DAFTAR PUSTAKA

W.M.Marcel. *Definitions of Quality of Life: What Has Happened and How to Move On*. Top Spinal Cord Inj Rehabil. 2014 Summer; 20(3): 167–180. Published online 2014 Aug 11

N.Keyur et all. *Does Open Reduction and Internal Fixation Provide a Quality-of-Life Benefit Over Traditional Closed Reduction of Mandibular Condyle Fractures?* J Oral Maxillofac Surg 78:2018-2026, 2020

Braun TL, Xue AS, Maricevich RS. Differences in the Management of Pediatric Facial Trauma. Semin Plast Surg. 2017;31(2):118-122. DOI: 10.1055/s-0037-1601380.

Al Shetawi AH, Lim CA, Singh YK, Portnov JE, Blumberg SM. Pediatric Maxillofacial Trauma :A review of 156 Patients. J Oral Maxillofac Surg. 2016;74(7): 1420. E1-4. DOI: 10.1016/j. joms.2016.03.001

Chrcanovic BR. Open versus closed reduction: comminuted mandibular fractures. Oral Maxillofac Surg. 2013;17(2):95-104. DOI: 10.1007/s10006-012-0349-2.

Vane S, Thenmozhi MS. Mandibular Fracture; An Analysis of vulnerable fracture point, types and management methods. J Pharm Sci Res. 2015;7(9):714–7

Hedge S, Praveen BN, Shetty SR. Morphological and Radiological Variations of Mandibular Condyles in Health and Diseases: A systematic review. Dentistry. 2013; 3(1):1-5.

Kaukola L, Snall J, Lindqvist C, et al: Health-related quality of life after surgical treatment of mandibular fracture. Oral Surg Oral Med Oral Pathol Oral Radiol 119:402, 2015

Bins A, Oomens MAE, Boffano P, Forouzanfar T. *Is there enough evidence to regularly apply bone screws for intermaxillary fixation in mandibular fractures?* J Oral Maxillofac Surg [Internet]. 2015;73(10):1963–9

Raymond F. Fonseca Oral and Maxillofacial surgery Vol 2. Fonseca Oral and Maxillofacial surgery Vol 2. 2018. 1–7

Patel PA, Mahajan A, Shah N, shah R, Ananth Kumar GB, Kumar Malhotra P. *Retrospective analysis on the outcome of open and closed reduction of mandibular condylar fractures at tertiary centre of Gujarat*. J Oral Biol Craniofacial Res [Internet]. 2020;10(3):294–8

Landes CA, Day K, Lipphardt R, Sader R: Closed versus open operative treatment of nondisplaced diacapitular (Class VI) fractures. J Oral Maxillofac Surg 66:1586, 2008

García-Guerrero I, Ramírez JM, Gómez de Diego R, Martínez-González JM, Poblador MS, Lancho JL. *Complications in the treatment of mandibular condylar fractures: Surgical versus conservative treatment*. Ann Anat [Internet]. 2018;216:60–8

Gupta M, Iyer N, Das D, Nagaraj J: Analysis of different treatment protocols for fractures of condylar process of mandible. J Oral Maxillofac Surg 70:83, 2012

Le_on M, Ulloa C, Nunez C, et al: Surgical and non-surgical treatment of mandibular condylar fracture: A comparison of results. Int JOralMaxillofacial Surg 40:1034, 2011

Landes CA, Day K, Lipphardt R, Sader R: Closed versus open operative treatment of nondisplaced diacapitular (Class VI) fractures. J Oral Maxillofac Surg 66:1586, 2008

International Health C. Constitution of theWorld Health Organization. 1946. Bull world Health Organ 80:983, 2002

Kommers SC, van den Bergh B, Forouzanfar T: Quality of life after open versus closed treatment for mandibular condyle fractures: A review of literature. J Craniomaxillofac Surg 41:e221, 2013

Schenkel JS, Jacobsen C, Rostetter C, Grätz KW, Rücker M, Gander T. *Inferior alveolar nerve function after open reduction and internal fixation of mandibular fractures*. J Cranio-Maxillofacial Surg. 2016;44(6):743–8.

Bock, J. J., Odemar, F. & Fuhrmann, R. A. W. Assessment of quality of life in patients undergoing orthognathic surgery. *J. Orofac. Orthop.* (2009) doi:10.1007/s00056-009-9903-4.

Murphy, C., Kearns, G., Sleeman, D., Cronin, M. & Allen, P. F. The clinical relevance of orthognathic surgery on quality of life. *Int. J. Oral Maxillofac. Surg.* (2011) doi:10.1016/j.ijom.2011.04.001.

Rozeboom AVJ, Dubois L, Bos RRM, et al: Open treatment of condylar fractures via extraoral approaches: A review of complications. J Craniomaxillofac Surg 46:1232, 2018

Al-Moraissi EA, Ellis E 3rd: Surgical treatment of adult mandibular condylar fractures provides better outcomes than closed treatment: A systematic review and meta-analysis. J Oral Maxillofac Surg 73:482, 2015

Kaukola L, Snall J, Lindqvist C, et al: Health-related quality of life after surgical treatment of mandibular fracture. Oral Surg Oral Med Oral Pathol Oral Radiol 119:402, 2015

Omeje KU, Rana M, Adebola AR, et al: Quality of life in treatment of mandibular fractures using closed reduction and maxillomandibular fixation in comparison with open reduction and internal fixation–a randomized prospective study. J Craniomaxillofac Surg 42:1821, 2014

De Riu G, Gamba U, Anghinoni M, Sesenna E: A comparison of open and closed treatment of condylar fractures: A change in philosophy. Int J Oral Maxillofac Surg 30:384, 2001

Elwyn G, Cochran N, Pignone M: Shared decision making-the importance of diagnosing preferences. JAMA Intern Med 177: 1239, 2017

Legare F, Turcotte S, Stacey D, et al: Patients' perceptions of sharing in decisions: A systematic review of interventions to enhance shared decision making in routine clinical practice. Patient 5:1, 2012

Lampiran 1. Lembar Kuisioner

Post-Operative Quality of Life Survey After Surgical Reduction of Unilateral Condylar Fractures

This is a study comparing post-operative outcomes of two groups of patients who underwent surgery for the same type of mandibular fracture with different surgical techniques. Your participation in the study is voluntary. All of yo data is anonymous and confidential.

What is your gender? Male Female

What was your age when you underwent surgery for your jaw fracture? _____

Rate you pain in the first 2 weeks after surgery. (Circle your answer.)

0	1	2	3	4	5	6	7	8	9	10
No Pain										Unbearable Pain

Rate your pain in the first 2 months after surgery. (Circle your answer.)

0	1	2	3	4	5	6	7	8	9	10
No Pain										Unbearable Pain

How long did you have pain when functioning (eg. opening and closing, speaking, eating)?

a. Up to 2 weeks
b. Up to 1 month
c. Up to 3 months
d. Up to 6 months
e. Never recovered

Did you experience headaches for an extended period of time (6 weeks+) after your jaw surgery?

a. Strongly agree
b. Agree
c. Disagree
d. Strongly Disagree

Compared to before your injury, your ability to chew is

a. Significantly worse
b. Worse
c. The same

Rate your ability to get an adequate amount to eat in the first 2 months after surgery. (Circle your answer.)

0	1	2	3	4	5	6	7	8	9	10
Easy to get enough										Unable to get enough to eat

Did your weight change after surgery?

a. Gained >10 pounds
b. Gained >5 pounds
c. Same
d. Lost > 5 pounds
e. Lost >10 pounds

Rate your ability to perform physical activities for the first 2 months after surgery. (Circle your answer.)

0	1	2	3	4	5	6	7	8	9	10
Easily able to Perform Physical Activity										Unable to Perform Physical Activity

Rate your ability to perform work-related activities for the first 2 months after surgery. (Circle your answer.)

0	1	2	3	4	5	6	7	8	9	10
Easily Able to Perform Work Activity										Unable to Perform Work Activity

Lampiran 2. Surat Rekomendasi Etik

KEMENTERIAN PENDIDIKAN, KEBUDAYAAN,
RISET, DAN TEKNOLOGI
UNIVERSITAS HASANUDDIN
FAKULTAS KEDOKTERAN GIGI
Jalan Perintis Kemerdekaan Km. 10, Makassar 90245
Telepon (0411) 586012, Faximile (0411) 584641
Laman www.unhas.ac.id Email fdhu@unhas.ac.id

Nomor : 01717/UN4.13/TP.02.02/2024 26 Maret 2024
Hal : **Permohonan Rekomendasi Etik**

Yth. **Direktur Rumah Sakit Gigi dan Mulut Pendidikan (RSGMP)**
Universitas Hasanuddin
Makassar

Dengan hormat kami sampaikan bahwa mahasiswa **Program Studi Pendidikan Dokter Gigi Spesialis (PPDGS) Bedah Mulut dan Maksilofasial** Fakultas Kedokteran Gigi Universitas Hasanuddin di bawah ini:

Nama / NIM : **Fiqar Achmadi / J045201006**
Pembimbing : 1. Abul Fauzi, drg., Sp.BM.M. Subsp. T.M.T.M.J (K).
2. Muhammad Gazali, drg., MARS., Sp.BM.M. Subsp T.M.T.M.J (K).
Judul Penelitian : Efektivitas Penanganan Fraktur Kondilus Mandibula terhadap Peningkatan Kualitas Hidup Pasien Rumah Sakit di Makassar

bermaksud melakukan penelitian di Rumah Sakit di Kota Makassar pada bulan Agustus 2018 s.d. September 2023.

Untuk maksud tersebut di atas, mohon kiranya yang bersangkutan dapat diberikan surat rekomendasi Etik dalam rangka pelaksanaan penelitiannya.

Demikian permohonan kami, atas perhatian dan kerjasama yang baik diucapkan terima kasih.

a.n. Dekan,
Wakil Dekan Bidang Akademik dan Kemahasiswaan

Acing Habibie Mude, drg., Ph.D., Sp.Pros., Subsp.OGST(K).
NIP 198102072008121002

Tembusan:
1. Dekan FKG Unhas;
2. Kepala Bagian Tata Usaha FKG Unhas.

Lampiran 3. Data Penelitian

N	Nama Pasien	Umur	Jenis Kelamin	Lokasi	Jenis Fraktur	Tatalaksana	Pain (2 we	Pain (2 mo	Nutrision (2	lutrision (2	hysical Acti	hysical Acti	ork Activit	ork Activiti
1	A. Muh. Raihan	2 - 10 tahu	Laki-laki	Left	Undisplaced Fractur	CRIMF	6	4	8	7	8	6	8	6
2	Ramli	20 - 60 tah	Laki-laki	Right	Undisplaced Fractur	CRIMF	7	5	9	8	8	7	9	7
3	Dedi Rizaldy	11 - 19 tah	Laki-laki	Left	Undisplaced Fractur	CRIMF	6	4	9	7	8	6	8	6
4	Ayudia Putri	20 - 60 tah	Perempuan	Right	Undisplaced Fractur	CRIMF	6	4	8	7	8	6	8	6
6	Kaniya Arisya Arifuddin	20 - 60 tah	Perempuan	Left	Lateral Displace Frac	CRIMF	6	4	8	7	7	6	8	6
9	Andi Artina	20 - 60 tah	Perempuan	Left	Lateral Displace Frac	CRIMF	6	4	9	7	7	6	8	6
10	Mutia Zakiyah	11 - 19 tah	Perempuan	Left	Lateral Displace Frac	CRIMF	7	5	9	8	8	7	9	7
13	Achmad Nur Syamsir	20 - 60 tah	Laki-laki	Bilateral	Undisplaced Fractur	CRIMF	8	6	10	8	9	7	9	7
14	Fariza Sheza Almayra	11 - 19 tah	Perempuan	Left	Undisplaced Fractur	CRIMF	6	4	9	7	8	6	9	7
15	Iskandar Muda Sam	20 - 60 tah	Laki-laki	Left	Undisplaced Fractur	CRIMF	6	4	9	7	8	6	8	6
16	Muh. Atha Rizky	2 - 10 tahu	Laki-laki	Right	Undisplaced Fractur	CRIMF	6	4	9	7	8	6	7	6
17	Muh. Ramadhani	11 - 19 tah	Laki-laki	Left	Undisplaced Fractur	CRIMF	6	4	8	6	8	6	7	6
18	Sultan Al Faad	11 - 19 tah	Laki-laki	Left	Lateral Displace Frac	CRIMF	6	4	8	6	8	6	8	6
19	Arsilah Nafisah	2 - 10 tahu	Laki-laki	Left	Lateral Displace Frac	CRIMF	5	3	8	6	7	5	7	5
20	Delfi Agusta	20 - 60 tah	Perempuan	Right	Lateral Displace Frac	CRIMF	6	4	9	7	8	6	9	7
22	Kaharuddin	20 - 60 tah	Laki-laki	Left	Undisplaced Fractur	CRIMF	8	6	9	8	9	7	9	7
23	Sudarsi	20 - 60 tah	Perempuan	Right	Undisplaced Fractur	CRIMF	8	6	9	8	8	7	9	7
5	Jumarni	20 - 60 tah	Perempuan	Bilateral	Lateral Displace Frac	ORIF	5	4	8	6	8	6	7	6
7	Dian Enisar	20 - 60 tah	Perempuan	Right	Medial Displaced Fra	ORIF	4	3	7	5	6	4	4	4
8	Nandito Adil Prakoso	11 - 19 tah	Laki-laki	Right	Medial Displaced Fra	ORIF	3	2	6	4	6	4	5	3
11	Wiwi wijaya	20 - 60 tah	Perempuan	Right	Medial Displaced Fra	ORIF	5	3	8	6	7	5	5	3
12	Sainuddin	20 - 60 tah	Laki-laki	Right	Lateral Displace Frac	ORIF	5	3	7	5	7	5	6	4
21	Andi Hikmah	20 - 60 tah	Perempuan	Right	Lateral Displace Frac	ORIF	5	3	7	5	7	5	5	3
24	Magfirah Dwi Larasati	20 - 60 tah	Perempuan	Left	Medial Displaced Fra	ORIF	5	4	7	5	7	5	5	3
25	Fenia Anjeja	11 - 19 tah	Perempuan	Left	Medial Displaced Fra	ORIF	4	3	7	5	7	5	4	2

Lampiran 4. Hasil Uji Statistik

Kappa Cohen

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Rater1 * Rater2	8	100.0%	0	0.0%	8	100.0%
Rater1 * Rater3	8	100.0%	0	0.0%	8	100.0%

Crosstab

Count

		Rater2				
		4.00	6.00	7.00	8.00	Total
Rater1	4.00	1	0	0	0	1
	6.00	0	3	0	0	3
	7.00	0	0	1	0	1
	8.00	0	0	0	2	2
	9.00	0	0	0	1	1
Total		1	3	1	3	8

Symmetric Measures

		Value	Asymptotic Standard Error[a]	Approximate T[b]	Approximate Significance
Measure of Agreement	Kappa	.830	.151	4.252	.000
N of Valid Cases		8			

a. Not assuming the null hypothesis.

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

Crosstab

Count

		Rater3				
		4.00	6.00	7.00	8.00	Total
Rater1	4.00	1	0	0	0	1
	6.00	0	3	0	0	3
	7.00	0	0	1	0	1
	8.00	0	0	1	1	2
	9.00	0	0	0	1	1
Total		1	3	2	2	8

Symmetric Measures

		Value	Asymptotic Standard Error[a]	Approximate T[b]	Approximate Significance
Measure of Agreement	Kappa	.667	.189	3.534	.000
N of Valid Cases		8			

a. Not assuming the null hypothesis.

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

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Rater2 * Rater3	8	100.0%	0	0.0%	8	100.0%

Rater2 * Rater3 Crosstabulation

Count

		Rater3				
		4.00	6.00	7.00	8.00	Total
Rater2	4.00	1	0	0	0	1
	6.00	0	3	0	0	3
	7.00	0	0	1	0	1

	8.00	0	0	1	2	3
Total		1	3	2	2	8

Symmetric Measures

		Value	Asymptotic Standard Error[a]	Approximate T[b]	Approximate Significance
Measure of Agreement	Kappa	.826	.157	3.951	.000
N of Valid Cases		8			

a. Not assuming the null hypothesis.

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

Deskripsi

Umur

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2 - 10 tahun	3	12.0	12.0	12.0
	11 - 19 tahun	7	28.0	28.0	40.0
	20 - 60 tahun	15	60.0	60.0	100.0
	Total	25	100.0	100.0	

Jenis_Kelamin

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Laki-laki	12	48.0	48.0	48.0
	Perempuan	13	52.0	52.0	100.0
	Total	25	100.0	100.0	

Lokasi

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Bilateral	2	8.0	8.0	8.0
	Right	10	40.0	40.0	48.0
	Left	13	52.0	52.0	100.0
	Total	25	100.0	100.0	

Jenis

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Lateral Displace Fractured	9	36.0	36.0	36.0
	Medial Displaced Fractured	5	20.0	20.0	56.0
	Undisplaced Fractured	11	44.0	44.0	100.0

	Total	25	100.0	100.0	

Tatalaksana

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	ORIF	8	32.0	32.0	32.0
	CRIMF	17	68.0	68.0	100.0
	Total	25	100.0	100.0	

Chi Square

Crosstab

Count

		Tatalaksana		
		ORIF	CRIMF	Total
Umur	2 - 10 tahun	0	3	3
	11 - 19 tahun	2	5	7
	20 - 60 tahun	6	9	15
Total		8	17	25

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	1.891[a]	2	.389
Likelihood Ratio	2.777	2	.249
Linear-by-Linear Association	1.682	1	.195
N of Valid Cases	25		

a. 5 cells (83.3%) have expected count less than 5. The minimum expected count is .96.

Crosstab

Count

		Tatalaksana		
		ORIF	CRIMF	Total
Jenis_Kelamin	Laki-laki	2	10	12
	Perempuan	6	7	13
Total		8	17	25

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)

Pearson Chi-Square	2.493[a]	1	.114		
Continuity Correction[b]	1.322	1	.250		
Likelihood Ratio	2.585	1	.108		
Fisher's Exact Test				.202	.125
Linear-by-Linear Association	2.394	1	.122		
N of Valid Cases	25				

a. 2 cells (50.0%) have expected count less than 5. The minimum expected count is 3.84.

b. Computed only for a 2x2 table

Crosstab

Count

		Tatalaksana		
		ORIF	CRIMF	Total
Lokasi	Bilateral	1	1	2
	Right	5	5	10
	Left	2	11	13
Total		8	17	25

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	3.436[a]	2	.179
Likelihood Ratio	3.546	2	.170
Linear-by-Linear Association	2.758	1	.097
N of Valid Cases	25		

a. 4 cells (66.7%) have expected count less than 5. The minimum expected count is .64.

Crosstab

Count

		Tatalaksana		
		ORIF	CRIMF	Total
Jenis	Lateral Displace Fractured	3	6	9
	Medial Displaced Fractured	5	0	5
	Undisplaced Fractured	0	11	11
Total		8	17	25

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	15.809[a]	2	.000
Likelihood Ratio	19.886	2	.000
Linear-by-Linear Association	2.946	1	.086
N of Valid Cases	25		

a. 4 cells (66.7%) have expected count less than 5. The minimum expected count is 1.60.

One-Sample Kolmogorov-Smirnov Test

			Pain 2weeks	Pain 2months	Nutrition 2weeks	Nutrition 2months	Physical 2weeks	Physical 2months	Work 2weeks	Work 2months
N			8	8	8	8	8	8	8	8
Normal Parameters[a,b]	Mean		4.5000	3.1250	7.1250	5.1250	6.8750	4.8750	5.1250	3.5000
	Std. Deviation		0.75593	0.64087	0.64087	0.64087	0.64087	0.64087	0.99103	1.19523
Most Extreme Differences	Absolute		0.371	0.327	0.327	0.327	0.327	0.327	0.300	0.287
	Positive		0.254	0.327	0.327	0.327	0.298	0.298	0.300	0.287
	Negative		-0.371	-0.298	-0.298	-0.298	-0.327	-0.327	-0.200	-0.213
Test Statistic			0.371	0.327	0.327	0.327	0.327	0.327	0.300	0.287
Asymp. Sig. (2-tailed)[c]			0.002	0.012	0.012	0.012	0.012	0.012	0.032	0.051
Monte Carlo Sig. (2-tailed)[d]	Sig.		0.002	0.013	0.013	0.013	0.013	0.013	0.033	0.050
	99% Confidence Interval	Lower Bound	0.001	0.010	0.010	0.010	0.010	0.010	0.028	0.045
		Upper Bound	0.003	0.015	0.015	0.015	0.015	0.015	0.038	0.056

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

d. Lilliefors' method based on 10000 Monte Carlo samples with starting seed 1644650155.

Ranks

		N	Mean Rank	Sum of Ranks
Pain_2months - Pain_2weeks	Negative Ranks	8[a]	4.50	36.00
	Positive Ranks	0[b]	.00	.00
	Ties	0[c]		
	Total	8		
Nutrition_2months - Nutrition_2weeks	Negative Ranks	8[d]	4.50	36.00
	Positive Ranks	0[e]	.00	.00
	Ties	0[f]		
	Total	8		
Physical_2months - Physical_2weeks	Negative Ranks	8[g]	4.50	36.00
	Positive Ranks	0[h]	.00	.00
	Ties	0[i]		
	Total	8		
Work_2months - Work_2weeks	Negative Ranks	7[j]	4.00	28.00
	Positive Ranks	0[k]	.00	.00
	Ties	1[l]		

Total	8		

a. Pain_2months < Pain_2weeks

b. Pain_2months > Pain_2weeks

c. Pain_2months = Pain_2weeks

d. Nutrition_2months < Nutrition_2weeks

e. Nutrition_2months > Nutrition_2weeks

f. Nutrition_2months = Nutrition_2weeks

g. Physical_2months < Physical_2weeks

h. Physical_2months > Physical_2weeks

i. Physical_2months = Physical_2weeks

j. Work_2months < Work_2weeks

k. Work_2months > Work_2weeks

l. Work_2months = Work_2weeks

Test Statistics[a]

	Pain_2months - Pain_2weeks	Nutrition_2months - Nutrition_2weeks	Physical_2months - Physical_2weeks	Work_2months - Work_2weeks
Z	-2.598[b]	-2.828[b]	-2.828[b]	-2.530[b]
Asymp. Sig. (2-tailed)	.009	.005	.005	.011

a. Wilcoxon Signed Ranks Test

b. Based on positive ranks.

One-Sample Kolmogorov-Smirnov Test

			Pain 2weeks	Pain 2months	Nutrition 2weeks	Nutrition 2months	Physical 2weeks	Physical 2months	Work 2weeks	Work 2months
N			17	17	17	17	17	17	17	17
Normal Parameters[a,b]	Mean		6.4118	4.4118	8.7059	7.1176	7.9412	6.2353	8.2353	6.3529
	Std. Deviation		0.87026	0.87026	0.58787	0.69663	0.55572	0.56230	0.75245	0.60634
Most Extreme Differences	Absolute		0.388	0.388	0.339	0.273	0.366	0.368	0.257	0.308
	Positive		0.388	0.388	0.250	0.273	0.340	0.368	0.211	0.308
	Negative		-0.259	-0.259	-0.339	-0.256	-0.366	-0.279	-0.257	-0.269
Test Statistic			0.388	0.388	0.339	0.273	0.366	0.368	0.257	0.308
Asymp. Sig. (2-tailed)[c]			0.000	0.000	0.000	0.002	0.000	0.000	0.004	0.000
Monte Carlo Sig. (2-tailed)[d]	Sig.		0.000	0.000	0.000	0.002	0.000	0.000	0.004	0.000
	99% Confidence Interval	Lower Bound	0.000	0.000	0.000	0.001	0.000	0.000	0.002	0.000
		Upper Bound	0.000	0.000	0.000	0.003	0.000	0.000	0.006	0.000

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

d. Lilliefors' method based on 10000 Monte Carlo samples with starting seed 1310155034.

Ranks

		N	Mean Rank	Sum of Ranks
Pain_2months - Pain_2weeks	Negative Ranks	17[a]	9.00	153.00
	Positive Ranks	0[b]	.00	.00
	Ties	0[c]		
	Total	17		
Nutrition_2months - Nutrition_2weeks	Negative Ranks	17[d]	9.00	153.00
	Positive Ranks	0[e]	.00	.00
	Ties	0[f]		
	Total	17		
Physical_2months - Physical_2weeks	Negative Ranks	17[g]	9.00	153.00
	Positive Ranks	0[h]	.00	.00
	Ties	0[i]		
	Total	17		
Work_2months - Work_2weeks	Negative Ranks	17[j]	9.00	153.00
	Positive Ranks	0[k]	.00	.00
	Ties	0[l]		
	Total	17		

a. Pain_2months < Pain_2weeks

b. Pain_2months > Pain_2weeks

c. Pain_2months = Pain_2weeks

d. Nutrition_2months < Nutrition_2weeks

e. Nutrition_2months > Nutrition_2weeks

f. Nutrition_2months = Nutrition_2weeks

g. Physical_2months < Physical_2weeks

h. Physical_2months > Physical_2weeks

i. Physical_2months = Physical_2weeks

j. Work_2months < Work_2weeks

k. Work_2months > Work_2weeks

l. Work_2months = Work_2weeks

Test Statistics[a]

	Pain_2months - Pain_2weeks	Nutrition_2months - Nutrition_2weeks	Physical_2months - Physical_2weeks	Work_2months - Work_2weeks
Z	-4.123[b]	-3.739[b]	-3.787[b]	-3.945[b]
Asymp. Sig. (2-tailed)	.000	.000	.000	.000

a. Wilcoxon Signed Ranks Test

b. Based on positive ranks.

One-Sample Kolmogorov-Smirnov Test

			Pain 2weeks	Pain 2months	Nutrition 2weeks	Nutrition 2months	Physical 2weeks	Physical 2months	Work 2weeks	Work 2months
N			25	25	25	25	25	25	25	25
Normal Parameters[a,b]	Mean		5.8000	4.0000	8.2000	6.4800	7.6000	5.8000	7.3600	5.4400
	Std. Deviation		1.22474	1.00000	0.95743	1.15902	0.76376	0.86603	1.57797	1.58325
Most Extreme Differences	Absolute		0.235	0.300	0.238	0.233	0.300	0.271	0.257	0.318
	Positive		0.235	0.300	0.162	0.139	0.220	0.209	0.149	0.162
	Negative		-0.205	-0.220	-0.238	-0.233	-0.300	-0.271	-0.257	-0.318
Test Statistic			0.235	0.300	0.238	0.233	0.300	0.271	0.257	0.318
Asymp. Sig. (2-tailed)[c]			0.001	0.000	0.001	0.001	0.000	0.000	0.000	0.000
Monte Carlo Sig. (2-tailed)[d]	Sig.		0.001	0.000	0.001	0.001	0.000	0.000	0.000	0.000
	99% Confidence Interval	Lower Bound	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		Upper Bound	0.002	0.000	0.001	0.002	0.000	0.000	0.000	0.000

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

d. Lilliefors' method based on 10000 Monte Carlo samples with starting seed 403768731.

Ranks

		N	Mean Rank	Sum of Ranks
Pain_2months - Pain_2weeks	Negative Ranks	25[a]	13.00	325.00
	Positive Ranks	0[b]	.00	.00

	Ties	0[c]		
	Total	25		
Nutrition_2months - Nutrition_2weeks	Negative Ranks	25[d]	13.00	325.00
	Positive Ranks	0[e]	.00	.00
	Ties	0[f]		
	Total	25		
Physical_2months - Physical_2weeks	Negative Ranks	25[g]	13.00	325.00
	Positive Ranks	0[h]	.00	.00
	Ties	0[i]		
	Total	25		
Work_2months - Work_2weeks	Negative Ranks	25[j]	13.00	325.00
	Positive Ranks	0[k]	.00	.00
	Ties	0[l]		
	Total	25		

a. Pain_2months < Pain_2weeks

b. Pain_2months > Pain_2weeks

c. Pain_2months = Pain_2weeks

d. Nutrition_2months < Nutrition_2weeks

e. Nutrition_2months > Nutrition_2weeks

f. Nutrition_2months = Nutrition_2weeks

g. Physical_2months < Physical_2weeks

h. Physical_2months > Physical_2weeks

i. Physical_2months = Physical_2weeks

j. Work_2months < Work_2weeks

k. Work_2months > Work_2weeks

l. Work_2months = Work_2weeks

Test Statistics[a]

	Pain_2months - Pain_2weeks	Nutrition_2months - Nutrition_2weeks	Physical_2months - Physical_2weeks	Work_2months - Work_2weeks
Z	-4.667[b]	-4.590[b]	-4.667[b]	-4.838[b]
Asymp. Sig. (2-tailed)	.000	.000	.000	.000

a. Wilcoxon Signed Ranks Test

b. Based on positive ranks.

One-Sample Kolmogorov-Smirnov Test

		Pain 2weeks	Pain 2months	Nutrition 2weeks	Nutrition 2months	Physical 2weeks	Physical 2months	Work 2weeks	Work 2months
N		25	25	25	25	25	25	25	25
Normal Parameters[a,b]	Mean	5.8000	4.0000	8.2000	6.4800	7.6000	5.8000	7.2400	5.4400
	Std. Deviation	1.22474	1.00000	0.95743	1.15902	0.76376	0.86603	1.69017	1.58325

Most Extreme Differences	Absolute		0.235	0.300	0.238	0.233	0.300	0.271	0.234	0.318
	Positive		0.235	0.300	0.162	0.139	0.220	0.209	0.149	0.162
	Negative		-0.205	-0.220	-0.238	-0.233	-0.300	-0.271	-0.234	-0.318
Test Statistic			0.235	0.300	0.238	0.233	0.300	0.271	0.234	0.318
Asymp. Sig. (2-tailed)[c]			0.001	0.000	0.001	0.001	0.000	0.000	0.001	0.000
Monte Carlo Sig. (2-tailed)[d]	Sig.		0.001	0.000	0.001	0.002	0.000	0.000	0.002	0.000
	99% Confidence Interval	Lower Bound	0.000	0.000	0.000	0.001	0.000	0.000	0.001	0.000
		Upper Bound	0.002	0.000	0.002	0.003	0.000	0.000	0.002	0.000

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

d. Lilliefors' method based on 10000 Monte Carlo samples with starting seed 2000000.

Ranks

	Kelompok	N	Mean Rank	Sum of Ranks
Pain_2weeks	ORIF	8	4.81	38.50
	CRIMF	17	16.85	286.50
	Total	25		
Pain_2months	ORIF	8	6.44	51.50
	CRIMF	17	16.09	273.50
	Total	25		

Nutrition_2weeks	ORIF	8	5.25	42.00
	CRIMF	17	16.65	283.00
	Total	25		
Nutrition_2months	ORIF	8	4.88	39.00
	CRIMF	17	16.82	286.00
	Total	25		
Physical_2weeks	ORIF	8	6.56	52.50
	CRIMF	17	16.03	272.50
	Total	25		
Physical_2months	ORIF	8	5.63	45.00
	CRIMF	17	16.47	280.00
	Total	25		
Work_2weeks	ORIF	8	4.69	37.50
	CRIMF	17	16.91	287.50
	Total	25		
Work_2months	ORIF	8	5.19	41.50
	CRIMF	17	16.68	283.50
	Total	25		

Test Statistics[a]

	Pain 2weeks	Pain 2months	Nutrition 2weeks	Nutrition 2months	Physical 2weeks	Physical 2months	Work 2weeks	Work 2months
Mann-Whitney U	2.500	15.500	6.000	3.000	16.500	9.000	1.500	5.500
Wilcoxon W	38.500	51.500	42.000	39.000	52.500	45.000	37.500	41.500
Z	-4.023	-3.328	-3.815	-3.925	-3.299	-3.688	-3.977	-3.815
Asymp. Sig. (2-tailed)	0.000	0.001	0.000	0.000	0.001	0.000	0.000	0.000
Exact Sig. [2*(1-tailed Sig.)]	.000[b]	.001[b]	.000[b]	.000[b]	.001[b]	.000[b]	.000[b]	.000[b]

a. Grouping Variable: Kelompok

b. Not corrected for ties.

Lampiran 5. Biodata

Data Pribadi

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1990-1996	: SD Swasta Nusantara Makassar