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REKOMENDASI PERSETUJUAN ETIK

Nomor : 146/UN4.6.4.5.31/ PP36/ 2022

Tanggal: 29 Maret 2022

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

No Protokol	UH22010005	No Sponsor Protokol	
Peneliti Utama	dr. Mario	Sponsor	
Judul Peneliti	GAMBARAN ANTARA NILAI ABI DAN DOPPLER VASKULAR DAN DERAJAT STENOSIS PADA PASIEN CAD DISERTAI DM TIPE 2 YANG MENJALANI ANGIOGRAFI KORONER		
No Versi Protokol	2	Tanggal Versi	23 Maret 2022
No Versi PSP	2	Tanggal Versi	23 Maret 2022
Tempat Penelitian	RS Dr. Wahidin Sudirohusodo Makassar		
Jenis Review	<input type="checkbox"/> Exempted <input checked="" type="checkbox"/> Expedited <input type="checkbox"/> Fullboard Tanggal	Masa Berlaku 29 Maret 2022 sampai 29 Maret 2023	Frekuensi review lanjutan
Ketua KEPK FKUH RSUH dan RSWS	Nama Prof.Dr.dr. Suryani As'ad, M.Sc.,Sp.GK (K)	Tanda tangan	
Sekretaris KEPK FKUH RSUH dan RSWS	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 Laporan SUSAR dalam 72 jam setelah Peneliti Utama menerima laporan
- Menyerahkan Laporan Kemajuan (progress report) setiap 6 bulan untuk penelitian resiko tinggi dan setiap setahun untuk penelitian resiko rendah
- Menyerahkan laporan akhir setelah Penelitian berakhir
- Melaporkan penyimpangan dari protokol yang disetujui (protocol deviation / violation)
- Mematuhi semua peraturan yang ditentukan

LAMPIRAN

Lampiran 1. Hasil analisis penelitian

Descriptives

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
Usia	50	34.00	82.00	58.0200	9.27690
Syntax	50	4.00	47.00	27.3300	10.90011
ABI	50	.70	1.20	1.0260	.13822
Valid N (listwise)	50				

Frequencies

JK

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Male	37	74.0	74.0	74.0
	Female	13	26.0	26.0	100.0
	Total	50	100.0	100.0	

umur

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	<50 tahun	10	20.0	20.0	20.0
	51-60 tahun	21	42.0	42.0	62.0
	61-70 tahun	16	32.0	32.0	94.0
	>70 tahun	3	6.0	6.0	100.0
	Total	50	100.0	100.0	

HT

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	27	54.0	54.0	54.0
	No	23	46.0	46.0	100.0

Total	50	100.0	100.0
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Merokok

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	29	58.0	58.0	58.0
	No	21	42.0	42.0	100.0
	Total	50	100.0	100.0	

Dyslipidemia

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	15	30.0	30.0	30.0
	No	35	70.0	70.0	100.0
	Total	50	100.0	100.0	

CAD

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Moderate	2	4.0	4.0	4.0
	1 VD	10	20.0	20.0	24.0
	2 VD	12	24.0	24.0	48.0
	3 VD	13	26.0	26.0	74.0
	1 VD + LM	1	2.0	2.0	76.0
	2 VD + LM	3	6.0	6.0	82.0
	3 VD + LM	9	18.0	18.0	100.0
	Total	50	100.0	100.0	

CAD_percent

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	<70%	2	4.0	4.0	4.0
	>70%	48	96.0	96.0	100.0
	Total	50	100.0	100.0	

Syntax_kat

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Mild	16	32.0	32.0	32.0
	Moderate	16	32.0	32.0	64.0
	Severe	18	36.0	36.0	100.0
	Total	50	100.0	100.0	

ABI_kat

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Normal range	41	82.0	82.0	82.0
	Some arterial disease	7	14.0	14.0	96.0
	Moderate arterial disease	2	4.0	4.0	100.0
	Total	50	100.0	100.0	

Doppler_Kat

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Mild	22	44.0	44.0	44.0
	Moderate	22	44.0	44.0	88.0
	Severe	6	12.0	12.0	100.0
	Total	50	100.0	100.0	

Syntax_Kat2

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	severe	18	36.0	36.0	36.0
	non-severe	32	64.0	64.0	100.0
	Total	50	100.0	100.0	

ABI_Kat2

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Normal	41	82.0	82.0	82.0

Abnormal	9	18.0	18.0	100.0
Total	50	100.0	100.0	

Doppler_Kat2

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid severe	6	12.0	12.0	12.0
non-severe	44	88.0	88.0	100.0
Total	50	100.0	100.0	

Crosstabs

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
ABI_Kat * Syntax_kat	50	100.0%	0	0.0%	50	100.0%
Doppler_Kat * Syntax_kat	50	100.0%	0	0.0%	50	100.0%

ABI_Kat * Syntax_kat

Crosstab

Count

		Syntax_kat			Total
		Mild	Moderate	Severe	
ABI_Kat	Normal	15	11	15	41
	Mild	1	4	2	7
	moderate	0	1	1	2
Total		16	16	18	50

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	3.744 ^a	4	.442
Likelihood Ratio	4.275	4	.370
Linear-by-Linear Association	.753	1	.386
N of Valid Cases	50		

a. 6 cells (66.7%) have expected count less than 5. The minimum expected count is .64.

Doppler_Kat * Syntax_kat

Crosstab

Count

		Syntax_kat			Total
		Mild	Moderate	Severe	
Doppler_Kat	Mild	14	3	5	22
	Moderate	2	13	7	22
	Severe	0	0	6	6
Total		16	16	18	50

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	29.703 ^a	4	.000
Likelihood Ratio	30.975	4	.000
Linear-by-Linear Association	15.444	1	.000
N of Valid Cases	50		

a. 3 cells (33.3%) have expected count less than 5. The minimum expected count is 1.92.

Kruskal-Wallis Test

Ranks

	Syntax_kat	N	Mean Rank
ABI_Kat	Mild	16	22.50
	Moderate	16	28.78
	Severe	18	25.25
	Total	50	
Doppler_Kat	Mild	16	14.25
	Moderate	16	29.38
	Severe	18	32.06
	Total	50	

Test Statistics^{a,b}

	ABI_Kat	Doppler_Kat
Kruskal-Wallis H	3.349	17.266
df	2	2
Asymp. Sig.	.187	.000

a. Kruskal Wallis Test

b. Grouping Variable: Syntax_kat

Explore

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Syntax	50	100.0%	0	0.0%	50	100.0%
ABI	50	100.0%	0	0.0%	50	100.0%
Doppler	50	100.0%	0	0.0%	50	100.0%

Descriptives

		Statistic	Std. Error	
Syntax	Mean	27.3300	1.54151	
	95% Confidence Interval for Mean	Lower Bound	24.2322	
		Upper Bound	30.4278	
	5% Trimmed Mean	27.5222		
	Median	26.5000		
	Variance	118.812		
	Std. Deviation	10.90011		
	Minimum	4.00		
	Maximum	47.00		
	Range	43.00		
	Interquartile Range	16.50		
	Skewness	-.243	.337	
	Kurtosis	-.724	.662	
ABI	Mean	1.0260	.01955	
	95% Confidence Interval for Mean	Lower Bound	.9867	
		Upper Bound	1.0653	
	5% Trimmed Mean	1.0333		
	Median	1.0000		
	Variance	.019		
	Std. Deviation	.13822		
	Minimum	.70		
	Maximum	1.20		
	Range	.50		
	Interquartile Range	.10		
	Skewness	-.780	.337	
	Kurtosis	-.061	.662	
Doppler	Mean	2.1180	.13534	
	Lower Bound	1.8460		

95% Confidence Interval for Mean	Upper Bound	2.3900	
5% Trimmed Mean		2.0533	
Median		2.1000	
Variance		.916	
Std. Deviation		.95697	
Minimum		1.00	
Maximum		4.40	
Range		3.40	
Interquartile Range		1.13	
Skewness		1.109	.337
Kurtosis		.583	.662

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Syntax	.086	50	.200*	.974	50	.340
ABI	.245	50	.000	.866	50	.000
Doppler	.166	50	.001	.850	50	.000

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

a. Lilliefors Significance Correction

Nonparametric Correlations

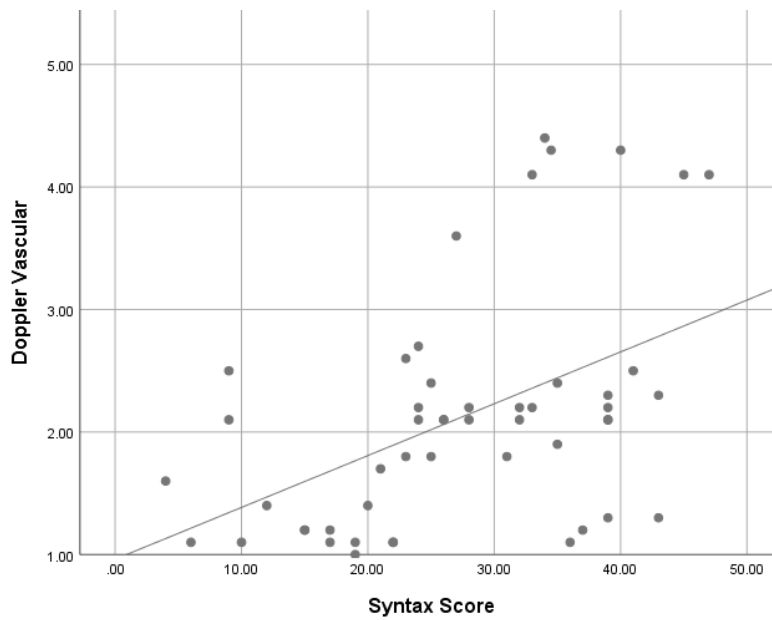
Correlations

			Syntax	ABI	Doppler
Spearman's rho	Syntax	Correlation Coefficient	1.000	-.143	.505**
		Sig. (2-tailed)	.	.322	.000
		N	50	50	50
	ABI	Correlation Coefficient	-.143	1.000	-.236

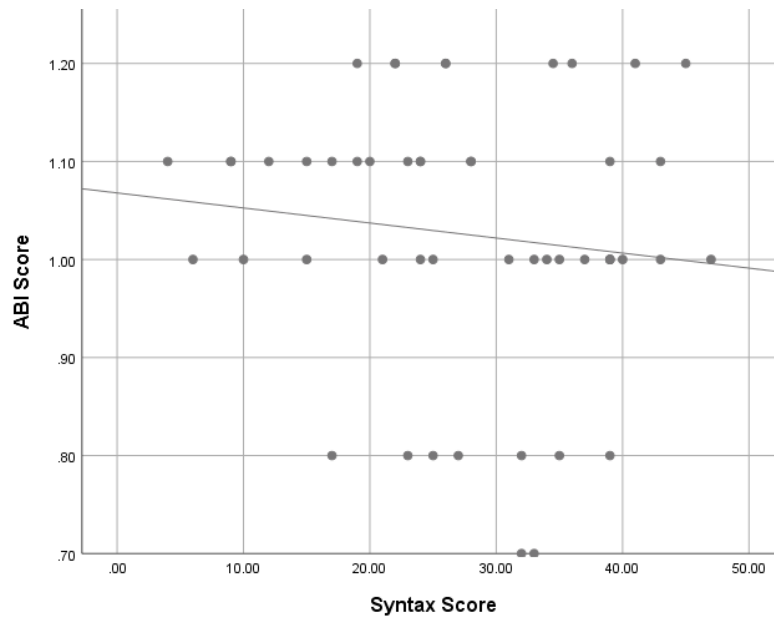
	Sig. (2-tailed)	.322	.	.098
	N	50	50	50
Doppler	Correlation Coefficient	.505**	-.236	1.000
	Sig. (2-tailed)	.000	.098	.
	N	50	50	50

** . Correlation is significant at the 0.01 level (2-tailed).

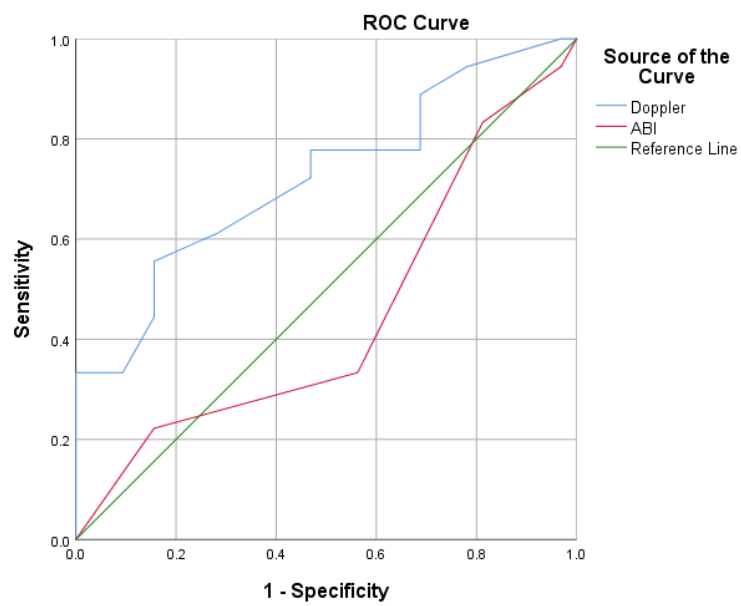
GGraph



GGraph



ROC Curve



Area Under the Curve

Test Result Variable(s)	Area	Std. Error ^a	Asymptotic Sig. ^b	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Doppler	.723	.078	.004	.578	.840
ABI	.555	.088	.525	.407	.695

The test result variable(s): Doppler, ABI has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.

a. Under the nonparametric assumption

b. Null hypothesis: true area = 0.5

Coordinates of the Curve

Test Result Variable(s)	Positive if Greater Than or Equal To ^a	Sensitivity	1 - Specificity
Doppler	.0000	1.000	1.000
	1.0500	1.000	.969
	1.1500	.944	.781
	1.2500	.889	.688
	1.3500	.778	.688
	1.5000	.778	.625
	1.6500	.778	.594
	1.7500	.778	.563
	1.8500	.778	.469
	2.0000	.722	.469
	2.1500	.611	.281
	2.2500	.556	.156
	2.3500	.444	.156
	2.4500	.389	.125
	2.5500	.333	.094
	2.6500	.333	.063
	3.1500	.333	.031
	3.8500	.333	.000
4.2000	.167	.000	
4.3500	.056	.000	

	5.4000	.000	.000
ABI	-.3000	1.000	1.000
	.7500	.944	.969
	.9000	.833	.813
	1.0500	.333	.563
	1.1500	.222	.156
	2.2000	.000	.000

The test result variable(s): Doppler, ABI has at least one tie between the positive actual state group and the negative actual state group.

a. The smallest cutoff value is the minimum observed test value minus 1, and the largest cutoff value is the maximum observed test value plus 1. All the other cutoff values are the averages of two consecutive ordered observed test values.

No	Nama	No RM	Jenis Kelamin	Usia	Syntax score	ABI	Derajat ABI	Joppler Vaskula	Hipertensi	Dyslipidemia	CAD	Merokok
1	Debra	938065	Perempuan	67 Tahun	91/Mild	1,1	Normal	> 21/Moderate	Ya	Ya	Moderate	Tidak
2	Boro	939305	Laki-laki	58 Tahun	34,5/Severe	1,2	Normal	> 4/Severe	Tidak	Ya	3VD	Tidak
3	Ari	940588	Perempuan	69 Tahun	32/Moderate	0,7	Moderate	> 21/Moderate	Ya	Ya	2VD	Tidak
4	Syamsul Hadi	938306	Laki-laki	61 Tahun	17/Mild	0,8	Mild	< 2/Mild	Tidak	Tidak	1VD	Ya
5	M Suwardi	936100	Laki-laki	62 Tahun	28/Moderate	1,1	Normal	> 21/Moderate	Ya	Tidak	3VD	Ya
6	Umar	940368	Laki-laki	53 Tahun	33/Moderate	1,0	Normal	> 21/Moderate	Ya	Tidak	1VD	Ya
7	Abdul Rahman	942224	Laki-laki	53 Tahun	26/Moderate	1,2	Normal	> 21/Moderate	Tidak	Tidak	2VD	Tidak
8	Andarias	872884	Laki-laki	63 Tahun	4/Mild	1,1	Normal	< 2/Mild	Ya	Tidak	1VD	Tidak
9	Abdul Chalik	938689	Laki-laki	49 Tahun	39/Severe	1,0	Normal	> 21/Moderate	Ya	Tidak	2VD	Ya
10	Suwarni	945057	Laki-laki	52 Tahun	28/Moderate	1,1	Normal	> 21/Moderate	Tidak	Ya	2VD	Tidak
11	Mahriah	881407	Perempuan	59 Tahun	24/Moderate	1,1	Normal	> 21/Moderate	Ya	Tidak	2VD	Tidak
12	Dipri	946438	Laki-laki	49 Tahun	41/Severe	1,2	Normal	> 21/Moderate	Ya	Tidak	3VD	Ya
13	Sugiono	944441	Laki-laki	63 Tahun	47/Severe	1,0	Normal	> 4/Severe	Tidak	Tidak	3VD + Left Main	Ya
14	Siti Amah	947265	Perempuan	59 Tahun	15/Mild	1,0	Normal	< 2/Mild	Tidak	Tidak	1VD	Tidak
15	Mardiyah	946891	Laki-laki	82 Tahun	26/Moderate	1,2	Normal	> 21/Moderate	Tidak	Tidak	2VD Left Main	Ya
16	Taufiq	946705	Laki-laki	55 Tahun	43/Severe	1,1	Normal	< 2/Mild	Tidak	Ya	3VD Left Main	Ya
17	Siti Norma	954529	Perempuan	68 Tahun	23/Moderate	0,8	Mild	> 21/Moderate	Ya	Ya	3VD	Tidak
18	Ahmad Firdaus	892998	Laki-laki	56 Tahun	39/Severe	1,0	Normal	> 21/Moderate	Ya	Tidak	3VD	Ya
19	Kartini	91639	Perempuan	55 Tahun	25/Moderate	0,8	Mild	> 21/Moderate	Ya	Tidak	1VD + Left Main	Tidak
20	Sumarni	959032	Perempuan	58 Tahun	22/Mild	1,2	Normal	< 2/Mild	Ya	Ya	2VD	Tidak
21	Harna Sumbu	959380	Perempuan	64 Tahun	25/Moderate	1,0	Normal	< 2/Mild	Ya	Tidak	3VD	Tidak
22	Hasbullah	959384	Laki-laki	60 Tahun	22/Mild	1,2	Normal	< 2/Mild	Tidak	Ya	2VD	Ya
23	Adam	960430	Laki-laki	67 Tahun	32/Moderate	0,8	Mild	> 21/Moderate	Ya	Tidak	3VD	Ya
24	Parhuddin	960656	Laki-laki	55 Tahun	21/Mild	1,0	Normal	< 2/Mild	Ya	Tidak	2VD	Ya
25	Emliana	960671	Laki-laki	44 Tahun	10/Mild	1,0	Normal	< 2/Mild	Ya	Tidak	1VD	Tidak
26	Usman	959878	Laki-laki	76 Tahun	43/Severe	1,0	Normal	> 21/Moderate	Ya	Tidak	3VD + Left Main	Ya
27	Muhajiang	960686	Laki-laki	65 Tahun	31/Moderate	1,0	Normal	< 2/Mild	Ya	Tidak	3VD	Ya
28	Ridwan	961038	Laki-laki	55 Tahun	9/Mild	1,1	Normal	> 21/Moderate	Ya	Tidak	1VD	Ya
29	Hamida	961910	Perempuan	53 Tahun	36/Severe	1,2	Normal	< 2/Mild	Ya	Tidak	3VD + Left Main	Tidak
30	Supriyono	909499	Laki-laki	58 Tahun	19/Mild	1,1	Normal	< 2/Mild	Ya	Tidak	2VD	Tidak
31	Chandra	963468	Laki-laki	35 Tahun	24/Moderate	1,1	Normal	> 21/Moderate	Tidak	Ya	3VD	Ya
32	Muh Yusran	963380	Laki-laki	49 Tahun	35/Severe	0,8	Mild	< 2/Mild	Ya	Ya	3VD + Left Main	Ya
33	Tenna	963417	Perempuan	77 Tahun	27/Moderate	0,8	Mild	> 21/Moderate	Ya	Ya	3VD	Tidak
34	Daniel	905574	Laki-laki	46 Tahun	37/Severe	1,0	Normal	< 1/Mild	Tidak	Ya	3VD + Left Main	Ya
35	M Ali	573109	Laki-laki	59 Tahun	24/Moderate	1,0	Normal	> 21/Moderate	Tidak	Tidak	2VD	Ya
36	Thoeng	964390	Laki-laki	60 Tahun	19/Mild	1,2	Normal	< 2/Mild	Ya	Tidak	1VD	Tidak
37	Ismail	964525	Laki-laki	34 Tahun	17/Mild	1,1	Normal	< 2/Mild	Tidak	Tidak	Moderate	Ya
38	Yonathan	790181	Laki-laki	65 Tahun	35/Severe	1,0	Normal	> 21/Moderate	Tidak	Tidak	3VD	Tidak
39	Nadiah	303364	Perempuan	66 Tahun	39/Severe	1,1	Normal	> 21/Moderate	Ya	Tidak	3VD	Tidak
40	Mardiah	951459	Perempuan	58 Tahun	39/Severe	0,8	Mild	> 21/Moderate	Ya	Tidak	3VD	Tidak
41	Jamaluddin	965746	Laki-laki	61 Tahun	40/Severe	1,0	Normal	> 4/Severe	Ya	Ya	3VD + Left Main	Tidak
42	Yohanis	931298	Laki-laki	58 Tahun	34/Severe	1,0	Normal	> 4/Severe	Tidak	Tidak	2VD + Left Main	Ya
43	Wahyudi	965043	Laki-laki	51 Tahun	20/Mild	1,1	Normal	< 2/Mild	Tidak	Tidak	2VD + Left Main	Ya
44	Juniawan	965044	Laki-laki	55 Tahun	15/Mild	1,1	Normal	< 2/Mild	Tidak	Tidak	1VD	Ya
45	Nasruddin	945964	Laki-laki	50 Tahun	39/Severe	1,0	Normal	< 2/Mild	Tidak	Tidak	3VD + Left Main	Ya
46	Darwis	683179	Laki-laki	65 Tahun	45/Severe	1,2	Normal	> 4/Severe	Ya	Ya	3VD + Left Main	Ya
47	Andi Mappanumpa	969333	Laki-laki	84 Tahun	33/Severe	0,7	Moderate	> 4/Severe	Tidak	Tidak	3VD	Ya
48	Abd wahab	970417	Laki-laki	49 Tahun	23/Moderate	1,1	Normal	< 2/Mild	Tidak	Tidak	2VD	Ya
49	Andi Hamka	43905	Laki-laki	65 Tahun	12/Mild	1,1	Normal	< 2/Mild	Tidak	Tidak	1VD	Ya
50	Ari	965894	Perempuan	48 Tahun	6/Mild	1,0	Normal	< 2/Mild	Ya	Ya	1VD	Tidak