14	42.4	42.4	42.4
tinggi (>20juta)	19	57.6	57.6	100.0
Total	33	100.0	100.0	

**Hasil Perawatan**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid hidup	17	51.5	51.5	51.5
meninggal	16	48.5	48.5	100.0
Total	33	100.0	100.0	

**Data Analitik**

## 1. Analisis Pemakaian Ventilator dengan Hasil Perawatan

**Penggunaan Ventilator \* Hasil Perawatan Crosstabulation**

			Hasil Perawatan		Total
			hidup	meninggal	
Penggunaan Ventilator	pakai	Count	5	14	19
		Expected Count	9.8	9.2	19.0

	tidak pakai	Count	12	2	14
		Expected Count	7.2	6.8	14.0
Total		Count	17	16	33
		Expected Count	17.0	16.0	33.0

#### Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	11.386 <sup>a</sup>	1	.001		
Continuity Correction <sup>b</sup>	9.132	1	.003		
Likelihood Ratio	12.333	1	.000		
Fisher's Exact Test				.001	.001
Linear-by-Linear Association	11.041	1	.001		
N of Valid Cases	33				

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 6.79.

b. Computed only for a 2x2 table

#### Risk Estimate

	Value	95% Confidence Interval	
		Lower	Upper
Odds Ratio for Penggunaan Ventilator (pakai / tidak pakai)	.060	.010	.364
For cohort Hasil Perawatan = hidup	.307	.140	.671
For cohort Hasil Perawatan = meninggal	5.158	1.390	19.134
N of Valid Cases	33		

## 2. Analisis Skor APACHE II dengan Hasil Perawatan

#### Skor APACHE \* Hasil Perawatan Crosstabulation

			Hasil Perawatan		Total
			hidup	meninggal	
Skor APACHE	skor apache tinggi (>24)	Count	1	10	11
		Expected Count	5.7	5.3	11.0
	skor apache rendah (<24)	Count	16	6	22
		Expected Count	11.3	10.7	22.0
Total	Count	17	16	33	
	Expected Count	17.0	16.0	33.0	

## Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	11.890 <sup>a</sup>	1	.001		
Continuity Correction <sup>b</sup>	9.478	1	.002		
Likelihood Ratio	13.233	1	.000		
Fisher's Exact Test				.001	.001
Linear-by-Linear Association	11.529	1	.001		
N of Valid Cases	33				

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 5.33.

b. Computed only for a 2x2 table

## Risk Estimate

	Value	95% Confidence Interval	
		Lower	Upper
Odds Ratio for Skor APACHE (skor apache tinggi (>24) / skor apache rendah (<24))	.038	.004	.359
For cohort Hasil Perawatan = hidup	.125	.019	.824
For cohort Hasil Perawatan = meninggal	3.333	1.643	6.763
N of Valid Cases	33		

## 3. Analisis Lama Perawatan dengan Hasil Perawatan

## lamarawatedit \* Hasil Perawatan Crosstabulation

			Hasil Perawatan		Total
			hidup	meninggal	
Lama rawat	lama rawat normal	Count	13	3	16
		Expected Count	8.2	7.8	16.0
	lama rawat diperpanjang	Count	4	13	17
		Expected Count	8.8	8.2	17.0
Total	Count	17	16	33	
	Expected Count	17.0	16.0	33.0	

### Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	10.994 <sup>a</sup>	1	.001		
Continuity Correction <sup>b</sup>	8.805	1	.003		
Likelihood Ratio	11.725	1	.001		
Fisher's Exact Test				.002	.001
Linear-by-Linear Association	10.661	1	.001		
N of Valid Cases	33				

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 7.76.

b. Computed only for a 2x2 table

### Risk Estimate

	Value	95% Confidence Interval	
		Lower	Upper
Odds Ratio for lamarawat (lama rawat normal / lama rawat diperpanjang)	14.083	2.617	75.777
For cohort Hasil Perawatan = hidup	3.453	1.420	8.398
For cohort Hasil Perawatan = meninggal	.245	.085	.703
N of Valid Cases	33		

#### 4. Analisis Biaya Perawatan dengan Hasil Perawatan

##### biayarawatinterval \* Hasil Perawatan Crosstabulation

			Hasil Perawatan		Total
			hidup	meninggal	
biayarawatinterval	rendah (<20juta)	Count	11	3	14
		Expected Count	7.2	6.8	14.0
	tinggi (>20juta)	Count	6	13	19
		Expected Count	9.8	9.2	19.0
Total	Count	17	16	33	
	Expected Count	17.0	16.0	33.0	

### Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	7.127 <sup>a</sup>	1	.008		
Continuity Correction <sup>b</sup>	5.369	1	.020		
Likelihood Ratio	7.470	1	.006		
Fisher's Exact Test				.013	.009
Linear-by-Linear Association	6.911	1	.009		
N of Valid Cases	33				

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 6.79.

b. Computed only for a 2x2 table

#### Risk Estimate

	Value	95% Confidence Interval	
		Lower	Upper
Odds Ratio for Kelompok Biaya Perawatan (rendah (<20juta) / tinggi (>20juta))	7.944	1.601	39.416
For cohort Hasil Perawatan = hidup	2.488	1.216	5.092
For cohort Hasil Perawatan = meninggal	.313	.110	.894
N of Valid Cases	33		

#### 5. Analisis Usia Pasien dengan Hasil Perawatan

##### usia44atobukan \* Hasil Perawatan Crosstabulation

			Hasil Perawatan		Total
			hidup	meninggal	
usia44atobukan	kurang dari44 tahun	Count	11	2	13
		Expected Count	6.7	6.3	13.0
	>= 44 tahun	Count	6	14	20
		Expected Count	10.3	9.7	20.0
Total	Count	17	16	33	
	Expected Count	17.0	16.0	33.0	

### Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	9.409 <sup>a</sup>	1	.002		
Continuity Correction <sup>b</sup>	7.350	1	.007		
Likelihood Ratio	10.120	1	.001		
Fisher's Exact Test				.004	.003
Linear-by-Linear Association	9.124	1	.003		
N of Valid Cases	33				

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

b. Computed only for a 2x2 table

### Symmetric Measures

		Value	Asymp. Std. Error <sup>a</sup>	Approx. T <sup>b</sup>	Approx. Sig.
Interval by Interval	Pearson's R	.534	.141	3.516	.001 <sup>c</sup>
Ordinal by Ordinal	Spearman Correlation	.534	.141	3.516	.001 <sup>c</sup>
N of Valid Cases		33			

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

c. Based on normal approximation.

### Risk Estimate

	Value	95% Confidence Interval	
		Lower	Upper
Odds Ratio for Kelompok Usia Pasien (kurang dari 44 tahun / >= 44 tahun)	12.833	2.154	76.446
For cohort Hasil Perawatan = hidup	2.821	1.389	5.728
For cohort Hasil Perawatan = meninggal	.220	.059	.812
N of Valid Cases	33		

## 6. Analisis Diagnosis dengan Hasil Perawatan

Diagnosis Masuk ICU \* Hasil Perawatan Crosstabulation

			Hasil Perawatan		Total
			hidup	meninggal	
Diagnosis Masuk ICU	gagal 2 sistem atau kurang	Count	15	5	20
		Expected Count	10.3	9.7	20.0
	gagal tiga sistem atau lebih	Count	2	11	13
		Expected Count	6.7	6.3	13.0
Total		Count	17	16	33
		Expected Count	17.0	16.0	33.0

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	11.211 <sup>a</sup>	1	.001		
Continuity Correction <sup>b</sup>	8.951	1	.003		
Likelihood Ratio	12.062	1	.001		
Fisher's Exact Test				.001	.001
Linear-by-Linear Association	10.871	1	.001		
N of Valid Cases	33				

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

b. Computed only for a 2x2 table

Risk Estimate

	Value	95% Confidence Interval	
		Lower	Upper
Odds Ratio for Diagnosis Masuk ICU (gagal 2 sistem atau kurang / gagal tiga sistem atau lebih)	16.500	2.687	101.331
For cohort Hasil Perawatan = hidup	4.875	1.329	17.883
For cohort Hasil Perawatan = meninggal	.295	.134	.653
N of Valid Cases	33		

## 7. Analisis Skor APACHE II dengan Biaya Perawatan

Skor APACHE \* Kelompok Biaya Perawatan Crosstabulation

			Kelompok Biaya Perawatan		
			rendah (<20juta)	tinggi (>20juta)	
Skor APACHE	skor apache tinggi (>24)	Count	3	8	
		% within Skor APACHE	27.3%	72.7%	
		% within Kelompok Biaya Perawatan	21.4%	42.1%	
		% of Total	9.1%	24.2%	
	skor apache rendah (<24)	Count	11	11	
		% within Skor APACHE	50.0%	50.0%	
		% within Kelompok Biaya Perawatan	78.6%	57.9%	
		% of Total	33.3%	33.3%	
Total		Count	14	19	
		% within Skor APACHE	42.4%	57.6%	
		% within Kelompok Biaya Perawatan	100.0%	100.0%	
		% of Total	42.4%	57.6%	100.0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	1.551 <sup>a</sup>	1	.213		
Continuity Correction <sup>b</sup>	.760	1	.383		
Likelihood Ratio	1.598	1	.206		
Fisher's Exact Test				.278	.193
Linear-by-Linear Association	1.504	1	.220		
N of Valid Cases	33				

a. 1 cells (25.0%) have expected count less than 5. The minimum expected count is 4.67.

b. Computed only for a 2x2 table

Risk Estimate

	Value	95% Confidence Interval	
		Lower	Upper



Odds Ratio for Skor APACHE (skor apache tinggi (>24) / skor apache rendah (<24))	.375	.078	1.799
For cohort Kelompok Biaya Perawatan = rendah (<20juta)	.545	.191	1.561
For cohort Kelompok Biaya Perawatan = tinggi (>20juta)	1.455	.837	2.528
N of Valid Cases	33		

### 3. Analisis Regresi

#### Model if Term Removed

Variable	Model Log Likelihood	Change in -2 Log Likelihood	df	Sig. of the Change
Step 1				
Diagnosisedit	-5.476	7.133	1	.008
lamarawat	-1.910	.000	1	1.000
biayarawatinterval	-1.910	.000	1	1.000
usia44atobukan	-5.161	6.504	1	.011
ventilator	-2.773	1.726	1	.189
skorAPACHE	-5.004	6.189	1	.013
Step 2				
Diagnosisedit	-5.476	7.133	1	.008
lamarawat	-1.910	.000	1	1.000
usia44atobukan	-5.161	6.504	1	.011
ventilator	-2.773	1.726	1	.189
skorAPACHE	-5.004	6.189	1	.013
Step 3				
Diagnosisedit	-7.316	10.813	1	.001
usia44atobukan	-7.507	11.195	1	.001
ventilator	-4.499	5.178	1	.023
skorAPACHE	-5.205	6.592	1	.010

#### Variables not in the Equation

	Score	df	Sig.
Step 2 <sup>a</sup> Variables			
biayarawatinterval(1)	.000	1	1.000
Overall Statistics	.000	1	1.000
Step 3 <sup>b</sup> Variables			
lamarawat(1)	.000	1	1.000
biayarawatinterval(1)	.000	1	1.000
Overall Statistics	.000	2	1.000

a. Variable(s) removed on step 2: biayarawatinterval.

b. Variable(s) removed on step 3: lamarawat.

**Biodata mahasiswa**

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**Riwayat Pendidikan Formal**

TK Kristen Laboratorium Satya Wacana Salatiga	1995 - 1997
SD Kristen 2 Laboratorium Satya Wacana Salatiga	1997 - 2003
SMP Negeri 1 Salatiga	2003 - 2006
SMA Taruna Nusantara Magelang	2006 - 2009
Fakultas Kedokteran Universitas Diponegoro Semarang	2009 - sekarang

**Keanggotaan Organisasi**

1. Koordinator Seksi Dana Usaha Scientific Fair Nasional 2011
2. Seksi Acara PORSENI Universitas Diponegoro 2011
3. Hipnoterapist sebagai *Member of The Indonesian Board of Hypnotherapy*  
2012 – sekarang
4. Leader Organizer of Nation Building Djarum Foundation 2012

5. Bendahara Khitan Bersama Ceria Komunitas Medik Katolik Indonesia  
Tahun 2011, 2012, 2013

#### **Karya Ilmiah yang Pernah Dibuat**

1. Potensi Batang Tanaman Bratawali dalam Mencegah Infeksi Filariasis (Lolos seleksi nasional PKM-GT tahun 2010)
2. Analisis Spasiotemporal dan Faktor Risiko Kasus Demam Berdarah Dengue di Kota Semarang (Usulan PKM-P 2011)
3. Pengaruh Jenis dan Pola Musik Tertentu untuk Motivasi Belajar Anak (Usulan Lomba Esai Ilmiah Djarum Beasiswa Plus)
4. Analisis Biaya Perawatan dan Hasil Perawatan Pasien ICU (Usulan PKM-P 2012)
5. Analisis Biaya Perawatan dan Hasil Perawatan Pasien Medikal ICU RSUP dr Kariadi (Karya Tulis Ilmiah syarat kelulusan S-1)