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LAMPIRAN

Lampiran 1 Surat persetujuan Etik



**KEMENTERIAN PENDIDIKAN, KEBUDAYAAN,
RISET DAN TEKNOLOGI
UNIVERSITAS HASANUDDIN
FAKULTAS KEPERAWATAN
KOMITE ETIK PENELITIAN KESEHATAN**


Sekretariat : Lantai 2 Fakultas Keperawatan UNHAS
Jl.Perintis Kemerdekaan Kampus Tamalanrea Km.10 Makassar 90245
Laman : kepk_repub@unhas.ac.id

REKOMENDASI PERSETUJUAN ETIK

Nomor : 1054/UN4.18.3/TP.01.02/2024

Tanggal: 03 Juni 2024

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

No Protokol	UH2405093	No Sponsor Protokol	
Peneliti Utama	Nur Fauziah Rahim S	Sponsor	
Judul Peneliti	Pengaruh <i>Exercise Sit to Stand</i> terhadap fungsional lutut pada lansia penderita <i>Osteoarthritis</i> di Klinik Pada Idi Medical Centre Kota Makassar		
No Versi Protokol	I	Tanggal Versi	27 Mei 2024
No Versi PSP	I	Tanggal Versi	27 Mei 2024
Tempat Penelitian	Pada Idi Medical Centre Kota Makassar		
Jenis Review	<input type="checkbox"/> Exempted <input checked="" type="checkbox"/> Expedited <input type="checkbox"/> Fullboard	Masa berlaku 03 Juni 2024 sampai 03 Juni 2025	Frekuensi review lanjutan
Ketua KEPK	Nama : Dr. Kadek Ayu Erika, S.Kep., Ns., M.Kes	Tanda Tangan 	
Sekretaris KEPK	Nama : Dr. Hastuti, S.Kep., Ns., M.Kes	Tanda Tangan 	

Kewajiban Peneliti Utama :

- Menyerahkan Amandemen Protokol untuk persetujuan sebelum di implementasikan
- Menyerahkan Laporan SAE ke Komite Etik dalam 24 jam dan dilengkapi dalam 7 hari dan Laporan *Suspected Unexpected Serious Adverse Reaction* (SUSAR) dalam 72 jam setelah Peneliti Utama menerima laporan
- Menyerahkan Laporan Kemajuan (progress report) setiap 6 bulan untuk penelitian resiko ringgi 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 Keterangan Meneliti



PADA IDI' MEDICAL CENTER
Medical clinic, laborator, drug store and Physiotherapy
Jln perintis kemerdekaan IX no 13 Makassar Tlp (0411) 8958569+62 823-8444-4292.
Padaidi.m@yahoo.com



SURAT KETERANGAN PENELITIAN

Nomor : 300/PMC -M6MT /IX /2024

Yang bertanda tangan di bawah ini :

Nama : Herdin S.Ft.,Physio.,M.Kes
Jabatan : Penanggung Jawab Fisioterapi Klinik Pada Idi Medical Centre

Dengan ini menerangkan bahwa :

Nama : Nur Fauziah Rahim s
Nim : R021201034
Program Studi : Fisioterapi
Pekerjaan : Mahasiswa (S1)
Alamat : Antang Jaya

Yang bersangkutan telah melakukan penelitian di Klinik Pada Idi Medical Centre Kota Makassar dengan judul : " Pengaruh *Sit to Stand* Terhadap Fungsional Lutut Pada Lansia Penderita *Osteoarthritis* di Klinik Pada Idi Medical Centre Kota Makassar

Demikian Surat Keterangan Penelitian ini di berikan kepada yang bersangkutan untuk digunakan sebagaimana mestinya

Makassar, juni 2024
Penanggung jawab



H. Herdin, S.Ft.,Physio.,M.Kes
FISIOTERAPIS
SIP : 503/07.1.14/SIPF-KES/DPM
PTSP/1/2022

Herdin S.Ft.,Physio.,M.Kes

Lampiran 3 *Informed Consent*

LEMBAR PERSETUJUAN MENJADI RESPONDEN PENELITIAN INFORMED CONSENT

Yang bertanda tangan di bawah ini:

Nama : ██████████
Alamat : ██████████
Usia : 62
Jenis kelamin : Perempuan

Setelah mendapatkan penjelasan dari peneliti terkait pemeriksaan yang akan diberikan, saya bersedia menjadi responden penelitian yang berjudul "Pengaruh *exercise Sit to Stand* terhadap fungsional lutut pada lansia penderita *Osteoarthritis*" yang akan dilakukan oleh Nur Fauziah Rahim S (R021201034) mahasiswa Program Studi S1 Fisioterapi Fakultas Keperawatan Universitas Hasanuddin Makassar.

Demikian lembar persetujuan ini dibuat dengan penuh kesadaran dan tanpa paksaan dari pihak lain, untuk dipergunakan sebagaimana mestinya.

Makassar, 4 April 2024

Yang menyatakan



Penanggung jawab penelitian:

Nama : Nur Fauziah Rahim s
Alamat : Griya bukit antang sejahtra
Tlp/Hp : 081244285954
E-mail : Nurfauziah2805@gmail.com

Lampiran 4 Kuesioner Penelitian

Kuesioner Penelitian

Petunjuk Pengisian :

Berilah tanda (✓) pada jawaban pilihan

1. Nama (Inisial) : ██████████
2. Umur : 30
3. Kaki yang terkena : Kanan / ~~Kiri~~ / Keduanya
4. Jemis Kelamin
() Laki-laki (✓) Perempuan
5. Pekerjaan : RT
6. Riwayat Penyakit
 - Sejak kapan terkena Osteoarthritis : sejak lama
 - Memiliki Foto X-Ray : ✓
 - Apakah memiliki riwayat cedera ekstremitas bawah pada salah satu/kedua ekstremitas (patah tulang) selama 3 bulan terakhir?
() Ya (✓) Tidak
 - Apakah memiliki riwayat lumpuh/mengalami kelumpuhan?
() Ya (✓) Tidak
 - Apakah memiliki riwayat penyakit lain? :
7. Hasil Pengukuran

Pertemuan	Sebelum			Sesudah			
	VAS	ROM	MMT	VAS	ROM	MMT	
Pre 1	8	140	4				
2				6	140	4	Post 1
3				5	140	4	Post 2
4				5	140	4	Post 3

Lampiran 5 Instrumen penilaian WOMAC

The Western Ontario and McMaster Universities Osteoarthritis Index (WOMAC)

Nama : ██████████
 Usia : 60
 Pekerjaan : pensiunan
 Nilai VAS : 8 sbm

Petunjuk:

Silahkan pilih setiap kategori sesuai dengan skala kesulitan yang dirasakan dalam aktivitas:
 0 = none/tidak ada nyeri, 1 = slight/ringan, 2 = moderate/sedang, 3 = very/berat, 4 = extremely/sangat nyeri

Lingkari satu angka pada setiap aktivitas dibawah ini:

Nyeri	1. Berjalan	0	1	2	3	4
	2. Menaiki tangga	0	1	2	3	4
	3. Kegiatan di malam hari	0	1	2	3	4
	4. Istirahat	0	1	2	3	4
	5. Berdiri statis	0	1	2	3	4
Kekakuan	1. Kaku di pagi hari	0	1	2	3	4
	2. Kaku pada hari berikutnya	0	1	2	3	4
Aktivitas Fungsional	1. Menuruni tangga	0	1	2	3	4
	2. Menaiki tangga	0	1	2	3	4
	3. Bangkit dari duduk	0	1	2	3	4
	4. Berdiri	0	1	2	3	4
	5. Membungkuk ke lantai	0	1	2	3	4
	6. Berjalan di atas permukaan	0	1	2	3	4
	7. Masuk/keluar mobil	0	1	2	3	4
	8. Pergi berbelanja	0	1	2	3	4
	9. Memakai kaos kaki	0	1	2	3	4
	10. Berbaring di atas tempat tidur	0	1	2	3	4
	11. Melepaskan kaos kaki	0	1	2	3	4
	12. Bangun dari tempat tidur	0	1	2	3	4
	13. Masuk/keluar kamar mandi	0	1	2	3	4
	14. Duduk	0	1	2	3	4
	15. Masuk/keluar toilet	0	1	2	3	4
	16. Pekerjaan rumah yang berat	0	1	2	3	4
	17. Pekerjaan rumah yang ringan	0	1	2	3	4

Sebelum =

Sesudah =

Lampiran 6 Hasil Olah Data SPSS

Statistik Karakteristik Responden**Usia**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid elderly	14	100.0	100.0	100.0

JK

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid Laki-Laki	6	42.9	42.9	42.9
Perempuan	8	57.1	57.1	100.0
Total	14	100.0	100.0	

Pekerjaan

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid IRT	8	57.1	57.1	57.1
Pensiunan	6	42.9	42.9	100.0
Total	14	100.0	100.0	

Sisi tungkai

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid kanan	4	28.6	28.6	28.6
Kiri	10	71.4	71.4	100.0
Total	14	100.0	100.0	

Distribusi Nyeri (VAS)**VAS.pre**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	nyeri sedang	3	21.4	21.4	21.4
	nyeri berat	11	78.6	78.6	100.0
	Total	14	100.0	100.0	

VAS.post1

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	nyeri ringan	2	14.3	14.3	14.3
	nyeri sedang	10	71.4	71.4	85.7
	nyeri berat	2	14.3	14.3	100.0
	Total	14	100.0	100.0	

VAS.post2

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	nyeri ringan	8	57.1	57.1	57.1
	nyeri sedang	6	42.9	42.9	100.0
	Total	14	100.0	100.0	

VAS.post3

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	nyeri ringan	10	71.4	71.4	71.4
	nyeri sedang	4	28.6	28.6	100.0
	Total	14	100.0	100.0	

Distribusi ROM**ROM.pre**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	menetap	14	100.0	100.0	100.0

VAS.post2

ROM.post1

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	menetap	6	42.9	42.9	42.9
	meningkat sedikit	2	14.3	14.3	57.1
	meningkat sedang	5	35.7	35.7	92.9
	meningkat banyak	1	7.1	7.1	100.0
	Total	14	100.0	100.0	

ROM.post2

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	menetap	5	35.7	35.7	35.7
	meningkat sedikit	2	14.3	14.3	50.0
	meningkat sedang	6	42.9	42.9	92.9
	meningkat banyak	1	7.1	7.1	100.0
	Total	14	100.0	100.0	

ROM.post3

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	menetap	5	35.7	35.7	35.7
	meningkat sedikit	1	7.1	7.1	42.9
	meningkat sedang	4	28.6	28.6	71.4
	meningkat banyak	4	28.6	28.6	100.0
	Total	14	100.0	100.0	

Distribusi MMT**MMT.pre**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	lemah	1	7.1	7.1	7.1
	cukup	4	28.6	28.6	35.7
	baik	9	64.3	64.3	100.0
	Total	14	100.0	100.0	

MMT.post1

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	lemah	1	7.1	7.1	7.1
	cukup	4	28.6	28.6	35.7
	baik	9	64.3	64.3	100.0
	Total	14	100.0	100.0	

MMT.post2

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	cukup	1	7.1	7.1	7.1
	baik	5	35.7	35.7	42.9
	normal	8	57.1	57.1	100.0
	Total	14	100.0	100.0	

MMT.post3

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	cukup lemah	1	7.1	7.1	7.1
	baik	2	14.3	14.3	21.4
	normal	11	78.6	78.6	100.0
	Total	14	100.0	100.0	

Distribusi Fungsional Lutut**WOMAC.pre**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	sedang	1	7.1	7.1	7.1
	berat	12	85.7	85.7	92.9
	sangat berat	1	7.1	7.1	100.0
	Total	14	100.0	100.0	

VAS.post2

WOMAC.post1

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	sedang	2	14.3	14.3	14.3
	berat	12	85.7	85.7	100.0
	Total	14	100.0	100.0	

WOMAC.post2

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	sedang	8	57.1	57.1	57.1
	berat	6	42.9	42.9	100.0
	Total	14	100.0	100.0	

WOMAC.post3

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	ringan	1	7.1	7.1	7.1
	sedang	12	85.7	85.7	92.9
	berat	1	7.1	7.1	100.0
	Total	14	100.0	100.0	

Distribusi Nyeri (VAS) Berdasarkan Karakteristik Usia**Usia * VAS.pre Crosstabulation**

			nyeri sedang	nyeri berat	Total
Usia	elderly	Count	3	11	14
		Expected Count	3.0	11.0	14.0
		% within Usia	21.4%	78.6%	100.0%
		% within VAS.pre	100.0%	100.0%	100.0%
		% of Total	21.4%	78.6%	100.0%
Total		Count	3	11	14
		Expected Count	3.0	11.0	14.0
		% within Usia	21.4%	78.6%	100.0%
		% within VAS.pre	100.0%	100.0%	100.0%
		% of Total	21.4%	78.6%	100.0%

Usia * VAS.post1 Crosstabulation

Usia	elderly	Count	VAS.post1			Total
			nyeri ringan	nyeri sedang	nyeri berat	
		Count	2	10	2	14
		Expected Count	2.0	10.0	2.0	14.0
		% within Usia	14.3%	71.4%	14.3%	100.0%
		% within VAS.post1	100.0%	100.0%	100.0%	100.0%
		% of Total	14.3%	71.4%	14.3%	100.0%
Total		Count	2	10	2	14
		Expected Count	2.0	10.0	2.0	14.0
		% within Usia	14.3%	71.4%	14.3%	100.0%
		% within VAS.post1	100.0%	100.0%	100.0%	100.0%
		% of Total	14.3%	71.4%	14.3%	100.0%

Usia * VAS.post2 Crosstabulation

Usia	elderly	Count	VAS.post2		Total
			nyeri ringan	nyeri sedang	
		Count	8	6	14
		Expected Count	8.0	6.0	14.0
		% within Usia	57.1%	42.9%	100.0%
		% within VAS.post2	100.0%	100.0%	100.0%
		% of Total	57.1%	42.9%	100.0%
Total		Count	8	6	14
		Expected Count	8.0	6.0	14.0
		% within Usia	57.1%	42.9%	100.0%
		% within VAS.post2	100.0%	100.0%	100.0%
		% of Total	57.1%	42.9%	100.0%

VAS.post2

Usia * VAS.post3 Crosstabulation

		VAS.post3		Total	
		nyeri ringan	nyeri sedang		
Usia	elderly	Count	10	4	14
		Expected Count	10.0	4.0	14.0
		% within Usia	71.4%	28.6%	100.0%
		% within VAS.post3	100.0%	100.0%	100.0%
		% of Total	71.4%	28.6%	100.0%
Total	Count	10	4	14	
	Expected Count	10.0	4.0	14.0	
	% within Usia	71.4%	28.6%	100.0%	
	% within VAS.post3	100.0%	100.0%	100.0%	
	% of Total	71.4%	28.6%	100.0%	

Distribusi Nyeri (VAS) Berdasarkan Karakteristik Jenis kelamin

JK * VAS.pre Crosstabulation

		VAS.pre		Total	
		nyeri sedang	nyeri berat		
JK	Laki- Laki	Count	1	5	6
		Expected Count	1.3	4.7	6.0
		% within JK	16.7%	83.3%	100.0%
		% within VAS.pre	33.3%	45.5%	42.9%
		% of Total	7.1%	35.7%	42.9%
	Perempuan	Count	2	6	8
		Expected Count	1.7	6.3	8.0
		% within JK	25.0%	75.0%	100.0%
		% within VAS.pre	66.7%	54.5%	57.1%
		% of Total	14.3%	42.9%	57.1%
Total	Count	3	11	14	
	Expected Count	3.0	11.0	14.0	
	% within JK	21.4%	78.6%	100.0%	
	% within VAS.pre	100.0%	100.0%	100.0%	
	% of Total	21.4%	78.6%	100.0%	

VAS.post2

JK * VAS.post1 Crosstabulation

JK			VAS.post1			Total
			nyeri ringan	nyeri sedang	nyeri berat	
JK	Laki- Laki	Count	0	5	1	6
		Expected Count	.9	4.3	.9	6.0
		% within JK	0.0%	83.3%	16.7%	100.0%
		% within VAS.post1	0.0%	50.0%	50.0%	42.9%
		% of Total	0.0%	35.7%	7.1%	42.9%
	Perempuan	Count	2	5	1	8
		Expected Count	1.1	5.7	1.1	8.0
		% within JK	25.0%	62.5%	12.5%	100.0%
		% within VAS.post1	100.0%	50.0%	50.0%	57.1%
		% of Total	14.3%	35.7%	7.1%	57.1%
Total	Count	2	10	2	14	
	Expected Count	2.0	10.0	2.0	14.0	
	% within JK	14.3%	71.4%	14.3%	100.0%	
	% within VAS.post1	100.0%	100.0%	100.0%	100.0%	
	% of Total	14.3%	71.4%	14.3%	100.0%	

JK * VAS.post2 Crosstabulation

JK			VAS.post2		Total
			nyeri ringan	nyeri sedang	
JK	Laki- Laki	Count	5	1	6
		Expected Count	3.4	2.6	6.0
		% within JK	83.3%	16.7%	100.0%
		% within VAS.post2	62.5%	16.7%	42.9%
		% of Total	35.7%	7.1%	42.9%
	Perempuan	Count	3	5	8
		Expected Count	4.6	3.4	8.0
		% within JK	37.5%	62.5%	100.0%
		% within VAS.post2	37.5%	83.3%	57.1%
		% of Total	21.4%	35.7%	57.1%
Total	Count	8	6	14	
	Expected Count	8.0	6.0	14.0	
	% within JK	57.1%	42.9%	100.0%	

% within VAS.post2	100.0%	100.0%	100.0%
% of Total	57.1%	42.9%	100.0%

JK * VAS.post3 Crosstabulation

		VAS.post3		Total	
		nyeri ringan	nyeri sedang		
JK	Laki- Laki	Count	5	1	6
		Expected Count	4.3	1.7	6.0
		% within JK	83.3%	16.7%	100.0%
		% within VAS.post3	50.0%	25.0%	42.9%
		% of Total	35.7%	7.1%	42.9%
	Perempuan	Count	5	3	8
		Expected Count	5.7	2.3	8.0
		% within JK	62.5%	37.5%	100.0%
		% within VAS.post3	50.0%	75.0%	57.1%
		% of Total	35.7%	21.4%	57.1%
Total	Count	10	4	14	
	Expected Count	10.0	4.0	14.0	
	% within JK	71.4%	28.6%	100.0%	
	% within VAS.post3	100.0%	100.0%	100.0%	
	% of Total	71.4%	28.6%	100.0%	

Distribusi Nyeri (VAS) Berdasarkan Karakteritik Pekerjaan Pekerjaan * VAS.pre Crosstabulation

		VAS.pre		Total	
		nyeri sedang	nyeri berat		
Pekerjaan	IRT	Count	2	6	8
		Expected Count	1.7	6.3	8.0
		% within Pekerjaan	25.0%	75.0%	100.0%
		% within VAS.pre	66.7%	54.5%	57.1%
		% of Total	14.3%	42.9%	57.1%
	Pensiunan	Count	1	5	6
		Expected Count	1.3	4.7	6.0
		% within Pekerjaan	16.7%	83.3%	100.0%
		% within VAS.pre	33.3%	45.5%	42.9%
		% of Total	7.1%	35.7%	42.9%
Total	Count	3	11	14	
	Expected Count	3.0	11.0	14.0	
	% within Pekerjaan	21.4%	78.6%	100.0%	
	% within VAS.pre	100.0%	100.0%	100.0%	
	% of Total	21.4%	78.6%	100.0%	

Pekerjaan * VAS.post1 Crosstabulation

		VAS.post1				
		nyeri ringan	nyeri sedang	nyeri berat	Total	
Pekerjaan	IRT	Count	2	5	1	8
		Expected Count	1.1	5.7	1.1	8.0
		% within Pekerjaan	25.0%	62.5%	12.5%	100.0%
		% within VAS.post1	100.0%	50.0%	50.0%	57.1%
		% of Total	14.3%	35.7%	7.1%	57.1%
Pensiunan		Count	0	5	1	6
		Expected Count	.9	4.3	.9	6.0
		% within Pekerjaan	0.0%	83.3%	16.7%	100.0%
		% within VAS.post1	0.0%	50.0%	50.0%	42.9%
		% of Total	0.0%	35.7%	7.1%	42.9%
Total		Count	2	10	2	14
		Expected Count	2.0	10.0	2.0	14.0
		% within Pekerjaan	14.3%	71.4%	14.3%	100.0%
		% within VAS.post1	100.0%	100.0%	100.0%	100.0%
		% of Total	14.3%	71.4%	14.3%	100.0%

Pekerjaan * VAS.post2 Crosstabulation

		VAS.post2			
		nyeri ringan	nyeri sedang	Total	
Pekerjaan	IRT	Count	3	5	8
		Expected Count	4.6	3.4	8.0
		% within Pekerjaan	37.5%	62.5%	100.0%
		% within VAS.post2	37.5%	83.3%	57.1%
		% of Total	21.4%	35.7%	57.1%
Pensiunan		Count	5	1	6
		Expected Count	3.4	2.6	6.0
		% within Pekerjaan	83.3%	16.7%	100.0%
		% within VAS.post2	62.5%	16.7%	42.9%
		% of Total	35.7%	7.1%	42.9%

Total	Count	8	6	14
	Expected Count	8.0	6.0	14.0
	% within Pekerjaan	57.1%	42.9%	100.0%
	% within VAS.post2	100.0%	100.0%	100.0%
	% of Total	57.1%	42.9%	100.0%

Pekerjaan * VAS.post3 Crosstabulation

		VAS.post3		Total	
		nyeri ringan	nyeri sedang		
Pekerjaan	IRT	Count	5	3	8
		Expected Count	5.7	2.3	8.0
		% within Pekerjaan	62.5%	37.5%	100.0%
		% within VAS.post3	50.0%	75.0%	57.1%
		% of Total	35.7%	21.4%	57.1%
	Pensiunan	Count	5	1	6
		Expected Count	4.3	1.7	6.0
		% within Pekerjaan	83.3%	16.7%	100.0%
		% within VAS.post3	50.0%	25.0%	42.9%
		% of Total	35.7%	7.1%	42.9%
Total	Count	10	4	14	
	Expected Count	10.0	4.0	14.0	
	% within Pekerjaan	71.4%	28.6%	100.0%	
	% within VAS.post3	100.0%	100.0%	100.0%	
	% of Total	71.4%	28.6%	100.0%	

VAS.post2

Distribusi Nyeri (VAS) Berdasarkan Karakteristik Sisi Tungkai

Sisitungkai * VAS.pre Crosstabulation

		VAS.pre		Total	
		nyeri sedang	nyeri berat		
Sisitungkai	kanan	Count	1	3	4
		Expected Count	.9	3.1	4.0
		% within Sisitungkai	25.0%	75.0%	100.0%
		% within VAS.pre	33.3%	27.3%	28.6%
		% of Total	7.1%	21.4%	28.6%
	Kiri	Count	2	8	10
		Expected Count	2.1	7.9	10.0
		% within Sisitungkai	20.0%	80.0%	100.0%
		% within VAS.pre	66.7%	72.7%	71.4%
		% of Total	14.3%	57.1%	71.4%
Total	Count	3	11	14	
	Expected Count	3.0	11.0	14.0	
	% within Sisitungkai	21.4%	78.6%	100.0%	
	% within VAS.pre	100.0%	100.0%	100.0%	
	% of Total	21.4%	78.6%	100.0%	

Sisitungkai * VAS.post1 Crosstabulation

		VAS.post1			Total	
		nyeri ringan	nyeri sedang	nyeri berat		
Sisitungkai	kanan	Count	1	2	1	4
		Expected Count	.6	2.9	.6	4.0
		% within Sisitungkai	25.0%	50.0%	25.0%	100.0%
		% within VAS.post1	50.0%	20.0%	50.0%	28.6%
		% of Total	7.1%	14.3%	7.1%	28.6%
	Kiri	Count	1	8	1	10
		Expected Count	1.4	7.1	1.4	10.0
		% within Sisitungkai	10.0%	80.0%	10.0%	100.0%
		% within VAS.post1	50.0%	80.0%	50.0%	71.4%
		% of Total	7.1%	57.1%	7.1%	71.4%
Total	Count	2	10	2	14	
	Expected Count	2.0	10.0	2.0	14.0	

% within Sisitungkai	14.3%	71.4%	14.3%	100.0%
% within VAS.post1	100.0%	100.0%	100.0%	100.0%
% of Total	14.3%	71.4%	14.3%	100.0%

Sisitungkai * VAS.post2 Crosstabulation

		VAS.post2		Total	
		nyeri ringan	nyeri sedang		
Sisitungkai	kanan	Count	1	3	4
		Expected Count	2.3	1.7	4.0
		% within Sisitungkai	25.0%	75.0%	100.0%
		% within VAS.post2	12.5%	50.0%	28.6%
		% of Total	7.1%	21.4%	28.6%
	Kiri	Count	7	3	10
		Expected Count	5.7	4.3	10.0
		% within Sisitungkai	70.0%	30.0%	100.0%
		% within VAS.post2	87.5%	50.0%	71.4%
		% of Total	50.0%	21.4%	71.4%
Total	Count	8	6	14	
	Expected Count	8.0	6.0	14.0	
	% within Sisitungkai	57.1%	42.9%	100.0%	
	% within VAS.post2	100.0%	100.0%	100.0%	
	% of Total	57.1%	42.9%	100.0%	

Sisitungkai * VAS.post3 Crosstabulation

		VAS.post3		Total	
		nyeri ringan	nyeri sedang		
Sisitungkai	kanan	Count	1	3	4
		Expected Count	2.9	1.1	4.0
		% within Sisitungkai	25.0%	75.0%	100.0%
		% within VAS.post3	10.0%	75.0%	28.6%
		% of Total	7.1%	21.4%	28.6%
	Kiri	Count	9	1	10
		Expected Count	7.1	2.9	10.0
		% within Sisitungkai	90.0%	10.0%	100.0%
		% within VAS.post3	90.0%	25.0%	71.4%

	% of Total	64.3%	7.1%	71.4%
Total	Count	10	4	14
	Expected Count	10.0	4.0	14.0
	% within Sisitungkai	71.4%	28.6%	100.0%
	% within VAS.post3	100.0%	100.0%	100.0%
	% of Total	71.4%	28.6%	100.0%

Distribusi ROM Berdasarkan Karakteritik Usia

Usia * ROM.pre Crosstabulation

			ROM.pre menetap	Total
Usia elderly	Count		14	14
	% within Usia		100.0%	100.0%
	% within ROM.pre		100.0%	100.0%
	% of Total		100.0%	100.0%
Total	Count		14	14
	% within Usia		100.0%	100.0%
	% within ROM.pre		100.0%	100.0%
	% of Total		100.0%	100.0%

Usia * ROM.post1 Crosstabulation

		ROM.post1				Total
		meneta p	meningkat sedikit	meningkat sedang	meningkat banyak	
Usia elderly	Count	6	2	5	1	14
	% within Usia	42.9%	14.3%	35.7%	7.1%	100.0%
	% within ROM.post1	100.0%	100.0%	100.0%	100.0%	100.0%
	% of Total	42.9%	14.3%	35.7%	7.1%	100.0%
Total	Count	6	2	5	1	14
	% within Usia	42.9%	14.3%	35.7%	7.1%	100.0%
	% within ROM.post1	100.0%	100.0%	100.0%	100.0%	100.0%
	% of Total	42.9%	14.3%	35.7%	7.1%	100.0%

Usia * ROM.post2 Crosstabulation

		ROM.post2				Total
		meneta p	meningkat sedikit	meningkat sedang	meningkat banyak	
Usia elderly	Count	5	2	6	1	14
	% within Usia	35.7%	14.3%	42.9%	7.1%	100.0%
	% within ROM.post2	100.0%	100.0%	100.0%	100.0%	100.0%
	% of Total	35.7%	14.3%	42.9%	7.1%	100.0%
Total	Count	5	2	6	1	14
	% within Usia	35.7%	14.3%	42.9%	7.1%	100.0%
	% within ROM.post2	100.0%	100.0%	100.0%	100.0%	100.0%
	% of Total	35.7%	14.3%	42.9%	7.1%	100.0%

Usia * ROM.post3 Crosstabulation

		ROM.post3				Total
		meneta p	meningkat sedikit	meningkat sedang	meningkat banyak	
Usia elderly	Count	5	1	4	4	14
	% within Usia	35.7%	7.1%	28.6%	28.6%	100.0%
	% within ROM.post3	100.0%	100.0%	100.0%	100.0%	100.0%
	% of Total	35.7%	7.1%	28.6%	28.6%	100.0%
Total	Count	5	1	4	4	14
	% within Usia	35.7%	7.1%	28.6%	28.6%	100.0%
	% within ROM.post3	100.0%	100.0%	100.0%	100.0%	100.0%
	% of Total	35.7%	7.1%	28.6%	28.6%	100.0%

Distribusi ROM Berdasarkan Karakteritik Jenis kelamin

Usia * ROM.pre Crosstabulation

		ROM.pre menetap	Total
Usia elderly	Count	14	14
	% within Usia	100.0%	100.0%
	% within ROM.pre	100.0%	100.0%
	% of Total	100.0%	100.0%
Total	Count	14	14
	% within Usia	100.0%	100.0%
	% within ROM.pre	100.0%	100.0%
	% of Total	100.0%	100.0%

Usia * ROM.post1 Crosstabulation

		ROM.post1				Total
		meneta p	meningkat sedikit	meningkat sedang	meningkat banyak	
Usia elderly	Count	6	2	5	1	14
	% within Usia	42.9%	14.3%	35.7%	7.1%	100.0%
	% within ROM.post1	100.0%	100.0%	100.0%	100.0%	100.0%
	% of Total	42.9%	14.3%	35.7%	7.1%	100.0%
Total	Count	6	2	5	1	14
	% within Usia	42.9%	14.3%	35.7%	7.1%	100.0%
	% within ROM.post1	100.0%	100.0%	100.0%	100.0%	100.0%
	% of Total	42.9%	14.3%	35.7%	7.1%	100.0%

Usia * ROM.post2 Crosstabulation

		ROM.post2				Total
		meneta p	meningkat sedikit	meningkat sedang	meningkat banyak	
Usia elderly	Count	5	2	6	1	14
	% within Usia	35.7%	14.3%	42.9%	7.1%	100.0%
	% within ROM.post2	100.0%	100.0%	100.0%	100.0%	100.0%
	% of Total	35.7%	14.3%	42.9%	7.1%	100.0%
Total	Count	5	2	6	1	14
	% within Usia	35.7%	14.3%	42.9%	7.1%	100.0%
	% within ROM.post2	100.0%	100.0%	100.0%	100.0%	100.0%
	% of Total	35.7%	14.3%	42.9%	7.1%	100.0%

Usia * ROM.post3 Crosstabulation

		ROM.post3			Total	
		menetap	meningkat sedikit	meningkat sedang		meningkat banyak
Usia elderly	Count	5	1	4	4	14

	% within Usia	35.7%	7.1%	28.6%	28.6%	100.0%
	% within ROM.post3	100.0%	100.0%	100.0%	100.0%	100.0%
	% of Total	35.7%	7.1%	28.6%	28.6%	100.0%
Total	Count	5	1	4	4	14
	% within Usia	35.7%	7.1%	28.6%	28.6%	100.0%
	% within ROM.post3	100.0%	100.0%	100.0%	100.0%	100.0%
	% of Total	35.7%	7.1%	28.6%	28.6%	100.0%

Distribusi ROM Berdasarkan Karakteristik Jenis Kelamin

JK * ROM.pre Crosstabulation

			ROM.pre menetap	Total
JK	Laki- Laki	Count	6	6
		% within JK	100.0%	100.0%
		% within ROM.pre	42.9%	42.9%
		% of Total	42.9%	42.9%
Perempuan	Count	8	8	
	% within JK	100.0%	100.0%	
	% within ROM.pre	57.1%	57.1%	
	% of Total	57.1%	57.1%	
Total	Count	14	14	
	% within JK	100.0%	100.0%	
	% within ROM.pre	100.0%	100.0%	
	% of Total	100.0%	100.0%	

JK * ROM.post1 Crosstabulation

		ROM.post1				Total	
		meneta p	meningkat sedikit	meningkat sedang	meningkat banyak		
JK	Laki- Laki	Count	1	2	3	0	6
		% within JK	16.7%	33.3%	50.0%	0.0%	100.0%
		% within ROM.post1	16.7%	100.0%	60.0%	0.0%	42.9%
		% of Total	7.1%	14.3%	21.4%	0.0%	42.9%
Perempua n	Count	5	0	2	1	8	
	% within JK	62.5%	0.0%	25.0%	12.5%	100.0%	
	% within ROM.post1	83.3%	0.0%	40.0%	100.0%	57.1%	
	% of Total	35.7%	0.0%	14.3%	7.1%	57.1%	

Total	Count	6	2	5	1	14
	% within JK	42.9%	14.3%	35.7%	7.1%	100.0%
	% within ROM.post1	100.0%	100.0%	100.0%	100.0%	100.0%
	% of Total	42.9%	14.3%	35.7%	7.1%	100.0%

JK * ROM.post2 Crosstabulation

		ROM.post2				Total	
		meneta p	meningkat sedikit	meningkat sedang	meningkat banyak		
JK	Laki- Laki	Count	1	2	3	0	6
		% within JK	16.7%	33.3%	50.0%	0.0%	100.0%
		% within ROM.post2	20.0%	100.0%	50.0%	0.0%	42.9%
		% of Total	7.1%	14.3%	21.4%	0.0%	42.9%
Perempua n	Perempua n	Count	4	0	3	1	8
		% within JK	50.0%	0.0%	37.5%	12.5%	100.0%
		% within ROM.post2	80.0%	0.0%	50.0%	100.0%	57.1%
		% of Total	28.6%	0.0%	21.4%	7.1%	57.1%
Total	Total	Count	5	2	6	1	14
		% within JK	35.7%	14.3%	42.9%	7.1%	100.0%
		% within ROM.post2	100.0%	100.0%	100.0%	100.0%	100.0%
		% of Total	35.7%	14.3%	42.9%	7.1%	100.0%

JK * ROM.post3 Crosstabulation

		ROM.post3				Total	
		meneta p	meningkat sedikit	meningkat sedang	meningkat banyak		
JK	Laki- Laki	Count	1	1	3	1	6
		% within JK	16.7%	16.7%	50.0%	16.7%	100.0%
		% within ROM.post3	20.0%	100.0%	75.0%	25.0%	42.9%
		% of Total	7.1%	7.1%	21.4%	7.1%	42.9%
Perempua n	Perempua n	Count	4	0	1	3	8
		% within JK	50.0%	0.0%	12.5%	37.5%	100.0%
		% within ROM.post3	80.0%	0.0%	25.0%	75.0%	57.1%
		% of Total	28.6%	0.0%	7.1%	21.4%	57.1%
Total	Total	Count	5	1	4	4	14
		% within JK	35.7%	7.1%	28.6%	28.6%	100.0%

% within ROM.post3	100.0%	100.0%	100.0%	100.0%	100.0%
% of Total	35.7%	7.1%	28.6%	28.6%	100.0%

Distribusi ROM Berdasarkan Karakteristik Pekerjaan

Pekerjaan * ROM.pre Crosstabulation

			ROM.pre menetap	Total
Pekerjaan	IRT	Count	8	8
		% within Pekerjaan	100.0%	100.0%
		% within ROM.pre	57.1%	57.1%
		% of Total	57.1%	57.1%
	Pensiunan	Count	6	6
		% within Pekerjaan	100.0%	100.0%
		% within ROM.pre	42.9%	42.9%
Total	Count	14	14	
	% within Pekerjaan	100.0%	100.0%	
	% within ROM.pre	100.0%	100.0%	
	% of Total	100.0%	100.0%	

Pekerjaan * ROM.post1 Crosstabulation

		ROM.post1				Total	
		menetap	meningkat sedikit	meningkat sedang	meningkat banyak		
Pekerjaan	IRT	Count	5	0	2	1	8
		% within Pekerjaan	62.5%	0.0%	25.0%	12.5%	100.0%
		% within ROM.post1	83.3%	0.0%	40.0%	100.0%	57.1%
		% of Total	35.7%	0.0%	14.3%	7.1%	57.1%
	Pensiunan	Count	1	2	3	0	6
		% within Pekerjaan	16.7%	33.3%	50.0%	0.0%	100.0%
		% within ROM.post1	16.7%	100.0%	60.0%	0.0%	42.9%
		% of Total	7.1%	14.3%	21.4%	0.0%	42.9%
Total	Count	6	2	5	1	14	
	% within Pekerjaan	42.9%	14.3%	35.7%	7.1%	100.0%	

% within ROM.post1	100.0%	100.0%	100.0%	100.0%	100.0%
% of Total	42.9%	14.3%	35.7%	7.1%	100.0%

Pekerjaan * ROM.post2 Crosstabulation

		ROM.post2				Total	
		meneta p	meningkat sedikit	meningkat sedang	meningkat banyak		
Pekerjaan	IRT	Count	4	0	3	1	8
		% within Pekerjaan	50.0%	0.0%	37.5%	12.5%	100.0%
		% within ROM.post2	80.0%	0.0%	50.0%	100.0%	57.1%
		% of Total	28.6%	0.0%	21.4%	7.1%	57.1%
	Pensiunan	Count	1	2	3	0	6
		% within Pekerjaan	16.7%	33.3%	50.0%	0.0%	100.0%
		% within ROM.post2	20.0%	100.0%	50.0%	0.0%	42.9%
		% of Total	7.1%	14.3%	21.4%	0.0%	42.9%
Total	Count	5	2	6	1	14	
	% within Pekerjaan	35.7%	14.3%	42.9%	7.1%	100.0%	
	% within ROM.post2	100.0%	100.0%	100.0%	100.0%	100.0%	
	% of Total	35.7%	14.3%	42.9%	7.1%	100.0%	

Pekerjaan * ROM.post3 Crosstabulation

		ROM.post3				Total	
		meneta p	meningkat sedikit	meningkat sedang	meningkat banyak		
Pekerjaan	IRT	Count	4	0	1	3	8
		% within Pekerjaan	50.0%	0.0%	12.5%	37.5%	100.0%
		% within ROM.post3	80.0%	0.0%	25.0%	75.0%	57.1%
		% of Total	28.6%	0.0%	7.1%	21.4%	57.1%
	Pensiunan	Count	1	1	3	1	6
		% within Pekerjaan	16.7%	16.7%	50.0%	16.7%	100.0%
		% within ROM.post3	20.0%	100.0%	75.0%	25.0%	42.9%

	% of Total	7.1%	7.1%	21.4%	7.1%	42.9%
Total	Count	5	1	4	4	14
	% within Pekerjaan	35.7%	7.1%	28.6%	28.6%	100.0%
	% within ROM.post3	100.0%	100.0%	100.0%	100.0%	100.0%
	% of Total	35.7%	7.1%	28.6%	28.6%	100.0%

Distribusi ROM Berdasarkan Karakteritik Sisi Tungkai

Sisitungkai * ROM.pre Crosstabulation

			ROM.pre menetap	Total
Sisitungkai	kanan	Count	4	4
		% within Sisitungkai	100.0%	100.0%
		% within ROM.pre	28.6%	28.6%
		% of Total	28.6%	28.6%
Sisitungkai	Kiri	Count	10	10
		% within Sisitungkai	100.0%	100.0%
		% within ROM.pre	71.4%	71.4%
		% of Total	71.4%	71.4%
Total		Count	14	14
		% within Sisitungkai	100.0%	100.0%
		% within ROM.pre	100.0%	100.0%
		% of Total	100.0%	100.0%

Sisitungkai * ROM.post1 Crosstabulation

			ROM.post1			Total	
			meneta p	meningkat sedikit	meningkat sedang	meningkat banyak	
Sisitungkai	kanan	Count	2	1	1	0	4
		% within Sisitungkai	50.0%	25.0%	25.0%	0.0%	100.0%
		% within ROM.post1	33.3%	50.0%	20.0%	0.0%	28.6%
		% of Total	14.3%	7.1%	7.1%	0.0%	28.6%

Kiri	Count	4	1	4	1	10
	% within Sisitungkai	40.0%	10.0%	40.0%	10.0%	100.0%
	% within ROM.post1	66.7%	50.0%	80.0%	100.0%	71.4%
	% of Total	28.6%	7.1%	28.6%	7.1%	71.4%
Total	Count	6	2	5	1	14
	% within Sisitungkai	42.9%	14.3%	35.7%	7.1%	100.0%
	% within ROM.post1	100.0%	100.0%	100.0%	100.0%	100.0%
	% of Total	42.9%	14.3%	35.7%	7.1%	100.0%

Sisitungkai * ROM.post2 Crosstabulation

		ROM.post2				Total	
		meneta p	meningkat sedikit	meningkat sedang	meningkat banyak		
Sisitungkai	kanan	Count	2	1	1	0	4
		% within Sisitungkai	50.0%	25.0%	25.0%	0.0%	100.0%
		% within ROM.post2	40.0%	50.0%	16.7%	0.0%	28.6%
		% of Total	14.3%	7.1%	7.1%	0.0%	28.6%
	Kiri	Count	3	1	5	1	10
		% within Sisitungkai	30.0%	10.0%	50.0%	10.0%	100.0%
		% within ROM.post2	60.0%	50.0%	83.3%	100.0%	71.4%
		% of Total	21.4%	7.1%	35.7%	7.1%	71.4%
Total	Count	5	2	6	1	14	
	% within Sisitungkai	35.7%	14.3%	42.9%	7.1%	100.0%	
	% within ROM.post2	100.0%	100.0%	100.0%	100.0%	100.0%	
	% of Total	35.7%	14.3%	42.9%	7.1%	100.0%	

Sisitungkai * ROM.post3 Crosstabulation

		ROM.post3				Total	
		meneta p	meningkat sedikit	meningkat sedang	meningkat banyak		
Sisitungka i	kanan	Count	2	1	0	1	4
		% within Sisitungkai	50.0%	25.0%	0.0%	25.0%	100.0%
		% within ROM.post3	40.0%	100.0%	0.0%	25.0%	28.6%
		% of Total	14.3%	7.1%	0.0%	7.1%	28.6%
	Kiri	Count	3	0	4	3	10
		% within Sisitungkai	30.0%	0.0%	40.0%	30.0%	100.0%
		% within ROM.post3	60.0%	0.0%	100.0%	75.0%	71.4%
		% of Total	21.4%	0.0%	28.6%	21.4%	71.4%
	Total	Count	5	1	4	4	14
		% within Sisitungkai	35.7%	7.1%	28.6%	28.6%	100.0%
		% within ROM.post3	100.0%	100.0%	100.0%	100.0%	100.0%
		% of Total	35.7%	7.1%	28.6%	28.6%	100.0%

Distribusi MMT Berdasarkan Karakteritik Usia

Usia * MMT.pre Crosstabulation

		MMT.pre			Total	
		lemah	cukup	baik		
Usia	elderly	Count	1	4	9	14
		Expected Count	1.0	4.0	9.0	14.0
		% within Usia	7.1%	28.6%	64.3%	100.0%
		% within MMT.pre	100.0%	100.0%	100.0%	100.0%
		% of Total	7.1%	28.6%	64.3%	100.0%
Total		Count	1	4	9	14
		Expected Count	1.0	4.0	9.0	14.0
		% within Usia	7.1%	28.6%	64.3%	100.0%
		% within MMT.pre	100.0%	100.0%	100.0%	100.0%
		% of Total	7.1%	28.6%	64.3%	100.0%

Usia * MMT.post1 Crosstabulation

Usia	elderly		MMT.post1			Total
			lemah	cukup	baik	
		Count	1	4	9	14
		Expected Count	1.0	4.0	9.0	14.0
		% within Usia	7.1%	28.6%	64.3%	100.0%
		% within MMT.post1	100.0%	100.0%	100.0%	100.0%
		% of Total	7.1%	28.6%	64.3%	100.0%
Total		Count	1	4	9	14
		Expected Count	1.0	4.0	9.0	14.0
		% within Usia	7.1%	28.6%	64.3%	100.0%
		% within MMT.post1	100.0%	100.0%	100.0%	100.0%
		% of Total	7.1%	28.6%	64.3%	100.0%

Usia * MMT.post2 Crosstabulation

Usia	elderly		MMT.post2			Total
			cukup	baik	normal	
		Count	1	5	8	14
		Expected Count	1.0	5.0	8.0	14.0
		% within Usia	7.1%	35.7%	57.1%	100.0%
		% within MMT.post2	100.0%	100.0%	100.0%	100.0%
		% of Total	7.1%	35.7%	57.1%	100.0%
Total		Count	1	5	8	14
		Expected Count	1.0	5.0	8.0	14.0
		% within Usia	7.1%	35.7%	57.1%	100.0%
		% within MMT.post2	100.0%	100.0%	100.0%	100.0%
		% of Total	7.1%	35.7%	57.1%	100.0%

Usia * MMT.post3 Crosstabulation

Usia	elderly		MMT.post3			Total
			cukup lemah	baik	normal	
		Count	1	2	11	14
		Expected Count	1.0	2.0	11.0	14.0
		% within Usia	7.1%	14.3%	78.6%	100.0%
		% within MMT.post3	100.0%	100.0%	100.0%	100.0%
		% of Total	7.1%	14.3%	78.6%	100.0%
Total		Count	1	2	11	14
		Expected Count	1.0	2.0	11.0	14.0
		% within Usia	7.1%	14.3%	78.6%	100.0%
		% within MMT.post3	100.0%	100.0%	100.0%	100.0%
		% of Total	7.1%	14.3%	78.6%	100.0%

Distribusi MMT Berdasarkan Karakteristik Jenis kelamin

JK * MMT.pre Crosstabulation

		MMT.pre			Total	
		lemah	cukup	baik		
JK	Laki- Laki	Count	0	1	5	6
		Expected Count	.4	1.7	3.9	6.0
		% within JK	0.0%	16.7%	83.3%	100.0%
		% within MMT.pre	0.0%	25.0%	55.6%	42.9%
		% of Total	0.0%	7.1%	35.7%	42.9%
	Perempuan	Count	1	3	4	8
		Expected Count	.6	2.3	5.1	8.0
		% within JK	12.5%	37.5%	50.0%	100.0%
		% within MMT.pre	100.0%	75.0%	44.4%	57.1%
		% of Total	7.1%	21.4%	28.6%	57.1%
Total	Count	1	4	9	14	
	Expected Count	1.0	4.0	9.0	14.0	
	% within JK	7.1%	28.6%	64.3%	100.0%	
	% within MMT.pre	100.0%	100.0%	100.0%	100.0%	
	% of Total	7.1%	28.6%	64.3%	100.0%	

JK * MMT.post1 Crosstabulation

		MMT.post1			Total	
		lemah	cukup	baik		
JK	Laki- Laki	Count	0	1	5	6
		Expected Count	.4	1.7	3.9	6.0
		% within JK	0.0%	16.7%	83.3%	100.0%
		% within MMT.post1	0.0%	25.0%	55.6%	42.9%
		% of Total	0.0%	7.1%	35.7%	42.9%
	Perempuan	Count	1	3	4	8
		Expected Count	.6	2.3	5.1	8.0
		% within JK	12.5%	37.5%	50.0%	100.0%
		% within MMT.post1	100.0%	75.0%	44.4%	57.1%
		% of Total	7.1%	21.4%	28.6%	57.1%
Total	Count	1	4	9	14	
	Expected Count	1.0	4.0	9.0	14.0	
	% within JK	7.1%	28.6%	64.3%	100.0%	
	% within MMT.post1	100.0%	100.0%	100.0%	100.0%	
	% of Total	7.1%	28.6%	64.3%	100.0%	

VAS.post2**JK * MMT.post2 Crosstabulation**

		MMT.post2			Total	
		cukup	baik	normal		
JK	Laki- Laki	Count	0	1	5	6

Perempuan	Expected Count	.4	2.1	3.4	6.0
	% within JK	0.0%	16.7%	83.3%	100.0%
	% within MMT.post2	0.0%	20.0%	62.5%	42.9%
	% of Total	0.0%	7.1%	35.7%	42.9%
	Count	1	4	3	8
	Expected Count	.6	2.9	4.6	8.0
	% within JK	12.5%	50.0%	37.5%	100.0%
	% within MMT.post2	100.0%	80.0%	37.5%	57.1%
Total	% of Total	7.1%	28.6%	21.4%	57.1%
	Count	1	5	8	14
	Expected Count	1.0	5.0	8.0	14.0
	% within JK	7.1%	35.7%	57.1%	100.0%
	% within MMT.post2	100.0%	100.0%	100.0%	100.0%
% of Total	7.1%	35.7%	57.1%	100.0%	

JK * MMT.post3 Crosstabulation

		MMT.post3			Total	
		cukup lemah	baik	normal		
JK	Laki- Laki	Count	0	1	5	6
		Expected Count	.4	.9	4.7	6.0
		% within JK	0.0%	16.7%	83.3%	100.0%
		% within MMT.post3	0.0%	50.0%	45.5%	42.9%
	% of Total	0.0%	7.1%	35.7%	42.9%	
	Perempuan	Count	1	1	6	8
		Expected Count	.6	1.1	6.3	8.0
		% within JK	12.5%	12.5%	75.0%	100.0%
% within MMT.post3		100.0%	50.0%	54.5%	57.1%	
% of Total	7.1%	7.1%	42.9%	57.1%		
Total	Count	1	2	11	14	
	Expected Count	1.0	2.0	11.0	14.0	
	% within JK	7.1%	14.3%	78.6%	100.0%	
	% within MMT.post3	100.0%	100.0%	100.0%	100.0%	
	% of Total	7.1%	14.3%	78.6%	100.0%	

Distribusi MMT Berdasarkan Karakteritik Pekerjaan

Pekerjaan * MMT.pre Crosstabulation

		MMT.pre			Total	
		lemah	cukup	baik		
Pekerjaan	IRT	Count	1	3	4	8
		Expected Count	.6	2.3	5.1	8.0
		% within Pekerjaan	12.5%	37.5%	50.0%	100.0%
		% within MMT.pre	100.0%	75.0%	44.4%	57.1%

	% of Total	7.1%	21.4%	28.6%	57.1%
Pensiunan	Count	0	1	5	6
	Expected Count	.4	1.7	3.9	6.0
	% within Pekerjaan	0.0%	16.7%	83.3%	100.0%
	% within MMT.pre	0.0%	25.0%	55.6%	42.9%
	% of Total	0.0%	7.1%	35.7%	42.9%
Total	Count	1	4	9	14
	Expected Count	1.0	4.0	9.0	14.0
	% within Pekerjaan	7.1%	28.6%	64.3%	100.0%
	% within MMT.pre	100.0%	100.0%	100.0%	100.0%
	% of Total	7.1%	28.6%	64.3%	100.0%

Pekerjaan * MMT.post1 Crosstabulation

		MMT.post1			Total	
		lemah	cukup	baik		
Pekerjaan	IRT	Count	1	3	4	8
		Expected Count	.6	2.3	5.1	8.0
		% within Pekerjaan	12.5%	37.5%	50.0%	100.0%
		% within MMT.post1	100.0%	75.0%	44.4%	57.1%
		% of Total	7.1%	21.4%	28.6%	57.1%
Pensiunan		Count	0	1	5	6
		Expected Count	.4	1.7	3.9	6.0
		% within Pekerjaan	0.0%	16.7%	83.3%	100.0%
		% within MMT.post1	0.0%	25.0%	55.6%	42.9%
		% of Total	0.0%	7.1%	35.7%	42.9%
Total		Count	1	4	9	14
		Expected Count	1.0	4.0	9.0	14.0
		% within Pekerjaan	7.1%	28.6%	64.3%	100.0%
		% within MMT.post1	100.0%	100.0%	100.0%	100.0%
		% of Total	7.1%	28.6%	64.3%	100.0%

Pekerjaan * MMT.post2 Crosstabulation

		MMT.post2			Total	
		cukup	baik	normal		
Pekerjaan	IRT	Count	1	4	3	8
		Expected Count	.6	2.9	4.6	8.0
		% within Pekerjaan	12.5%	50.0%	37.5%	100.0%
		% within MMT.post2	100.0%	80.0%	37.5%	57.1%
		% of Total	7.1%	28.6%	21.4%	57.1%
Pensiunan		Count	0	1	5	6
		Expected Count	.4	2.1	3.4	6.0
		% within Pekerjaan	0.0%	16.7%	83.3%	100.0%

	% within MMT.post2	0.0%	20.0%	62.5%	42.9%
	% of Total	0.0%	7.1%	35.7%	42.9%
Total	Count	1	5	8	14
	Expected Count	1.0	5.0	8.0	14.0
	% within Pekerjaan	7.1%	35.7%	57.1%	100.0%
	% within MMT.post2	100.0%	100.0%	100.0%	100.0%
	% of Total	7.1%	35.7%	57.1%	100.0%

Pekerjaan * MMT.post3 Crosstabulation

		MMT.post3			Total	
		cukup lemah	baik	normal		
Pekerjaan	IRT	Count	1	1	6	8
		Expected Count	.6	1.1	6.3	8.0
		% within Pekerjaan	12.5%	12.5%	75.0%	100.0%
		% within MMT.post3	100.0%	50.0%	54.5%	57.1%
		% of Total	7.1%	7.1%	42.9%	57.1%
	Pensiunan	Count	0	1	5	6
		Expected Count	.4	.9	4.7	6.0
		% within Pekerjaan	0.0%	16.7%	83.3%	100.0%
		% within MMT.post3	0.0%	50.0%	45.5%	42.9%
		% of Total	0.0%	7.1%	35.7%	42.9%
Total	Count	1	2	11	14	
	Expected Count	1.0	2.0	11.0	14.0	
	% within Pekerjaan	7.1%	14.3%	78.6%	100.0%	
	% within MMT.post3	100.0%	100.0%	100.0%	100.0%	
	% of Total	7.1%	14.3%	78.6%	100.0%	

Distribusi MMT Berdasarkan Karakteristik Sisi Tungkai

Sisitungkai * MMT.pre Crosstabulation

		MMT.pre			Total	
		lemah	cukup	baik		
Sisitungkai	kanan	Count	1	1	2	4
		Expected Count	.3	1.1	2.6	4.0
		% within Sisitungkai	25.0%	25.0%	50.0%	100.0%
		% within MMT.pre	100.0%	25.0%	22.2%	28.6%
		% of Total	7.1%	7.1%	14.3%	28.6%
	Kiri	Count	0	3	7	10
		Expected Count	.7	2.9	6.4	10.0
		% within Sisitungkai	0.0%	30.0%	70.0%	100.0%
		% within MMT.pre	0.0%	75.0%	77.8%	71.4%
		% of Total	0.0%	21.4%	50.0%	71.4%
Total	Count	1	4	9	14	

Expected Count	1.0	4.0	9.0	14.0
% within Sisitungkai	7.1%	28.6%	64.3%	100.0%
% within MMT.pre	100.0%	100.0%	100.0%	100.0%
% of Total	7.1%	28.6%	64.3%	100.0%

Sisitungkai * MMT.post1 Crosstabulation

		MMT.post1				
		lemah	cukup	baik	Total	
Sisitungkai	kanan	Count	1	1	2	4
		Expected Count	.3	1.1	2.6	4.0
		% within Sisitungkai	25.0%	25.0%	50.0%	100.0%
		% within MMT.post1	100.0%	25.0%	22.2%	28.6%
		% of Total	7.1%	7.1%	14.3%	28.6%
	Kiri	Count	0	3	7	10
		Expected Count	.7	2.9	6.4	10.0
		% within Sisitungkai	0.0%	30.0%	70.0%	100.0%
		% within MMT.post1	0.0%	75.0%	77.8%	71.4%
		% of Total	0.0%	21.4%	50.0%	71.4%
Total	Count	1	4	9	14	
	Expected Count	1.0	4.0	9.0	14.0	
	% within Sisitungkai	7.1%	28.6%	64.3%	100.0%	
	% within MMT.post1	100.0%	100.0%	100.0%	100.0%	
	% of Total	7.1%	28.6%	64.3%	100.0%	

Sisitungkai * MMT.post2 Crosstabulation

		MMT.post2			Total	
		cukup	baik	normal	Total	
Sisitungkai	kanan	Count	1	2	1	4
		Expected Count	.3	1.4	2.3	4.0
		% within Sisitungkai	25.0%	50.0%	25.0%	100.0%
		% within MMT.post2	100.0%	40.0%	12.5%	28.6%
		% of Total	7.1%	14.3%	7.1%	28.6%
	Kiri	Count	0	3	7	10
		Expected Count	.7	3.6	5.7	10.0
		% within Sisitungkai	0.0%	30.0%	70.0%	100.0%
		% within MMT.post2	0.0%	60.0%	87.5%	71.4%
		% of Total	0.0%	21.4%	50.0%	71.4%
Total	Count	1	5	8	14	
	Expected Count	1.0	5.0	8.0	14.0	
	% within Sisitungkai	7.1%	35.7%	57.1%	100.0%	
	% within MMT.post2	100.0%	100.0%	100.0%	100.0%	
	% of Total	7.1%	35.7%	57.1%	100.0%	

Sisitungkai * MMT.post3 Crosstabulation

		MMT.post3			Total	
		cukup lemah	baik	normal		
Sisitungkai	kanan	Count	1	2	1	4
		Expected Count	.3	.6	3.1	4.0
		% within Sisitungkai	25.0%	50.0%	25.0%	100.0%
		% within MMT.post3	100.0%	100.0%	9.1%	28.6%
		% of Total	7.1%	14.3%	7.1%	28.6%
	Kiri	Count	0	0	10	10
		Expected Count	.7	1.4	7.9	10.0
		% within Sisitungkai	0.0%	0.0%	100.0%	100.0%
		% within MMT.post3	0.0%	0.0%	90.9%	71.4%
		% of Total	0.0%	0.0%	71.4%	71.4%
Total	Count	1	2	11	14	
	Expected Count	1.0	2.0	11.0	14.0	
	% within Sisitungkai	7.1%	14.3%	78.6%	100.0%	
	% within MMT.post3	100.0%	100.0%	100.0%	100.0%	
	% of Total	7.1%	14.3%	78.6%	100.0%	

Distribusi Fungsional Lutut Berdasarkan Karakteristik Usia

usia * WOMAC.pre Crosstabulation

		WOMAC.pre			Total	
		Sedang	Berat	Sangat berat		
usia	elderly	Count	1	12	1	14
		Expected Count	1.0	12.0	1.0	14.0
		% within usia	7.1%	85.7%	7.1%	100.0%
		% within WOMAC.pre	100.0%	100.0%	100.0%	100.0%
		% of Total	7.1%	85.7%	7.1%	100.0%
Total	Count	1	12	1	14	
	Expected Count	1.0	12.0	1.0	14.0	
	% within usia	7.1%	85.7%	7.1%	100.0%	
	% within WOMAC.pre	100.0%	100.0%	100.0%	100.0%	
	% of Total	7.1%	85.7%	7.1%	100.0%	

VAS.post2

usia * WOMAC.post1 Crosstabulation

		WOMAC.post1		Total	
		sedang	berat		
usia	elderly	Count	2	12	14

	Expected Count	2.0	12.0	14.0
	% within usia	14.3%	85.7%	100.0%
	% within WOMAC.post1	100.0%	100.0%	100.0%
	% of Total	14.3%	85.7%	100.0%
Total	Count	2	12	14
	Expected Count	2.0	12.0	14.0
	% within usia	14.3%	85.7%	100.0%
	% within WOMAC.post1	100.0%	100.0%	100.0%
	% of Total	14.3%	85.7%	100.0%

usia * WOMAC.post2 Crosstabulation

		WOMAC.post2		Total	
		sedang	berat		
usia	elderly	Count	8	6	14
		Expected Count	8.0	6.0	14.0
		% within usia	57.1%	42.9%	100.0%
		% within WOMAC.post2	100.0%	100.0%	100.0%
		% of Total	57.1%	42.9%	100.0%
Total		Count	8	6	14
		Expected Count	8.0	6.0	14.0
		% within usia	57.1%	42.9%	100.0%
		% within WOMAC.post2	100.0%	100.0%	100.0%
		% of Total	57.1%	42.9%	100.0%

usia * WOMAC.post3 Crosstabulation

		WOMAC.post3			Total	
		ringan	sedang	berat		
usia	elderly	Count	1	12	1	14
		Expected Count	1.0	12.0	1.0	14.0
		% within usia	7.1%	85.7%	7.1%	100.0%
		% within WOMAC.post3	100.0%	100.0%	100.0%	100.0%
		% of Total	7.1%	85.7%	7.1%	100.0%
Total		Count	1	12	1	14
		Expected Count	1.0	12.0	1.0	14.0
		% within usia	7.1%	85.7%	7.1%	100.0%
		% within WOMAC.post3	100.0%	100.0%	100.0%	100.0%
		% of Total	7.1%	85.7%	7.1%	100.0%

Distribusi Fungsional Lutut Berdasarkan Karakteristik Jenis kelamin

JK * WOMAC.pre Crosstabulation

			WOMAC.pre			
			Sedang	Berat	Sangat berat	Total
JK	Laki- Laki	Count	0	5	1	6
		Expected Count	.4	5.1	.4	6.0
		% within JK	0.0%	83.3%	16.7%	100.0%
		% within WOMAC.pre	0.0%	41.7%	100.0%	42.9%
		% of Total	0.0%	35.7%	7.1%	42.9%
	Perempuan	Count	1	7	0	8
		Expected Count	.6	6.9	.6	8.0
		% within JK	12.5%	87.5%	0.0%	100.0%
		% within WOMAC.pre	100.0%	58.3%	0.0%	57.1%
		% of Total	7.1%	50.0%	0.0%	57.1%
Total	Count	1	12	1	14	
	Expected Count	1.0	12.0	1.0	14.0	
	% within JK	7.1%	85.7%	7.1%	100.0%	
	% within WOMAC.pre	100.0%	100.0%	100.0%	100.0%	
	% of Total	7.1%	85.7%	7.1%	100.0%	

JK * WOMAC.post1 Crosstabulation

			WOMAC.post1		Total
			sedang	berat	
JK	Laki- Laki	Count	0	6	6
		Expected Count	.9	5.1	6.0
		% within JK	0.0%	100.0%	100.0%
		% within WOMAC.post1	0.0%	50.0%	42.9%
		% of Total	0.0%	42.9%	42.9%
	Perempuan	Count	2	6	8
		Expected Count	1.1	6.9	8.0
		% within JK	25.0%	75.0%	100.0%
		% within WOMAC.post1	100.0%	50.0%	57.1%
		% of Total	14.3%	42.9%	57.1%
Total	Count	2	12	14	
	Expected Count	2.0	12.0	14.0	
	% within JK	14.3%	85.7%	100.0%	
	% within WOMAC.post1	100.0%	100.0%	100.0%	
	% of Total	14.3%	85.7%	100.0%	

JK * WOMAC.post2 Crosstabulation

WOMAC.post2 | Total

			sedang	berat	
JK	Laki- Laki	Count	3	3	6
		Expected Count	3.4	2.6	6.0
		% within JK	50.0%	50.0%	100.0%
		% within WOMAC.post2	37.5%	50.0%	42.9%
		% of Total	21.4%	21.4%	42.9%
	Perempuan	Count	5	3	8
		Expected Count	4.6	3.4	8.0
		% within JK	62.5%	37.5%	100.0%
		% within WOMAC.post2	62.5%	50.0%	57.1%
		% of Total	35.7%	21.4%	57.1%
Total	Count	8	6	14	
	Expected Count	8.0	6.0	14.0	
	% within JK	57.1%	42.9%	100.0%	
	% within WOMAC.post2	100.0%	100.0%	100.0%	
	% of Total	57.1%	42.9%	100.0%	

JK * WOMAC.post3 Crosstabulation

			WOMAC.post3			Total
			ringan	sedang	berat	
JK	Laki- Laki	Count	0	6	0	6
		Expected Count	.4	5.1	.4	6.0
		% within JK	0.0%	100.0%	0.0%	100.0%
		% within WOMAC.post3	0.0%	50.0%	0.0%	42.9%
		% of Total	0.0%	42.9%	0.0%	42.9%
	Perempuan	Count	1	6	1	8
		Expected Count	.6	6.9	.6	8.0
		% within JK	12.5%	75.0%	12.5%	100.0%
		% within WOMAC.post3	100.0%	50.0%	100.0%	57.1%
		% of Total	7.1%	42.9%	7.1%	57.1%
Total	Count	1	12	1	14	
	Expected Count	1.0	12.0	1.0	14.0	
	% within JK	7.1%	85.7%	7.1%	100.0%	
	% within WOMAC.post3	100.0%	100.0%	100.0%	100.0%	
	% of Total	7.1%	85.7%	7.1%	100.0%	

Distribusi Fungsional Lutut Berdasarkan Karakteristik Pekerjaan

pekerjaan * WOMAC.pre Crosstabulation

		WOMAC.pre			Total	
		Sedang	Berat	Sangat berat		
pekerjaan	Pensiunan	Count	0	5	1	6
		Expected Count	.4	5.1	.4	6.0
		% within pekerjaan	0.0%	83.3%	16.7%	100.0%
		% within WOMAC.pre	0.0%	41.7%	100.0%	42.9%
		% of Total	0.0%	35.7%	7.1%	42.9%
	IRT	Count	1	7	0	8
		Expected Count	.6	6.9	.6	8.0
		% within pekerjaan	12.5%	87.5%	0.0%	100.0%
		% within WOMAC.pre	100.0%	58.3%	0.0%	57.1%
		% of Total	7.1%	50.0%	0.0%	57.1%
Total	Count	1	12	1	14	
	Expected Count	1.0	12.0	1.0	14.0	
	% within pekerjaan	7.1%	85.7%	7.1%	100.0%	
	% within WOMAC.pre	100.0%	100.0%	100.0%	100.0%	
	% of Total	7.1%	85.7%	7.1%	100.0%	

pekerjaan * WOMAC.post1 Crosstabulation

		WOMAC.post1		Total	
		sedang	berat		
pekerjaan	Pensiunan	Count	0	6	6
		Expected Count	.9	5.1	6.0
		% within pekerjaan	0.0%	100.0%	100.0%
		% within WOMAC.post1	0.0%	50.0%	42.9%
		% of Total	0.0%	42.9%	42.9%
	IRT	Count	2	6	8
		Expected Count	1.1	6.9	8.0
		% within pekerjaan	25.0%	75.0%	100.0%
		% within WOMAC.post1	100.0%	50.0%	57.1%
		% of Total	14.3%	42.9%	57.1%
Total	Count	2	12	14	
	Expected Count	2.0	12.0	14.0	
	% within pekerjaan	14.3%	85.7%	100.0%	
	% within WOMAC.post1	100.0%	100.0%	100.0%	
	% of Total	14.3%	85.7%	100.0%	

VAS.post2

pekerjaan * WOMAC.post2 Crosstabulation

		WOMAC.post2		Total	
		sedang	berat		
pekerjaan	Pensiunan	Count	3	3	6

IRT	Expected Count	3.4	2.6	6.0
	% within pekerjaan	50.0%	50.0%	100.0%
	% within WOMAC.post2	37.5%	50.0%	42.9%
	% of Total	21.4%	21.4%	42.9%
	Count	5	3	8
	Expected Count	4.6	3.4	8.0
	% within pekerjaan	62.5%	37.5%	100.0%
	% within WOMAC.post2	62.5%	50.0%	57.1%
Total	% of Total	35.7%	21.4%	57.1%
	Count	8	6	14
	Expected Count	8.0	6.0	14.0
	% within pekerjaan	57.1%	42.9%	100.0%
	% within WOMAC.post2	100.0%	100.0%	100.0%
	% of Total	57.1%	42.9%	100.0%

pekerjaan * WOMAC.post3 Crosstabulation

		WOMAC.post3			Total	
		ringan	sedang	berat		
pekerjaan	Pensiunan	Count	0	6	0	6
		Expected Count	.4	5.1	.4	6.0
		% within pekerjaan	0.0%	100.0%	0.0%	100.0%
		% within WOMAC.post3	0.0%	50.0%	0.0%	42.9%
		% of Total	0.0%	42.9%	0.0%	42.9%
IRT		Count	1	6	1	8
		Expected Count	.6	6.9	.6	8.0
		% within pekerjaan	12.5%	75.0%	12.5%	100.0%
		% within WOMAC.post3	100.0%	50.0%	100.0%	57.1%
		% of Total	7.1%	42.9%	7.1%	57.1%
Total		Count	1	12	1	14
		Expected Count	1.0	12.0	1.0	14.0
		% within pekerjaan	7.1%	85.7%	7.1%	100.0%
		% within WOMAC.post3	100.0%	100.0%	100.0%	100.0%
		% of Total	7.1%	85.7%	7.1%	100.0%

Distribusi Fungsional Lutut Berdasarkan Sisi Tungkai

sisitungkai * WOMAC.pre Crosstabulation

		WOMAC.pre			Total	
		Sedang	Berat	Sangat berat		
sisitungkai	kanan	Count	0	4	0	4
		Expected Count	.3	3.4	.3	4.0
		% within sisitungkai	0.0%	100.0%	0.0%	100.0%

	% within WOMAC.pre	0.0%	33.3%	0.0%	28.6%
	% of Total	0.0%	28.6%	0.0%	28.6%
kiri	Count	1	8	1	10
	Expected Count	.7	8.6	.7	10.0
	% within sisitungkai	10.0%	80.0%	10.0%	100.0%
	% within WOMAC.pre	100.0%	66.7%	100.0%	71.4%
	% of Total	7.1%	57.1%	7.1%	71.4%
Total	Count	1	12	1	14
	Expected Count	1.0	12.0	1.0	14.0
	% within sisitungkai	7.1%	85.7%	7.1%	100.0%
	% within WOMAC.pre	100.0%	100.0%	100.0%	100.0%
	% of Total	7.1%	85.7%	7.1%	100.0%

sisitungkai * WOMAC.post1 Crosstabulation

		WOMAC.post1		Total	
		sedang	berat		
sisitungkai	kanan	Count	1	3	4
		Expected Count	.6	3.4	4.0
		% within sisitungkai	25.0%	75.0%	100.0%
		% within WOMAC.post1	50.0%	25.0%	28.6%
		% of Total	7.1%	21.4%	28.6%
kiri		Count	1	9	10
		Expected Count	1.4	8.6	10.0
		% within sisitungkai	10.0%	90.0%	100.0%
		% within WOMAC.post1	50.0%	75.0%	71.4%
		% of Total	7.1%	64.3%	71.4%
Total		Count	2	12	14
		Expected Count	2.0	12.0	14.0
		% within sisitungkai	14.3%	85.7%	100.0%
		% within WOMAC.post1	100.0%	100.0%	100.0%
		% of Total	14.3%	85.7%	100.0%

sisitungkai * WOMAC.post2 Crosstabulation

		WOMAC.post2		Total	
		sedang	berat		
sisitungkai	kanan	Count	2	2	4
		Expected Count	2.3	1.7	4.0
		% within sisitungkai	50.0%	50.0%	100.0%
		% within WOMAC.post2	25.0%	33.3%	28.6%
		% of Total	14.3%	14.3%	28.6%
kiri		Count	6	4	10

	Expected Count	5.7	4.3	10.0
	% within sisitungkai	60.0%	40.0%	100.0%
	% within WOMAC.post2	75.0%	66.7%	71.4%
	% of Total	42.9%	28.6%	71.4%
Total	Count	8	6	14
	Expected Count	8.0	6.0	14.0
	% within sisitungkai	57.1%	42.9%	100.0%
	% within WOMAC.post2	100.0%	100.0%	100.0%
	% of Total	57.1%	42.9%	100.0%

sisitungkai * WOMAC.post3 Crosstabulation

		WOMAC.post3			Total	
		ringan	sedang	berat		
sisitungkai	kanan	Count	0	3	1	4
		Expected Count	.3	3.4	.3	4.0
		% within sisitungkai	0.0%	75.0%	25.0%	100.0%
		% within WOMAC.post3	0.0%	25.0%	100.0%	28.6%
		% of Total	0.0%	21.4%	7.1%	28.6%
	kiri	Count	1	9	0	10
		Expected Count	.7	8.6	.7	10.0
		% within sisitungkai	10.0%	90.0%	0.0%	100.0%
		% within WOMAC.post3	100.0%	75.0%	0.0%	71.4%
		% of Total	7.1%	64.3%	0.0%	71.4%
Total	Count	1	12	1	14	
	Expected Count	1.0	12.0	1.0	14.0	
	% within sisitungkai	7.1%	85.7%	7.1%	100.0%	
	% within WOMAC.post3	100.0%	100.0%	100.0%	100.0%	
	% of Total	7.1%	85.7%	7.1%	100.0%	

Hasil Uji *Normalitas Nyeri (VAS)*

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
VAS.pre	.478	14	.000	.516	14	.000
VAS.post1	.357	14	.000	.735	14	.001
VAS.post2	.369	14	.000	.639	14	.000
VAS.post3	.443	14	.000	.576	14	.000

Hasil Uji *Friedman Nyeri (VAS)*

| Std. Deviation |

Test Statistics^a

N	14
Chi-Square	35.757
df	3
Asymp. Sig.	.000

a. Friedman Test

VAS.post1	.555
VAS.post2	.514
VAS.pre	.426
VAS.post3	.469

Ranks

	Mean Rank
VAS.pre	3.89
VAS.post1	2.75
VAS.post2	1.79
VAS.post3	1.57

Hasil Analisis Post Hoc Wilcoxon Nyeri (VAS)

Test Statistics^a

	VAS.post1 - VAS.pre	VAS.post2 - VAS.post1	VAS.post3 - VAS.post2	VAS.post3 - VAS.pre
Z	-3.317 ^b	-2.828 ^b	-1.414 ^b	-3.391 ^b
Asymp. Sig. (2-tailed)	.001	.005	.157	.001

Hasil Uji Normalitas ROM

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
ROM.pre	.	14	.	.	14	.
ROM.post1	.270	14	.007	.814	14	.007
ROM.post2	.273	14	.006	.822	14	.010
ROM.post3	.235	14	.034	.809	14	.006

Hasil Uji Friedman ROM

Ranks

	Mean Rank
ROM.pre	1.57
ROM.post1	2.61
ROM.post2	2.71
ROM.post3	3.11

Std. Deviation

ROM.pre	.000
ROM.post1	1.072
ROM.post2	1.051
ROM.post3	1.286

Test Statistics^a

N	14
Chi-Square	22.955
df	3
Asymp. Sig.	.000

a. Friedman Test

VAS.post2

Hasil Analisis Post Hoc Wilcoxon ROM**Test Statistics^a**

	ROM.post1 - ROM.pre	ROM.post2 - ROM.post1	ROM.post3 - ROM.post2	ROM.post3 - ROM.pre
Z	-2.588 ^b	-1.000 ^b	-2.000 ^b	-2.714 ^b
Asymp. Sig. (2-tailed)	.010	.317	.046	.007

Hasil Uji Normalitas MMT**Tests of Normality**

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
MMT.pre	.389	14	.000	.688	14	.000
MMT.post1	.389	14	.000	.688	14	.000
MMT.post2	.350	14	.000	.731	14	.001
MMT.post3	.466	14	.000	.545	14	.000

Hasil Uji Friedman MMT

Ranks			Std. Deviation	Test Statistics ^a	
	Mean Rank			N	
MMT.pre	1.61	MMT.pre	.646	14	
MMT.post1	1.61	MMT.post1	.646	Chi-Square	36.519
MMT.post2	3.25	MMT.post2	.650	df	3
MMT.post3	3.54	MMT.post3	.611	Asymp. Sig.	.000

Hasil Analisis Post Hoc Wilcoxon MMT**Test Statistics^a**

	MMT.post1 - MMT.pre	MMT.post2 - MMT.post1	MMT.post3 - MMT.post2	MMT.post3 - MMT.pre
Z	.000 ^b	-3.357 ^c	-1.732 ^c	-3.358 ^c
Asymp. Sig. (2-tailed)	1.000	.001	.083	.001

VAS.post2

Hasil Normalitas Fungsional Lutut**Tests of Normality**

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
WOMAC.PRE	.429	14	.000	.551	14	.000
WOMAC.POST1	.510	14	.000	.428	14	.000
WOMACPOST2	.369	14	.000	.639	14	.000
WOMAC.POST3	.429	14	.000	.551	14	.000

Hasil Uji Friedman Fungsional Lutut

Ranks	Mean Rank	Std. Dev	Test Statistics ^a	
			N	
WOMAC.pre	4.00		Chi-Square	42.000
WOMAC.post1	3.00		df	3
WOMAC.post2	2.00		Asymp. Sig.	.000
WOMAC.post3	1.00		a. Friedman Test	

Hasil Analisis Post Hoc Wilcoxon MMT**Test Statistics^a**

	WOMAC.POS T1 - WOMAC.PRE	WOMACPOST 2 - WOMAC.POS T1	WOMAC.POS T3 - WOMACPOST 2	WOMAC.POS T3 - WOMAC.PRE
Z	-1.414 ^b	-2.449 ^b	-2.449 ^b	-3.500 ^b
Asymp. Sig. (2-tailed)	.157	.014	.014	.000

VAS.post2

Lampiran 7 Dokumentasi Kegiatan



Menjelaskan Tujuan , Pengisian kuesioner data Lansia, Pengisian *Informed Consent* dan Pengukuran Fungsional lutut dengan WOMAC



Pemberian *exercise Sit to stand* dan pengukuran pada nyeri, kekuatan otot, ROM dan juga fungsional lutut kepada Responden

Lampiran 8 Riwayat Hidup**CURRICULUM VITAE****A. Data Pribadi**

Nama : Nur Fauziah Rahim s
Tempat, Tanggal Lahir: Pare-pare, 28 mei 2002
Alamat : Griya antang jaya Blok D14
Kewarganegaraan: Warga Negara Indonesia

**B. Riwayat Pendidikan**

- a. Tamat SD tahun 2014 di SD Kasih Ibu Kota Timika
- b. Tamat SLTP tahun 2017 di SMPIT Permata Papua Kota Timika
- c. Tamat SLTA tahun 2020 di MAS Pesantren Pondok Madinah Makassar

C. Kegiatan Kemahasiswaan yang pernah diikuti

1. *Basic Learning Skill and Creativity (BALANCE)* Universitas Hasanuddin 2020
2. Latihan Dasar Kepemimpinan 1 Himafisio F.Kep-UH pada tahun 2021
3. Bakti Sosial Fisioterapi Himpunan Mahasiswa Fisioterapi Universitas Hasanuddin Tahun 2022
4. Bakti Sosial Fisioterapi Himpunan Mahasiswa Fisioterapi Universitas Hasanuddin Tahun 2023

Lampiran 9 Draft Artikel

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Pengaruh *Exercise Sit to Stand* Terhadap Fungsional Lutut Pada Lansia Penderita Osteoarthritis di Klinik Pada Idi Medical Centre Kota Makassar

The Effect of Sit to Stand Exercise on Knee Function in Elderly with Osteoarthritis at the Idi Medical Center Clinic in Makassar City

Nur Fauziah Rahim S¹, Ita Rini², Meutiah Muthmainnah³, Yonathan Ramba⁴

^{1,2,3,4} Universitas Hasanuddin
nurfzhrhm28@gmail.com¹

ABSTRAK

Proporsi penduduk yang berada di rentang usia 60 tahun ke atas secara global yaitu 1 miliar jiwa dan akan terus bertambah menjadi 1,4 miliar pada tahun 2030 dan 2,1 miliar pada tahun 2050 (WHO, 2022). Pada lansia pasti akan mengalami tahapan menua. Menua merupakan proses dari daya tahan tubuh individu yang menurun dalam menanggapi rangsang dari luar maupun dari dalam tubuh. Dalam proses penuaan yang terjadi pada lansia disertai dengan berbagai perubahan, salah satunya perubahan pada sistem anatomi muskuloskeletal. Perubahan terjadi secara progresif diantaranya pada komponen tulang, otot, tendon, saraf, tulang rawan, dan struktur pendukung jaringan lainnya. Salah satu jenis penyakit muskuloskeletal yang terjadi adalah *Osteoarthritis*. (Pranata, Fari, A.2020). *Osteoarthritis* menjadi salah satu faktor dalam penurunan kualitas hidup penderitanya dan berdampak pada keseharian serta perkembangan suatu negara. OA dapat disebabkan oleh berbagai faktor dan sering ditemui pada populasi lansia terutama usia diatas 65 tahun. Salah satu modalitas yaitu *Exercise Sit to stand* gerakan ini dapat memicu penurunan nyeri karena latihan tersebut membantu dalam meningkatkan kekuatan otot-otot yang mendukung sendi, seperti otot paha dan kaki. Dengan melakukan latihan ini secara teratur, otot-otot tersebut menjadi lebih kuat dan stabil, sehingga dapat membantu dalam mengurangi beban yang diterima oleh sendi yang terkena OA. **Tujuan.** Tujuan penelitian ini adalah untuk mengetahui pengaruh *Exercise Sit to Stand* terhadap fungsional lutut pada lansia penderita *osteoarthritis* di Klinik Pada Idi Medical Centre Kota Makassar. **Metode** Penelitian ini adalah penelitian *quasi eksperimental design* dengan jenis *Time series design* rancangan *pre test* dan *post test* Sampel dalam penelitian ini diperoleh dari jumlah populasi menggunakan teknik *purposive sampling* dengan *Rumus Slovin* dengan totalsampel 14 responden Parameter penelitian menggunakan instrument *Visual Analog Scale (VAS)*, *goniometer*, *MMT* dan instrumen *The Western and McMaster Universities Osteoarthritis Index (WOMAC)*. **Hasil.** Dari hasil uji korelasi menggunakan *Uji post Hoc Wilcoxon* dan *Uji Friedman* pada penelitian ini didapatkan hasil pengukuran dengan *p-value* sebesar 0.000 ($p < 0.05$), yang berarti terdapat perbedaan dari hasil *pre test* dan *post test*. **Kesimpulan.** Maka dapat disimpulkan terdapat pengaruh *Exercise Sit to Stand* terhadap fungsional lutut pada lansia penderita *osteoarthritis* di Klinik Pada Idi Medical Centre Kota Makassar.

Kata kunci: Nyeri, kekuatan Otot, Fungsional lutut ; *Exercise Sit to Stand*; *Osteoarthritis*; Lansia

ABSTRACT

The proportion of the population aged 60 years and over globally is 1 billion people and will continue to increase to 1.4 billion in 2030 and 2.1 billion in 2050 (WHO, 2022). The elderly will definitely experience stages of aging. Aging is a process of an individual's immune system decreasing in response to stimuli from outside and inside the body. The aging process that occurs in the elderly is accompanied by various changes, one of which is changes in the musculoskeletal anatomical system. Changes occur progressively, including in the components of bones, muscles, tendons, nerves, cartilage and other tissue supporting structures. One type of musculoskeletal disease that occurs is *Osteoarthritis*. (Pranata, Fari, A. 2020). *Osteoarthritis* is a factor in reducing the quality of life of sufferers and has an impact on daily life and the development of a country. OA can be caused by various factors and is often found in the elderly population, especially those aged over 65 years. One of the modalities is the *Sit to stand* exercise. This movement can reduce pain because this exercise helps increase the strength of the muscles that support the joints, such as the thigh and leg muscles. By doing this exercise regularly, these muscles become stronger and more stable, so they can help reduce the load received by the joints affected by OA. **Objective.** The aim of this study was to determine the effect of the *Sit to Stand* exercise on knee function in elderly people with *osteoarthritis* at the Clinic at Idi Medical Center, Makassar City. **Method** This research method is a quasi-experimental research design with a time series design type of pre-test and post-test design. The sample in this research was obtained from the total population using a purposive sampling technique with the *Slovin* formula with a total sample of 14 respondents. The research parameters used the *Visual Analog Scale (VAS)* instrument, *goniometer*, *MMT* and *The Western and McMaster Universities Osteoarthritis Index (WOMAC)* instruments. **Results.** From the results of the correlation test using the *Wilcoxon post hoc test* and the *Friedman test* in this study, measurement results were obtained with a *p-value* of 0.000 ($p < 0.05$), which means there is a difference in the pre-test and post-test results. **Conclusion.** So it can be concluded that there is an influence of the *Sit to Stand Exercise* on knee function in the elderly with *osteoarthritis* at the Clinic at Idi Medical Center, Makassar City.

Keywords: Pain, Muscle strength, Knee function, *Sit to Stand Exercise*, *Osteoarthritis*; Elderly.