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KEMENTERIAN PENDIDIKAN DAN KEBUDAYAAN  
UNIVERSITAS HASANUDDIN FAKULTAS KEDOKTERAN  
KOMITE ETIK PENELITIAN KESEHATAN  
RSPTN UNIVERSITAS HASANUDDIN

RSUP Dr. WAHIDIN SUDIROHUSODO MAKASSAR

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**REKOMENDASI PERSETUJUAN ETIK**

Nomor : 225/UN4.6.4.5.31/ PP36/ 2020

Tanggal: 9 Maret 2020

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

No Protokol	UH19100812	No Sponsor	
Peneliti Utama	<b>dr. Asni Mustapa</b>	Protokol	
Judul Peneliti	Tes Jalan 6 Menit Sebagai Prediktor Readmisi Pada Pasien Gagal Jantung Kongestif di Pusat Jantung Terpadu RS Dr Wahidin Sudirohusodo Makassar		
No Versi Protokol	2	Tanggal Versi	6 Maret 2020
No Versi PSP	2	Tanggal Versi	6 Maret 2020
Tempat Penelitian	<b>RSUP Dr.Wahidin Sudirohusodo Makassar</b>		
Jenis Review	<input type="checkbox"/> Exempted <input checked="" type="checkbox"/> Expedited <input type="checkbox"/> Fullboard Tanggal	Masa Berlaku <b>9 Maret 2020</b> sampai <b>9 Maret 2021</b>	Frekuensi review lanjutan
Ketua Komisi Etik Penelitian Kesehatan FKUH	Nama <b>Prof.Dr.dr. Suryani As'ad, M.Sc.,Sp.GK (K)</b>	Tanda tangan	
Sekretaris Komisi Etik Penelitian Kesehatan FKUH	Nama <b>dr. Agussalim Bukhari, M.Med.,Ph.D.,Sp.GK (K)</b>	Tanda tangan	

Kewajiban Peneliti Utama:

- Menyerahkan Amandemen Protokol untuk persetujuan sebelum di implementasikan
- Laporan SAE ke Komisi Etik dalam 24 Jam dan dilengkapi dalam 7 hari dan Lapor SUSAR dalam 72
- peneliti Utama menerima laporan
- Laporan Kemajuan (progress report) setiap 6 bulan untuk penelitian resiko tinggi dan setiap
- 6 bulan untuk penelitian resiko rendah
- Laporan akhir setelah Penelitian berakhir
- Laporan penyimpangan dari prokol yang disetujui (protocol deviation / violation)
- Laporan pelanggaran peraturan yang ditentukan



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### Lampiran 1. Data Penelitian

No.	Nama	Nomor Rekam Medik	Umur	Berat Badan	Tinggi Badan	Jenis Kelamin (L/P)	Jarak Tempuh	VO2max	Mets	Readmisi			Total Readmisi
										≤30 hari	31-60 hari	>60 hari	
1	HADIDJAH	850803	56	52	150	P	72	4,1	1,171	1	0	0	1
2	SUHARDIN	883384	61	57	162	L	240	13,92	3,977	0	0	1	1
3	MOH.GAFFAR	882726	59	60	160	L	122	7,204	2,058	0	1	0	1
4	DAUD SP	761682	63	60	159	L	126	7,028	2,008	1	1	0	2
5	MUH.TAHIR	869473	56	65	169	L	328	20,136	5,753	0	0	0	0
6	KAHARUDDIN	862180	49	64	156	L	300	19,132	5,466	1	0	0	1
7	MUH ZAINUDDIN DG EWA	851070	53	74	165	L	264	17,076	4,879	0	1	0	1
8	MINA	883437	53	39	150	P	180	10,216	2,919	1	0	0	1
9	RISMAWATI KARIM	684397	49	40	150	P	260	15,484	4,424	0	1	0	1
10	LUDIA BUBUN	715976	58	50	155	P	221	12,728	3,637	0	1	0	1
11	TAHIR	869473	55	68	169	L	328	20,396	5,827	0	0	0	0
12	ISA	884299	77	35	150	P	288	13,992	3,998	0	0	0	0
13	ABIRATNO	781567	45	70	160	L	380	24,66	7,046	0	1	0	1
14	RAHIM NUHENG	635475	70	60	168	L	280	15,54	4,440	0	0	0	0
15	M FACHRUDDIN	884468	32	76	164	L	320	22,724	6,493	0	1	0	1
16	ARJUNA	436598	63	52	160	L	220	12,252	3,501	0	0	0	0
17	MANSUR	884533	33	70	168	L	308	21,588	6,168	0	0	1	1
18	HALAWATI	223001	78	75	165	P	140	7,088	2,025	0	0	1	1
		795832	53	55	150	L	140	8,648	2,471	1	0	0	1
		884674	52	41	152	P	220	12,824	3,664	1	0	1	2
		858008	42	63	160	L	220	15,008	4,288	0	1	0	1
		761682	55	75	167	L	126	8,64	2,469	1	0	0	1



**Lanjutan Lampiran 1.**

No.	Nama	Nomor Rekam Medik	Umur	Berat Badan	Tinggi Badan	Jenis Kelamin (L/P)	Jarak Tempuh	VO2max	Mets	Readmisi			Total Readmisi
										≤30 hari	31-60 hari	>60 hari	
23	RAMLAH	800327	45	64	163	P	150	10,548	3,014	0	0	1	1
24	ILYAS KADIR	881282	52	59	155	L	280	17,36	4,960	1	1	0	2
25	AMIRUDDIN	854711	54	59	157	L	284	17,392	4,969	0	1	1	2
26	MARHANI	843788	71	58	160	P	280	15,332	4,381	0	0	1	1
27	ARFAN MUNIR	885252	37	41	158	L	72	5,504	1,573	1	0	1	2
28	ABDUL KASANG	885255	63	59	160	L	233	13,396	3,827	0	1	0	1
29	ASNOOR LITA	852333	57	52	158	L	100	5,676	1,622	1	0	1	2
30	NASRUDDIN	885529	59	60	165	L	272	16,204	4,630	0	0	0	0
31	HAMISA	370815	44	45	156	P	280	17,464	4,990	0	0	1	1
32	LASANRAI	870375	81	50	165	L	260	12,676	3,622	1	0	0	1
33	ABDUL MANNAN	861824	65	60	158	L	270	15,46	4,417	0	1	1	2
34	SANENG	885784	64	43	150	P	140	6,88	1,966	0	1	0	1
35	MUHAMMAD AR	536444	60	58	170	L	275	16,176	4,622	0	0	1	1
36	MUSA BANGGULU	886341	55	52	165	L	313	18,664	5,333	0	1	0	1
37	SITTI HADIJAH	832237	74	58	158	P	92	3,74	1,069	1	0	1	2
38	C DG LUKMU	783482	57	53	150	P	260	15,328	4,379	1	0	0	1
39	H ANDI HIKAL	759958	52	78	170	L	560	35,148	10,042	0	0	1	1
40	BEDDU SUMULE	886729	63	60	160	L	310	18,068	5,162	0	0	0	0
41	MUSITI	706506	73	34	145	P	160	6,676	1,907	0	1	0	1
42	MUH ALI	455118	44	72	165	L	343	22,648	6,471	1	1	0	2
43	CHAIRUL MULUK	887302	41	70	178	L	198	14,156	4,045	0	1	0	1
		887318	38	61	157	P	280	18,92	5,406	0	0	1	1



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**Lanjutan Lampiran 1.**

No.	Nama	Nomor Rekam Medik	Umur	Berat Badan	Tinggi Badan	Jenis Kelamin (L/P)	Jarak Tempuh	VO2max	Mets	Readmisi			Total Readmisi
										≤30 hari	31-60 hari	>60 hari	
45	HATIDJAH DG BAJI	877293	64	58	160	P	260	14,86	4,246	0	0	0	0
46	A. RUGAYA	879333	62	55	158	P	230	13,112	3,746	0	1	0	1
47	ROMY MARTHEN	887450	33	75	168	L	400	27,368	7,819	0	0	1	1
48	MAJERIHA	787633	66	59	158	L	105	5,404	1,544	0	1	0	1
49	WIWING	531429	27	61	160	L	201	15,324	4,378	1	0	0	1
50	MUH FAISAL MUNAWAR	860715	43	65	162	L	241	16,268	4,648	1	0	0	1
51	MUCHTAR	784697	62	55	160	L	280	16,112	4,603	0	0	0	0
52	MUZAKKAR	235727	69	55	165	L	280	15,384	4,395	0	1	0	1
53	JAMALUDIN	847227	50	55	165	L	120	7,76	2,217	1	0	0	1
54	HJ NURMI HASAN	804773	69	53	152	P	210	11,08	3,166	0	0	1	1
55	HASNAH	888499	55	51	155	P	90	5,232	1,495	1	0	1	2
56	USMAN AP	868279	61	59	160	L	120	6,824	1,950	0	1	0	1
57	SUCHYAR	845959	66	58	160	L	191	10,512	3,003	1	1	1	3
58	MUSLIMIN	888973	42	66	164	L	360	23,564	6,733	0	0	1	1
59	HJ ABD RAHMAN	889950	63	60	160	L	200	11,468	3,277	0	1	0	1
60	KAMBE	397528	69	62	164	L	170	9,148	2,614	1	1	0	2
61	HENDRIK SAMPEPADANG	796372	66	58	158	L	160	8,652	2,472	2	1	1	4
62	HASNAH	888443	55	50	152	P	90	5,18	1,480	2	1	0	3
63	HAMDANA	885663	59	56	159	P	240	14,076	4,022	0	0	1	1
64		370815	64	46	152	P	250	13,636	3,896	0	0	0	0
65		890304	65	50	157	P	121	6	1,714	1	0	0	1
66		387633	56	48	156	P	105	5,872	1,678	1	0	0	1





**Lanjutan Lampiran 1.**

No.	Nama	Nomor Rekam Medik	Umur	Berat Badan	Tinggi Badan	Jenis Kelamin (L/P)	Jarak Tempuh	VO2max	Mets	Readmisi			Total Readmisi
										≤30 hari	31-60 hari	>60 hari	
67	MUSITI	706506	59	52	158	P	160	9,068	2,591	0	1	0	1
68	SITTI FATIMAH	887420	53	47	154	P	150	8,832	2,523	1	0	0	1
69	RAHMAN	889950	60	57	160	L	200	11,624	3,321	0	0	0	0
70	HARUN ABU	880743	59	61	162	L	150	8,936	2,553	0	1	0	1
71	DJAMALUDDIN	460033	63	64	165	L	249	14,616	4,176	0	0	0	0
72	ERLY	894156	57	50	155	L	250	14,572	4,163	0	1	0	1
73	NORMA	842824	56	55	155	P	172	10,256	2,930	0	0	0	0
74	DAHNIATI	747619	48	55	158	P	201	12,828	3,665	0	0	0	0
75	JUNAIDAH	884950	49	54	152	P	72	4,932	1,409	0	0	0	0
76	JAMIL KR BULU	890646	61	57	160	L	180	10,32	2,949	0	1	0	1
77	MUKARRAMA	390263	58	49	152	P	206	11,776	3,365	0	0	0	0
78	RUSTAM	892373	49	52	161	L	331	20,368	5,819	0	0	0	0
79	HJ. SIA	536413	57	53	154	P	162	9,448	2,699	1	0	0	1
80	ANDI HERMAN	445860	53	63	164	L	38	2,944	0,841	1	1	0	2
81	IRMAYANA	846492	51	62	157	P	242	15,34	4,383	1	1	0	2
82	NURLINA	382478	52	54	155	P	312	19,02	5,434	0	1	0	1
83	SYARIFUDDIN S	821527	53	64	163	L	326	20,276	5,793	0	0	0	0
84	YAHYA R. KUSUMA	711212	59	72	170	L	256	15,868	4,534	0	0	1	1
85	SITTI CHAERAWATI	744893	63	60	158	P	346	20,228	5,779	0	0	0	0
86	ASRI NURYADIN	768387	49	59	165	L	310	19,472	5,563	0	0	0	0
87	HASAN	894663	58	65	172	L	424	25,688	7,339	0	0	0	0
88		895518	52	46	150	P	221	13,144	3,755	0	0	0	0
91		898098	55	58	156	P	250	15,196	4,342	0	0	0	0
92		899718	51	47	150	L	200	12,04	3,440	0	0	0	0
93		686548	62	56	160	L	253	14,544	4,155	0	0	1	1



Optimization Software:  
www.balesio.com

**Lampiran 2. Hasil Analisis SPSS**

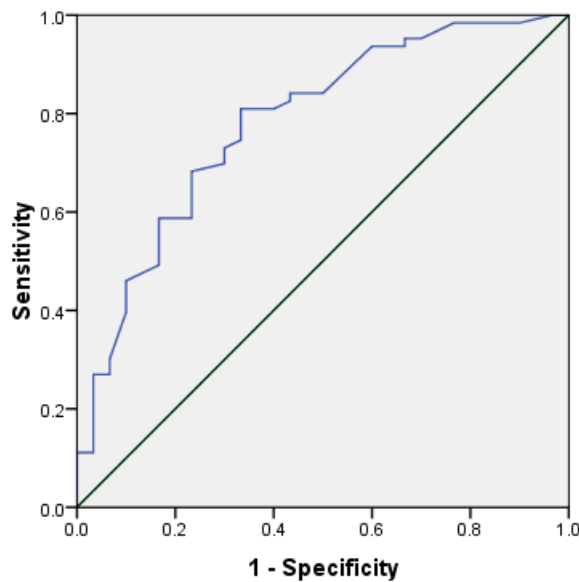
**Case Processing Summary**

≤30	Valid N (listwise)
Positive <sup>a</sup>	63
Negative	30

Larger values of the test result variable(s) indicate stronger evidence for a positive actual state.

a. The positive actual state is 0.

**ROC Curve**



**Area Under the Curve**

Test Result Variable(s):JT

Area	Std. Error <sup>a</sup>	Asymptotic Sig. <sup>b</sup>	Asymptotic 95% Confidence Interval	
			Lower Bound	Upper Bound
	.051	.001	.681	.882



The test result variable(s): JT 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):JT

Positive if Greater Than or Equal To <sup>a</sup>	Sensitivity	1 - Specificity
37.0000	1.000	1.000
55.0000	1.000	.967
81.0000	.984	.900
91.0000	.984	.833
96.0000	.984	.800
102.5000	.984	.767
112.5000	.968	.733
120.5000	.952	.700
121.5000	.952	.667
124.0000	.937	.667
133.0000	.937	.600
145.0000	.905	.567
155.0000	.873	.533
161.0000	.841	.500
166.0000	.841	.467
171.0000	.841	.433
000	.825	.433
000	.810	.400
000	.810	.367



194.5000	.810	.333
199.0000	.794	.333
200.5000	.746	.333
203.5000	.730	.300
208.0000	.714	.300
215.0000	.698	.300
220.5000	.683	.233
225.5000	.651	.233
231.5000	.635	.233
236.5000	.619	.233
240.5000	.587	.233
241.5000	.587	.200
245.5000	.587	.167
249.5000	.571	.167
251.5000	.524	.167
254.5000	.508	.167
258.0000	.492	.167
262.0000	.460	.100
267.0000	.444	.100
271.0000	.429	.100
273.5000	.413	.100
277.5000	.397	.100
282.0000	.302	.067
286.0000	.286	.067
294.0000	.270	.067
304.0000	.270	.033
309.0000	.254	.033
310.0000	.222	.033
311.0000	.206	.033



316.5000	.190	.033
323.0000	.175	.033
327.0000	.159	.033
329.5000	.127	.033
337.0000	.111	.033
344.5000	.111	.000
353.0000	.095	.000
370.0000	.079	.000
390.0000	.063	.000
412.0000	.048	.000
445.5000	.032	.000
513.5000	.016	.000
561.0000	.000	.000

The test result variable(s): JT 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.



## ROC Curve

### Notes

Output Created		19-Apr-2020 09:22:38
Comments		
Input	Data	E:\Berkas Ibu\SPSS EDIT.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	93
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the analysis.
Syntax		ROC VO2max BY RD1 (0) /PLOT=CURVE(REFERENCE) /PRINT=SE COORDINATES /CRITERIA=CUTOFF(INCLUDE) TESTPOS(LARGE) DISTRIBUTION(FREE) CI(95) /MISSING=EXCLUDE.
Resources	Processor Time	00:00:00.157
	Elapsed Time	00:00:00.141

[DataSet1] E:\Berkas Ibu\SPSS EDIT.sav

### Case Processing Summary

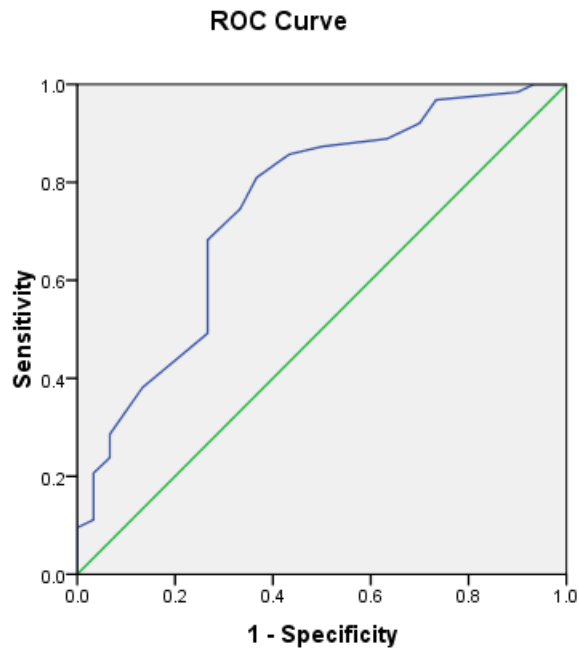
RD1	Valid N (listwise)
Positive <sup>a</sup>	63
Negative	30



Optimization Software:  
[www.balesio.com](http://www.balesio.com)

Larger values of the test result variable(s) indicate stronger evidence for a positive actual state.

a. The positive actual state is 0.



Diagonal segments are produced by ties.

**Area Under the Curve**

Test Result Variable(s):VO2max

Area	Std. Error <sup>a</sup>	Asymptotic Sig. <sup>b</sup>	Asymptotic 95% Confidence Interval	
			Lower Bound	Upper Bound
.750	.056	.000	.640	.859

The test result variable(s): VO2max 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):VO2max

Positive if Greater Than or Equal To <sup>a</sup>	Sensitivity	1 - Specificity
1.0000	1.000	1.000
2.5000	1.000	.967
3.5000	1.000	.933
4.5000	.984	.900
5.5000	.968	.733
6.5000	.921	.700
7.5000	.889	.633
8.5000	.873	.500
9.5000	.857	.433
10.5000	.810	.367
11.5000	.746	.333
12.5000	.683	.267
13.5000	.587	.267
14.5000	.492	.267
15.5000	.381	.133
16.5000	.333	.100
17.5000	.286	.067
18.5000	.238	.067
19.5000	.206	.033
20.5000	.127	.033
21.5000	.111	.033
22.5000	.095	.000
23.5000	.079	.000
24.5000	.063	.000
26.0000	.048	.000
27.5000	.032	.000
31.5000	.016	.000
	.000	.000





```

ROC Mets BY RD1 (0)
/PLOT=CURVE(REFERENCE)
/PRINT=SE COORDINATES
/CRITERIA=CUTOFF(INCLUDE) TESTPOS(LARGE) DISTRIBUTION(FREE) CI(95)

/MISSING=EXCLUDE.

```

## ROC Curve

### Notes

Output Created	19-Apr-2020 08:12:13	
Comments		
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	Active Dataset	DataSet1
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	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	93
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the analysis.
Syntax	ROC Mets BY RD1 (0) /PLOT=CURVE(REFERENCE) /PRINT=SE COORDINATES /CRITERIA=CUTOFF(INCLUDE) TESTPOS(LARGE) DISTRIBUTION(FREE) CI(95) /MISSING=EXCLUDE.	
Resources	Processor Time	00:00:00.125
	Elapsed Time	00:00:00.125

[DataSet1] E:\Berkas Ibu\SPSS EDIT.sav



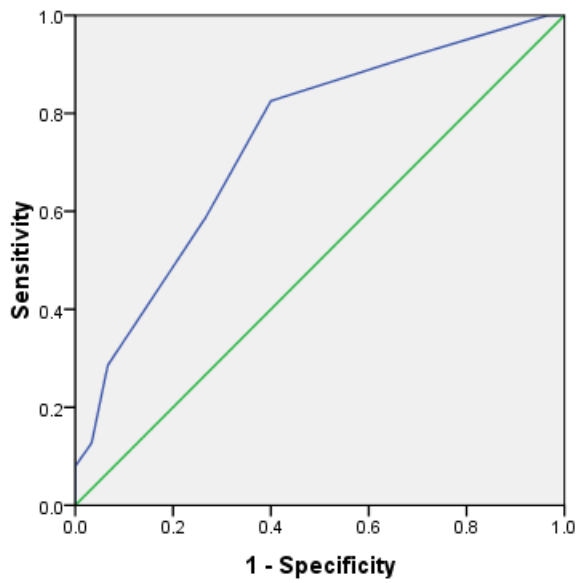
**Case Processing Summary**

RD1	Valid N (listwise)
Positive <sup>a</sup>	63
Negative	30

Larger values of the test result variable(s) indicate stronger evidence for a positive actual state.

a. The positive actual state is 0.

**ROC Curve**



Diagonal segments are produced by ties.

**Area Under the Curve**

Test Result Variable(s):Mets

	Error <sup>a</sup>	Asymptotic Sig. <sup>b</sup>	Asymptotic 95% Confidence Interval	
			Lower Bound	Upper Bound
	.055	.000	.634	.852

Variable(s): Mets has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.

Asymptotic assumption



### Area Under the Curve

Test Result Variable(s):Mets

Area	Std. Error <sup>a</sup>	Asymptotic Sig. <sup>b</sup>	Asymptotic 95% Confidence Interval	
			Lower Bound	Upper Bound
.743	.055	.000	.634	.852

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

b. Null hypothesis: true area = 0.5

### Coordinates of the Curve

Test Result Variable(s):Mets

Positive if Greater Than or Equal To <sup>a</sup>	Sensitivity	1 - Specificity
-1.0000	1.000	1.000
.5000	1.000	.967
1.5000	.921	.700
2.5000	.825	.400
3.5000	.587	.267
4.5000	.286	.067
5.5000	.127	.033
6.5000	.079	.000
7.5000	.032	.000
9.0000	.016	.000
11.0000	.000	.000

The test result variable(s): Mets 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.



## Data Analisis Hubungan Jarak 6MWT dengan Umur

### Model Summary

R	R Square	Adjusted R Square	Std. Error of the Estimate
.204	.041	.031	9.977

The independent variable is JT.

### ANOVA

	Sum of Squares	df	Mean Square	F	Sig.
Regression	391.943	1	391.943	3.937	.050
Residual	9058.981	91	99.549		
Total	9450.925	92			

The independent variable is JT.

### Coefficients

	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
JT	-.022	.011	-.204	-1.984	.050
(Constant)	61.190	2.763		22.150	.000



## Data Analisis Hubungan Jarak 6MWT dengan Tinggi Badan

### Model Summary

R	R Square	Adjusted R Square	Std. Error of the Estimate
.381	.145	.136	5.658

The independent variable is JT.

### ANOVA

	Sum of Squares	df	Mean Square	F	Sig.
Regression	496.007	1	496.007	15.494	.000
Residual	2913.218	91	32.013		
Total	3409.226	92			

The independent variable is JT.

### Coefficients

	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
JT	.025	.006	.381	3.936	.000
(Constant)	153.766	1.567		98.153	.000



## Data Analisis Hubungan Jarak 6MWT dengan Berat Badan

### Model Summary

R	R Square	Adjusted R Square	Std. Error of the Estimate
.359	.129	.119	8.499

The independent variable is JT.

### ANOVA

	Sum of Squares	df	Mean Square	F	Sig.
Regression	971.950	1	971.950	13.457	.000
Residual	6572.523	91	72.226		
Total	7544.473	92			

The independent variable is JT.

### Coefficients

	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
JT	.035	.010	.359	3.668	.000
(Constant)	49.405	2.353		20.996	.000



## Data Analisis Hubungan Jarak 6MWT dengan Jenis Kelamin

### Model Summary

R	R Square	Adjusted R Square	Std. Error of the Estimate
.265	.070	.060	89.897

The independent variable is JK.

### ANOVA

	Sum of Squares	df	Mean Square	F	Sig.
Regression	55461.698	1	55461.698	6.863	.010
Residual	735406.259	91	8081.387		
Total	790867.957	92			

The independent variable is JK.

### Coefficients

	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
JK	-50.136	19.138	-.265	-2.620	.010
(Constant)	297.855	28.135		10.587	.000



## Data Analisis Hubungan VO2max dengan Umur

### Model Summary

R	R Square	Adjusted R Square	Std. Error of the Estimate
.379	.144	.134	9.431

The independent variable is VO2max.

### ANOVA

	Sum of Squares	df	Mean Square	F	Sig.
Regression	1356.387	1	1356.387	15.249	.000
Residual	8094.538	91	88.951		
Total	9450.925	92			

The independent variable is VO2max.

### Coefficients

	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
VO2max	-.630	.161	-.379	-3.905	.000
(Constant)	64.481	2.357		27.360	.000





## Data Analisis Hubungan VO2max dengan Tinggi Badan

### Model Summary

R	R Square	Adjusted R Square	Std. Error of the Estimate
.432	.187	.178	5.520

The independent variable is VO2max.

### ANOVA

	Sum of Squares	df	Mean Square	F	Sig.
Regression	636.620	1	636.620	20.895	.000
Residual	2772.605	91	30.468		
Total	3409.226	92			

The independent variable is VO2max.

### Coefficients

	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
VO2max	.432	.094	.432	4.571	.000
(Constant)	153.747	1.379		111.466	.000



## Data Analisis Hubungan VO2max dengan Berat Badan

### Model Summary

R	R Square	Adjusted R Square	Std. Error of the Estimate
.458	.209	.201	8.096

The independent variable is VO2max.

### ANOVA

	Sum of Squares	df	Mean Square	F	Sig.
Regression	1580.501	1	1580.501	24.116	.000
Residual	5963.972	91	65.538		
Total	7544.473	92			

The independent variable is VO2max.

### Coefficients

	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
VO2max	.680	.138	.458	4.911	.000
(Constant)	48.370	2.023		23.911	.000



## Data Analisis Hubungan VO2max dengan Jenis Kelamin

### Model Summary

R	R Square	Adjusted R Square	Std. Error of the Estimate
.308	.095	.085	.469

The independent variable is VO2max.

### ANOVA

	Sum of Squares	df	Mean Square	F	Sig.
Regression	2.087	1	2.087	9.507	.003
Residual	19.977	91	.220		
Total	22.065	92			

The independent variable is VO2max.

### Coefficients

	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
VO2max	-.025	.008	-.308	-3.083	.003
(Constant)	1.716	.117		14.653	.000



## Data Analisis Hubungan Mets dengan Umur

### Model Summary

R	R Square	Adjusted R Square	Std. Error of the Estimate
.377	.142	.133	9.437

The independent variable is Mets.

### ANOVA

	Sum of Squares	df	Mean Square	F	Sig.
Regression	1346.199	1	1346.199	15.115	.000
Residual	8104.726	91	89.063		
Total	9450.925	92			

The independent variable is Mets.

### Coefficients

	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
Mets	-2.167	.557	-.377	-3.888	.000
(Constant)	63.518	2.143		29.646	.000



## Data Analisis Hubungan Mets dengan Tinggi Badan

### Model Summary

R	R Square	Adjusted R Square	Std. Error of the Estimate
.459	.211	.202	5.437

The independent variable is Mets.

### ANOVA

	Sum of Squares	df	Mean Square	F	Sig.
Regression	719.472	1	719.472	24.341	.000
Residual	2689.754	91	29.558		
Total	3409.226	92			

The independent variable is Mets.

### Coefficients

	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
Mets	1.584	.321	.459	4.934	.000
	67	1.234		124.823	.000



## Data Analisis Hubungan Mets dengan Berat Badan

### Model Summary

R	R Square	Adjusted R Square	Std. Error of the Estimate
.495	.245	.237	7.911

The independent variable is Mets.

### ANOVA

	Sum of Squares	df	Mean Square	F	Sig.
Regression	1849.248	1	1849.248	29.548	.000
Residual	5695.225	91	62.585		
Total	7544.473	92			

The independent variable is Mets.

### Coefficients

	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
Mets	2.540	.467	.495	5.436	.000
(Constant)	48.724	1.796		27.128	.000



## Data Analisis Hubungan Mets dengan Jenis Kelamin

### Model Summary

R	R Square	Adjusted R Square	Std. Error of the Estimate
.316	.100	.090	.467

The independent variable is Mets.

### ANOVA

	Sum of Squares	df	Mean Square	F	Sig.
Regression	2.197	1	2.197	10.065	.002
Residual	19.867	91	.218		
Total	22.065	92			

The independent variable is Mets.

### Coefficients

	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
Mets	-.088	.028	-.316	-3.172	.002
(Constant)	1.686	.106		15.898	.000

