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LAMPIRAN

KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET DAN TEKNOLOGI
UNIVERSITAS HASANUDDIN FAKULTAS KEDOKTERAN
KOMITE ETIK PENELITIAN UNIVERSITAS HASANUDDIN
RSPTN UNIVERSITAS HASANUDDIN
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REKOMENDASI PERSETUJUAN ETIK
Nomor : 227/UN4.6.4.5.31/ PP36/ 2022

Tanggal: 19 Mei 2022

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

No Protokol	UH22040179	No Sponsor Protokol	
Peneliti Utama	**dr. Sri Handayani**	Sponsor	
Judul Peneliti	Arsitektur Penyembuhan Luka Yang Dievaluasi Dengan OCT Anterior Dan Astigmatisme Pasca Fakoemulsifikasi Menggunakan Topografi Kornea Pada Insisi Clear Kornea Di Penderita Katarak Senilis		
No Versi Protokol	**2**	Tanggal Versi	**19 Mei 2022**
No Versi PSP	**2**	Tanggal Versi	**19 Mei 2022**
Tempat Penelitian	RS Universitas Hasanuddin Makassar		
Jenis Review	[ ] Exempted [x] Expedited [ ] Fullboard Tanggal	Masa Berlaku **19 Mei 2022** sampai **19 Mei 2023**	Frekuensi review lanjutan
Ketua KEP Universitas Hasanuddin	Nama **Prof.Dr.dr. Suryani As'ad, M.Sc.,Sp.GK (K)**	Tanda tangan	
Sekretaris KEP Universitas Hasanuddin	Nama **dr. Agussalim 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 dilengkapi 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 prokol yang disetujui (protocol deviation / violation)
- Mematuhi semua peraturan yang ditentukan

FORMULIR PERSETUJUAN

Saya yang bertanda tangan di bawah ini :

Nama : …… Umur : .....tahun

Alamat : ……

Telepon/HP : .....

Menyatakan bersedia untuk berpartisipasi pada penelitian ini yang berjudul :

"PERBANDINGAN PERUBAHAN ARSITEKTUR LUKA KORNEA DAN ASTIGMATISME PADA INSISI *CLEAR* KORNEA ANTARA INSISI UNIPLANAR DAN BIPLANAR PASCA FAKOEMULSIFIKASI DENGAN MENGGUNAKAN *OPTICAL COHERENCE TOMOGRAPHY* SEGMEN ANTERIOR DAN TOPOGRAFI KORNEA"

setelah mendengar/membaca dan mengerti penjelasan yang diberikan mengenai tujuan dan manfaat yang akan didapatkan pada penelitian ini, khususnya bagi kemajuan ilmu kedokteran.

Makassar, ...

Saksi I Saksi II

(.....) (.....)

Penanggung jawab penelitian :

dr. Sri Handayani
Jl. Monumen Emmy Saelan III Graha Hasirah Permai A/8
Telp. 082192871258

Penanggung jawab medik :

dr. Muhammad Abrar Ismail, Sp.M(K),M.Kes
Jl. Sultan Alauddin No.84 A, kota makassar
Telp. 08134388469

DISETUJUI OLEH KOMISI PENELITIAN KESEHATAN FAKULTAS KEDOKTERAN UNHAS

TGL 19 MEI 2022

DATA SAMPEL PENELITIAN

NO.	NAMA	USIA	VISUS (UCVA)			
			PRE OPERASI		POST OPERASI	
			OD	OS	OD	OS
1	Sule Duma	53 tahun	20/80	20/60	20/25	20/60
2	Nasirah Semang (OD)	67 tahun	seper/60	seper/60	20/20 f2	seper/60
3	Ny.Nur Alam (OD)	57 tahun	20/100	20/80	20/60	20/80
4	Dorkas Lele	77 tahun	20/400	20/400	20/400	20/40
5	Sitti Nurati Denti	59 tahun	20/200	dua/60	20/200	20/30
6	Nurmiati (OD)	59 tahun	seper/60	dua/60	20/30	dua/60
7	Djumiati (OS)	65 tahun	20/200	lima/60	20/200	20/40
8	Jumiati (OD)	65 tahun	20/200	20/40	20/40	20/40
9	Alfius Duma	63 tahun	empat/60	20/40	20/80	20/40
10	Ny.Nur Alam (OS)	57 tahun	20/60	20/80	20/60	20/30
11	Nurmiati (OS)	58 tahun	20/30	dua/60	20/30	20/30
12	Mirna Makatutu	52 tahun	20/400	1/300	20/400	20/60
13	Lasire	60 tahun	20/80	20/40	20/30	20/40
14	Ny. Bocco	58 tahun	20/125	20/30	20/30	20/30
15	Hasniah Dg. Ngai	61 tahun	1/300	dua/60	20/40	dua/60
16	Marwiah Syamsu	58 tahun	20/40	dua/60	20/40	20/30
17	Suleman Dudung	54 tahun	1/300	lima/60	20/40	lima/60
18	Nur Masita	64 tahun	20/30	seper/60	20/30	seper/60
19	Andi Heriani (OD)	43 tahun	dua/60	20/200	20/40	20/200
20	Yusuf Habe	74 tahun	seper/60	20/25 (pseudo)	20/30	20/25 (pseudo)
21	Ludia	74 tahun	20/40	20/120	20/40	20/25
22	Hajzah	55 tahun	20/60	dua/60	20/60	20/40
23	Nasirah Semang (OS)	67 tahun	20/20	seper/60	20/20	20/30
24	Darman AR	65 tahun	20/25	20/200	20/25	20/20
25	Sukarta (OD)	66 tahun	dua/60	dua/60	20/25	dua/60
26	ST.Hj Aminah	64 tahun	20/100	20/50	20/40	20/50
27	St. Maena	53 tahun	lima/60	dua/60	lima/60	20/30
28	Kartini (OD)	59 tahun	empat/60	20/200	20/30	20/200
29	Jagaruddin	61 tahun	tiga/60	20/40	20/30	20/40
30	Kisman (One Eye)	51 tahun	20/150	NLP (ptisis bulbi)	20/25	NLP (ptisis bulbi)
31	Mustafa Mustari	72 tahun	dua/60	20/40	20/30	20/40

32	Hj. Fatima (Od)	58 tahun	dua/60	dua/60	20/40	dua/60
33	Rasjid A. Tang	71 tahun	20/40	20/200	20/40	20/30
34	Muh. Akil Azis	66 tahun	20/150	20/20	20/30	20/20
35	Sake	64 tahun	20/150	20/150	20/40	20/150
36	Sukarta (OS)	66 tahun	20/25	dua/60	20/25	20/30
37	Adolfina Sitandi	72 tahun	1/300	20/80	20/30	20/80
38	Samsul Alam	66 tahun	20/50	seper/60	20/50	20/40
39	Kartini (OS)	59 tahun	20/30	20/200	20/30	20/30
40	Abdul Rasyid	71 tahun	seper/60	seper/60	20/30	seper/60
41	Hj. Fatima (Os)	58 tahun	20/40	dua/60	20/40	20/30
42	Abdul Majid	68 tahun	20/60	20/150	20/60	20/40
43	Andi Heriani (OS)	43 tahun	20/30	20/200	20/30	20/40
44	Erna	40 tahun	20/80	20/20	20/25	20/20
45	Maria Inbu	69 tahun	20/70	20/25	20/20	20/25
46	Muh. Akmal Wahyu	49 tahun	20/20	1/300	20/20	20/30
47	Muh. Ryas Hidayat	63 tahun	20/20	1/300	20/20	20/40
48	Marhani	60 tahun	tiga/60	empat/60	20/30	empat/60
49	Musa	53 tahun	20/40	tiga/60	20/40	20/30
50	Yulian Gobay	51 tahun	20/40	seper/60	20/40	20/30
51	Siti Nurhayati (One Eye)	53 tahun	20/60	NLP	20/25	NLP

NO.	NAMA	ASTIGMATISME	
		PRE OPERASI	POST OPERASI
1	Sule Duma	CYL 3 mm = -0,47 D;AX = 25 derajat ; CYL 5 mm = -0.52 D ; AX = 19 derajat	CYL 3 mm = -0,94 D;AX = 15 derajat ; CYL 5 mm = -0.58 D ; AX = 13 derajat
2	Nasirah Semang (OD)	CYL 3 mm = -0,87 D ;AX = 156 derajat ; CYL 5 mm = -0,45 D ; AX = 157 derajat	CYL 3 mm = -1,04 D ;AX = 172 derajat ; CYL 5 mm = -0,80 D ; AX = 157 derajat
3	Ny.Nur Alam (OD)	CYL 3 mm = -0,60 D ;AX = 140 derajat ; CYL 5 mm = -0,10 D ; AX = 100 derajat	CYL 3 mm = -0,69 D ;AX = 144 derajat ; CYL 5 mm = -0,28 D ; AX = 124 derajat
4	Dorkas Lele	CYL 3 mm = -0,62 D ;AX = 100 derajat ; CYL 5 mm = -0,23 D ; AX = 98 derajat	CYL 3 mm = -1,42 D ;AX = 106 derajat ; CYL 5 mm = -1,53 D ; AX = 106 derajat
5	Sitti Nurati Denti	CYL 3 mm = -0,50 D ;AX = 10 derajat ; CYL 5 mm = -0,86 D ; AX = 7 derajat	CYL 3 mm = -1,30 D ;AX = 6 derajat ; CYL 5 mm = -1,06 D ; AX = 8 derajat
6	Nurmiati (OD)	CYL 3 mm = -0,67 D ;AX = 25 derajat ; CYL 5 mm = -0,88 D ; AX = 24 derajat	CYL 3 mm = -0,99 D ;AX = 37 derajat ; CYL 5 mm = -1,03 D ; AX = 8 derajat
7	Djumiati (OS)	CYL 3 mm = -0,20 D ;AX = 63 derajat ; CYL 5 mm = -0,69 D ; AX = 10 derajat	CYL 3 mm = -0,49 D ;AX = 72 derajat ; CYL 5 mm = -1,79 D ; AX = 25 derajat
8	Jumiati (OD)	CYL 3 mm = -0,73 D ;AX = 79 derajat ; CYL 5 mm = -0,42 D ; AX = 72 derajat	CYL 3 mm = -1,38 D ;AX = 97 derajat ; CYL 5 mm = -0,76 D ; AX = 94 derajat
9	Alfius Duma	CYL 3 mm = -0,62 D ;AX = 90 derajat ; CYL 5 mm = -0,46 D ; AX = 12 derajat	CYL 3 mm = -1,72 D ;AX = 122 derajat ; CYL 5 mm = -0,66 D ; AX = 42 derajat
10	Ny.Nur Alam (OS)	CYL 3 mm = -0,91 D ;AX = 77 derajat ; CYL 5 mm = -0,53 D ; AX = 63 derajat	CYL 3 mm = -1,11 D ;AX = 87 derajat ; CYL 5 mm = -0,73 D ; AX = 73 derajat
11	Nurmiati (OS)	CYL 3 mm = -0,23 D ;AX = 36 derajat ; CYL 5 mm = -0,88 D ; AX = 176 derajat	CYL 3 mm = -0,66 D ;AX = 180 derajat ; CYL 5 mm = -0,90 D ; AX = 6 derajat
12	Mirna Makatutu	CYL 3 mm = -0,58 D ;AX = 16 derajat ; CYL 5 mm = -0,61 D ; AX = 15 derajat	CYL 3 mm = -0,92 D ;AX = 28 derajat ; CYL 5 mm = -0,88 D ; AX = 20 derajat

13	Lasire	CYL 3 mm = -0.82 D ;AX = 164 derajat ; CYL 5 mm = 0,00 D ; AX = 0 derajat	CYL 3 mm = -0.97 D ;AX = 158 derajat ; CYL 5 mm = -0,21 D ; AX = 180 derajat
14	Ny. Bocco	CYL 3 mm = -0.92 D ;AX = 17 derajat ; CYL 5 mm = -0,59 D ; AX = 17 derajat	CYL 3 mm = -1.28 D ;AX = 59 derajat ; CYL 5 mm = -2,54 D ; AX = 28 derajat
15	Hasniah Dg. Ngai	CYL 3 mm = -0,30 D ;AX = 153 derajat ; CYL 5 mm = -0,23 D ; AX = 166 derajat	CYL 3 mm = -0,60 D ;AX = 127 derajat ; CYL 5 mm = -0,42 D ; AX = 140 derajat
16	Marwiah Syamsu	CYL 3 mm = 0,00 D ;AX = 0 derajat ; CYL 5 mm = -0,21 D ; AX = 10 derajat	CYL 3 mm = 0,00 D ;AX = 0 derajat ; CYL 5 mm = -0,41 D ; AX = 29 derajat
17	Suleman Dudung	CYL 3 mm = 0,00 D ;AX = 0 derajat ; CYL 5 mm = -0,49 D ; AX = 90 derajat	CYL 3 mm = -0,34 D ;AX = 26 derajat ; CYL 5 mm = -0,75 D ; AX = 102 derajat
18	Nur Masita	CYL 3 mm = -0,62 D ;AX = 10 derajat ; CYL 5 mm = -0,78 D ; AX = 100 derajat	CYL 3 mm = -1,65 D ;AX = 11 derajat ; CYL 5 mm = -1,97 D ; AX = 8 derajat
19	Andi Heriani (OD)	CYL 3 mm = -0,80 D ;AX = 177 derajat ; CYL 5 mm = -0,72 D ; AX = 87 derajat	CYL 3 mm = -2,05 D ;AX = 180 derajat ; CYL 5 mm = -1,63 D ; AX = 180 derajat
20	Yusuf Habe	CYL 3 mm = -0,64 D ;AX = 90 derajat ; CYL 5 mm = -0,42 D ; AX = 90 derajat	CYL 3 mm = -1,87 D ;AX = 90 derajat ; CYL 5 mm = -1,34 D ; AX = 90 derajat
21	Ludia	CYL 3 mm = -0,36 D ;AX = 50 derajat ; CYL 5 mm = -0,50 D ; AX = 137 derajat	CYL 3 mm = -0,86 D ;AX = 52 derajat ; CYL 5 mm = -1,10 D ; AX = 49 derajat
22	Hajzah	CYL 3 mm = -0,60 D ;AX = 3 derajat ; CYL 5 mm = -0,13 D ; AX = 93 derajat	CYL 3 mm = -1,40 D ;AX = 6 derajat ; CYL 5 mm = -0,33 D ; AX = 31 derajat
23	Nasirah Semang (OS)	CYL 3 mm = -0,76 D ;AX = 19 derajat ; CYL 5 mm = -0,43 D ; AX = 4 derajat	CYL 3 mm = -0,85 D ;AX = 168 derajat ; CYL 5 mm = -0,73 D ; AX = 8 derajat
24	Darman AR	CYL 3 mm = -0,26 D ;AX = 50 derajat ; CYL 5 mm = -0,57 D ; AX = 153 derajat	CYL 3 mm = -0,42 D ;AX = 54 derajat ; CYL 5 mm = -1,63 D ; AX = 173 derajat
25	Sukarta (OD)	CYL 3 mm = -0,96 D ;AX = 80 derajat ; CYL 5 mm = -1,04 D ; AX = 81 derajat	CYL 3 mm = -1,08 D ;AX = 82 derajat ; CYL 5 mm = -1,16 D ; AX = 80 derajat

26	ST.Hj Aminah	CYL 3 mm = -0,15 D ;AX = 43 derajat ; CYL 5 mm = -0,49 D ; AX = 100 derajat	CYL 3 mm = -0,27 D ;AX = 47 derajat ; CYL 5 mm = -1,19 D ; AX = 171 derajat
27	St. Maena	CYL 3 mm = -0,95 D ;AX = 46 derajat ; CYL 5 mm = -0,45 D ; AX = 60 derajat	CYL 3 mm = -1,35 D ;AX = 59 derajat ; CYL 5 mm = -1,06 D ; AX = 63 derajat
28	Kartini (OD)	CYL 3 mm = -0,28 D ;AX = 15 derajat ; CYL 5 mm = -0,43 D ; AX = 13 derajat	CYL 3 mm = -0,63 D ;AX = 20 derajat ; CYL 5 mm = -0,87 D ; AX = 15 derajat
29	Jagaruddin	CYL 3 mm = -0,23 D ;AX = 100 derajat ; CYL 5 mm = -0,36 D ; AX = 130 derajat	CYL 3 mm = -1,23 D ;AX = 119 derajat ; CYL 5 mm = -1,36 D ; AX = 134 derajat
30	Kisman (One Eye)	CYL 3 mm = -0,64 D ;AX = 41 derajat ; CYL 5 mm = -0,42 D ; AX = 40 derajat	CYL 3 mm = -1,46 D ;AX = 26 derajat ; CYL 5 mm = -1,02 D ; AX = 40 derajat
31	Mustafa Mustari	CYL 3 mm = -0,49 D ;AX = 83 derajat ; CYL 5 mm = -0,85 D ; AX = 70 derajat	CYL 3 mm = -0,94 D ;AX = 85 derajat ; CYL 5 mm = -1,01 D ; AX = 66 derajat
32	Hj. Fatima (Od)	CYL 3 mm = 0,00 D ;AX = 0 derajat ; CYL 5 mm = -0,13 D ; AX = 180 derajat	CYL 3 mm = 0,00 D ;AX = 0 derajat ; CYL 5 mm = -0,23 D ; AX = 4 derajat
33	Rasjid A. Tang	CYL 3 mm = -0,63 D ;AX = 85 derajat ; CYL 5 mm = -0,23 D ; AX = 35 derajat	CYL 3 mm = -1,36 D ;AX = 86 derajat ; CYL 5 mm = -0,42 D ; AX = 45 derajat
34	Muh. Akil Azis	CYL 3 mm = -0,44 D ;AX = 10 derajat ; CYL 5 mm = -0,26 D ; AX = 10 derajat	CYL 3 mm = -2,34 D ;AX = 20 derajat ; CYL 5 mm = -1,16 D ; AX = 20 derajat
35	Sake	CYL 3 mm = -0,62 D ;AX = 52 derajat ; CYL 5 mm = -0,60 D ; AX = 67 derajat	CYL 3 mm = -1,89 D ;AX = 84 derajat ; CYL 5 mm = -1,16 D ; AX = 101 derajat
36	Sukarta (OS)	CYL 3 mm = -0,54 D ;AX = 103 derajat ; CYL 5 mm = -0,85 D ; AX = 103 derajat	CYL 3 mm = -0,92 D ;AX = 90 derajat ; CYL 5 mm = -1,51 D ; AX = 90 derajat
37	Adolfina Sitandi	CYL 3 mm = -0,31 D ;AX = 173 derajat ; CYL 5 mm = -0,56 D ; AX = 15 derajat	CYL 3 mm = -0,65 D ;AX = 180 derajat ; CYL 5 mm = -0,82 D ; AX = 27 derajat
38	Samsul Alam	YL 3 mm = -0,54 D ;AX = 100 derajat ; CYL 5 mm = -0,50 D ; AX = 100 derajat	CYL 3 mm = -2,14 D ;AX = 106 derajat ; CYL 5 mm = -1,55 D ; AX = 100 derajat

39	Kartini (OS)	CYL 3 mm = -1,02 D ;AX = 150 derajat ; CYL 5 mm = -0,89 D ; AX = 149 derajat	CYL 3 mm = -2,61 D ;AX = 167 derajat ; CYL 5 mm = -2,19 D ; AX = 166 derajat
40	Abdul Rasyid	CYL 3 mm = -0,13 D ;AX = 77 derajat ; CYL 5 mm = 0,00 D ; AX = 0 derajat	CYL 3 mm = -1,07 D ;AX = 78 derajat ; CYL 5 mm = -0,27 D ; AX = 62 derajat
41	Hj. Fatima (Os)	CYL 3 mm = -0,36 D ;AX = 10 derajat ; CYL 5 mm = -0,22 D ; AX = 30 derajat	CYL 3 mm = -1,24 D ;AX = 16 derajat ; CYL 5 mm = -1,42 D ; AX = 51 derajat
42	Abdul Majid	CYL 3 mm = -1,06 D ;AX = 50 derajat ; CYL 5 mm = -0,10 D ; AX = 180 derajat	CYL 3 mm = -0,60 D ;AX = 70 derajat ; CYL 5 mm = 0,00 D ; AX = 0 derajat
43	Andi Heriani (OS)	CYL 3 mm = -0,80 D ;AX = 17 derajat ; CYL 5 mm = -1,27 D ; AX = 7 derajat	CYL 3 mm = -0,80 D ;AX = 17 derajat ; CYL 5 mm = -1,27 D ; AX = 7 derajat
44	Erna	CYL 3 mm = -0,34 D ;AX = 75 derajat ; CYL 5 mm = -0,18 D ; AX = 41 derajat	CYL 3 mm = -0,70 D ;AX = 79 derajat ; CYL 5 mm = -0,38 D ; AX = 48 derajat
45	Maria Inbu	CYL 3 mm = -0,00 D ;AX = 0 derajat ; CYL 5 mm = -0,35 D ; AX = 11 derajat	CYL 3 mm = -0,00 D ;AX = 0 derajat ; CYL 5 mm = -0,63 D ; AX = 18 derajat
46	Muh. Akmal Wahyu	CYL 3 mm = -0,35 D ;AX = 108 derajat ; CYL 5 mm = -0,22 D ; AX = 10 derajat	CYL 3 mm = -0,65 D ;AX = 168 derajat ; CYL 5 mm = -0,52 D ; AX = 11 derajat
47	Muh. Ryas Hidayat	CYL 3 mm = -0,50 D ;AX = 167 derajat ; CYL 5 mm = -0,78 D ; AX = 177 derajat	CYL 3 mm = -2,00 D ;AX = 173 derajat ; CYL 5 mm = -1,41 D ; AX = 174 derajat
48	Marhani	CYL 3 mm = -0,39 D ;AX = 70 derajat ; CYL 5 mm = -0,25 D ; AX = 35 derajat	CYL 3 mm = -0,99 D ;AX = 75 derajat ; CYL 5 mm = -0,45 D ; AX = 55 derajat
49	Musa	CYL 3 mm = -0,15 D ;AX = 100 derajat ; CYL 5 mm = -0,06 D ; AX = 60 derajat	CYL 3 mm = -0,35 D ;AX = 105 derajat ; CYL 5 mm = -0,26 D ; AX = 67 derajat
50	Yulian Gobay	CYL 3 mm = -0,37 D ;AX = 140 derajat ; CYL 5 mm = -0,26 D ; AX = 150 derajat	CYL 3 mm = -0,97 D ;AX = 143 derajat ; CYL 5 mm = -0,86 D ; AX = 151 derajat

DATA ARSITEKTUR LUKA PASIEN KATARAK SENILIS SETELAH FAKOEMULSIFIKASI

NO.	NAMA	1 hari		7 hari	
		OD	**OS**	**OD**	**OS**
1	Sule Duma	Gap endotel 126 µm		Gap endotel 104 µm	
2	Nasirah Semang (OD)	Gap endotel 82 µm, detachment m. Descement 64 µm		Gap endotel 71 µm, no detacment descement	
3	Ny.Nur Alam (OD)	Misalignment 216 µm, detachment descement 76 µm		Misalignment 93 µm, no detachment descement	
4	Dorkas Lele		Gap endotel 52 µm, detachment descement 86 µm		no gap endotel, detachment descement 15 µm
5	Sitti Nurati Denti		Detachment descement 77 µm		detachment descement 24 µm
6	Nurmiati (OD)	Gap endotel 132 µm, detachment m. Descement 26 µm		Gap endotel 61 µm, no detachment m. Descement	
7	Djumiati (OS)		Detachment m. Descement 66 µm		detachment m. descement 42 µm
8	Jumiati (OD)	Detachment m. Descement 120 µm		detachment m. Descement 36 µm	
9	Alfius Duma	Gap endotel 133 µm		Gap endotel 104 µm	
10	Ny.Nur Alam (OS)		Misalignment 69 µm		misalignment 51 µm
11	Nurmiati (OS)		Gap endotel 35 µm, detachment descement 60 µm		misalignment 18 µm, no gap endotel, no detachment descement
12	Mirna Makatutu		Misalignment 62 µm		misalignment 22 µm
13	Lasire	Misalignment, DM		Misalignment, DM	

14	Ny. Bocco	Gap endotel 104 µm, DM		Gap endotel 49 µm, DM	
15	Hasniah Dg. Ngai	Detachment membran descement		Detachment membran descement	
16	Marwiah Syamsu		Detachment membran descement (125µm)		detachment membran descement
17	Suleman Dudung	Misalignment (209 µm), Detachment descement		Misalignment (99 µm), Detachment descement	
18	Nur Masita		Misalignment		misalignment
19	Andi Heriani (OD)	Gap endotel 93 µm, misalignment		Misalignment	
20	Yusuf Habe	Misalignment (227 µm)		Misalignment (31 µm)	
21	Ludia		Detachment membran descement (149µm)		detachment membran descement (67 µm)
22	Hajzah		Misalignment (89 µm)		misalignment (26 µm)
23	Nasirah Semang (OS)		Misalignment (137 µm)		misalignment (52 µm)
24	Darman AR		Misalignment (267 µm); Detachment m. Descement		misalignment (124 µm); Detachment m.descement
25	Sukarta (OD)	Misalignment (39 µm)		No misalignment	
26	ST.Hj Aminah	Misalignment, detachment m. Descement		Misalignment, no dm	
27	St. Maena		Detachment m. Descement (134 µm)		detachment m. descement (65 µm)
28	Kartini (OD)	Misalignment (122 µm)		Misalignment (92 µm)	
29	Jagaruddin	Misalignment , (detachment m. Descement 180 µm)		Misalignment , (detachment m. Descement 80 µm)	
30	Kisman (One Eye)	Gap endotel (271 µm), detachment m. Descement		Gap endotel (124 µm), dm	

31	Mustafa Mustari	Gap endotel 298 µm, DM		Gap endotel 171 µm, DM	
32	Hj. Fatima (Od)	Misalignment 251 µm		Misalignment 92 µm	
33	Rasjid A. Tang		Detachment membran descement (14µm), gap epitel (103 µm)		gap epitel 93 µm, no detachment m. descement
34	Muh. Akil Azis	Gap endotel (201 µm)		Gap endotel (74 µm),	
35	Sake	Misalignment 148 µm, detachment m. Descement		Misalignment (43 µm), detachment m. Descement	
36	Sukarta (OS)		Gap endotel minimal (14 µm)		No gapping
37	Adolfina Sitandi	Misalignment 203 µm		Misalignment 107 µm	
38	Samsul Alam		Gap endotel 153 µm		Gap endotel 98 µm
39	Kartini (OS)		Misalignment , Detachment m. Descement (74 µm)		Misalignment , Detachment m. Descement (13 µm)
40	Abdul Rasyid	Misalignment (107 µm), detachment m. Descement (20 µm)		Misalignment (68 µm), no detachment descement	
41	Hj. Fatima (Os)		Misalignment minimal (17 µm)		No misalaignment
42	Abdul Majid		Gap endotel (132 µm), Detachment m. Descement (85 µm)		Gap endotel (97 µm), Detachment m. Descement (39 µm)
43	Andi Heriani (OS)		Misalignment minimal (10 µm)		No misalignment
44	Erna	Misalignment 215 µm, detachment m. Descement		Misalignment 100 µm, no detachment m. Descement	
45	Maria Inbu	Misalaignment minimal (9 µm)		No misaligment	
46	Muh. Akmal Wahyu	Gap endotel 228 µm		Gap endotel 115 µm	

47	Muh. Ryas Hidayat		Gap endotel 198 µm		Gap endotel 124 µm
48	Marhani	Gap endotel 15 µm		No gapping	
49	Musa		Misalignment minimal (6 µm)		No misaligment
50	Yulian Gobay		Misalignment 140 µm, detachment m. Descement		Misalignment (58 µm), no detachment m. Descement
51	Siti Nurhayati (One Eye)	Gap endotel 225 µm		Gap endotel 112 µm	

NO.	14 hari		21 hari		Jenis Insisi
	OD	**OS**	**OD**	**OS**	
1	Gap endotel 24 µm		No gap endotel		biplanar
2	Gap endotel 66 µm, no detacment descement, misalignment		No gap endotel, no dm, misalignment (31µm)		biplanar
3	No misalignment , no detachment descement		No misalignment, no detachment membran		uniplanar
4		No gap endotel, no detachment descement		No gap endotel, no detachment descement	uniplanar
5		No detachment descement		No detachment descement	uniplanar
6	Gap endotel 11 µm, no detachment m. Descement		Misalignment, no gap endotel, no dm		biplanar
7		NO detachment m. Descement		NO detachment m. Descement	uniplanar
8	NO detachment m. Descement		NO detachment m. Descement		uniplanar
9	Gap endotel 53 µm		No gapping		uniplanar
10		Misalignment 25 µm		No misalignment	uniplanar
11		No misalignment, no gap endotel, no detachment descement		No misalignment, no gap endotel, no detachment descement	uniplanar
12		No misalignment		No misalignment	uniplanar
13	Detachment membran descement		Detachment membran descement		biplanar
14	Gap endotel 12 µm, no detachment descement		No gapping, no detachment descement		uniplanar
15	Misalignment		No misalignment, no dm		biplanar

16		No DM		No DM	biplanar
17	Misalignment, no DM		Misalignment		biplanar
18		No misalignment		No misalignment	uniplanar
19	No gapping, ,misalignment		No gapping, no misalignment		biplanar
20	Misalignment		Misalignment		biplanar
21		No detachment descement		No detachment descement	uniplanar
22		No misalignment		No misalignment	uniplanar
23		No misalignment		No misalignment	uniplanar
24		Misalignment (84 µm); no DM		Misalignment (31 µm); No Detachment m descement	biplanar
25	No misalignment		No misalignment		uniplanar
26	Misalignment		Misalignment		biplanar
27		No detachment descement		No detachment descement	uniplanar
28	Misalignment (56 µm)		Misalignment (22 µm)		biplanar
29	Misalignment , (detachment m. Descement 47 µm)		Misalignment , no detachment m. Descement		biplanar
30	Gap endotel (63 µm), DM		Gap endotel 21 µm, DM		biplanar
31	Gap endotel 135 µm, DM		Gap endotel 70 µm, DM		biplanar
32	Misalignment 12 µm		No misalignment		biplanar
33		Gap epitel 67 µm, no detachment m. Descement		No gap epitel, no detachment descement	biplanar
34	Gap endotel (16 µm)		Misaligment, no gap endotel		uniplanar

35	Detachment m. Descement, no misalignment		Detachment m. Descement, no misalaignment		biplanar
36		No gapping		No gapping	uniplanar
37	Misalignment 19 µm		No misalignment		biplanar
38		Gap endotel 65 µm		Gap endotel 21 µm	biplanar
39		No misalaigment		No misalignment	uniplanar
40	Misalignment (26 µm), no detachment descement		No misalignment, no detachment descement		biplanar
41		No misalaignment		No misalaignment	uniplanar
42		Gap endotel (52 µm), no Detachment m. Descement		No gap endotel, no Detachment m. Descement	biplanar
43		No misalaignment		No misalaignment	uniplanar
44	No misaligment		No misalignemt		uniplanar
45	No misaligment		No misaligment		uniplanar
46	Gap endotel 76 µm		Gap endotel 39 µm		biplanar
47		Gap endotel 72 µm		Gap endotel minimal 19 µm; misalaigment	biplanar
48	No gapping		No gapping		uniplanar
49		No misaligment		No misaligment	uniplanar
50		Misalignment 40 µm, no detachment m. Descement		Misalignment 20 µm, no detachment m. Descement	biplanar
51	Gap endotel 55 µm		Gap endotel 13 µm		biplanar

OUTPUT DATA ANALYSIS

MENILAI HUBUNGAN ARSITEKTUR LUKA INSISI KORNEA

Uji Chi Square

Crosstab

Count

		JENIS INSISI		
		Uniplanar	Biplanar	Total
Arsitektur Luka H+1	GE	4	5	9
	Missalignment	10	4	14
	DMD	5	3	8
	GE+DMD	3	6	9
	Miss+DMD	3	8	11
Total		25	26	51

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)	Point Probability
Pearson Chi-Square	6.438[a]	4	.169	.180		
Likelihood Ratio	6.631	4	.157	.188		
Fisher's Exact Test	6.290			**.186**		
Linear-by-Linear Association	3.343[b]	1	.067	.074	.039	.011
N of Valid Cases	51					

a. 6 cells (60.0%) have expected count less than 5. The minimum expected count is 3.92.

b. The standardized statistic is 1.828.

Kesimpulan

Nilai p-value **(0.186)**> alpha, sehingga gagal tolak H_0 atau terima H_0 yaitu tidak ada hubungan antara arsitektur luka H+1 dan jenis insisi

1. Hubungan antara Arsitektur Luka H+7 dan Jenis Insisi

Crosstab

Count

		JENIS INSISI		
		Uniplanar	Biplanar	Total
Arsitektur Luka H+7	GE	2	7	9
	Miss	8	8	16
	DMD	5	2	7
	GE+DMD	2	4	6
	Miss+DMD	1	5	6
	Sembuh	7	0	7
Total		25	26	51

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)	Point Probability
Pearson Chi-Square	14.383[a]	5	.013	.009		
Likelihood Ratio	17.545	5	.004	.009		
Fisher's Exact Test	14.338			**.010**		
Linear-by-Linear Association	2.147[b]	1	.143	.153	.081	.018
N of Valid Cases	51					

a. 10 cells (83.3%) have expected count less than 5. The minimum expected count is 2.94.

b. The standardized statistic is -1.465.

Kesimpulan

Nilai p-value **(0.010)**< alpha, sehingga tolak H_0 atau terima H_1 yaitu ada hubungan antara arsitektur luka H+7 dan jenis insisi

2. Hubungan antara Arsitektur Luka H+14 dan Jenis Insisi

Crosstab

Count

		JENIS INSISI		
		Uniplanar	Biplanar	Total
Arsitektur Luka H+14	GE	3	8	11
	Missalignment	1	10	11

	DMD	1	3	4
	GE+DMD	0	2	2
	Miss+DMD	0	1	1
	Sembu	20	2	22
Total		25	26	51

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)	Point Probability
Pearson Chi-Square	28.355[a]	5	.000	.000		
Likelihood Ratio	33.186	5	.000	.000		
Fisher's Exact Test	29.333			.000		
Linear-by-Linear Association	20.429[b]	1	.000	.000	.000	.000
N of Valid Cases	51					

a. 6 cells (50.0%) have expected count less than 5. The minimum expected count is .49.

b. The standardized statistic is -4.520.

Kesimpulan

Nilai p-value **(0.000)**< alpha, sehingga tolak H_0 atau terima H_1 yaitu ada hubungan antara arsitektur luka H+14 dan jenis insisi

3. Hubungan antara Arsitektur Luka H+21 dan Jenis Insisi

Crosstab

Count

		JENIS INSISI		
		Uniplanar	Biplanar	Total
Arsitektur Luka H+21	GE	0	3	3
	Missalignment	1	9	10
	DMD	1	3	4
	GE+DMD	0	2	2
	Sembuh	23	9	32
Total		25	26	51

Chi-Square Tests

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

Pearson Chi-Square	18.513[a]	4	.001	.000		
Likelihood Ratio	21.657	4	.000	.000		
Fisher's Exact Test	17.793			**.000**		
Linear-by-Linear Association	16.436[b]	1	.000	.000	.000	.000
N of Valid Cases	51					

a. 7 cells (70.0%) have expected count less than 5. The minimum expected count is .98.

b. The standardized statistic is -4.054.

Kesimpulan

Nilai p-value **(0.000)**< alpha, sehingga tolak H_0 atau terima H_1 yaitu ada hubungan antara arsitektur luka H+21 dan jenis insisi

MENILAI UJI KORELASI ANTARA GAP ENDOTEL DAN ASTIGMATISME GABUNG UNTUK SEMUA KATEGORI

Uji Normalitas

Uji ini digunakan untuk melihat apakah data berdistribusi normal atau tidak

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
CYL 3 mm (D)	.065	51	.200*	.966	51	.150
AX (derajat)	.119	51	.069	.922	51	.002
CYL 5 mm (D)	.106	51	.200*	.963	51	.117
AX (derajat)	.129	51	.032	.903	51	.001
CYL 3 mm (D)	.086	51	.200*	.973	51	.282
AX (derajat)	.111	51	.157	.930	51	.005
CYL 5 mm (D)	.077	51	.200*	.966	51	.152
AX (derajat)	.127	51	.038	.899	51	.000
CYL 3 mm (D)	.129	51	.033	.950	51	.032

AX (derajat)	.113	51	.099	.923	51	.003
CYL 5 mm (D)	.094	51	.200*	.954	51	.048
AX (derajat)	.124	51	.048	.886	51	.000
CYL 3 mm (D)	.069	51	.200*	.948	51	.025
AX (derajat)	.121	51	.060	.923	51	.003
CYL 5 mm (D)	.096	51	.200*	.967	51	.173
AX (derajat)	.165	51	.001	.861	51	.000

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

a. Lilliefors Significance Correction

Kriteria pengambilan keputusan yaitu data berdistribusi normal apabila nilai p-value (Sig.) > alpha (0.05). Berdasarkan hasil analisis, terlihat bahwa semua variabel kecuali AX berdistribusi normal sehingga pengujian akan dilakukan menggunakan metode korelasi pearson.

1. Gap Endotel vs CYL 3

Berikut adalah rangkuman dari pengujian independent sample test untuk masing CYL 3

Tabel 1. Rangkuman hasil uji korelasi gap endotel dan CYL 3

	Gap Endotel			
p (Sig)	H+1	H+7	H+14	H+21
CYL3 Pre	0.101	0.165	0.622	0.999
CYL3 H+1	0.729	0.600	0.643	0.774
CYL3 H+7	0.560	0.390	0.596	0.776
CYL3 H+14	0.138	0.108	0.402	0.761

Berdasarkan hasil pengujian korelasi pearson dengan hipotesis
H_0 : tidak ada hubungan.
H_1 : ada hubungan yang signifikan

Tolak H_0 apabila nilai p (Sig.) < alpha (0.05)

KORELASI ANTARA CY3 DAN GAP ENDOTEL SECARA UMUM

		GH1	GH7	GH14	GH21
CYL3Pre	Pearson Correlation	.388	.332	.121	.000
	Sig. (2-tailed)	**.101**	**.165**	**.622**	**.999**
	N	19	19	19	19
CYL3H1	Pearson Correlation	.085	.129	.114	.071
	Sig. (2-tailed)	**.729**	**.600**	**.643**	**.774**
	N	19	19	19	19
CYL3H7	Pearson Correlation	.143	.209	.130	.070
	Sig. (2-tailed)	**.560**	**.390**	**.596**	**.776**
	N	19	19	19	19
CYL3H14	Pearson Correlation	.353	.381	.204	.075
	Sig. (2-tailed)	**.138**	**.108**	**.402**	**.761**
	N	19	19	19	19

2. Gap Endotel vs CYL 5

	Gap Endotel			
p (Sig)	H+1	H+7	H+14	H+21
CYL5 Pre	0.719	0.464	0.522	0.837
CYL5 H+1	0.903	0.796	0.901	0.987
CYL5 H+7	0.872	0.598	0.556	0.995
CYL5 H+14	0.852	0.595	0.628	0.849

Berdasarkan hasil pengujian korelasi pearson dengan hipotesis
H_0 : tidak ada hubungan.
H_1 : ada hubungan yang signifikan

Tolak H_0 apabila nilai p (Sig.) < alpha (0.05)

Berdasarkan tabel 1 di atas diketahui bahwa semuanya gagal menolak H_0 (menerima H_0) atau **tidak ada** hubungan yang signifikan antara semua pasangan variabel yang diteliti.

		GH1	GH7	GH14	GH21
CYL5Pre	Pearson Correlation	-.089	-.179	-.157	.051
	Sig. (2-tailed)	**.719**	**.464**	**.522**	**.837**
	N	19	19	19	19
CYL5H1	Pearson Correlation	-.030	-.063	-.031	.004
	Sig. (2-tailed)	**.903**	**.796**	**.901**	**.987**
	N	19	19	19	19
CYL5H7	Pearson Correlation	-.040	-.129	-.144	-.002
	Sig. (2-tailed)	**.872**	**.598**	**.556**	**.995**
	N	19	19	19	19
CYL5H14	Pearson Correlation	-.046	-.130	-.119	.047
	Sig. (2-tailed)	**.852**	**.595**	**.628**	**.849**
	N	19	19	19	19

1. KATEGORI BIPLANAR

UJI KOMPARASI ANTARA CYL 3 PRE OPERASI, H+1, H+7, DAN H+14

Berikut adalah rangkuman dari pengujian independent sample test untuk masing CYL 3 pada kategori Biplanar

Tabel 1. Rangkuman hasil uji komparasi CYL 3 Biplanar

p (Sig)	CYL3 Pre	CYL3 H+1	CYL3 H+7	CYL3 H+14
CYL3 Pre		0.000*	0.076	0.615
CYL3 H+1			0.029*	0.001 *
CYL3 H+7				0.157
CYL3 H+14				

ket

tanda * berarti signifikan

Berdasarkan hasil pengujian independent sample test dengan hipotesis
H_0 : tidak ada perbedaan.
H_1 : ada perbedaan yang signifikan

Tolak H_0 apabila nilai p (Sig.) < alpha (0.05)
Berdasarkan tabel 1 di atas diperoleh bahwa hasil uji t antara CYL3 Pre operasi dan CYL3 H+1, CYL3 H+1 dan CYL3 H+7, serta CYL3 H+1 dan CYL3 H+14 menolak H0 yang berarti memang terdapat perbedaan yang signifikan, **sedangkan** sisanya gagal tolak H0.

A. Independent sample test untuk CYL 3 Pre dan CYL H+1

Group Statistics

	Kategorik	N	Mean	Std. Deviation	Std. Error Mean
Data	1	26	-.4281	.29422	.05770
	2	26	-.9646	.64296	.12610

Independent Samples Test

	Levene's Test for Equality of Variances		t-test for Equality of Means						
								95% Confidence Interval of the Difference	
	F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper

Data	Equal variances assumed	9.522	.003	3.869	50	.000	.53654	.13867	.25801	.81507
	Equal variances not assumed			3.869	35.030	.000	.53654	.13867	.25503	.81805

B. Independent sample test untuk CYL 3 Pre dan CYL H+7

Group Statistics

	Kategorik	N	Mean	Std. Deviation	Std. Error Mean
Data	1	26	-.4281	.29422	.05770
	2	26	-.6192	.45034	.08832

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
Data	Equal variances assumed	2.400	.128	1.812	50	.076	.19115	.10550	-.02075	.40305
	Equal variances not assumed			1.812	43.053	.077	.19115	.10550	-.02160	.40390

C. Independent sample test untuk CYL 3 Pre dan CYL H+14

Group Statistics

	Kategorik	N	Mean	Std. Deviation	Std. Error Mean
Data	1	26	-.4281	.29422	.05770
	2	26	-.4688	.28621	.05613

Independent Samples Test

	Levene's Test for Equality of Variances	t-test for Equality of Means

		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
Data	Equal variances assumed	.130	.720	.506	50	.615	.04077	.08050	-.12092	.20246
	Equal variances not assumed			.506	49.962	.615	.04077	.08050	-.12092	.20246

D. Independent sample test untuk CYL H+1 Pre dan CYL H+7

Group Statistics

	Kategorik	N	Mean	Std. Deviation	Std. Error Mean
Data	1	26	-.9646	.64296	.12610
	2	26	-.6192	.45034	.08832

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
Data	Equal variances assumed	2.735	.104	-2.243	50	.029	-.34538	.15395	-.65460	-.03617
	Equal variances not assumed			-2.243	44.771	.030	-.34538	.15395	-.65550	-.03527

E. Independent sample test untuk CYL H+1 Pre dan CYL H+14

Group Statistics

	Kategorik	N	Mean	Std. Deviation	Std. Error Mean
Data	1	26	-.9646	.64296	.12610
	2	26	-.4688	.28621	.05613

Independent Samples Test

	Levene's Test for Equality of Variances	t-test for Equality of Means

		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
Data	Equal variances assumed	10.566	.002	-3.592	50	.001	-.49577	.13802	-.77300	-.21854
	Equal variances not assumed			-3.592	34.533	.001	-.49577	.13802	-.77611	-.21543

F. Independent sample test untuk CYL H+7 Pre dan CYL H+14

Group Statistics

	Kategorik	N	Mean	Std. Deviation	Std. Error Mean
Data	1	26	-.6192	.45034	.08832
	2	26	-.4688	.28621	.05613

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
Data	Equal variances assumed	3.151	.082	-1.437	50	.157	-.15038	.10465	-.36057	.05980
	Equal variances not assumed			-1.437	42.363	.158	-.15038	.10465	-.36152	.06075

2. KATEGORI UNIPLANAR

UJI KOMPARASI ANTARA CYL 3 PRE OPERASI, H+1, H+7, DAN H+14

Berikut adalah rangkuman dari pengujian independent sample test untuk masing CYL 3 pada kategori Uniplanar

Tabel 1. Rangkuman hasil uji komparasi CYL 3 Uniplanar

p (Sig)	CYL3 Pre	CYL3 H+1	CYL3 H+7	CYL3 H+14
CYL3 Pre		0.000 *	0.011*	0.906
CYL3 H+1			0.011*	0.000 *
CYL3 H+7				0.000 *
CYL3 H+14				

Berdasarkan hasil pengujian independent sample test dengan hipotesis
H_0 : tidak ada perbedaan.
H_1 : ada perbedaan yang signifikan

Tolak H_0 apabila nilai p (Sig.) < alpha (0.05)
Berdasarkan tabel 1 di atas dadapatkan hasil uji t antara CYL3 Pre operasi dan CYL3 H+14 gagal menolak H0 atau dengan kata lain terima H0 **sedangkan** semua hasil uji kecuali yang tadi berhasil tolak H0 yang menunjukan adanya perbedaan signifikan.

A. Independent sample test untuk CYL 3 Pre dan CYL H+1

Group Statistics

	Kategorik	N	Mean	Std. Deviation	Std. Error Mean
Data	1	25	-.5432	.29690	.05938
	2	25	-1.1308	.56971	.11394

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
Data	Equal variances assumed	4.775	.034	4.573	48	.000	.58760	.12849	.32926	.84594
	Equal variances not assumed			4.573	36.141	.000	.58760	.12849	.32705	.84815

B. Independent sample test untuk CYL 3 Pre dan CYL H+7

Group Statistics

	Kategorik	N	Mean	Std. Deviation	Std. Error Mean
Data	1	25	-.5432	.29690	.05938
	2	25	-.7804	.33853	.06771

Independent Samples Test

	Levene's Test for Equality of Variances	t-test for Equality of Means

		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
Data	Equal variances assumed	.009	.925	2.634	48	.011	.23720	.09006	.05613	.41827
	Equal variances not assumed			2.634	47.196	.011	.23720	.09006	.05605	.41835

C. Independent sample test untuk CYL 3 Pre dan CYL H+14

Group Statistics

	Kategorik	N	Mean	Std. Deviation	Std. Error Mean
Data	1	25	-.5432	.29690	.05938
	2	25	-.5320	.36879	.07376

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
Data	Equal variances assumed	.226	.637	-.118	48	.906	-.01120	.09469	-.20159	.17919
	Equal variances not assumed			-.118	45.907	.906	-.01120	.09469	-.20181	.17941

D. Independent sample test untuk CYL H+1 dan CYL H+7

Group Statistics

	Kategorik	N	Mean	Std. Deviation	Std. Error Mean
Data	1	25	-1.1308	.56971	.11394
	2	25	-.7804	.33853	.06771

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						

		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference Lower	Upper
Data	Equal variances assumed	3.940	.053	-2.644	48	.011	-.35040	.13254	-.61689	-.08391
	Equal variances not assumed			-2.644	39.070	.012	-.35040	.13254	-.61847	-.08233

E. Independent sample test untuk CYL H+1 dan CYL H+14

Group Statistics

	Kategorik	N	Mean	Std. Deviation	Std. Error Mean
Data	1	25	-1.1308	.56971	.11394
	2	25	-.5320	.36879	.07376

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference Lower	Upper
Data	Equal variances assumed	2.836	.099	-4.412	48	.000	-.59880	.13573	-.87171	-.32589
	Equal variances not assumed			-4.412	41.110	.000	-.59880	.13573	-.87289	-.32471

F. Independent sample test untuk CYL H+7 dan CYL H+14

Group Statistics

	Kategorik	N	Mean	Std. Deviation	Std. Error Mean
Data	1	25	-1.1308	.56971	.11394
	2	25	-.5320	.36879	.07376

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference Lower	Upper
Data	Equal variances assumed	2.836	.099	-4.412	48	.000	-.59880	.13573	-.87171	-.32589
	Equal variances not assumed			-4.412	41.110	.000	-.59880	.13573	-.87289	-.32471

1. KATEGORI BIPLANAR

UJI KOMPARASI ANTARA CYL 5 PRE OPERASI, H+1, H+7, DAN H+14

Berikut adalah rangkuman dari pengujian independent sample test untuk masing CYL 5 pada kategori Biplanar

Tabel 1. Rangkuman hasil uji komparasi CYL 5 Biplanar

p (Sig)	CYL5 Pre	CYL5 H+1	CYL5 H+7	CYL5 H+14
CYL5 Pre		0.000*	0.006*	0.429
CYL5 H+1			0.060	0.001*
CYL5 H+7				0.035*
CYL5 H+14				

Berdasarkan hasil pengujian independent sample test dengan hipotesis
H_0 : tidak ada perbedaan.
H_1 : ada perbedaan yang signifikan

Tolak H_0 apabila nilai p (Sig.) < alpha (0.05)
Berdasarkan tabel 1 di atas dihasilkan bahwa terdapat 2 hasil Uji t yang tidak signifikan yaitu uji antara CYL5 Pre dengan CYL5 H+14 serta CYL5 H+1 dengan CYL5 H+7. Dan 4 hasil uji lainnya menunjukan hasil signifikan < alpha yang artinya H0 ditolak.

A. Independent sample test untuk CYL 5 Pre dan CYL H+1

Group Statistics

	Kategorik	N	Mean	Std. Deviation	Std. Error Mean
Data	1	26	-.4112	.24191	.04744
	2	26	-.8485	.46945	.09207

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
Data	Equal variances assumed	11.557	.001	4.222	50	.000	.43731	.10357	.22928	.64534
	Equal variances not assumed			4.222	37.403	.000	.43731	.10357	.22753	.64709

B. Independent sample test untuk CYL 5 Pre dan CYL H+7

Group Statistics

	Kategorik	N	Mean	Std. Deviation	Std. Error Mean
Data	1	26	-.4112	.24191	.04744
	2	26	-.6350	.31345	.06147

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
Data	Equal variances assumed	2.392	.128	2.883	50	.006	.22385	.07765	.06788	.37981
	Equal variances not assumed			2.883	46.983	.006	.22385	.07765	.06763	.38006

C. Independent sample test untuk CYL 5 Pre dan CYL H+14

Group Statistics

	Kategorik	N	Mean	Std. Deviation	Std. Error Mean
Data	1	26	-.4112	.24191	.04744
	2	26	-.4654	.24852	.04874

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
Data	Equal variances assumed	.014	.908	.797	50	.429	.05423	.06802	-.08239	.19085
	Equal variances not assumed			.797	49.964	.429	.05423	.06802	-.08239	.19085

D. Independent sample test untuk CYL 5 H+1 Pre dan CYL H+7

Group Statistics

	Kategorik	N	Mean	Std. Deviation	Std. Error Mean
Data	1	26	-.8485	.46945	.09207

	2	26	-.6350	.31345	.06147

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	T	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
Data	Equal variances assumed	4.539	.038	-1.928	50	.060	-.21346	.11070	-.43581	.00889
	Equal variances not assumed			-1.928	43.595	.060	-.21346	.11070	-.43663	.00970

E. Independent sample test untuk CYL 5 H+1 Pre dan CYL H+14

Group Statistics

	Kategorik	N	Mean	Std. Deviation	Std. Error Mean
Data	1	26	-.8485	.46945	.09207
	2	26	-.4654	.24852	.04874

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
Data	Equal variances assumed	11.441	.001	-3.677	50	.001	-.38308	.10417	-.59231	-.17384
	Equal variances not assumed			-3.677	37.992	.001	-.38308	.10417	-.59396	-.17219

F. Independent sample test untuk CYL 5 H+7 Pre dan CYL H+14

Group Statistics

	Kategorik	N	Mean	Std. Deviation	Std. Error Mean
Data	1	26	-.6350	.31345	.06147
	2	26	-.4654	.24852	.04874

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
Data	Equal variances assumed	2.485	.121	-2.162	50	.035	-.16962	.07845	-.32719	-.01205
	Equal variances not assumed			-2.162	47.529	.036	-.16962	.07845	-.32739	-.01184

2. KATEGORI UNIPLANAR

UJI KOMPARASI ANTARA CYL 5 PRE OPERASI, H+1, H+7, DAN H+14

Berikut adalah rangkuman dari pengujian independent sample test untuk masing CYL 5 pada kategori Uniplanar

Tabel 1. Rangkuman hasil uji komparasi CYL 5 Uniplanar

p (Sig)	CYL5 Pre	CYL5 H+1	CYL5 H+7	CYL5 H+14
CYL5 Pre		0.000*	0.133	0.585
CYL5 H+1			0.016*	0.001*
CYL5 H+7				0.250
CYL5 H+14				

Berdasarkan hasil pengujian independent sample test dengan hipotesis
H_0 : tidak ada perbedaan.
H_1 : ada perbedaan yang signifikan

Tolak H_0 apabila nilai p (Sig.) < alpha (0.05)
Berdasarkan tabel 1 di atas hasil yang diperoleh berimbang antara jumlah hasil uji t yang signifikan dan tidak signifikan. Hasil uji yang signifikan yaitu uji antara CYL5 Pre dengan CYL5 H+1, CYL5 H+1 dengan CYL5 H+7, serta CYL5 H+1 dengan CYL5 H+14 dengan keputusan tolak H0, **sedangkan** 3 hasil uji selain diatas tidak signifikan atau gagal tolak H0.

A. Independent sample test untuk CYL 5 Pre dan CYL H+1

Group Statistics

	Kategorik	N	Mean	Std. Deviation	Std. Error Mean
Data	1	25	-.5212	.32013	.06403
	2	25	-1.0604	.60313	.12063

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
Data	Equal variances assumed	5.793	.020	3.948	48	.000	.53920	.13656	.26462	.81378
	Equal variances not assumed			3.948	36.529	.000	.53920	.13656	.26237	.81603

B. Independent sample test untuk CYL 5 Pre dan CYL H+7

Group Statistics

	Kategorik	N	Mean	Std. Deviation	Std. Error Mean
Data	1	25	-.5212	.32013	.06403
	2	25	-.6872	.43898	.08780

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
Data	Equal variances assumed	.589	.446	1.528	48	.133	.16600	.10866	-.05248	.38448
	Equal variances not assumed			1.528	43.899	.134	.16600	.10866	-.05301	.38501

C. Independent sample test untuk CYL 5 Pre dan CYL H+14

Group Statistics

	Kategorik	N	Mean	Std. Deviation	Std. Error Mean
Data	1	25	-.5212	.32013	.06403

	2	25	-.5672	.27002	.05400

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
Data	Equal variances assumed	.682	.413	.549	48	.585	.04600	.08376	-.12241	.21441
	Equal variances not assumed			.549	46.673	.586	.04600	.08376	-.12254	.21454

D. Independent sample test untuk CYL 5 H+1 dan CYL H+7

Group Statistics

	Kategorik	N	Mean	Std. Deviation	Std. Error Mean
Data	1	25	-1.0604	.60313	.12063
	2	25	-.6872	.43898	.08780

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
Data	Equal variances assumed	2.333	.133	-2.501	48	.016	-.37320	.14919	-.67317	-.07323
	Equal variances not assumed			-2.501	43.856	.016	-.37320	.14919	-.67391	-.07249

E. Independent sample test untuk CYL 5 H+1 dan CYL H+14

Group Statistics

	Kategorik	N	Mean	Std. Deviation	Std. Error Mean
Data	1	25	-1.0604	.60313	.12063
	2	25	-.5672	.27002	.05400

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
Data	Equal variances assumed	8.722	.005	-3.732	48	.001	-.49320	.13216	-.75893	-.22747
	Equal variances not assumed			-3.732	33.250	.001	-.49320	.13216	-.76201	-.22439

F. Independent sample test untuk CYL 5 H+7 dan CYL H+14

Group Statistics

	Kategorik	N	Mean	Std. Deviation	Std. Error Mean
Data	1	25	-.6872	.43898	.08780
	2	25	-.5672	.27002	.05400

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
Data	Equal variances assumed	1.887	.176	-1.164	48	.250	-.12000	.10308	-.32725	.08725
	Equal variances not assumed			-1.164	39.887	.251	-.12000	.10308	-.32834	.08834

BIODATA PENELITI

A. Data Pribadi

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B. Riwayat Pendidikan

Jenis/ Jurusan Pendidikan	Nama Sekolah/ Institusi	Tahun Lulus
SD	SD Rajawali, Makassar	2000
SMP	SMP Negeri 1 Soppeng	2003
SMA	SMA Negeri 1 Soppeng	2006
S1	Fakultas Kedokteran Universitas Muhammadiyah Jakarta	2009
Profesi Dokter	Fakultas Kedokteran Universitas Muhammadiyah Jakarta	2012

C. Riwayat Pekerjaan

1. Dokter Internship, RSUD Pangkajene, Kab.Pangkajene, Sulawesi Selatan tahun 2012 – 2013.
2. Dokter Umum, RS. Grestelina, Makassar, Sulawesi Selatan tahun 2013 – 2016.