

Lampiran 1. Data Statistik

Case Processing Summary

	outcome	Cases					
		Valid		Missing		Total	
		N	Percent	N	Percent	N	Percent
usia	sembuh	57	100.0%	0	0.0%	57	100.0%
	meninggal	23	100.0%	0	0.0%	23	100.0%
onset	sembuh	57	100.0%	0	0.0%	57	100.0%
	meninggal	23	100.0%	0	0.0%	23	100.0%
NLR	sembuh	57	100.0%	0	0.0%	57	100.0%
	meninggal	23	100.0%	0	0.0%	23	100.0%
ALC	sembuh	57	100.0%	0	0.0%	57	100.0%
	meninggal	23	100.0%	0	0.0%	23	100.0%
CRP	sembuh	57	100.0%	0	0.0%	57	100.0%
	meninggal	23	100.0%	0	0.0%	23	100.0%
Limfosit	sembuh	57	100.0%	0	0.0%	57	100.0%
	meninggal	23	100.0%	0	0.0%	23	100.0%
Leukosit	sembuh	57	100.0%	0	0.0%	57	100.0%
	meninggal	23	100.0%	0	0.0%	23	100.0%
IL6	sembuh	57	100.0%	0	0.0%	57	100.0%
	meninggal	23	100.0%	0	0.0%	23	100.0%
Lama_Rawat_Inap	sembuh	57	100.0%	0	0.0%	57	100.0%
	meninggal	23	100.0%	0	0.0%	23	100.0%
Neutrofil	sembuh	57	100.0%	0	0.0%	57	100.0%
	meninggal	23	100.0%	0	0.0%	23	100.0%

Descriptives

		outcome		Statistic	Std. Error
usia	sembuh	Mean		50.74	1.484
		95% Confidence Interval for Mean	Lower Bound	47.76	
			Upper Bound	53.71	
		5% Trimmed Mean		50.83	
		Median		52.00	
		Variance		125.590	
		Std. Deviation		11.207	
		Minimum		26	
		Maximum		77	
		Range		51	
	Interquartile Range		13		
	Skewness		-.226	.316	
	Kurtosis		.185	.623	
	meninggal	Mean		54.74	2.021
		95% Confidence Interval for Mean	Lower Bound	50.55	
			Upper Bound	58.93	
		5% Trimmed Mean		54.53	
		Median		55.00	
		Variance		93.929	
		Std. Deviation		9.692	
Minimum			38		
Maximum			76		
Range			38		
Interquartile Range		14			
Skewness		.013	.481		
Kurtosis		-.092	.935		
onset	sembuh	Mean		5.70	.317
		95% Confidence Interval for Mean	Lower Bound	5.07	
			Upper Bound	6.34	
		5% Trimmed Mean		5.55	
		Median		6.00	
		Variance		5.713	
		Std. Deviation		2.390	
		Minimum		1	

		Maximum	14	
		Range	13	
		Interquartile Range	3	
		Skewness	1.188	.316
		Kurtosis	3.578	.623
	meninggal	Mean	6.30	.791
		95% Confidence Interval for Lower Bound Mean Upper Bound	4.66 7.95	
		5% Trimmed Mean	6.16	
		Median	7.00	
		Variance	14.403	
		Std. Deviation	3.795	
		Minimum	1	
		Maximum	14	
		Range	13	
		Interquartile Range	4	
		Skewness	.846	.481
		Kurtosis	.225	.935
NLR	sembuh	Mean	5.3509	.62976
		95% Confidence Interval for Lower Bound Mean Upper Bound	4.0893 6.6124	
		5% Trimmed Mean	4.7449	
		Median	3.6000	
		Variance	22.606	
		Std. Deviation	4.75458	
		Minimum	1.20	
		Maximum	23.00	
		Range	21.80	
		Interquartile Range	3.35	
		Skewness	2.121	.316
		Kurtosis	4.306	.623
	meninggal	Mean	7.4022	1.00608
		95% Confidence Interval for Lower Bound Mean Upper Bound	5.3157 9.4887	
		5% Trimmed Mean	6.9082	
		Median	6.2000	
		Variance	23.281	

		Std. Deviation	4.82501	
		Minimum	1.80	
		Maximum	22.90	
		Range	21.10	
		Interquartile Range	5.60	
		Skewness	1.639	.481
		Kurtosis	3.731	.935
ALC	sembuh	Mean	1328.6075	67.99768
		95% Confidence Interval for Mean	Lower Bound 1192.3918 Upper Bound 1464.8233	
		5% Trimmed Mean	1313.1975	
		Median	1222.0000	
		Variance	263549.990	
		Std. Deviation	513.37120	
		Minimum	470.00	
		Maximum	2780.00	
		Range	2310.00	
		Interquartile Range	831.00	
	meninggal	Mean	1147.4217	117.77774
		95% Confidence Interval for Mean	Lower Bound 903.1657 Upper Bound 1391.6778	
		5% Trimmed Mean	1124.0531	
		Median	1110.0000	
		Variance	319046.724	
		Std. Deviation	564.84221	
		Minimum	91.20	
		Maximum	2650.00	
		Range	2558.80	
		Interquartile Range	773.00	
		Skewness	.724	.481
		Kurtosis	1.121	.935
CRP	sembuh	Mean	51.5074	6.03036
		95% Confidence Interval for Mean	Lower Bound 39.4271 Upper Bound 63.5876	
		5% Trimmed Mean	48.4217	

		Median	34.6000	
		Variance	2072.818	
		Std. Deviation	45.52821	
		Minimum	.30	
		Maximum	164.30	
		Range	164.00	
		Interquartile Range	76.46	
		Skewness	.809	.316
		Kurtosis	-.399	.623
	meninggal	Mean	79.4052	12.29827
		95% Confidence Interval for Mean	Lower Bound 53.9002 Upper Bound 104.9103	
		5% Trimmed Mean	75.7225	
		Median	57.8000	
		Variance	3478.694	
		Std. Deviation	58.98045	
		Minimum	8.80	
		Maximum	220.94	
		Range	212.14	
		Interquartile Range	86.90	
		Skewness	.884	.481
		Kurtosis	.036	.935
Limfosit	sembuh	Mean	19.6863	1.18665
		95% Confidence Interval for Mean	Lower Bound 17.3092 Upper Bound 22.0635	
		5% Trimmed Mean	19.5759	
		Median	19.4000	
		Variance	80.264	
		Std. Deviation	8.95902	
		Minimum	3.90	
		Maximum	37.60	
		Range	33.70	
		Interquartile Range	12.75	
		Skewness	.192	.316
		Kurtosis	-.633	.623
	meninggal	Mean	14.1391	1.56983
		Lower Bound	10.8835	

		95% Confidence Interval for Mean	Upper Bound	17.3948	
		5% Trimmed Mean		13.7473	
		Median		12.4000	
		Variance		56.681	
		Std. Deviation		7.52866	
		Minimum		3.80	
		Maximum		31.40	
		Range		27.60	
		Interquartile Range		10.80	
		Skewness		.971	.481
		Kurtosis		.295	.935
Leukosit	sembuh	Mean		7.8088	.47329
		95% Confidence Interval for Mean	Lower Bound Upper Bound	6.8607 8.7569	
		5% Trimmed Mean		7.5923	
		Median		6.6700	
		Variance		12.768	
		Std. Deviation		3.57326	
		Minimum		2.52	
		Maximum		19.63	
		Range		17.11	
		Interquartile Range		4.56	
		Skewness		1.096	.316
		Kurtosis		.961	.623
	meninggal	Mean		12.0061	3.25082
		95% Confidence Interval for Mean	Lower Bound Upper Bound	5.2643 18.7479	
		5% Trimmed Mean		9.1775	
		Median		7.9000	
		Variance		243.061	
		Std. Deviation		15.59040	
		Minimum		2.40	
		Maximum		80.40	
		Range		78.00	
		Interquartile Range		6.69	
		Skewness		4.159	.481

		Kurtosis	18.704	.935		
IL6	sembuh	Mean	135.2272	20.56627		
		95% Confidence Interval for Mean	Lower Bound 94.0280			
			Upper Bound 176.4264			
		5% Trimmed Mean	115.6262			
		Median	76.7100			
		Variance	24109.384			
		Std. Deviation	155.27197			
		Minimum	.14			
		Maximum	826.71			
		Range	826.57			
		Interquartile Range	158.57			
		Skewness	2.239	.316		
		Kurtosis	6.553	.623		
		meninggal		Mean	285.7261	74.42174
				95% Confidence Interval for Mean	Lower Bound 131.3848	
	Upper Bound 440.0673					
5% Trimmed Mean	235.3231					
Median	130.2900					
Variance	127387.700					
Std. Deviation	356.91414					
Minimum	31.43					
Maximum	1523.71					
Range	1492.28					
Interquartile Range	384.15					
Skewness	2.325			.481		
Kurtosis	6.043			.935		
Lama_Raw at_Inap	sembuh			Mean	10.40	.228
				95% Confidence Interval for Mean	Lower Bound 9.95	
			Upper Bound 10.86			
		5% Trimmed Mean	10.32			
		Median	10.00			
		Variance	2.959			
		Std. Deviation	1.720			
		Minimum	7			
		Maximum	14			
		Range	7			

		Interquartile Range	2	
		Skewness	.889	.316
		Kurtosis	-.034	.623
	meninggal	Mean	7.17	.904
		95% Confidence Interval for Mean	Lower Bound 5.30 Upper Bound 9.05	
		5% Trimmed Mean	7.14	
		Median	6.00	
		Variance	18.787	
		Std. Deviation	4.334	
		Minimum	1	
		Maximum	14	
		Range	13	
		Interquartile Range	7	
		Skewness	.366	.481
		Kurtosis	-1.088	.935
Neutrofil	sembuh	Mean	71.7351	1.43421
		95% Confidence Interval for Mean	Lower Bound 68.8620 Upper Bound 74.6082	
		5% Trimmed Mean	71.9104	
		Median	71.8000	
		Variance	117.247	
		Std. Deviation	10.82806	
		Minimum	49.80	
		Maximum	90.20	
		Range	40.40	
		Interquartile Range	16.05	
		Skewness	-.143	.316
		Kurtosis	-.650	.623
	meninggal	Mean	77.3565	1.56368
		95% Confidence Interval for Mean	Lower Bound 74.1137 Upper Bound 80.5994	
		5% Trimmed Mean	77.7981	
		Median	76.6000	
		Variance	56.237	
		Std. Deviation	7.49914	

Minimum	58.90	
Maximum	87.20	
Range	28.30	
Interquartile Range	12.00	
Skewness	-.677	.481
Kurtosis	.186	.935


Tests of Normality

	outcome	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
usia	sembuh	.088	57	.200 [*]	.973	57	.219
	meninggal	.122	23	.200 [*]	.969	23	.659
onset	sembuh	.223	57	.000	.870	57	.000
	meninggal	.253	23	.001	.870	23	.006
NLR	sembuh	.244	57	.000	.729	57	.000
	meninggal	.144	23	.200 [*]	.867	23	.006
ALC	sembuh	.113	57	.066	.963	57	.076
	meninggal	.129	23	.200 [*]	.963	23	.531
CRP	sembuh	.155	57	.002	.891	57	.000
	meninggal	.165	23	.107	.911	23	.043
Limfosit	sembuh	.072	57	.200 [*]	.972	57	.210
	meninggal	.159	23	.136	.910	23	.040
Leukosit	sembuh	.143	57	.006	.908	57	.000
	meninggal	.287	23	.000	.473	23	.000
IL6	sembuh	.192	57	.000	.772	57	.000
	meninggal	.257	23	.000	.712	23	.000
Lama_Rawat_Inap	sembuh	.224	57	.000	.843	57	.000
	meninggal	.170	23	.082	.918	23	.061
Neutrofil	sembuh	.069	57	.200 [*]	.973	57	.221
	meninggal	.147	23	.200 [*]	.937	23	.154

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

a. Lilliefors Significance Correction

Test of Homogeneity of Variance

		Levene Statistic	df1	df2	Sig.
usia	Based on Mean	.391	1	78	.533
	Based on Median	.351	1	78	.555
	Based on Median and with adjusted df	.351	1	76.090	.555
	Based on trimmed mean	.376	1	78	.541
onset	Based on Mean	4.990	1	78	.028
	Based on Median	4.412	1	78	.039
	Based on Median and with adjusted df	4.412	1	62.455	.040
	Based on trimmed mean	5.014	1	78	.028
NLR	Based on Mean	.100	1	78	.753
	Based on Median	.355	1	78	.553
	Based on Median and with adjusted df	.355	1	76.451	.553
	Based on trimmed mean	.257	1	78	.613
ALC	Based on Mean	.026	1	78	.873
	Based on Median	.020	1	78	.887
	Based on Median and with adjusted df	.020	1	74.218	.887
	Based on trimmed mean	.033	1	78	.857
CRP	Based on Mean	2.167	1	78	.145
	Based on Median	1.415	1	78	.238
	Based on Median and with adjusted df	1.415	1	72.980	.238
	Based on trimmed mean	2.061	1	78	.155
Limfosit	Based on Mean	1.109	1	78	.295
	Based on Median	1.405	1	78	.240
	Based on Median and with adjusted df	1.405	1	77.952	.240
	Based on trimmed mean	1.183	1	78	.280
Leukosit	Based on Mean	6.811	1	78	.011
	Based on Median	3.841	1	78	.054
	Based on Median and with adjusted df	3.841	1	25.521	.061
	Based on trimmed mean	4.361	1	78	.040

IL6	Based on Mean	11.798	1	78	.001
	Based on Median	5.121	1	78	.026
	Based on Median and with adjusted df	5.121	1	41.386	.029
	Based on trimmed mean	8.132	1	78	.006
Lama_Rawat_Inap	Based on Mean	42.141	1	78	.000
	Based on Median	30.519	1	78	.000
	Based on Median and with adjusted df	30.519	1	47.679	.000
	Based on trimmed mean	41.558	1	78	.000
Neutrofil	Based on Mean	3.728	1	78	.057
	Based on Median	3.781	1	78	.055
	Based on Median and with adjusted df	3.781	1	73.675	.056
	Based on trimmed mean	3.680	1	78	.059

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
jeniskelamin * outcome	80	100.0%	0	0.0%	80	100.0%
komorbid * outcome	80	100.0%	0	0.0%	80	100.0%

Crosstab

			outcome		Total
			sembuh	meninggal	
jeniskelamin	laki -laki	Count	27	8	35
		% within jeniskelamin	77.1%	22.9%	100.0%
		% within outcome	47.4%	34.8%	43.8%
		% of Total	33.8%	10.0%	43.8%
	perempuan	Count	30	15	45
		% within jeniskelamin	66.7%	33.3%	100.0%
		% within outcome	52.6%	65.2%	56.3%
		% of Total	37.5%	18.8%	56.3%

Total	Count	57	23	80
	% within jeniskelamin	71.3%	28.7%	100.0%
	% within outcome	100.0%	100.0%	100.0%
	% of Total	71.3%	28.7%	100.0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	1.055 ^a	1	.304		
Continuity Correction ^b	.605	1	.437		
Likelihood Ratio	1.069	1	.301		
Fisher's Exact Test				.332	.219
Linear-by-Linear Association	1.042	1	.307		
N of Valid Cases	80				

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 10,06.

b. Computed only for a 2x2 table

Risk Estimate

	Value	95% Confidence Interval	
		Lower	Upper
Odds Ratio for jeniskelamin (laki -laki / perempuan)	1.688	.619	4.602
For cohort outcome = sembuh	1.157	.880	1.522
For cohort outcome = meninggal	.686	.329	1.431
N of Valid Cases	80		

Crosstab

		outcome		Total	
		sembuh	meninggal		
komorbid	ya	Count	47	18	65
		% within komorbid	72.3%	27.7%	100.0%
		% within outcome	82.5%	78.3%	81.3%

	% of Total	58.8%	22.5%	81.3%
tidak	Count	10	5	15
	% within komorbid	66.7%	33.3%	100.0%
	% within outcome	17.5%	21.7%	18.8%
	% of Total	12.5%	6.3%	18.8%
Total	Count	57	23	80
	% within komorbid	71.3%	28.7%	100.0%
	% within outcome	100.0%	100.0%	100.0%
	% of Total	71.3%	28.7%	100.0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	.189 ^a	1	.663		
Continuity Correction ^b	.014	1	.906		
Likelihood Ratio	.185	1	.667		
Fisher's Exact Test				.754	.442
Linear-by-Linear Association	.187	1	.665		
N of Valid Cases	80				

a. 1 cells (25,0%) have expected count less than 5. The minimum expected count is 4,31.

b. Computed only for a 2x2 table

Risk Estimate

	Value	95% Confidence Interval	
		Lower	Upper
Odds Ratio for komorbid (ya / tidak)	1.306	.392	4.348
For cohort outcome = sembuh	1.085	.736	1.599
For cohort outcome = meninggal	.831	.367	1.879
N of Valid Cases	80		

T-Test

Group Statistics

	outcome	N	Mean	Std. Deviation	Std. Error Mean
usia	sembuh	57	50.74	11.207	1.484
	meninggal	23	54.74	9.692	2.021
Limfosit	sembuh	57	19.6863	8.95902	1.18665
	meninggal	23	14.1391	7.52866	1.56983

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
usia	Equal variances assumed	.391	.533	-1.500	78	.138	-4.002	2.668	-9.314	1.310
	Equal variances not assumed			-1.596	46.792	.117	-4.002	2.507	-9.047	1.043
Limfosit	Equal variances assumed	1.109	.295	2.617	78	.011	5.54719	2.11943	1.32772	9.76665
	Equal variances not assumed			2.819	48.149	.007	5.54719	1.96787	1.59083	9.50354

Mann-Whitney Test



Ranks

	outcome	N	Mean Rank	Sum of Ranks
onset	sembuh	57	39.94	2276.50
	meninggal	23	41.89	963.50
	Total	80		
NLR	sembuh	57	36.25	2066.00
	meninggal	23	51.04	1174.00
	Total	80		
ALC	sembuh	57	42.85	2442.50
	meninggal	23	34.67	797.50
	Total	80		
CRP	sembuh	57	36.84	2100.00

	meninggal	23	49.57	1140.00
	Total	80		
Leukosit	sembuh	57	38.54	2196.50
	meninggal	23	45.37	1043.50
	Total	80		
IL6	sembuh	57	36.88	2102.00
	meninggal	23	49.48	1138.00
	Total	80		
Lama_Rawat_Inap	sembuh	57	46.03	2623.50
	meninggal	23	26.80	616.50
	Total	80		
Neutrofil	sembuh	57	36.98	2108.00
	meninggal	23	49.22	1132.00
	Total	80		

Test Statistics^a

	onset	NLR	ALC	CRP	Leukosit	IL6	Lama_Rawat_Inap	Neutrofil
Mann-Whitney U	623.500	413.000	521.500	447.000	543.500	449.000	340.500	455.000
Wilcoxon W	2276.500	2066.000	797.500	2100.000	2196.500	2102.000	616.500	2108.000
Z	-.349	-2.578	-1.425	-2.216	-1.191	-2.195	-3.416	-2.132
Asymp. Sig. (2-tailed)	.727	.010	.154	.027	.234	.028	.001	.033

a. Grouping Variable: outcome

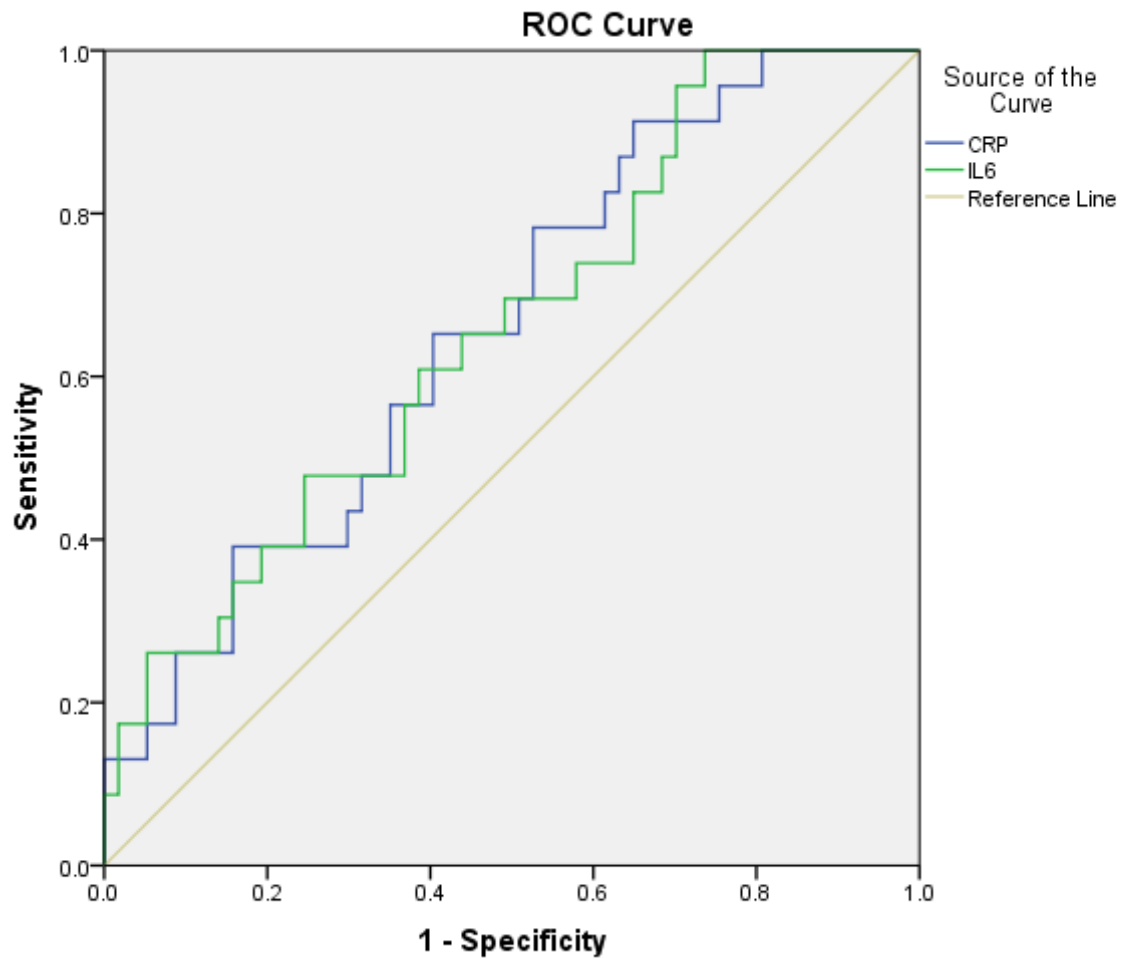
ROC Curve

Case Processing Summary

	Valid N (listwise)
outcome	
Positive ^a	23
Negative	57

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

a. The positive actual state is meninggal.



Area Under the Curve

Test Result Variable(s)	Area	Std. Error ^a	Asymptotic Sig. ^b	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
CRP	.659	.065	.027	.532	.786
IL6	.658	.066	.028	.529	.787

a. Under the nonparametric assumption

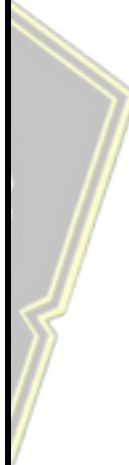
b. Null hypothesis: true area = 0.5

Coordinates of the Curve

Test Result Variable(s)	Positive if Greater Than or Equal To ^a	Sensitivity	1 - Specificity
CRP	-.7000	1.000	1.000
	1.3500	1.000	.982
	2.6000	1.000	.965
	3.0000	1.000	.947
	3.3600	1.000	.930
	3.8650	1.000	.912
	4.3100	1.000	.895
	4.7050	1.000	.877
	5.7700	1.000	.860
	7.1100	1.000	.842
	8.1900	1.000	.825
	8.7500	1.000	.807
	9.4000	.957	.807
	10.8650	.957	.772
	12.2950	.957	.754
	12.9300	.913	.754
	13.9850	.913	.737
	15.1850	.913	.719
	16.3000	.913	.702
	17.7000	.913	.684
	18.8500	.913	.667
	19.8050	.913	.649
	20.6050	.870	.649
	22.8950	.870	.632
	25.1950	.826	.632
	26.0350	.826	.614
	26.4850	.783	.614
	26.8800	.783	.596
27.5800	.783	.579	
28.3200	.783	.561	
29.3700	.783	.544	

	30.8350	.783	.526
	32.6650	.739	.526
	33.7750	.696	.526
	34.0700	.696	.509
	34.4750	.652	.509
	37.0500	.652	.491
	41.4200	.652	.474
	43.8550	.652	.456
	44.4850	.652	.439
	45.3000	.652	.421
	46.4500	.652	.404
	48.1000	.609	.404
	49.8500	.565	.404
	52.7000	.565	.386
	55.1500	.565	.368
	55.5500	.565	.351
	56.8000	.522	.351
	64.3950	.478	.351
	71.4450	.478	.333
	73.8250	.478	.316
	76.0900	.435	.316
	77.9750	.435	.298
	81.0600	.391	.298
	83.9500	.391	.281
	86.8150	.391	.263
	88.8200	.391	.246
	91.6400	.391	.228
	94.1350	.391	.211
	95.2500	.391	.193
	97.0500	.391	.175
	100.0250	.391	.158
	102.2250	.348	.158
	105.3000	.304	.158
	108.9300	.261	.158
	111.5800	.261	.140

IL6	114.7000	.261	.123
	116.9350	.261	.105
	118.2700	.261	.088
	120.6700	.217	.088
	124.0450	.174	.088
	125.3600	.174	.070
	130.3000	.174	.053
	138.1250	.130	.053
	151.8400	.130	.035
	163.4150	.130	.018
	170.8050	.130	.000
	179.3050	.087	.000
	201.1200	.043	.000
	221.9400	.000	.000
	- .8600	1.000	1.000
	.2850	1.000	.982
	.6450	1.000	.965
	1.0000	1.000	.947
	1.4250	1.000	.930
	3.6400	1.000	.912
	6.8550	1.000	.895
	11.2150	1.000	.877
	15.9300	1.000	.860
	19.0700	1.000	.842
	21.5700	1.000	.825
	24.3550	1.000	.807
	27.5700	1.000	.789
	29.2850	1.000	.772
	30.2150	1.000	.754
	31.1450	1.000	.737
	32.6450	.957	.737
	34.7150	.957	.719
	36.1400	.957	.702
	37.0700	.913	.702
	37.5000	.870	.702



	38.5700	.870	.684
	41.5000	.826	.684
	43.5700	.826	.667
	47.7850	.826	.649
	52.5000	.783	.649
	53.9250	.739	.649
	55.8550	.739	.632
	57.2150	.739	.614
	60.0700	.739	.596
	63.1400	.739	.579
	65.1400	.696	.579
	67.1400	.696	.561
	70.8550	.696	.544
	74.5000	.696	.526
	75.7850	.696	.509
	79.1400	.696	.491
	83.9300	.652	.491
	88.4300	.652	.474
	94.0700	.652	.456
	101.6400	.652	.439
	106.2850	.609	.439
	107.4300	.609	.421
	110.5000	.609	.404
	113.5000	.609	.386
	116.7150	.565	.386
	122.3600	.565	.368
	127.7900	.522	.368
	132.5000	.478	.368
	135.3550	.478	.351
	140.5000	.478	.333
	150.8550	.478	.316
	163.0000	.478	.298
	171.5750	.478	.281
	176.7150	.478	.263
	181.8550	.478	.246

	187.0000	.435	.246
	193.9300	.391	.246
	203.4300	.391	.228
	216.7850	.391	.211
	228.4250	.391	.193
	236.3550	.348	.193
	248.1400	.348	.175
	257.9250	.348	.158
	260.3550	.304	.158
	265.1400	.304	.140
	274.7850	.261	.140
	283.1450	.261	.123
	309.0000	.261	.105
	354.8550	.261	.088
	381.5700	.261	.070
	411.1450	.261	.053
	443.5000	.217	.053
	465.2100	.174	.053
	510.2100	.174	.035
	547.0700	.174	.018
	611.0000	.130	.018
	747.1400	.087	.018
	879.5700	.087	.000
	1228.0700	.043	.000
	1524.7100	.000	.000

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.

Frequencies

		Statistics	
		CRP	IL6
N	Valid	80	80
	Missing	0	0
Mean		59.5280	178.4956
Std. Error of Mean		5.70037	26.75436
Median		44.4850	101.6400
Mode		10.00	.14 ^a
Std. Deviation		50.98564	239.29830
Variance		2599.535	57263.676
Range		220.64	1523.57
Minimum		.30	.14
Maximum		220.94	1523.71
Sum		4762.24	14279.65
Percentiles	10	5.1540	14.6180
	20	12.8880	31.9160
	25	17.4500	37.4650
	30	22.1770	46.1550
	40	30.6880	67.0540
	50	44.4850	101.6400
	60	57.0000	132.9420
	70	87.4210	188.1440
	75	95.7250	230.2825
	80	107.1000	260.4840
90	125.4720	448.4680	

a. Multiple modes exist. The smallest value is shown

Nonparametric Correlations

			CRP	IL6	outcome
Spearman's rho	CRP	Correlation Coefficient	1.000	.275**	.249*
		Sig. (1-tailed)	.	.007	.013
		N	80	80	80
	IL6	Correlation Coefficient	.275**	1.000	.247*
		Sig. (1-tailed)	.007	.	.014
		N	80	80	80
	outcome	Correlation Coefficient	.249*	.247*	1.000
		Sig. (1-tailed)	.013	.014	.
		N	80	80	80

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

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

Logistic Regression

Unweighted Cases ^a		N	Percent
Selected Cases	Included in Analysis	80	100.0
	Missing Cases	0	.0
	Total	80	100.0
Unselected Cases		0	.0
Total		80	100.0

a. If weight is in effect, see classification table for the total number of cases.

Dependent Variable Encoding

Original Value	Internal Value
sembuh	0
meninggal	1

Block 0: Beginning Block

Classification Table^{a,b}

	Observed	Predicted			
		outcome		Percentage	
		sembuh	meninggal	Correct	
Step 0	outcome	sembuh	57	0	100.0
		meninggal	23	0	.0
Overall Percentage					71.3

a. Constant is included in the model.

b. The cut value is ,500



Variables in the Equation

		B	S.E.	Wald	df	Sig.	Exp(B)
Step 1 ^a	usia_nominal	-.536	.603	.790	1	.374	.585
	jeniskelamin	.428	.541	.626	1	.429	1.535
	komorbid	-.204	.675	.091	1	.763	.816
	IL6_CUTOFF	-.759	.542	1.959	1	.162	.468
	CRP_Cutoff	-.989	.551	3.218	1	.073	.372
	Constant	2.154	2.004	1.155	1	.282	8.616
Step 2 ^a	usia_nominal	-.548	.601	.832	1	.362	.578
	jeniskelamin	.418	.540	.600	1	.439	1.520
	IL6_CUTOFF	-.732	.534	1.876	1	.171	.481
	CRP_Cutoff	-.944	.530	3.170	1	.075	.389
	Constant	1.843	1.719	1.149	1	.284	6.316
Step 3 ^a	usia_nominal	-.593	.600	.975	1	.323	.553
	IL6_CUTOFF	-.759	.531	2.039	1	.153	.468
	CRP_Cutoff	-.931	.527	3.116	1	.078	.394
	Constant	2.610	1.422	3.370	1	.066	13.601
Step 4 ^a	IL6_CUTOFF	-.817	.524	2.428	1	.119	.442
	CRP_Cutoff	-.970	.522	3.448	1	.063	.379
	Constant	1.707	1.067	2.559	1	.110	5.511
Step 5 ^a	CRP_Cutoff	-1.019	.514	3.929	1	.047	.361
	Constant	.592	.771	.589	1	.443	1.808

a. Variable(s) entered on step 1: usia_nominal, jeniskelamin, komorbid, IL6_CUTOFF, CRP_Cutoff.

CRP_Cutoff * outcome**Crosstab**

Count

		outcome		Total
		sembuh	meninggal	
CRP_Cutoff	> 46.45	23	15	38
	<=46,45	34	8	42
Total		57	23	80

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	4.063 ^a	1	.044		
Continuity Correction ^b	3.127	1	.077		
Likelihood Ratio	4.101	1	.043		
Fisher's Exact Test				.052	.038
Linear-by-Linear Association	4.013	1	.045		
N of Valid Cases	80				

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 10,93.

b. Computed only for a 2x2 table

Symmetric Measures

		Value	Asymp. Std. Error ^a	Approx. T ^b	Approx. Sig.
Nominal by Nominal	Contingency Coefficient	.220			.044
Interval by Interval	Pearson's R	-.225	.108	-2.043	.044 ^c
Ordinal by Ordinal	Spearman Correlation	-.225	.108	-2.043	.044 ^c
N of Valid Cases		80			

a. Not assuming the null hypothesis.

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

b. Based on normal approximation.

Risk Estimate

	Value	95% Confidence Interval	
		Lower	Upper
Odds Ratio for CRP_Cutoff (> 46.45 / <=46,45)	.361	.132	.989
For cohort outcome = sembuh	.748	.556	1.005
For cohort outcome = meninggal	2.072	.991	4.332
N of Valid Cases	80		

CRPCUTOFF90 * outcome

Crosstab

			outcome		Total
			sembuh	meninggal	
CRPCUTOFF90	>90	Count	13	9	22
		Expected Count	15.7	6.3	22.0
		% within CRPCUTOFF90	59.1%	40.9%	100.0%
		% within outcome	22.8%	39.1%	27.5%
		% of Total	16.3%	11.3%	27.5%
	<=90	Count	44	14	58
		Expected Count	41.3	16.7	58.0
		% within CRPCUTOFF90	75.9%	24.1%	100.0%
		% within outcome	77.2%	60.9%	72.5%
		% of Total	55.0%	17.5%	72.5%
Total		Count	57	23	80
		Expected Count	57.0	23.0	80.0
		% within CRPCUTOFF90	71.3%	28.7%	100.0%
		% within outcome	100.0%	100.0%	100.0%
		% of Total	71.3%	28.7%	100.0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	2.190 ^a	1	.139		

Continuity Correction ^b	1.448	1	.229		
Likelihood Ratio	2.107	1	.147		
Fisher's Exact Test				.170	.116
Linear-by-Linear Association	2.163	1	.141		
N of Valid Cases	80				

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 6,33.

b. Computed only for a 2x2 table

Symmetric Measures

		Value	Asymp. Std. Error ^a	Approx. T ^b	Approx. Sig.
Nominal by Nominal	Contingency Coefficient	.163			.139
Interval by Interval	Pearson's R	-.165	.117	-1.482	.142 ^c
Ordinal by Ordinal	Spearman Correlation	-.165	.117	-1.482	.142 ^c
N of Valid Cases		80			

a. Not assuming the null hypothesis.

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

c. Based on normal approximation.

Risk Estimate

	Value	95% Confidence Interval	
		Lower	Upper
Odds Ratio for CRPCUTOFF90 (>90 / <=90)	.460	.162	1.302
For cohort outcome = sembuh	.779	.534	1.135
For cohort outcome = meninggal	1.695	.860	3.340
N of Valid Cases	80		

IL6_CUTOFF * outcome

Crosstab

Count

		outcome		Total
		sembuh	meninggal	
IL6_CUTOFF	>101.64	25	15	40
	<= 101.64	32	8	40
Total		57	23	80

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	2.990 ^a	1	.084		
Continuity Correction ^b	2.197	1	.138		
Likelihood Ratio	3.026	1	.082		
Fisher's Exact Test				.137	.069
Linear-by-Linear Association	2.953	1	.086		
N of Valid Cases	80				

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 11,50.

b. Computed only for a 2x2 table

IL6CUTOFF80 * outcome

Crosstab

			outcome		Total
			sembuh	meninggal	
IL6CUTOFF80	>80	Count	28	16	44
		Expected Count	31.4	12.7	44.0
		% within IL6CUTOFF80	63.6%	36.4%	100.0%
		% within outcome	49.1%	69.6%	55.0%
		% of Total	35.0%	20.0%	55.0%
<=80	Count	29	7	36	
	Expected Count	25.7	10.4	36.0	
	% within IL6CUTOFF80	80.6%	19.4%	100.0%	

	% within outcome	50.9%	30.4%	45.0%
	% of Total	36.3%	8.8%	45.0%
Total	Count	57	23	80
	Expected Count	57.0	23.0	80.0
	% within IL6CUTOFF80	71.3%	28.7%	100.0%
	% within outcome	100.0%	100.0%	100.0%
	% of Total	71.3%	28.7%	100.0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	2.767 ^a	1	.096		
Continuity Correction ^b	2.003	1	.157		
Likelihood Ratio	2.834	1	.092		
Fisher's Exact Test				.137	.078
Linear-by-Linear Association	2.732	1	.098		
N of Valid Cases	80				

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 10,35.

b. Computed only for a 2x2 table

Risk Estimate

	Value	95% Confidence Interval	
		Lower	Upper
Odds Ratio for IL6CUTOFF80 (>80 / <=80)	.422	.151	1.182
For cohort outcome = sembuh	.790	.600	1.040
For cohort outcome = meninggal	1.870	.865	4.044
N of Valid Cases	80		

IL6CUTOFF60 * outcome

Crosstab

			outcome		Total
			sembuh	meninggal	
IL6CUTOFF60	>60	Count	34	17	51
		Expected Count	36.3	14.7	51.0
		% within IL6CUTOFF60	66.7%	33.3%	100.0%
		% within outcome	59.6%	73.9%	63.7%
		% of Total	42.5%	21.3%	63.7%
	<=60	Count	23	6	29
		Expected Count	20.7	8.3	29.0
		% within IL6CUTOFF60	79.3%	20.7%	100.0%
		% within outcome	40.4%	26.1%	36.3%
		% of Total	28.7%	7.5%	36.3%
Total		Count	57	23	80
		Expected Count	57.0	23.0	80.0
		% within IL6CUTOFF60	71.3%	28.7%	100.0%
		% within outcome	100.0%	100.0%	100.0%
		% of Total	71.3%	28.7%	100.0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	1.443 ^a	1	.230		
Continuity Correction ^b	.892	1	.345		
Likelihood Ratio	1.490	1	.222		
Fisher's Exact Test				.307	.173
Linear-by-Linear Association	1.425	1	.233		
N of Valid Cases	80				

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 8,34.


b. Computed only for a 2x2 table

Risk Estimate

	Value	95% Confidence Interval	
		Lower	Upper
Odds Ratio for IL6CUTOFF60 (>60 / <=60)	.522	.179	1.522
For cohort outcome = sembuh	.841	.642	1.100
For cohort outcome = meninggal	1.611	.716	3.627
N of Valid Cases	80		



Lampiran 2. Surat Keterangan Layak Etik



YAYASAN BADAN WAKAF SULTAN AGUNG
RSI SULTAN AGUNG
 ISLAMIC TEACHING HOSPITAL
 SEMARANG - JAWA TENGAH

KOMITE ETIK PENELITIAN KESEHATAN
HEALTH RESEARCH ETHICS COMMITTEE
RSI SULTAN AGUNG
KEPK RSI SULTAN AGUNG

KETERANGAN LAYAK ETIK
DESCRIPTION OF ETHICAL EXEMPTION
"ETHICAL EXEMPTION"

No. 89/EC/KEPK/2021


Protokol penelitian yang diusulkan oleh <i>The research protocol proposed by</i>	:	
Peneliti utama <i>Principal In Investigator</i>	:	dr. RAHAYU, Sp.MK
Nama Institusi <i>Name of Institution</i>	:	FAKULTAS KEDOKTERAN UNIVERSITAS ISLAM SULTAN AGUNG
Dengan judul <i>Title</i>	:	<p style="text-align: center;">"KADAR INTERLEUKIN-6 DAN C-REAKTIVE PROTEIN SEBAGAI FAKTOR PROGNOSTIK PASIEN SEVERE COVID-19"</p> <p style="text-align: center;">"INTERLEUKIN-6 AND C-REACTIVE PROTEIN AS PROGNOSTIC FACTORS IN SEVERE COVID-19 PATIENTS"</p>

Dinyatakan layak etik sesuai 7(tujuh) Standar WHO 2011, yaitu 1) Nilai Sosial, 2) Nilai Ilmiah, 3) Penentuan Bahas dan Manfaat, 4) Risiko, 5) Bajakan/Eksploitasi, 6) Kerahasiaan dan Privacy, dan 7) Persetujuan Setelah Penjelasan, yang sesuai pada Pedoman CIOMS 2016. Hal ini seperti yang ditunjukkan oleh terpenuhinya indikator setiap standar.


Declared to be ethically appropriate in accordance to 7 (seven) WHO 2011 Standards, 1)Social Values, 2)Scientific Values, 3)Equitable Assessment and Benefits, 4)Risks, 5)Persuasion/Exploitation, 6)Confidentiality and Privacy, and 7)Informed Consent, referring to the 2016 CIOMS Guidelines. This is so indicated by the fulfillment of the indicators of each standard.

Pernyataan Layak Etik ini berlaku selama kurun waktu tanggal 11 Februari 2021 sampai dengan tanggal 11 Februari 2022.

This declaration of ethics applies during the period February 11, 2020 until February 11, 2022



February 11, 2021
Chairperson



YAYASAN BADAN WAKAF SULTAN AGUNG
RSI SULTAN AGUNG
 ISLAMIC TEACHING HOSPITAL
 Rumah Sakit Islam Peningkat Umat
 SEMARANG - 10111

Muhammad Aziz Kresidi

www.rsisultanagung.co.id

Lampiran 4. Surat Izin Melaksanakan Penelitian



Nomor : 0067/B/RSI-SA/II/2021
Lamp : -
Hal : Izin Melaksanakan Penelitian

Semarang, 13 Februari 2021 M
1 Rajab 1442 H

Kepada Yth

1. Kepala Instalasi Rekam Medis
2. Kepala Instalasi Laboratorium

RUMAH SAKIT ISLAM SULTAN AGUNG SEMARANG
Di_
SEMARANG

Assalamu'alaikum Wr.Wb.

Teriring rasa syukur semoga limpahan kasih sayang Allah SWT menyertai didalam melaksanakan tugas dan pengabdian kita. Aamiin.

Yang bertanda tangan di bawah ini :

Nama : **dr. Minidian Fasitasari, M. Sc, Sp. GK.**
Jabatan : **Direktur Pendidikan & Penunjang Medis**

Memberikan izin melakukan penelitian untuk :

Nama : **Dr. RAHAYU Sp.MK.**
NIM : **MBK. 18.11.01.0131**
Program Studi : **Magister Ilmu Biomedik (S-2).**
Fakultas : **Kedokteran.**
Universitas : **Universitas Islam Sultan Agung Semarang**
Judul Penelitian : **KADAR INTERLEUKIN-6 DAN C-REAKTIVE PROTEIN SEBAGAI FAKTOR PROGNOSTIK PASIEN SEVERE COVID-19.**
Lokasi Penelitian : **Instalasi Rekam Medis dan Laboratorium RSI Sultan Agung.**
No. HP : **+62 813-2649-0064 (WA).**

Untuk melaksanakan kegiatan penelitian selama 6 bulan, terhitung mulai sejak diterbitkannya surat izin penelitian ini. Peneliti wajib :

1. Melaporkan monitoring evaluasi penelitian secara periodik ke bagian Litbang.
2. Membuat laporan penelitian pada akhir penelitian.
3. Menyerahkan hasil penelitian dalam bentuk soft copy dan hard copy ke bagian Litbang.

Demikian, atas perhatian dan kerjasamanya kami ucapkan terima kasih.

Billahittaufiq wal hidayah

Wassalamu'alaikum Wr. Wb.



RUMAH SAKIT ISLAM
SULTAN AGUNG SEMARANG
RSI SULTAN AGUNG
ISLAMIC TEACHING HOSPITAL

dr. Minidian Fasitasari, M. Sc, Sp. GK.
Direktur Pendidikan & Penunjang Medis

Lampiran 5. Surat keterangan penelitian di Lab. Biomedik Terintegrasi



UNIVERSITAS ISLAM SULTAN AGUNG (UNISSULA)
INTEGRATED BIOMEDICAL LABORATORY
FAKULTAS KEDOKTERAN

Jl. Raya Kaligawe KM.4, Semarang 50112
 Tel. +62246583584, email: ikm@unissula.ac.id

Laboratorium Biomedik Terintegrasi

SURAT KETERANGAN
No. 190/TBL-FK-SA/II/2021

Yang Bertanda tangan di bawah ini :

Nama : dr. Filri Taufiq, M.Si.Med., Ph.D.
 Jabatan : Kepala Laboratorium Biomedik Terintegrasi FK Unissula

Menerangkan bahwa :

Nama Peneliti : Rahayu
 NIM/NIK : MBK.18.110.10.131
 Fakultas : Kedokteran / Biomedik
 Universitas : Islam Sultan Agung
 Judul : Kadar *Interleukin-6* dan *C-Reactive Protein* Sebagai Faktor Prognostik Pasien *Severe Covid-19*

Telah selesai melakukan penelitian di Laboratorium Biomedik Terintegrasi Fakultas Kedokteran Universitas Islam Sultan Agung, untuk menunjang penyusunan Tugas Akhir ataupun Laporan Penelitian. Adapun penelitian dilakukan pada Februari 2021, dengan hasil terlampir.

Demikian surat keterangan ini dibuat untuk dapat dipergunakan seperhunya.

Semarang, 18 Februari 2021
 Mengetahui,
 Kepala Lab. Biomedik Terintegrasi
 Fakultas Kedokteran Unissula

dr. Filri Taufiq, M.Si.Med., Ph.D
 NIK.210111136



UNIVERSITAS ISLAM SULTAN AGUNG (UNISSULA)

INTEGRATED BIOMEDICAL LABORATORY

FAKULTAS KEDOKTERAN

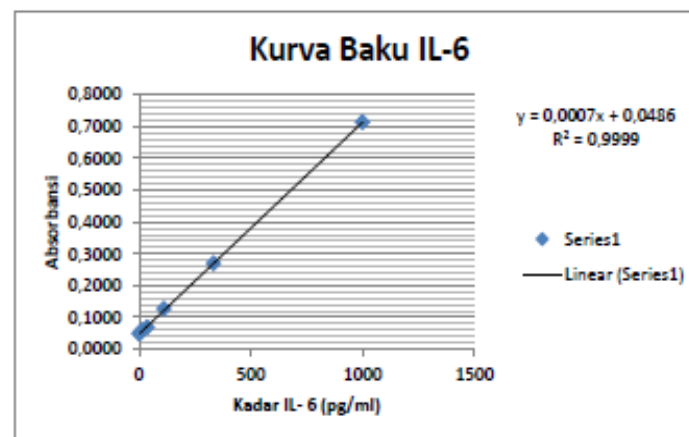
Jl. Raya Kaligawe KM.4, Semarang 50112

Tel. +62246583584, email: ibl@unissula.ac.id

Laboratorium Biomedik Terintegrasi

Lampiran 1

Kurva Baku (Standart)



Std (pg/ml)	Absorbansi
12000	1,6419
1000	0,7133
333,3	0,2702
111,1	0,1265
37,4	0,0697
12,35	0,0574
4,12	0,0509
1,37	0,0496
0	0,0495

Lampiran 2

Data Hasil Pembacaan Kadar IL-6

Kode sampel	Absorbansi	Konsentrasi / Kadar IL- 6 (pg/ml)
1	0,2276	255,71
2	0,5159	667,57
3	0,2111	232,14
5	0,1363	125,29
6	0,1703	173,86
7	0,3181	385,00
8	0,1501	145,00
9	0,1120	90,57
10	0,0489	0,43
11	0,1815	189,86
12	0,3634	449,71
13	0,0487	0,14
14	0,0630	20,57
15	0,0869	54,71
17	0,1277	113,00
18	0,0748	37,43
20	0,2310	260,57
22	0,0525	5,57
24	0,0849	51,86
26	0,1671	169,29
28	0,6273	826,71
29	0,1226	105,71
30	0,1242	108,00
31	0,0749	37,57
32	0,1948	208,86
34	0,0931	63,57
35	0,4264	539,71
36	0,1775	184,14
37	0,1023	76,71
38	0,3547	437,29
39	0,1743	179,57
40	0,1005	74,14
41	0,7013	932,43
44	0,1057	81,57
45	0,0498	1,71

Kode sampel	Absorbansi	Konsentrasi / Kadar IL- 6 (pg/ml)
46	0,0743	36,71
47	0,1429	134,71
48	0,0669	26,14
49	0,1169	97,57
50	0,1010	74,86
52	0,0858	53,14
55	0,0702	30,86
56	0,0763	39,57
57	0,0792	43,71
58	0,1234	106,86
59	0,3133	378,14
67	0,2374	269,71
71	0,1438	136,00
72	0,2170	240,57
73	0,0888	57,43
76	0,1322	119,43
77	0,2059	224,71
79	0,0689	29,00
81	0,0494	1,14
82	0,2445	279,86
88	0,2307	260,14
89	0,0953	66,71
91	1,1152	1523,71
94	0,0925	62,71
95	0,1872	198,00
96	0,1583	156,71
99	0,2807	331,57
101	0,0735	35,57
102	0,0885	57,00
103	0,0586	14,29
104	0,1090	86,29
105	0,0693	29,57
106	0,0609	17,57
107	0,0723	33,86
110	0,4367	554,43
111	0,2491	286,43
116	0,0492	0,86
118	0,1284	114,00
120	0,0959	67,57