

LAMPIRAN

Lampiran 1. Data Pasien Osteoarthritis Dalam Penelitian

Nama	Usia	Berat Badan	Tinggi Badan	Nyeri Gerak 1	Nyeri Gerak 2	Nyeri Tekan 1	Nyeri Tekan 2	Nyeri Diam 1	Nyeri Diam 2	Kelompok	Selisih Gerak	Selisih Tekan	Selisih Diam
wahono	79	68	170	9	7	6	4	4	3	2	2	2	1
sonya	49	58	160	8	5	5	3	4	2	2	3	2	2
wartini	63	63	159	6	3	5	2	4	2	2	3	3	2
sukirman	57	69	168	9	7	6	4	4	4	2	2	2	0
marhaeni	79	57	163	9	5	8	5	7	3	2	4	3	4
lasmida	87	59	170	8	4	6	3	5	3	2	4	3	2
sutinah	54	68	168	8	6	6	4	4	3	2	2	2	1
fatmah	58	65	160	7	4	5	3	4	2	2	3	2	2
suadana	78	70	169	7	4	6	5	4	2	2	3	1	2
sifiana	58	70	159	7	3	5	3	4	2	2	4	2	2
simboong	53	59	157	8	5	6	4	5	3	1	3	2	2
justini	67	67	160	9	5	7	4	6	3	1	4	3	3
sumiati	65	67	156	8	6	6	4	5	3	1	2	2	2
sarah	71	58	163	7	4	5	3	4	2	1	3	2	2
mulyadi	58	57	167	8	4	7	3	5	2	1	4	4	3
sulistyo	68	61	171	7	4	5	2	4	2	1	3	3	2
martini	66	65	155	8	5	6	4	6	4	1	3	2	2
laela	52	55	163	7	4	3	1	4	2	1	3	2	2
margaret	63	67	157	8	5	7	4	7	4	1	3	3	3
fransisk	54	68	155	7	4	4	2	4	4	1	3	2	0

OUTPUT DATA STATISTIK KELOMPOK PERLAKUAN I *ULTRASOUND* (US)

OUTPUT DATA STATISTIK KELOMPOK PERLAKUAN I *ULTRASOUND* (US)

Frequencies

Statistics

		usiareponden	beratbadanres ponden	tinggibadanres ponden	nyerigerakseb elumperlakuan	nyerigeraksete lahperlakuan	nyeritekansseb elumperlakuan	nyeritekansetel ahperlakuan	nyeridiamsebel umperlakuan	nyeridiamsetel ahperlakuan
N	Valid	10	10	10	10	10	10	10	10	10
	Missing	0	0	0	0	0	0	0	0	0
Mean		66.2000	64.7000	164.6000	7.8000	4.8000	5.8000	3.6000	4.4000	2.6000
Median		60.5000	66.5000	165.5000	8.0000	4.5000	6.0000	3.5000	4.0000	2.5000
Minimum		49.00	57.00	159.00	6.00	3.00	5.00	2.00	4.00	2.00
Maximum		87.00	70.00	170.00	9.00	7.00	8.00	5.00	7.00	4.00

Frequency Table

usiareponden

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	49	1	10.0	10.0	10.0
	54	1	10.0	10.0	20.0
	57	1	10.0	10.0	30.0
	58	2	20.0	20.0	50.0
	63	1	10.0	10.0	60.0
	78	1	10.0	10.0	70.0
	79	2	20.0	20.0	90.0
	87	1	10.0	10.0	100.0
	Total	10	100.0	100.0	

beratbadanresponden

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	57	1	10.0	10.0	10.0
	58	1	10.0	10.0	20.0
	59	1	10.0	10.0	30.0
	63	1	10.0	10.0	40.0
	65	1	10.0	10.0	50.0
	68	2	20.0	20.0	70.0
	69	1	10.0	10.0	80.0
	70	2	20.0	20.0	100.0
	Total	10	100.0	100.0	

OUTPUT DATA STATISTIK KELOMPOK PERLAKUAN I *ULTRASOUND* (US)

tinggibadanresponden

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	159	2	20.0	20.0	20.0
	160	2	20.0	20.0	40.0
	163	1	10.0	10.0	50.0
	168	2	20.0	20.0	70.0
	169	1	10.0	10.0	80.0
	170	2	20.0	20.0	100.0
	Total	10	100.0	100.0	

nyerigeraksebelumperlakuan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	6	1	10.0	10.0	10.0
	7	3	30.0	30.0	40.0
	8	3	30.0	30.0	70.0
	9	3	30.0	30.0	100.0
	Total	10	100.0	100.0	

nyerigeraksetelahperlakuan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3	2	20.0	20.0	20.0
	4	3	30.0	30.0	50.0
	5	2	20.0	20.0	70.0
	6	1	10.0	10.0	80.0
	7	2	20.0	20.0	100.0
	Total	10	100.0	100.0	

OUTPUT DATA STATISTIK KELOMPOK PERLAKUAN I *ULTRASOUND* (US)

nyeritekansebelumperlakuan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	5	4	40.0	40.0	40.0
	6	5	50.0	50.0	90.0
	8	1	10.0	10.0	100.0
	Total	10	100.0	100.0	

nyeritekansetelahperlakuan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2	1	10.0	10.0	10.0
	3	4	40.0	40.0	50.0
	4	3	30.0	30.0	80.0
	5	2	20.0	20.0	100.0
	Total	10	100.0	100.0	

nyeridiamsebelumperlakuan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4	8	80.0	80.0	80.0
	5	1	10.0	10.0	90.0
	7	1	10.0	10.0	100.0
	Total	10	100.0	100.0	

nyeridiamsetelahperlakuan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2	5	50.0	50.0	50.0
	3	4	40.0	40.0	90.0
	4	1	10.0	10.0	100.0
	Total	10	100.0	100.0	

NPar Tests

Wilcoxon Signed Ranks Test

Test Statistics^b

	nyerigeraksebelu mperlakuan - nyerigeraksetelah perlakuan	nyeritekanssebelu mperlakuan - nyeritekanssetelah erlakuan	nyeridiamsebelum perlakuan - nyeridiamsetelah erlakuan
Z	-2.836 ^a	-2.877 ^a	-2.754 ^a
Asymp. Sig. (2-tailed)	.005	.004	.006

a. Based on negative ranks.

b. Wilcoxon Signed Ranks Test

OUTPUT DATA STATISTIK KELOMPOK PERLAKUAN II (US + KINES)

OUTPUT DATA STATISTIK KELOMPOK PERLAKUAN US + KINES

Frequencies

Statistics

		usiarespon	beratbadanres	tinggibadanres	nyerigerakse	nyerigeraksete	nyeritekanse	nyeritekansetel	nyeridiamsebel	nyeridiamsetel
		ponden	ponden	ponden	elumperlakuan	lahperlakuan	elumperlakuan	ahperlakuan	umperlakuan	ahperlakuan
N	Valid	10	10	10	10	10	10	10	10	10
	Missing	0	0	0	0	0	0	0	0	0
Mean		61.7000	62.4000	160.4000	7.7000	4.6000	5.6000	3.1000	5.0000	2.9000
Median		64.0000	63.0000	158.5000	8.0000	4.5000	6.0000	3.5000	5.0000	3.0000
Minimum		52.00	55.00	155.00	7.00	4.00	3.00	1.00	4.00	2.00
Maximum		71.00	68.00	171.00	9.00	6.00	7.00	4.00	7.00	4.00

OUTPUT DATA STATISTIK KELOMPOK PERLAKUAN II (US + KINES)

Frequency Table

usiaresponden

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	52	1	10.0	10.0	10.0
	53	1	10.0	10.0	20.0
	54	1	10.0	10.0	30.0
	58	1	10.0	10.0	40.0
	63	1	10.0	10.0	50.0
	65	1	10.0	10.0	60.0
	66	1	10.0	10.0	70.0
	67	1	10.0	10.0	80.0
	68	1	10.0	10.0	90.0
	71	1	10.0	10.0	100.0
	Total	10	100.0	100.0	

beratbadanresponden

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	55	1	10.0	10.0	10.0
	57	1	10.0	10.0	20.0
	58	1	10.0	10.0	30.0
	59	1	10.0	10.0	40.0
	61	1	10.0	10.0	50.0
	65	1	10.0	10.0	60.0
	67	3	30.0	30.0	90.0
	68	1	10.0	10.0	100.0
	Total	10	100.0	100.0	

OUTPUT DATA STATISTIK KELOMPOK PERLAKUAN II (US + KINES)

tinggibadanresponden

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	155	2	20.0	20.0	20.0
	156	1	10.0	10.0	30.0
	157	2	20.0	20.0	50.0
	160	1	10.0	10.0	60.0
	163	2	20.0	20.0	80.0
	167	1	10.0	10.0	90.0
	171	1	10.0	10.0	100.0
	Total	10	100.0	100.0	

nyerigeraksebelumperlakuan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	7	4	40.0	40.0	40.0
	8	5	50.0	50.0	90.0
	9	1	10.0	10.0	100.0
	Total	10	100.0	100.0	

nyerigeraksetelahperlakuan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4	5	50.0	50.0	50.0
	5	4	40.0	40.0	90.0
	6	1	10.0	10.0	100.0
	Total	10	100.0	100.0	

OUTPUT DATA STATISTIK KELOMPOK PERLAKUAN II (US + KINES)

nyeritekansbelumperlakuan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3	1	10.0	10.0	10.0
	4	1	10.0	10.0	20.0
	5	2	20.0	20.0	40.0
	6	3	30.0	30.0	70.0
	7	3	30.0	30.0	100.0
	Total	10	100.0	100.0	

nyeritekansetelahperlakuan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	1	10.0	10.0	10.0
	2	2	20.0	20.0	30.0
	3	2	20.0	20.0	50.0
	4	5	50.0	50.0	100.0
	Total	10	100.0	100.0	

nyeridiamsebelumperlakuan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	4	4	40.0	40.0	40.0
	5	3	30.0	30.0	70.0
	6	2	20.0	20.0	90.0
	7	1	10.0	10.0	100.0
	Total	10	100.0	100.0	

nyeridiamsetelahperlakuan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2	4	40.0	40.0	40.0
	3	3	30.0	30.0	70.0
	4	3	30.0	30.0	100.0
	Total	10	100.0	100.0	

OUTPUT DATA STATISTIK KELOMPOK PERLAKUAN II (US + KINES)

NPar Tests

Wilcoxon Signed Ranks Test

Test Statistics^b

	nyerigeraksebelum mperlakuan - nyerigeraksetelah perlakuan	nyeritekansebelum perlakuan - nyeritekansetelahp erlakuan	nyeridiamsebelum perlakuan - nyeridiamsetelahp erlakuan
Z	-2.913 ^a	-2.877 ^a	-2.762 ^a
Asymp. Sig. (2-tailed)	.004	.004	.006

a. Based on negative ranks.

b. Wilcoxon Signed Ranks Test

UJI NORMALITAS DATA MENGGUNAKAN *SAPHIRO WINK TEST*

KELOMPOK PERLAKUAN I

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih nyeri gerak	.200	10	.200*	.832	10	.035
Selisih nyeri tekan	.324	10	.004	.794	10	.012
Selisih nyeri diam	.323	10	.004	.839	10	.043

a. Lilliefors Significance Correction

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

KELOMPOK PERLAKUAN II

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Selisih nyeri gerak	.370	10	.000	.752	10	.004
Selisih nyeri tekan	.360	10	.001	.731	10	.002
Selisih nyeri diam	.355	10	.001	.743	10	.003

a. Lilliefors Significance Correction

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

OUTPUT SELISIH KELOMPOK KONTROL (US) DAN KELOMPOK PERLAKUAN (US + KINES)

NPar Tests

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
Selisih nyeri gerak	20	3.0500	.68633	2.00	4.00
Selisih nyeri tekan	20	2.3500	.67082	1.00	4.00
Selisih nyeri diam	20	1.9500	.94451	.00	4.00
Kelompok	20	1.5000	.51299	1.00	2.00

Mann-Whitney Test

Ranks

	Kelompok	N	Mean Rank	Sum of Ranks
Selisih nyeri gerak	US + Kines	10	10.85	108.50
	US	10	10.15	101.50
	Total	20		
Selisih nyeri tekan	US + Kines	10	11.45	114.50
	US	10	9.55	95.50
	Total	20		
Selisih nyeri diam	US + Kines	10	11.85	118.50
	US	10	9.15	91.50
	Total	20		

Test Statistics^b

	Selisih nyeri gerak	Selisih nyeri tekan	Selisih nyeri diam
Mann-Whitney U	46.500	40.500	36.500
Wilcoxon W	101.500	95.500	91.500
Z	-.294	-.824	-1.155
Asymp. Sig. (2-tailed)	.769	.410	.248
Exact Sig. [2*(1-tailed Sig.)]	.796 ^a	.481 ^a	.315 ^a

a. Not corrected for ties.

b. Grouping Variable: Kelompok

DATA PASIEN OA GENU
KELOMPOK PERLAKUAN I

I. ANAMNESISA

1. Data Pasien

Nama : Ny. Fatmah (F)
Umur : 58 Th
Jenis Kelamin : Perempuan
Pekerjaan : Pedagang
Alamat : Pulomas Blok E 8 No. 21
Pulomas – Jakarta Timur
Diagnosa Medis : OA Genu Sinistra
Tanggal Pemeriksaan : 14 Juni 2013

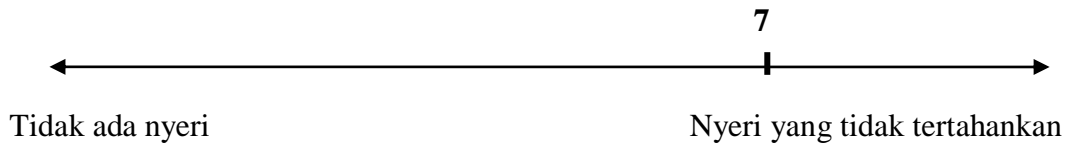
II. PEMERIKSAAN UMUM

1. Tekanan Darah : 120 / 80 mmHg
2. Denyut Nadi : 83 x / Menit
3. Frekuensi Nafas : 24 x / Menit
4. BB : 65 Kg
5. TB : 160 Cm

PEMERIKSAAN SKALA NYERI (VAS)

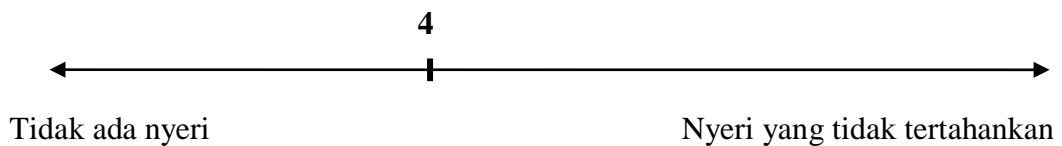
1. Pemeriksaan Nyeri **Sebelum** Pemberiaan *Ultrasound (US)*.

a. Nyeri gerak



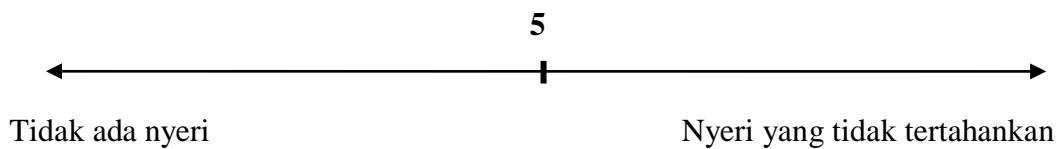
Nilai VAS : **7**

b. Nyeri Diam



Nilai VAS : **4**

c. Nyeri Tekan

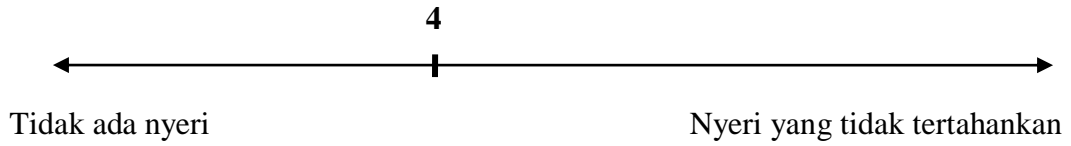


Nilai VAS : **5**

Tanggal : 14 Juni 2013

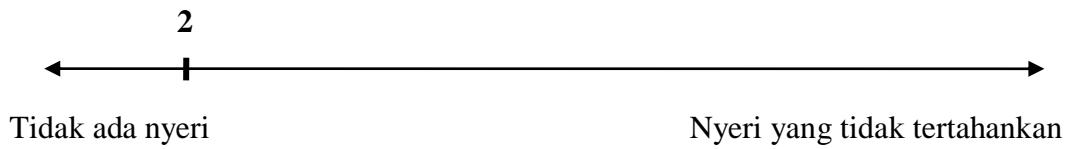
2. Pemeriksaan Nyeri **Setelah** Pemberian *Ultrasound (US)*.

a. Nyeri gerak



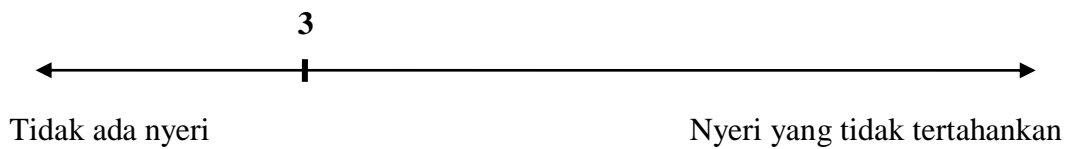
Nilai VAS : **4**

b. Nyeri Diam



Nilai VAS : **2**

c. Nyeri Tekan



Nilai VAS : **3**

Tanggal : 14 Agustus 2013

DATA PASIEN OA GENU
KELOMPOK PERLAKUAN II

I. ANAMNESISA

1. Data Pasien

Nama : Ny. Sim Boong (B)
Umur : 53 Th
Jenis Kelamin : Perempuan
Pekerjaan : Ibu Rumah Tangga
Alamat : Jl. Pulo Gebang Rt. 013 / Rw. 004 No.19
Cakung – Jakarta Timur
Diagnosa Medis : OA Genu Sinistra
Tanggal Pemeriksaan : 17 Juni 2013

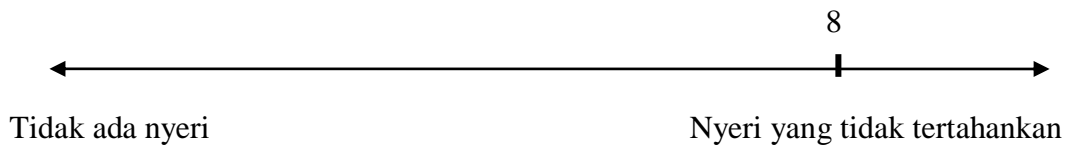
II. PEMERIKSAAN UMUM

1. Tekanan Darah : 120 / 90 mmHg
2. Denyut Nadi : 91 x / Menit
3. Frekuensi Nafas : 20 x / Menit
4. BB : 59 Kg
5. TB : 157 Cm

PEMERIKSAAN SKALA NYERI (VAS)

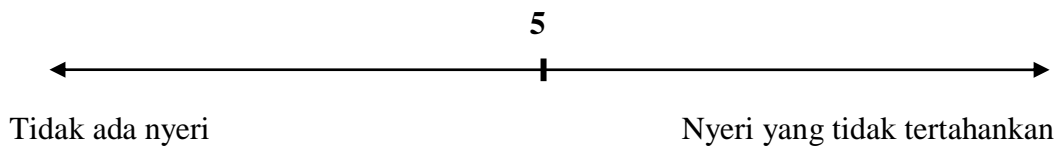
1. Pemeriksaan Nyeri **Sebelum** Pemberiaan *Ultrasound* (US) + Kinesiotaping.

a. Nyeri gerak



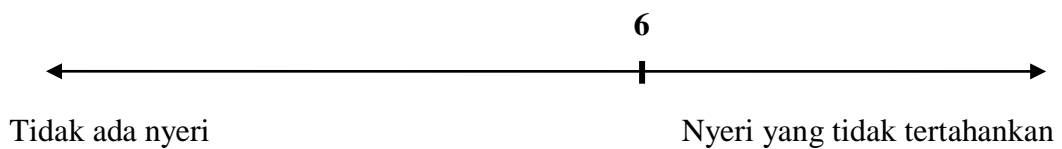
Nilai VAS : **8**

b. Nyeri Diam



Nilai VAS : **5**

c. Nyeri Tekan

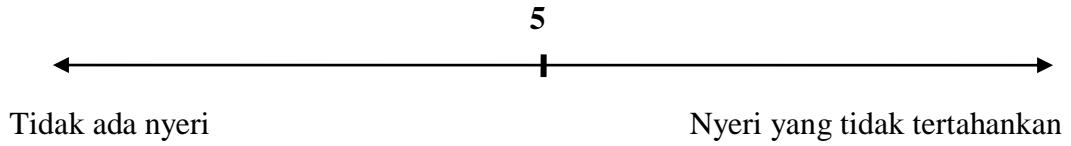


Nilai VAS : **6**

Tanggal : 17 Juni 2013

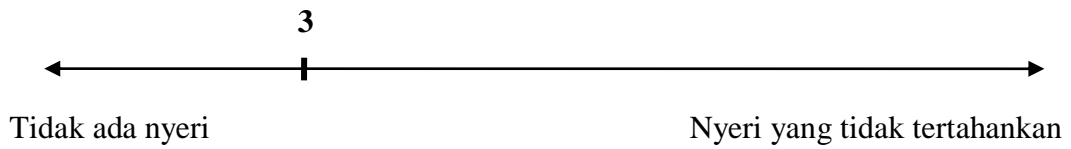
2. Pemeriksaan Nyeri **Setelah** Pemberian *Ultrasound* (US) + Kinesiotaping

a. Nyeri gerak



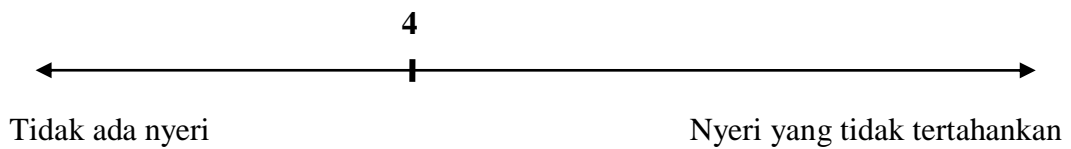
Nilai VAS : **5**

b. Nyeri Diam



Nilai VAS : **3**

c. Nyeri Tekan



Nilai VAS : **4**

Tanggal : 16 Agustus 2013