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LAMPIRAN

LAMPIRAN 1. Surat Izin Etik

**REKOMENDASI PERSETUJUAN ETIK**

Nomor : 152/UN4.6.4.5.31/ PP36/ 2023

Tanggal: 3 Maret 2023

Dengan ini Menyatakan bahwa Protokol dan Dokumen yang Berhubungan Dengan Protokol berikut ini telah mendapatkan Persetujuan Etik :


No Protokol	UH23020093		No Sponsor Protokol	
Peneliti Utama	Khaerani Kamil, S.Tr.Kes		Sponsor	
Judul Peneliti	Efektivitas Spinal Mobilization With Leg Movement Terhadap Perubahan Fungsional Lumbal dan ROM Straight Leg Raise Pada Pasien Herniated Nucleus Pulposus Lumbal yang Diberikan Terapi Konvensional			
No Versi Protokol	2	Tanggal Versi	23 Februari 2023	
No Versi PSP	2	Tanggal Versi	23 Februari 2023	
Tempat Penelitian	RS. Bhayangkara dan RSUD Haji Makassar.			
Jenis Review	<input type="checkbox"/> Exempted <input checked="" type="checkbox"/> Expedited <input type="checkbox"/> Fullboard Tanggal		Masa Berlaku	Frekuensi review lanjutan
			3 Maret 2023 sampai 3 Maret 2024	
Ketua KEP Universitas Hasanuddin	Nama	Prof.Dr.dr. Suryani As'ad, M.Sc.,Sp.GK (K)		Tanda tangan
Sekretaris KEP Universitas Hasanuddin	Nama	dr. Aguslim Bukhari, M.Med.,Ph.D.,Sp.GK (K)		Tanda tangan

Kewajiban Peneliti Utama:

- Menyerahkan Amandemen Protokol untuk persetujuan sebelum di implementasikan
- Menyerahkan Laporan SAE ke Komisi Etik dalam 24 jam dan dilengkap dalam 7 hari dan Lapor SUSAR dalam 72 jam setelah Peneliti Utama menerima laporan
- Menyerahkan Laporan Kemajuan (progress report) setiap 6 bulan untuk penelitian resiko tinggi dan setiap setahun untuk penelitian resiko rendah
- Menyerahkan laporan akhir setelah Penelitian berakhir
- Melaporkan penyimpangan dari protokol yang disetujui (protocol deviation / violation)
- Mematuhi semua peraturan yang ditentukan

LAMPIRAN 2. Surat Izin Penelitian

Rumah Sakit Haji Makassar



PEMERINTAH PROPINSI SULAWESI SELATAN
RUMAH SAKIT UMUM DAERAH HAJI MAKASSAR
 Alamat : Jl. Dg. Ngeppe No. 14 Makassar ,Telp. 855934 – 856091 Fax (0411)855934

SURAT KETERANGAN
 Nomor : 445 /RSUDHaji

Yang bertanda tangan dibawah ini :

N A M A	: Dra. YUSTIATY YUSUF, SE, M.Si
NIP	: 19661218 199603 2 001
PANGKAT/GOL.	: PEMBINA TK. I/IVb
JABATAN	: KEPALA BIDANG DIKLAT, LITBANG DAN ETIKA


Dengan ini menerangkan :

NAMA	: KHAERANI KAMIL
NIM	: P062212008
FAKULTAS /JURUSAN	: ILMU BIOMEDIK
INSTITUSI/LEMBAGA	: UNIVERSITAS HASANUDDIN MAKASSAR

Adalah benar telah selesai melakukan Penelitian di Rumah Sakit Umum Daerah Haji Makassar Provinsi Sulawesi Selatan, dalam rangka penyusunan TESIS, pada tanggal : 17 Maret s/d 13 April 2023, Dengan Judul :

"EFEKTIVITAS SPINAL MOBILIZATION WITH LEG MOVEMENT TERHADAP PERUBAHAN FUNGSIONAL LUMBAL DAN ROM STRAIGHT LEG RAISE PADA PASIEN HNP YANG DIBERIKAN TERAPI KONVENSIONAL"

Demikian Surat Keterangan ini dibuat untuk dipergunakan sebagaimana mestinya.

Makassar, 13 April 2023
KEPALA BIDANG DIKLAT, LITBANG DAN ETIKA,

Dra. YUSTIATY YUSUF, SE, M.Si
 NIP. 19661218 199603 2 001

Rumah Sakit Bhayangkara Makassar

KEPOLISIAN DAERAH SULAWESI SELATAN
 BIDANG KEDOKTERAN DAN KESEHATAN
 RUMAH SAKIT BHAYANGKARA MAKASSAR



SURAT - KETERANGAN

Nomor : S.Kel/ 11 / IV / KES.2.6 / 2023

Yang bertanda tangan di bawah ini :

Nama : dr. MARTINUS GINTING, Sp.P
 Pangkat / NRP : AKBP / 72060543
 Jabatan : WAKARUMKIT
 Kesatuan : RUMAH SAKIT BHAYANGKARA MAKASSAR

Dengan ini menerangkan bahwa nama yang tersebut di bawah ini telah melakukan penelitian di Rumah Sakit Bhayangkara Makassar.

Nama : KHAERANI KAMIL
 Stambuk : P062212008
 Prodi : S2 – Ilmu Biomedik
 Asal Institusi : UNHAS Makassar
 Judul Penelitian : *Efektifitas Spinal Mobilization With Leg movement Terhadap Perubahan Fungsional Lumbal Dan ROM Straight Leg Raise Pada Pasien Herniated Nucleus Pulposus Lumbal Yang Di Berikan Terapi Konvensional.*

Demikian surat keterangan ini di buat dengan sebenar – benarnya untuk dapat dipergunakan sebagaimana mestinya.

Dikeluarkan di : Makassar
 pada tanggal : April 2023
 a.n. KARUMKIT BHAYANGKARA MAKASSAR

WAKARUMKIT


 dr. MARTINUS GINTING, Sp.P
 AKBP NRP. 72060543



LAMPIRAN 3. Master Tabel

Kelompok Konvensional (*Mc. Kenzie* + TENS)

No	Konvensional																
	Nama	JK	Umur	ROM SLR						ODI							
				Pre test	W1	W2	W3	W4	W5	W6	Pre test	W1	W2	W3	W4	W5	W6
	SY	P	47	63	63	64	83	85	90	98	28%	28%	28%	25%	20%	20%	17%
2	NO	L	48	65	65	63	75	85	85	97	32%	32%	32%	28%	23%	19%	19%
3	SB	L	44	30	30	30	35	46	48	55	20%	20%	20%	20%	17%	17%	10%
4	AB	P	50	55	55	70	70	90	100	100	27%	27%	27%	25%	20%	16%	16%
5	BA	P	48	63	63	60	75	83	90	97	38%	38%	38%	30%	23%	17%	10%
6	LE	L	35	60	60	60	64	73	75	86	43%	43%	42%	34%	26%	20%	17%
7	NU	P	32	40	40	42	42	55	58	72	50%	50%	50%	45%	33%	28%	20%
8	HJ	P	38	32	32	32	44	46	45	54	50%	50%	50%	40%	37%	30%	30%
9	HT	P	47	50	50	51	90	95	98	110	32%	32%	30%	27%	27%	20%	17%
10	SI	L	46	65	65	66	72	100	110	105	41%	41%	35%	35%	23%	19%	17%
11	SW	L	42	50	50	50	68	97	100	100	29%	29%	24%	24%	18%	17%	17%
12	RT	P	37	40	40	40	56	55	68	77	34%	34%	28%	22%	18%	18%	15%
13	EP	P	30	55	55	57	91	91	120	120	44%	44%	36%	36%	25%	19%	18%
14	OQ	L	50	45	45	45	49	65	90	98	27%	27%	25%	25%	18%	18%	15%
15	RI	P	32	65	65	58	60	75	100	100	37%	37%	27%	20%	18%	18%	13%
16	IW	P	33	52	52	52	50	63	69	82	55%	55%	50%	47%	36%	24%	19%
17	IN	P	47	66	66	70	90	95	98	110	44%	44%	39%	31%	24%	18%	16%
18	WA	P	39	65	65	65	73	85	92	100	20%	20%	20%	17%	17%	14%	14%
19	RT	L	36	66	66	66	77	83	91	105	22%	22%	20%	20%	16%	16%	14%

Kelompok Perlakuan (Mc.Kenzie + TENS + SMWLM)

No	Konvensional + SMWLM																
	Nama	JK	Umur	ROM SLR						ODI							
				Pre test	W1	W2	W3	W4	W5	W6	Pre test	W1	W2	W3	W4	W5	W6
1	RA	P	31	45	45	75	78	90	90	100	21%	21%	18%	18%	15%	10%	10%
2	AS	L	30	55	55	65	75	90	95	120	20%	20%	17%	15%	10%	10%	10%
3	FI	L	33	45	45	85	70	85	95	100	22%	22%	17%	15%	10%	7%	0
4	AQ	L	35	55	55	70	70	90	100	100	30%	30%	21%	16%	15%	10%	10%
5	NA	P	34	40	40	55	85	90	120	120	38%	38%	20%	20%	15%	10%	10%
6	SS	L	50	65	65	85	90	90	100	110	30%	30%	24%	18%	12%	10%	10%
7	WI	P	32	50	50	78	90	100	110	110	24%	24%	14%	10%	10%	7%	0
8	NU	P	38	40	40	57	65	80	90	90	50%	50%	32%	24%	18%	12%	10%
9	HA	P	47	50	50	72	90	95	98	110	32%	32%	20%	16%	10%	10%	10%
10	SU	P	50	65	65	83	90	100	110	105	38%	38%	23%	18%	15%	10%	10%
11	SG	P	42	50	50	72	90	97	100	100	35%	35%	20%	14%	12%	10%	10%
12	RO	P	44	40	40	78	90	85	95	100	34%	34%	20%	15%	12%	10%	6%
13	EN	P	45	67	67	95	105	115	120	120	16%	16%	14%	7%	0	0	0
14	OR	L	49	45	45	63	70	75	90	98	30%	30%	18%	10%	6%	0	0
15	RA	P	49	65	65	86	90	95	100	100	34%	34%	20%	14%	10%	8%	5%
16	IR	P	33	67	67	88	90	93	110	100	52%	52%	32%	20%	14%	17%	10%
17	IN	P	47	67	67	83	90	95	98	110	44%	44%	18%	12%	10%	0	0
18	RA	P	39	60	60	88	93	110	120	120	20%	20%	10%	5%	0	0	0
19	RJ	L	36	66	66	78	90	98	110	105	22%	22%	12%	8%	0	10%	5%

LAMPIRAN 4. Analisis Data

Frequencies

		Usia_Klp1			Cumulative
		Frequency	Percent	Valid Percent	Percent
Valid	30-34 Tahun	3	15.8	15.8	15.8
	35-39 Tahun	6	31.6	31.6	47.4
	40-44 Tahun	2	10.5	10.5	57.9
	45-50 Tahun	8	42.1	42.1	100.0
	Total	19	100.0	100.0	

		Usia_Klp2			Cumulative
		Frequency	Percent	Valid Percent	Percent
Valid	30-34 Tahun	6	31.6	31.6	31.6
	35-39 Tahun	4	21.1	21.1	52.6
	40-44 Tahun	2	10.5	10.5	63.2
	45-50 Tahun	7	36.8	36.8	100.0
	Total	19	100.0	100.0	

		JK_Klp1			Cumulative
		Frequency	Percent	Valid Percent	Percent
Valid	Laki-Laki	7	36.8	36.8	36.8
	Perempuan	12	63.2	63.2	100.0
	Total	19	100.0	100.0	

		JK_Klp2			Cumulative
		Frequency	Percent	Valid Percent	Percent
Valid	Laki-Laki	6	31.6	31.6	31.6
	Perempuan	13	68.4	68.4	100.0
	Total	19	100.0	100.0	

PreROM_Klp1

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	kurang dari70 derajat	19	46.3	100.0	100.0
Missing	System	22	53.7		
Total		41	100.0		

PreROM_Klp2

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	kurang dari70 derajat	19	46.3	100.0	100.0
Missing	System	22	53.7		
Total		41	100.0		

PreODI_Klp1

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Disabilitas Sedang (21-40)	12	29.3	63.2	63.2
	Disabilitas Berat (41-60)	7	17.1	36.8	100.0
	Total	19	46.3	100.0	
Missing	System	22	53.7		
Total		41	100.0		

PreODI_Klp2

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Disabilitas Minimal (0-20)	3	7.3	15.8	15.8
	Disabilitas Sedang (21-40)	13	31.7	68.4	84.2
	Disabilitas Berat (41-60)	3	7.3	15.8	100.0
	Total	19	46.3	100.0	
Missing	System	22	53.7		
Total		41	100.0		

Explore

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
PreROM_Klp1	.195	19	.055	.872	19	.016
Post1ROM_Klp1	.195	19	.055	.872	19	.016
Post2ROM_Klp1	.181	19	.104	.892	19	.034
Post3ROM_Klp1	.114	19	.200*	.954	19	.461
Post4ROM_Klp1	.209	19	.028	.911	19	.077
Post5ROM_Klp1	.217	19	.019	.932	19	.190
Post6ROM_Klp1	.274	19	.001	.886	19	.027
PreODI_Klp1	.403	19	.000	.616	19	.000
Post1ODI_Klp1	.403	19	.000	.616	19	.000
Post2ODI_Klp1	.482	19	.000	.507	19	.000
Post3ODI_Klp1	.433	19	.000	.626	19	.000
Post4ODI_Klp1	.403	19	.000	.616	19	.000
Post5ODI_Klp1	.430	19	.000	.591	19	.000
Post6ODI_Klp1	.538	19	.000	.244	19	.000

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

a. Lilliefors Significance Correction

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
PreROM_Klp2	.212	19	.025	.870	19	.015
Post1ROM_Klp2	.212	19	.025	.870	19	.015
Post2ROM_Klp2	.140	19	.200*	.956	19	.505
Post3ROM_Klp2	.324	19	.000	.841	19	.005
Post4ROM_Klp2	.152	19	.200*	.957	19	.518
Post5ROM_Klp2	.236	19	.007	.888	19	.030
Post6ROM_Klp2	.231	19	.009	.881	19	.022
PreODI_Klp2	.342	19	.000	.749	19	.000
Post1ODI_Klp2	.342	19	.000	.749	19	.000
Post2ODI_Klp2	.456	19	.000	.555	19	.000
Post3ODI_Klp2	.538	19	.000	.244	19	.000
Post4ODI_Klp2	.	19	.	.	19	.
Post5ODI_Klp2	.	19	.	.	19	.
Post6ODI_Klp2	.	19	.	.	19	.

Test of Homogeneity of Variance

		Levene Statistic	df1	df2	Sig.
PreROM_Gabung	Based on Mean	.300	1	36	.587
	Based on Median	.213	1	36	.647
	Based on Median and with adjusted df	.213	1	31.804	.648
	Based on trimmed mean	.229	1	36	.635

Test of Homogeneity of Variance

		Levene Statistic	df1	df2	Sig.
PreODI_Gabung	Based on Mean	1.735	1	36	.196
	Based on Median	.111	1	36	.741
	Based on Median and with adjusted df	.111	1	35.951	.741
	Based on trimmed mean	1.620	1	36	.211

Friedman Test

Ranks

	Mean Rank
PreROM_Klp1	2.00
Post1ROM_Klp1	2.00
Post2ROM_Klp1	2.32
Post3ROM_Klp1	3.76
Post4ROM_Klp1	5.00
Post5ROM_Klp1	6.08
Post6ROM_Klp1	6.84

Test Statistics^a

N	19
Chi-Square	104.192
df	6
Asymp. Sig.	.000

a. Friedman Test

Ranks

	Mean Rank
PreODI_Klp1	5.53
Post1ODI_Klp1	5.53
Post2ODI_Klp1	5.13
Post3ODI_Klp1	4.79
Post4ODI_Klp1	3.18
Post5ODI_Klp1	2.24
Post6ODI_Klp1	1.61

Test Statistics^a

N	19
Chi-Square	90.304
df	6
Asymp. Sig.	.000

a. Friedman Test

Ranks

	Mean Rank
PreROM_Klp2	1.50
Post1ROM_Klp2	1.50
Post2ROM_Klp2	3.11
Post3ROM_Klp2	4.00
Post4ROM_Klp2	4.92
Post5ROM_Klp2	6.34
Post6ROM_Klp2	6.63

Test Statistics^a

N	19
Chi-Square	111.380
df	6
Asymp. Sig.	.000

a. Friedman Test

Ranks

	Mean Rank
PreODI_Klp2	6.03
Post1ODI_Klp2	6.03
Post2ODI_Klp2	3.82
Post3ODI_Klp2	3.13
Post4ODI_Klp2	3.00
Post5ODI_Klp2	3.00
Post6ODI_Klp2	3.00

Test Statistics^a

N	19
Chi-Square	85.782
df	6
Asymp. Sig.	.000

a. Friedman Test

Wilcoxon Test**Test Statistics^a**

	PreROM_Klp1 - Post1ROM_Klp1	Post1ROM_Klp1 - Post2ROM_Klp1	Post2ROM_Klp1 - Post3ROM_Klp1	Post3ROM_Klp1 - Post4ROM_Klp1	Post4ROM_Klp1 - Post5ROM_Klp1	Post5ROM_Klp1 - Post6ROM_Klp1
Z	.000 ^b	-.666 ^c	-3.552 ^c	-3.681 ^c	-3.686 ^c	-3.358 ^c
Asymp. Sig. (2-tailed)	1.000	.505	.000	.000	.000	.001

a. Wilcoxon Signed Ranks Test

b. The sum of negative ranks equals the sum of positive ranks.

c. Based on positive ranks.

Test Statistics^a

	PreODI_Klp1 - Post1ODI_Klp1	Post1ODI_Klp1 - Post2ODI_Klp1	Post2ODI_Klp1 - Post3ODI_Klp1	Post3ODI_Klp1 - Post4ODI_Klp1	Post4ODI_Klp1 - Post5ODI_Klp1	Post5ODI_Klp1 - Post6ODI_Klp1
Z	.000 ^b	-1.732 ^c	-1.414 ^c	-3.000 ^c	-2.449 ^c	-2.236 ^c
Asymp. Sig. (2-tailed)	1.000	.083	.157	.003	.014	.025

a. Wilcoxon Signed Ranks Test

b. The sum of negative ranks equals the sum of positive ranks.

c. Based on negative ranks.

Test Statistics^a

	PreROM_Klp2 - Post1ROM_Klp2	Post1ROM_Klp2 - Post2ROM_Klp2	Post2ROM_Klp2 - Post3ROM_Klp2	Post3ROM_Klp2 - Post4ROM_Klp2	Post4ROM_Klp2 - Post5ROM_Klp2	Post5ROM_Klp2 - Post6ROM_Klp2
Z	.000 ^b	-3.826 ^c	-3.074 ^c	-3.546 ^c	-3.765 ^c	-1.881 ^c
Asymp. Sig. (2-tailed)	1.000	.000	.002	.000	.000	.060

a. Wilcoxon Signed Ranks Test

b. The sum of negative ranks equals the sum of positive ranks.

c. Based on positive ranks.

Test Statistics^a

	PreODI_Klp2 - Post1ODI_Klp2	Post1ODI_Klp2 - Post2ODI_Klp2	Post2ODI_Klp2 - Post3ODI_Klp2	Post3ODI_Klp2 - Post4ODI_Klp2	Post4ODI_Klp2 - Post5ODI_Klp2	Post5ODI_Klp2 - Post6ODI_Klp2
Z	.000 ^b	-3.500 ^c	-2.000 ^c	-1.000 ^c	.000 ^b	.000 ^b
Asymp. Sig. (2-tailed)	1.000	.000	.046	.317	1.000	1.000

a. Wilcoxon Signed Ranks Test

b. The sum of negative ranks equals the sum of positive ranks.

c. Based on negative ranks.

Mann-Whitney Nonparametric Test

Hypothesis Test Summary

	Null Hypothesis	Test	Sig.	Decision
1	The medians of PreROM_Gabung are the same across categories of Klp_Gabung.	Independent-Samples Median Test	1.000	Retain the null hypothesis.
2	The distribution of PreROM_Gabung is the same across categories of Klp_Gabung.	Independent-Samples Mann-Whitney U Test	.977 ¹	Retain the null hypothesis.
3	The medians of Post1ROM_Gabung are the same across categories of Klp_Gabung.	Independent-Samples Median Test	1.000	Retain the null hypothesis.
4	The distribution of Post1ROM_Gabung is the same across categories of Klp_Gabung.	Independent-Samples Mann-Whitney U Test	.977 ¹	Retain the null hypothesis.
5	The medians of Post2ROM_Gabung are the same across categories of Klp_Gabung.	Independent-Samples Median Test	.000	Reject the null hypothesis.
6	The distribution of Post2ROM_Gabung is the same across categories of Klp_Gabung.	Independent-Samples Mann-Whitney U Test	.000 ¹	Reject the null hypothesis.
7	The medians of Post3ROM_Gabung are the same across categories of Klp_Gabung.	Independent-Samples Median Test	.009	Reject the null hypothesis.
8	The distribution of Post3ROM_Gabung is the same across categories of Klp_Gabung.	Independent-Samples Mann-Whitney U Test	.001 ¹	Reject the null hypothesis.
9	The medians of Post4ROM_Gabung are the same across categories of Klp_Gabung.	Independent-Samples Median Test	.184	Retain the null hypothesis.
10	The distribution of Post4ROM_Gabung is the same across categories of Klp_Gabung.	Independent-Samples Mann-Whitney U Test	.003 ¹	Reject the null hypothesis.
11	The medians of Post5ROM_Gabung are the same across categories of Klp_Gabung.	Independent-Samples Median Test	.100	Retain the null hypothesis.
12	The distribution of Post5ROM_Gabung is the same across categories of Klp_Gabung.	Independent-Samples Mann-Whitney U Test	.005 ¹	Reject the null hypothesis.

Asymptotic significances are displayed. The significance level is .05.

¹Exact significance is displayed for this test.

	Null Hypothesis	Test	Sig.	Decision
13	The medians of Post6ROM_Gabung are the same across categories of Klp_Gabung.	Independent-Samples Median Test	.184	Retain the null hypothesis.
14	The distribution of Post6ROM_Gabung is the same across categories of Klp_Gabung.	Independent-Samples Mann-Whitney U Test	.008 ¹	Reject the null hypothesis.

Asymptotic significances are displayed. The significance level is .05.

¹Exact significance is displayed for this test.

Hypothesis Test Summary

	Null Hypothesis	Test	Sig.	Decision
1	The medians of PreODI_Gabung are the same across categories of Klp_Gabung.	Independent-Samples Median Test	.269	Retain the null hypothesis.
2	The distribution of PreODI_Gabung is the same across categories of Klp_Gabung.	Independent-Samples Mann-Whitney U Test	.103 ¹	Retain the null hypothesis.
3	The medians of Post1ODI_Gabung are the same across categories of Klp_Gabung.	Independent-Samples Median Test	.269	Retain the null hypothesis.
4	The distribution of Post1ODI_Gabung is the same across categories of Klp_Gabung.	Independent-Samples Mann-Whitney U Test	.103 ¹	Retain the null hypothesis.
5	The medians of Post2ODI_Gabung are the same across categories of Klp_Gabung.	Independent-Samples Median Test	.113	Retain the null hypothesis.
6	The distribution of Post2ODI_Gabung is the same across categories of Klp_Gabung.	Independent-Samples Mann-Whitney U Test	.000 ¹	Reject the null hypothesis.
7	The medians of Post3ODI_Gabung are the same across categories of Klp_Gabung.	Independent-Samples Median Test	.000	Reject the null hypothesis.
8	The distribution of Post3ODI_Gabung is the same across categories of Klp_Gabung.	Independent-Samples Mann-Whitney U Test	.000 ¹	Reject the null hypothesis.
9	The medians of Post4ODI_Gabung are the same across categories of Klp_Gabung.	Independent-Samples Median Test	.000	Reject the null hypothesis.
10	The distribution of Post4ODI_Gabung is the same across categories of Klp_Gabung.	Independent-Samples Mann-Whitney U Test	.001 ¹	Reject the null hypothesis.
11	The medians of Post5ODI_Gabung are the same across categories of Klp_Gabung.	Independent-Samples Median Test	.026	Reject the null hypothesis.
12	The distribution of Post5ODI_Gabung is the same across categories of Klp_Gabung.	Independent-Samples Mann-Whitney U Test	.096 ¹	Retain the null hypothesis.

Asymptotic significances are displayed. The significance level is .05.

¹Exact significance is displayed for this test.

Hypothesis Test Summary

	Null Hypothesis	Test	Sig.	Decision
13	The medians of Post6ODI_Gabung are the same across categories of Klp_Gabung.	Independent-Samples Median Test	1.000	Retain the null hypothesis.
14	The distribution of Post6ODI_Gabung is the same across categories of Klp_Gabung.	Independent-Samples Mann-Whitney U Test	.795 ¹	Retain the null hypothesis.

Asymptotic significances are displayed. The significance level is .05.

¹Exact significance is displayed for this test.

Lampiran 5. Dokumentasi Penelitian

Pengambilan Data Fungsional *lumbal* Menggunakan Questioner ODI



Pengambilan Data ROM SLR Menggunakan Goniometer



Pelaksanaan Intervensi Pada Terapi Konvensional (TENS + *Mc.Kenzie*)







Pelaksanaan Intervensi Terapi SMWLM



Lampiran 6. *Informant Consent*


KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET DAN TEKNOLOGI
UNIVERSITAS HASANUDDIN FAKULTAS KEDOKTERAN
KOMITE ETIK PENELITIAN UNIVERSITAS HASANUDDIN
RSPTN UNIVERSITAS HASANUDDIN
RSUP Dr. WAHIDIN SUDIROHUSODO MAKASSAR
 Sekretariat : Lantai 2 Gedung Laboratorium Terpadu
 JL.PERINTIS KEMERDEKAAN KAMPUS TAMALANREA KM.10 MAKASSAR 90245.
 Contact Person: dr. Agussalim Bukhari.,MMed,PhD, SpGK TELP. 081241850858, 0411 5780103. Fax : 0411-581431



FORMULIR PERSETUJUAN SETELAH PENJELASAN

Saya yang bertandatangan di bawah ini :

Nama :

Umur :

Masa Kerja :

Satuan :

Alamat :

Setelah mendengar/membaca dan mengerti penjelasan yang diberikan mengenai tujuan, manfaat, dan apa yang akan dilakukan pada penelitian ini, menyatakan setuju untuk ikut dalam penelitian ini secara sukarela tanpa paksaan.

Saya tahu bahwa keikutsertaan saya ini bersifat sukarela tanpa paksaan, sehingga saya bisa menolak ikut atau mengundurkan diri dari penelitian ini. Saya berhak bertanya atau meminta penjelasan pada peneliti bila masih ada hal yang belum jelas atau masih ada hal yang ingin saya ketahui tentang penelitian ini.

Saya juga mengerti bahwa semua biaya yang dikeluarkan sehubungan dengan penelitian ini, akan ditanggung oleh peneliti. Saya percaya bahwa keamanan dan kerahasiaan data penelitian akan terjamin dan saya dengan ini menyetujui semua data saya yang dihasilkan pada penelitian ini untuk disajikan dalam bentuk lisan maupun tulisan.

Dengan membubuhkan tandatangan saya di bawah ini, saya menegaskan keikutsertaan saya secara sukarela dalam studi penelitian ini.

	Nama	Tanda tangan	Tgl/Bln/Thn
Responden
/Wali
Saksi

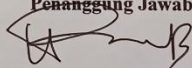
(Tanda Tangan Saksi diperlukan hanya jika Partisipan tidak dapat memberikan consent/persetujuan sehingga menggunakan wali yang sah secara hukum, yaitu untuk partisipan berikut:

1. Berusia di bawah 18 tahun
2. Usia lanjut
3. Gangguan mental
4. Pasien tidak sadar
5. Dan lain-lain kondisi yang tidak memungkinkan memberikan persetujuan

Penanggung jawab penelitian :

Nama : Khaerani Kamil
 Alamat : JL. Yusuf Bauty, Perum. Citra
 Garden Blok I3/32
 No Hp : 0822-2182-7060

Penanggung Jawab Medis :


 dr.Astrina Nur Bahrin M.Ked Klin.Sp.KFR
 Dokter Spesialis Rehabilitasi Medik RS.Bhayangkara
 Alamat : KOMP. VILLA SURYA MAS NO. A2
 No.Hp :

Lampiran 7. Curriculum Vitae**Curriculum Vitae Penulis**

Identitas Pribadi

Nama : Khaerani Kamil
Tempat/Tanggal Lahir : Palu, 09 Mei 1999
Alamat : Jl. Yusuf Bauty
No. Telp : 082221827060
Email : khaeranikamil09@gmail.com
Jurusan : Ilmu Biomedik Kons. Fisiologi
Fakultas : Kedokteran
Nama Ayah : Suhada, S.T
Nama Ibu : Kamil, S.Pd



Riwayat Pendidikan

1. 2005 – 2011 : SDN Inpres 5 Birobuli Palu
2. 2011 – 2014 : SMPN 2 Palu
3. 2014 – 2017 : SMAN 3 Palu
4. 2017 – 2021 : D.IV Fisioterapi Poltekkes Kemenkes Makassar
5. 2021 – Sekarang : S2 Ilmu Biomedik Fisiologi Universitas Hasanuddin