


LAMPIRAN

Lampiran 1. Surat *Ethical Clearance*



Ministry of Health of the Republic of Indonesia
 Badan Penyelenggara Jaminan Kesehatan

KOMITE ETIK PENELITIAN KESEHATAN
HEALTH RESEARCH ETHICS COMMITTEE
RSI SULTAN AGUNG
KEPK RSI SULTAN AGUNG

KETERANGAN LAYAK ETIK
DESCRIPTION OF ETHICAL EXEMPTION
"ETHICAL EXEMPTION"

No. 48/EC/KEPK/2020

Protokol penelitian yang diusulkan oleh :
The research protocol proposed by

Peneliti utama : **DIANA NURUL ADHA.**
Principal In Investigator

Nama Institusi : **UNIVERSITAS ISLAM SULTAN AGUNG**
Name of Institution

Dengan Judul
Title

**"EVALUASI SKALA NYERI PASCA OPERASI ORTOPEDI SETELAH PENGGUNAAN
 INJEKSI KETOROLAC DI RUMAH SAKIT ISLAM SULTAN AGUNG SEMARANG"**

**"Evaluation of Post-Orthopedic Pain Scale After Using Ketorolac Injection at at Islamic Sultan Agung Semarang
 Hospital"**

Dinyatakan layak etik sesuai 7(tujuh) Standar WHO 2011, yaitu 1) Nilai Sosial, 2) Nilai Ilmiah, 3) Pemerataan Beban dan Manfaat, 4) Risiko, 5) Bujukan/Eksploitasi, 6) Kerahasiaan dan Privacy, dan 7) Persetujuan Setelah Penjelasan, yang merujuk pada Pedoman CIOMS 2016. Hal ini seperti yang ditunjukkan oleh terpenuhinya indikator setiap standar.

Declared to be ethically appropriate in accordance to 7 (seven) WHO 2011 Standards, 1)Social Values, 2)Scientific Values, 3)Equitable Assessment and Benefits, 4)Risks, 5)Persuasion/Exploitation, 6)Confidentiality and Privacy, and 7)Informed Consent, referring to the 2016 CIOMS Guidelines. This is as indicated by the fulfillment of the indicators of each standard.


Pernyataan Laik Etik ini berlaku selama kurun waktu tanggal 25 September 2020 sampai dengan tanggal 25 September 2021.

This declaration of ethics applies during the period September 25, 2020 until September 25, 2021.

September 25, 2020
 Professor and Chairperson



dr. Muhammad Aziz Rosidi



YAYASAN BADAN WAKAF SULTAN AGUNG
RSI SULTAN AGUNG
 ISLAMIC TEACHING HOSPITAL
 Rumah Sakit Sesuai Prinsip Syariah
 SEMARANG - JAWA TENGAH

www.rsisultanagung.co.id

Lampiran 2. Karakteristik pasien**UMUR**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	18-25 Remaja	19	19,4	19,4	19,4
	26-45 Dewasa	46	46,9	46,9	66,3
	46-65 Lansia	33	33,7	33,7	100,0
	Total	98	100,0	100,0	

JENIS KELAMIN

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Laki-laki	62	63,3	63,3	63,3
	Perempuan	36	36,7	36,7	100,0
	Total	98	100,0	100,0	

DOSIS KETOROLAC

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2 kali sehari	13	13,3	13,3	13,3
	3 kali sehari	85	86,7	86,7	100,0
	Total	98	100,0	100,0	

LAMA PEMBERIAN KETOROLAC

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 hari	16	16,3	16,3	16,3
	2 hari	36	36,7	36,7	53,1
	3 hari	33	33,7	33,7	86,7
	4 hari	9	9,2	9,2	95,9
	5 hari	4	4,1	4,1	100,0
	Total	98	100,0	100,0	

DIAGNOSA JENIS OPERASI

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Fracture of femur	37	37,8	37,8	37,8
	Fracture of tibia	29	29,6	29,6	67,3
	Fracture of forearm	32	32,7	32,7	100,0
	Total	98	100,0	100,0	

NYERI SEBELUM OP

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1-3 ringan	33	33,7	33,7	33,7
	4-6 sedang	64	65,3	65,3	99,0
	7-9 berat	1	1,0	1,0	100,0
	Total	98	100,0	100,0	

NYERI SESUDAH OP

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1-3 ringan	52	53,1	53,1	53,1
	4-6 sedang	46	46,9	46,9	100,0
	Total	98	100,0	100,0	



Lampiran 3. Uji Normalitas

	Tests of Normality					
	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
NYERI SEBELUM OP	,205	98	,000	,855	98	,000
NYERI SESUDAH OP	,307	98	,000	,813	98	,000

a. Lilliefors Significance Correction

Lampiran 4. Uji Homogenitas

Test of Homogeneity of Variances					
		Levene Statistic	df1	df2	Sig.
NYERI	Based on Mean	,000	1	194	,984
	Based on Median	,038	1	194	,845
	Based on Median and with adjusted df	,038	1	176,387	,846
	Based on trimmed mean	,033	1	194	,856

Lampiran 5. Wilcoxon

NPar Tests

Wilcoxon Signed Ranks Test

		Ranks		
		N	Mean Rank	Sum of Ranks
NYERI SESUDAH OP - NYERI SEBELUM OP	Negative Ranks	34 ^a	17,50	595,00
	Positive Ranks	0 ^b	,00	,00
	Ties	64 ^c		
	Total	98		

a. NYERI SESUDAH OP < NYERI SEBELUM OP

b. NYERI SESUDAH OP > NYERI SEBELUM OP

c. NYERI SESUDAH OP = NYERI SEBELUM OP

Test Statistics^a

NYERI
SESUDAH
OP - NYERI
SEBELUM
OP

Z	-5,565 ^b
Asymp. Sig. (2-tailed)	,000

a. Wilcoxon Signed Ranks Test

b. Based on positive ranks.

Lampiran 6. Data Rekam Medis Pasien

No.	No. RM Jenis Kel.	Umur	Obat			Lama Ranap	Nyeri Pra Op.	Nyeri Post Op.	Jenis operasi
			Nama	Dosis	Ket.				
1	1041838 P	34	Ketorolac iv Ranitidin iv	30 mg 3x1	3 hari	5	3	3	Fracture of tibia
2	01369801 L	53	Ketorolac iv Ciprofloxacin iv	30 mg 3x1	1 hari	4	3	3	Fracture of tibia
3	01017691 L	19	Ketorolac iv Novelmycin iv	30 mg 3x1	2 hari	3	3	3	Fracture of forearm
4	01336695 P	28	Ketorolac iv Broadced iv	30 mg 3x1	4 hari	5	5	3	Fracture of femur
5	01049762 L	63	Ketorolac iv Ciprofloxacin iv	30 mg 3x1	3 hari	5	4	4	Fracture of forearm
6	01370967 P	41	Ketorolac iv Ranitidin iv	30 mg 3x1	4 hari	4	3	3	Fracture of tibia
7	01108032 L	30	Ketorolac iv Ranitidin iv	30 mg 3x1	3 hari	5	3	3	Fracture of forearm
8	01235022 L	30	Ketorolac iv Kalnex iv Novelmycin iv	30 mg 3x1	1 hari	3	3	3	Fracture of tibia
9	01372762 P	36	Ketorolac iv Broadced iv	30 mg 3x1	2 hari	3	3	3	Fracture of femur

10	012960 44 L	45	Ketorolac iv Novelmycin iv	30 mg 3x1	1 hari	5	5	5	Fracture of femur
11	013728 50 P	39	Ketorolac iv Cefotaxine iv	30 mg 2x1	2 hari	6	3	3	Fracture of forearm
12	010176 91 L	19	Ketorolac iv Sharox iv	30 mg 3x1	2 hari	3	5	4	Fracture of forearm
13	013705 90 P	52	Ketorolac iv Amoxcillin	30 mg 2x1	2 hari	2	5	3	Fracture of forearm
14	013361 75 L	38	Ketorolac iv Bactesyn iv	30 mg 2x1	2 hari	5	5	4	Fracture of tibia
15	013736 91 P	52	Ketorolac iv Sharox iv	30 mg 3x1	3 hari	3	3	3	Fracture of femur
16	010997 09 P	23	Ketorolac iv Cefotaxine iv	30 mg 2x1	3 hari	6	3	3	Fracture of forearm
17	013743 73 L	47	Ketorolac iv Cefazoline iv Ranitidin iv	30 mg 3x1	2 hari	4	7	6	Fracture of forearm
18	011614 51 L	39	Ketorolac iv Ranitidin iv Cefxon iv	30 mg 3x1	2 hari	4	4	3	Fracture of femur
19	013751 59 L	20	Ketorolac iv Ranitidin iv Cefxon iv	30 mg 3x1	5 hari	12	5	4	Fracture of femur
20	013752 42 P	45	Ketorolac iv Humalog	30 mg 3x1	2 hari	6	5	5	Fracture of tibia
21	010547 34 L	36	Ketorolac iv Ranitidin iv Sharox iv	30 mg 3x1	3 hari	3	4	4	Fracture of femur
22	013765 31 L	39	Ketorolac iv Sharox iv Gabexal iv	30 mg 3x1	1 hari	4	4	4	Fracture of femur
23	013766 75	21	Ketorolac iv	30 mg 3x1	5 hari	10	5	5	Fracture of femur

	L		Ciprofloxac in iv Kalnex iv						
24	010497 62 L	63	Ketorolac iv Novelmycin iv	30 mg 3x1	1 hari	3	3	3	Fracture of forearm
25	013774 05 L	37	Ketorolac iv Ranitidin iv	30 mg 3x1	3 hari	5	5	5	Fracture of tibia
26	013774 03 P	28	Ketorolac iv Ranitidin iv Cefazoline iv	30 mg 3x1	3 hari	5	4	4	Fracture of femur
27	013777 29 L	52	Ketorolac iv Ranitidin iv	30 mg 3x1	2 hari	3	4	3	Fracture of femur
28	013778 67 L	24	Ketorolac iv Ranitidin iv Ceftriaxone iv	30 mg 3x1	4 hari	8	4	4	Fracture of femur
29	013637 63 P	43	Ketorolac iv Ceftriaxone iv Ranitidin iv	30 mg 3x1	4 hari	5	4	3	Fracture of femur
30	013782 54 P	39	Ketorolac iv Ceftriaxone iv Ranitidin iv	30 mg 3x1	1 hari	8	6	6	Fracture of femur
31	013759 60 L	29	Ketorolac iv Novelmycin iv	30 mg 3x1	2 hari	3	4	3	Fracture of femur
32	013790 79 P	53	Ketorolac iv Ranitidin iv	30 mg 3x1	3 hari	4	4	3	Fracture of femur
33	012594 73 L	46	Ketorolac iv Sharox iv	30 mg 3x1	2 hari	4	3	3	Fracture of femur
34	013791 76 L	38	Ketorolac iv Sharox iv Kalnex iv	30 mg 3x1	2 hari	4	5	5	Fracture of tibia
35	011449 99 L	43	Ketorolac iv Ranitidin iv	30 mg 2x1	3 hari	5	4	3	Fracture of forearm

36	013765 20 L	43	Ketorolac iv Cefotaxine iv	30 mg 2x1	2 hari	5	3	3	Fracture of forearm
37	013792 88 L	46	Ketorolac iv Ranitidin iv Cafazoline iv	30 mg 3x1	4 hari	6	5	5	Fracture of tibia
38	012675 39 P	56	Ketorolac iv Ranitidin iv	30 mg 3x1	2 hari	5	3	3	Fracture of tibia
39	013798 14 L	26	Ketorolac iv Ranitidin iv	30 mg 3x1	2 hari	3	6	6	Fracture of femur
40	013798 65 P	55	Ketorolac iv Cefixime p.o Ranitidin iv	30 mg 3x1	3 hari	5	6	4	Fracture of tibia
41	012537 76 L	27	Ketorolac iv Ranitidin iv Cefotaxine iv	30 mg 3x1	3 hari	5	4	4	Fracture of tibia
42	012591 68 L	54	Ketorolac iv Cefixime p.o Ranitidin iv	30 mg 3x1	2 hari	3	3	3	Fracture of forearm
43	011147 74 P	30	Ketorolac iv Ranitidin iv	30 mg 3x1	3 hari	4	4	4	Fracture of femur
44	012239 31 P	25	Ketorolac iv Sharox iv	30 mg 3x1	1 hari	3	5	4	Fracture of forearm
45	013806 85 P	38	Ketorolac iv Ranitidin iv	30 mg 3x1	2 hari	5	5	5	Fracture of forearm
46	013809 03 L	20	Ketorolac iv Ranitidin iv	30 mg 3x1	2 hari	8	5	5	Fracture of femur
47	011621 15 L	55	Ketorolac iv Sharox iv	30 mg 3x1	2 hari	3	6	5	Fracture of femur
48	013798 65 P	55	Ketorolac iv Ceftriaxone iv Ranitidin iv	30 mg 3x1	2 hari	3	3	3	Fracture of tibia

49	013770 80 L	41	Ketorolac iv Ranitidin iv	30 mg 2x1	5 hari	8	4	4	Fracture of forearm
50	013819 82 L	30	Ketorolac iv Ceftriaxone iv Ranitidin iv	30 mg 3x1	3 hari	6	6	5	Fracture of femur
51	010776 67 P	55	Ketorolac iv Moxifloxaci n iv	30 mg 3x1	4 hari	5	4	3	Fracture of tibia
52	013833 20 L	60	Ketorolac iv Cefotaxine iv	30 mg 2x1	3 hari	5	4	3	Fracture of forearm
53	013833 89 P	37	Ketorolac iv Ranitidin iv	30 mg 3x1	4 hari	5	3	3	Fracture of tibia
54	013838 66 L	23	Ketorolac iv Ceftriaxone iv	30 mg 3x1	1 hari	2	5	4	Fracture of femur
55	013838 76 L	27	Ketorolac iv Ranitidin iv	30 mg 3x1	3 ahri	6	5	4	Fracture of femur
56	013840 11 L	24	Ketorolac iv Ranitidin iv	30 mg 3x1	2 hari	3	4	3	Fracture of femur
57	013840 28 P	59	Ketorolac iv Cefotaxine iv	30 mg 3x1	3 hari	5	4	4	Fracture of femur
58	013790 79 P	53	Ketorolac iv Ceftriaxone iv Ranitidin iv	30 mg 3x1	5 hari	6	4	4	Fracture of tibia
59	013842 20 L	25	Ketorolac iv Sharox iv Kalnex iv Ondansetro n iv	30 mg 3x1	4 hari	4	4	3	Fracture of forearm
60	013809 03 L	20	Ketorolac iv Ranitidin iv	30 mg 3x1	3 hari	5	4	4	Fracture of femur
61	013831 06 L	49	Ketorolac iv Ranitidin iv	30 mg 3x1	2 hari	3	4	3	Fracture of forearm

62	013850 49 L	39	Ketorolac iv Ranitidin iv Sharox iv	30 mg 3x1	4 hari	5	3	3	Fracture of forearm
63	013850 86 L	58	Ketorolac iv Ranitidin iv Ceftriaxone iv	30 mg 3x1	3 hari	5	4	4	Fracture of tibia
64	013857 18 L	24	Ketorolac iv Sharox iv	30 mg 3x1	2 hari	6	5	4	Fracture of forearm
65	013860 01 L	50	Ketorolac iv Ranitidin iv	30 mg 3x1	2 hari	6	5	5	Fracture of tibia
66	010022 54 P	57	Ketorolac iv Ranitidin iv	30 mg 3x1	2 hari	3	4	4	Fracture of tibia
67	013869 11 L	22	Ketorolac iv Sharox iv Ranitidin iv	30 mg 3x1	3 hari	3	4	3	Fracture of tibia
68	013871 28 L	19	Ketorolac iv Cefotaxine iv	30 mg 2x1	1 hari	4	3	3	Fracture of forearm
69	013873 25 L	23	Ketorolac iv Tofedex p.o Ranitidin iv Cefixime p.o	30 mg 3x1	3 hari	4	3	3	Fracture of tibia
70	013819 82 L	35	Ketorolac iv Sharox iv Ranitidin iv	30 mg 3x1	2 hari	3	3	3	Fracture of tibia
71	013876 65 P	33	Ketorolac iv Ceftriaxone iv Ranitidin iv	30 mg 3x1	3 hari	5	5	5	Fracture of femur
72	013877 21 L	34	Ketorolac iv Ranitidin iv Cefixime p.o	30 mg 3x1	1 hari	3	3	3	Fracture of forearm
73	013878 98 L	23	Ketorolac iv Moxifloxaci n iv	30 mg 3x1	3 hari	7	5	5	Fracture of femur

74	013882 78 L	45	Ketorolac iv Cefotaxine iv	30 mg 2x1	2 hari	7	3	3	Fracture of tibia
75	010497 62 L	63	Ketorolac iv Sharox iv	30 mg 3x1	1 hari	3	3	3	Fracture of forearm
76	012548 72 P	56	Ketorolac iv Ceftriaxone iv Profilaksis	30 mg 3x1	3 hari	5	4	4	Fracture of femur
77	013917 43 P	41	Ketorolac iv Sharox iv	30 mg 3x1	2 hari	2	3	2	Fracture of forearm
78	012573 76 L	56	Ketorolac iv Sharox iv	30 mg 3x1	1 hari	5	3	3	Fracture of tibia
79	013922 63 L	31	Ketorolac iv Ranitidin iv	30 mg 3x1	3 hari	6	3	3	Fracture of forearm
80	013838 66 L	23	Ketorolac iv Ceftriaxone iv Ranitidin iv	30 mg 3x1	2 hari	3	3	3	Fracture of femur
81	013932 81 L	58	Ketorolac iv Moxifloxaci n iv	30 mg 3x1	3 hari	8	5	3	Fracture of tibia
82	012423 15 P	26	Ketorolac iv Ranitidin iv	30 mg 3x1	3 hari	6	4	3	Fracture of tibia
83	013459 92 P	35	Ketorolac iv Cefotaxine iv	30 mg 3x1	3 hari	6	4	3	Fracture of tibia
84	013819 82 L	36	Ketorolac iv Ranitidin iv	30 mg 3x1	2 hari	3	3	3	Fracture of tibia
85	013948 02 L	35	Ketorolac iv Moxifloxaci n iv	30 mg 3x1	3 hari	5	4	4	Fracture of forearm
86	013655 65 P	20	Ketorolac iv Lansopazol e Mecobalami n	30 mg 3x1	3 hari	5	4	4	Fracture of femur
87	013960 51	26	Ketorolac iv	30 mg 2x1	2 hari	4	5	5	Fracture of tibia

	L		Mecobalamin						
88	01164653 P	51	Ketorolac iv Ciprofloxacin iv	30 mg 2x1	2 hari	4	5	5	Fracture of forearm
89	01095429 L	54	Ketorolac iv Cefotaxime iv	30 mg 2x1	1 hari	3	3	2	Fracture of forearm
90	01376953 L	42	Ketorolac iv Ceftriaxone iv	30 mg 3x1	2 hari	3	3	3	Fracture of femur
91	01398228 P	56	Ketorolac iv Ranitidin iv	30 mg 3x1	1 hari	2	5	4	Fracture of forearm
92	01253821 P	35	Ketorolac iv Sharox iv	30 mg 3x1	2 hari	4	3	3	Fracture of forearm
93	01290407 L	57	Ketorolac iv Moxifloxacin iv Ulvice iv	30 mg 3x1	2 hari	6	4	3	Fracture of forearm
94	01399198 L	47	Ketorolac iv Ranitidin iv	30 mg 3x1	3 hari	6	4	4	Fracture of forearm
95	01388045 P	33	Ketorolac iv Ranitidin iv	30 mg 3x1	3 hari	3	4	3	Fracture of femur
96	01399375 P	53	Ketorolac iv Ciprofloxacin iv Omeprazole iv	30 mg 3x1	1 hari	8	3	3	Fracture of femur
97	01399580 P	30	Ketorolac iv Ceftriaxone iv	30 mg 3x1	3 hari	5	5	4	Fracture of femur
98	01050947 L	48	Ketorolac iv Ampicilin Humalog	30 mg 3x1	1 hari	7	4	4	Fracture of femur