

BAB VI

KESIMPULAN DAN SARAN

A. Kesimpulan

1. Terdapat perbedaan nilai PT dan aPTT antara remaja obese dan remaja dengan berat badan normal dimana nilai PT dan aPTT pada remaja obese cenderung lebih memendek daripada remaja berat badan normal. Meskipun nilai PT dan aPTT pada kedua kelompok masih dalam batas normal
2. Terdapat korelasi negatif antara IMT dengan nilai PT. Makin tinggi IMT maka nilai PT semakin memendek
3. Terdapat korelasi negatif antara lingkar pinggang dengan nilai PT. Makin tinggi lingkar pinggang maka nilai PT semakin memendek. Lingkar pinggang memiliki korelasi yang paling besar terhadap pemendekan nilai PT dibandingkan IMT.
4. Tidak ada korelasi antara IMT dan LP dengan nilai aPTT

B. Saran

1. Memberikan konseling kepada remaja obese mengenai resiko terjadinya gangguan pembekuan darah Pada remaja obesitas terutama obesitas sentral.
2. Perlu dilakukan pemeriksaan penanda terjadinya sindrom metabolik.
3. Perlu penelitian lanjut mengenai hubungan kejadian status hiperkoagulasi pada remaja obese dengan menyertai parameter yang lain seperti kadar PAI-1, D-Dimer, protein C dan S serta Fibrinogen

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LAMPIRAN HASIL SPSS

Statistics

		Umur	Berat Badan	Tinggi Badan	IMT (Kg/m2)	Lingkar Pinggang	Prothrombine time	Activated Partial Thromboplastin Time
N	Valid	49	49	49	49	49	49	49
	Missing	0	0	0	0	0	0	0
	Mean	15.651	73.06	1.6814	25.6160	89.02	13.449	32.365
	Median	15.600	74.00	1.6700	27.6601	88.00	13.400	32.300
	Std. Deviation	.4487	17.873	.08970	5.37832	17.303	.7148	3.0868
	Variance	.201	319.434	.008	28.926	299.395	.511	9.528
	Skewness	1.644	.292	.743	.079	.368	.082	.470
	Std. Error of Skewness	.340	.340	.340	.340	.340	.340	.340
	Kurtosis	4.697	-.175	2.489	-.348	-1.025	-.034	1.611
	Std. Error of Kurtosis	.668	.668	.668	.668	.668	.668	.668
	Range	2.5	83	.50	23.83	60	3.5	15.8
	Minimum	15.0	36	1.50	16.00	63	11.7	26.4
	Maximum	17.5	119	2.00	39.83	123	15.2	42.2

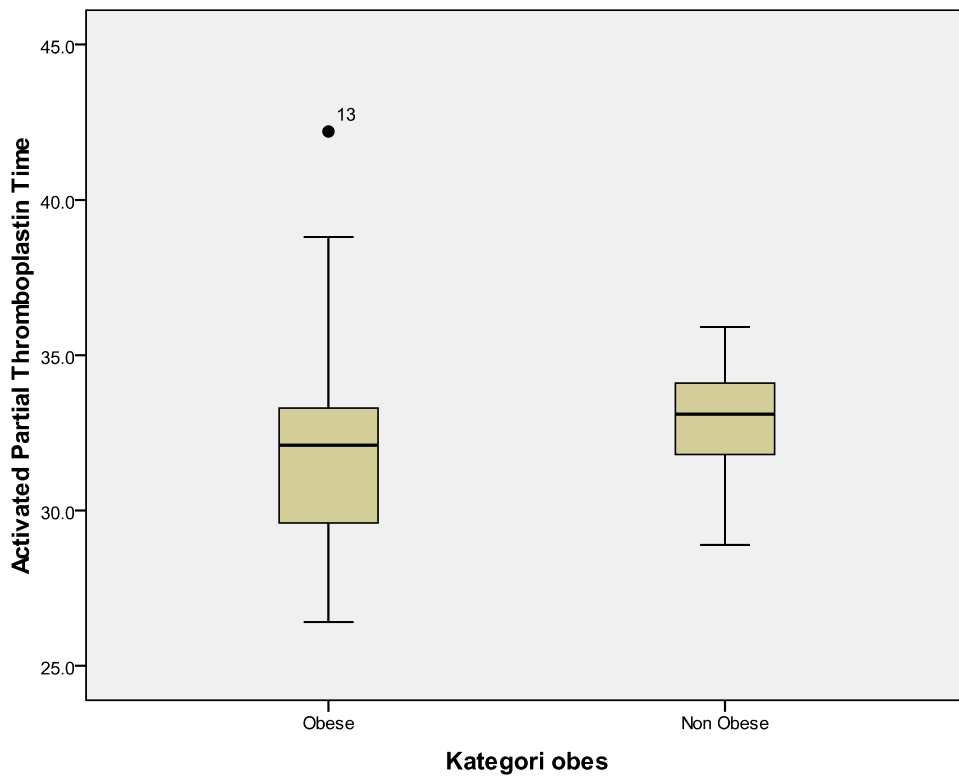
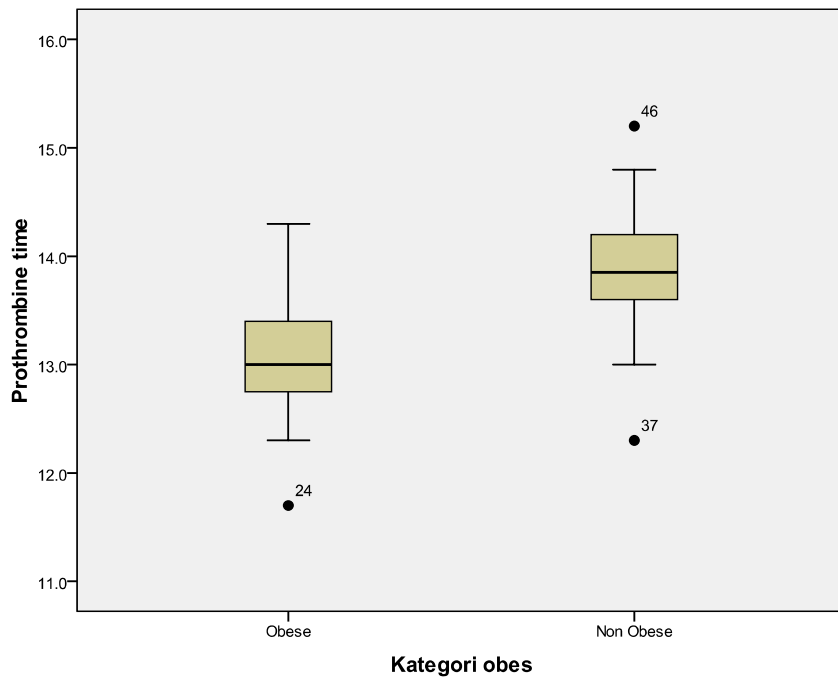
Test distribusi normal

Tests of Normality

	Kategori obes	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Prothrombine time	Obese	.092	27	.200*	.974	27	.701
	Non Obese	.204	22	.017	.957	22	.438
Activated Partial Thromboplastin Time	Obese	.145	27	.150	.932	27	.076
	Non Obese	.138	22	.200*	.938	22	.182

a. Lilliefors Significance Correction

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



Descriptives

Kategori obes			Statistic	Std. Error		
Prothrombine time	Obese	Mean	13.111	.1146		
		95% Confidence Interval for Mean	Lower Bound	12.875		
			Upper Bound	13.347		
		5% Trimmed Mean	13.115			
		Median	13.000			
		Variance	.355			
		Std. Deviation	.5957			
		Minimum	11.7			
		Maximum	14.3			
		Range	2.6			
		Interquartile Range	.7			
		Skewness	.121	.448		
		Kurtosis	.344	.872		
		Activated Partial	Non Obese	Mean	13.864	.1351
				95% Confidence Interval for Mean	Lower Bound	13.583
Upper Bound	14.145					
5% Trimmed Mean	13.875					
Median	13.850					
Variance	.401					
Std. Deviation	.6336					
Minimum	12.3					
Maximum	15.2					
Range	2.9					
Interquartile Range	.7					
Skewness	-.185			.491		
Kurtosis	1.078			.953		
Activated Partial	Obese			Mean	31.922	.7359

Thromboplastin Time	95% Confidence Interval for Mean	Lower Bound	30.410	
		Upper Bound	33.435	
	5% Trimmed Mean		31.707	
	Median		32.100	
	Variance		14.620	
	Std. Deviation		3.8236	
	Minimum		26.4	
	Maximum		42.2	
	Range		15.8	
	Interquartile Range		4.1	
	Skewness		.824	.448
	Kurtosis		1.019	.872
	Non Obese	Mean		32.909
	95% Confidence Interval for Mean	Lower Bound	32.127	
		Upper Bound	33.692	
	5% Trimmed Mean		32.967	
	Median		33.100	
	Variance		3.115	
	Std. Deviation		1.7650	
	Minimum		28.9	
	Maximum		35.9	
	Range		7.0	
	Interquartile Range		2.3	
	Skewness		-.707	.491
	Kurtosis		.744	.953

T-Test

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
Prothrombine time	Equal variances assumed	.058	.811	-4.275	47	.000	-.7525	.1760	-1.1067	-.3984
	Equal variances not assumed			-4.247	43.794	.000	-.7525	.1772	-1.1097	-.3954
Activated Partial Thromboplastin Time	Equal variances assumed	5.431	.024	-1.116	47	.270	-.9869	.8843	-2.7659	.7921
	Equal variances not assumed			-1.194	38.146	.240	-.9869	.8265	-2.6598	.6861

Cross Tab PT

PT_1 * Kategori obes Crosstabulation

			Kategori obes		Total
			Obese	Non Obese	
PT_1	1.00	Count	27	18	45
		Expected Count	24.8	20.2	45.0
		% within PT_1	60.0%	40.0%	100.0%
		% within Kategori obes	100.0%	81.8%	91.8%
		% of Total	55.1%	36.7%	91.8%
	2.00	Count	0	4	4
		Expected Count	2.2	1.8	4.0
		% within PT_1	.0%	100.0%	100.0%
		% within Kategori obes	.0%	18.2%	8.2%
		% of Total	.0%	8.2%	8.2%
Total		Count	27	22	49
		Expected Count	27.0	22.0	49.0
		% within PT_1	55.1%	44.9%	100.0%
		% within Kategori obes	100.0%	100.0%	100.0%
		% of Total	55.1%	44.9%	100.0%

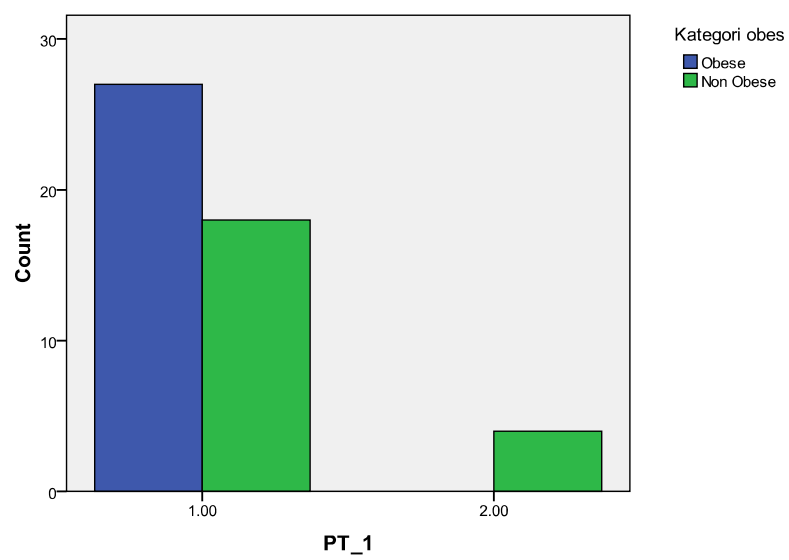
Fisher Test

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	5.345 ^a	1	.021		
Continuity Correction ^b	3.195	1	.074		
Likelihood Ratio	6.846	1	.009		
Fisher's Exact Test				.035	.035
Linear-by-Linear Association	5.236	1	.022		
N of Valid Cases	49				

a. 2 cells (50.0%) have expected count less than 5. The minimum expected count is 1.80.

Bar Chart



CrossTab aPTT

aPTT_1 * Kategori obes Crosstabulation

			Kategori obes		Total
			Obese	Non Obese	
aPTT_1	1.00	Count	24	22	46
		Expected Count	25.3	20.7	46.0
		% within aPTT_1	52.2%	47.8%	100.0%
		% within Kategori obes	88.9%	100.0%	93.9%
		% of Total	49.0%	44.9%	93.9%
	2.00	Count	3	0	3
		Expected Count	1.7	1.3	3.0
		% within aPTT_1	100.0%	.0%	100.0%
		% within Kategori obes	11.1%	.0%	6.1%
		% of Total	6.1%	.0%	6.1%
Total	Count	27	22	49	
	Expected Count	27.0	22.0	49.0	
	% within aPTT_1	55.1%	44.9%	100.0%	
	% within Kategori obes	100.0%	100.0%	100.0%	

aPTT_1 * Kategori obes Crosstabulation

			Kategori obes		Total
			Obese	Non Obese	
aPTT_1	1.00	Count	24	22	46
		Expected Count	25.3	20.7	46.0
		% within aPTT_1	52.2%	47.8%	100.0%
		% within Kategori obes	88.9%	100.0%	93.9%
		% of Total	49.0%	44.9%	93.9%
	2.00	Count	3	0	3
		Expected Count	1.7	1.3	3.0
		% within aPTT_1	100.0%	.0%	100.0%
		% within Kategori obes	11.1%	.0%	6.1%
		% of Total	6.1%	.0%	6.1%
Total		Count	27	22	49
		Expected Count	27.0	22.0	49.0
		% within aPTT_1	55.1%	44.9%	100.0%
		% within Kategori obes	100.0%	100.0%	100.0%
		% of Total	55.1%	44.9%	100.0%

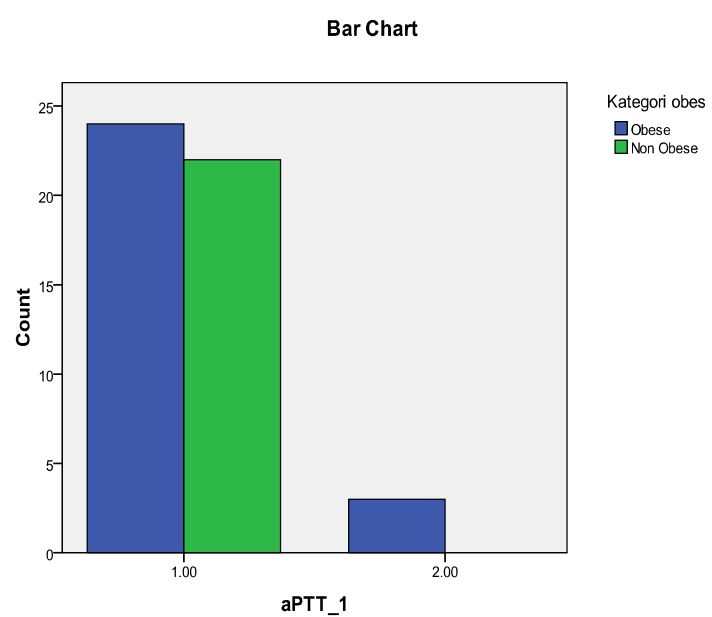
Fisher Test

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	2.604 ^a	1	.107		
Continuity Correction ^b	1.030	1	.310		
Likelihood Ratio	3.735	1	.053		
Fisher's Exact Test				.242	.159
Linear-by-Linear Association	2.551	1	.110		
N of Valid Cases	49				

a. 2 cells (50.0%) have expected count less than 5. The minimum expected count is 1.35.

b. Computed only for a 2x2 table



Uji distribusi normal untuk korelasi

One-Sample Kolmogorov-Smirnov Test

	Lingkar Pinggang	IMT (Kg/m ²)	Prothrombine time	Activated Partial Thromboplastin Time
N	49	49	49	49
Normal Parameters ^{a,b}	Mean	89.02	25.6160	13.449
	Std. Deviation	17.303	5.37832	.7148
Most Extreme Differences	Absolute	.113	.171	.101
	Positive	.113	.089	.101
	Negative	-.075	-.171	-.096
Kolmogorov-Smirnov Z	.794	1.196	.705	.933
Asymp. Sig. (2-tailed)	.554	.114	.702	.349

a. Test distribution is Normal.

b. Calculated from data.

Uji korelasi

Correlations

		Lingkar Pinggang	IMT (Kg/m2)	Prothrombine time	Activated Partial Thromboplastin Time
Lingkar Pinggang	Pearson Correlation	1	.814**	-.607**	-.154
	Sig. (1-tailed)		.000	.000	.145
	N	49	49	49	49
IMT (Kg/m2)	Pearson Correlation	.814**	1	-.537**	-.025
	Sig. (1-tailed)	.000		.000	.431
	N	49	49	49	49
Prothrombine time	Pearson Correlation	-.607**	-.537**	1	.300*
	Sig. (1-tailed)	.000	.000		.018
	N	49	49	49	49
Activated Partial Thromboplastin Time	Pearson Correlation	-.154	-.025	.300*	1
	Sig. (1-tailed)	.145	.431	.018	
	N	49	49	49	49

** . Correlation is significant at the 0.01 level (1-tailed).

* . Correlation is significant at the 0.05 level (1-tailed).

Regresi

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.612 ^a	.374	.347	.5777

a. Predictors: (Constant), IMT (Kg/m2), Lingkar Pinggang

ANOVA^b

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	9.172	2	4.586	13.744	.000 ^a
	Residual	15.350	46	.334		
	Total	24.522	48			

a. Predictors: (Constant), IMT (Kg/m2), Lingkar Pinggang

b. Dependent Variable: Prothrombine time

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	T	Sig.
		B	Std. Error	Beta		
1	(Constant)	15.734	.445		35.388	.000
	Lingkar Pinggang	-.021	.008	-.505	-2.516	.015
	IMT (Kg/m2)	-.017	.027	-.126	-.628	.533

a. Dependent Variable: Prothrombine time