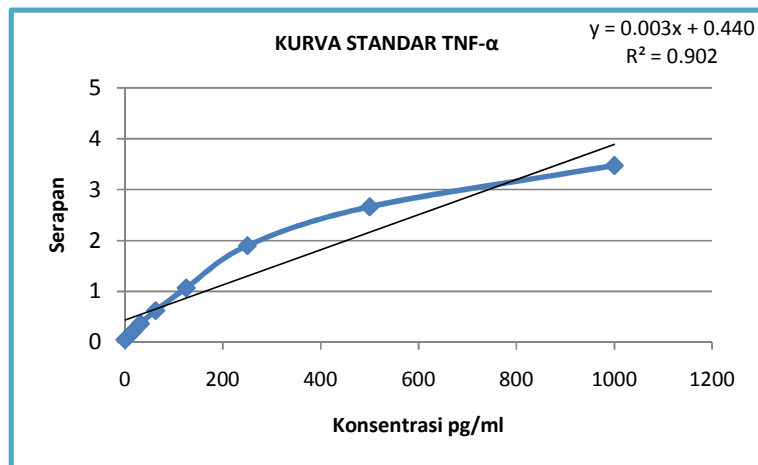


HASIL PENELITIAN

1. Hasil Pengukuran Kadar TNF- α

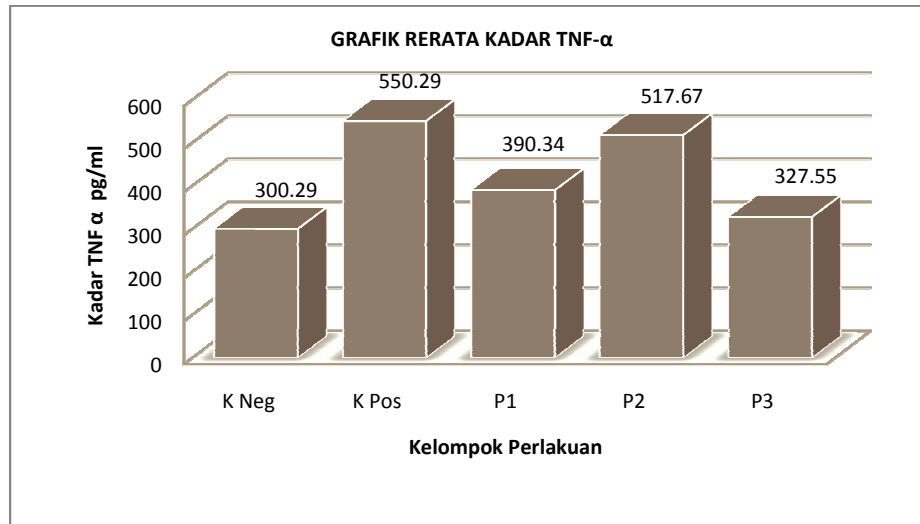
DATA PENGAMATAN ABSORBANSI STANDAR TNF – α
PADA PANJANG GELOMBANG 450 nm

NO	KADAR (pg/ml)	ABSORBANSI
1.	0	0.055
2.	15.6	0.207
3.	31.5	0.368
4.	62.5	0.624
5.	125	1.07
6.	250	1.901
7.	500	2.664
8.	1000	3.475



DATA PENGAMATAN ABSORBANSI DAN KADAR TNF α

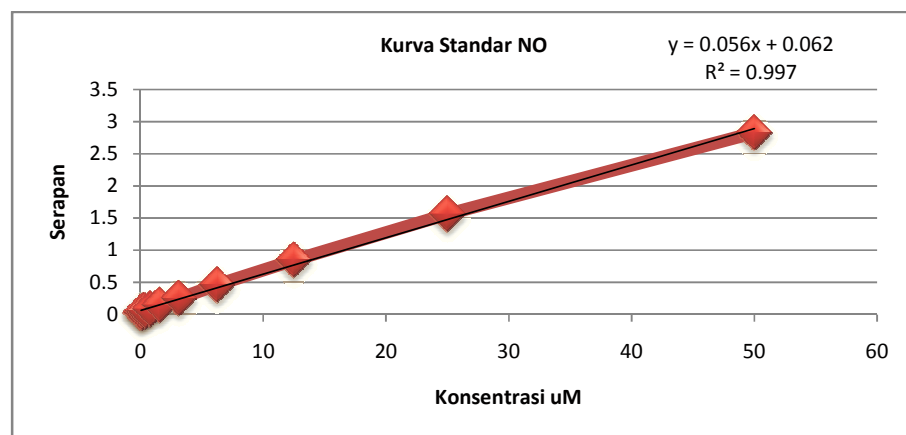
KELOMPOK	OD-1	OD-2	MEAN	KADAR (pg/ml)	RERATA KADAR
OK-1	0.597	0.438	0.5175	151.77	300.296
OK-2	0.912	0.864	0.888	260.74	
OK-3	1.215	1.439	1.327	389.85	
OK-4	1.468	1.653	1.5605	458.53	
OK-5	0.758	0.873	0.8155	239.41	
OK-6	1.113	0.94	1.0265	301.47	
OK+1	1.998	2.48	2.239	658.09	550.295
OK+2	1.777	1.327	1.552	456.03	
OK+3	1.957	2.098	2.0275	595.88	
OK+4	1.894	1.905	1.8995	558.24	
OK+5	1.772	1.9	1.836	539.56	
OK+6	1.523	1.839	1.681	493.97	
OP1.1	1.537	1.6	1.5685	460.88	390.340
OP1.2	1.019	1.07	1.0445	306.77	
OP1.3	0.985	1.072	1.0285	302.06	
OP1.4	1.779	1.215	1.497	439.85	
OP1.5	1.313	1.436	1.3745	403.82	
OP1.6	1.513	1.405	1.459	428.68	
OP2.1	1.241	1.255	1.248	366.62	517.670
OP2.2	1.288	1.429	1.3585	399.12	
OP2.3	1.635	1.58	1.6075	472.35	
OP2.4	2.156	2.53	2.343	688.68	
OP2.5	2.161	1.739	1.95	573.09	
OP2.6	2.09	2.035	2.0625	606.18	
OP3.1	1.268	1.228	1.248	366.62	327.550
OP3.2	1.207	1.072	1.1395	334.71	
OP3.3	0.849	0.806	0.8275	242.94	
OP3.4	1.679	1.764	1.7215	505.88	
OP3.5	1.28	1.276	1.278	375.44	
OP3.6	0.453	0.5	0.4765	139.71	



2. Hasil Pengukuran Kadar NO

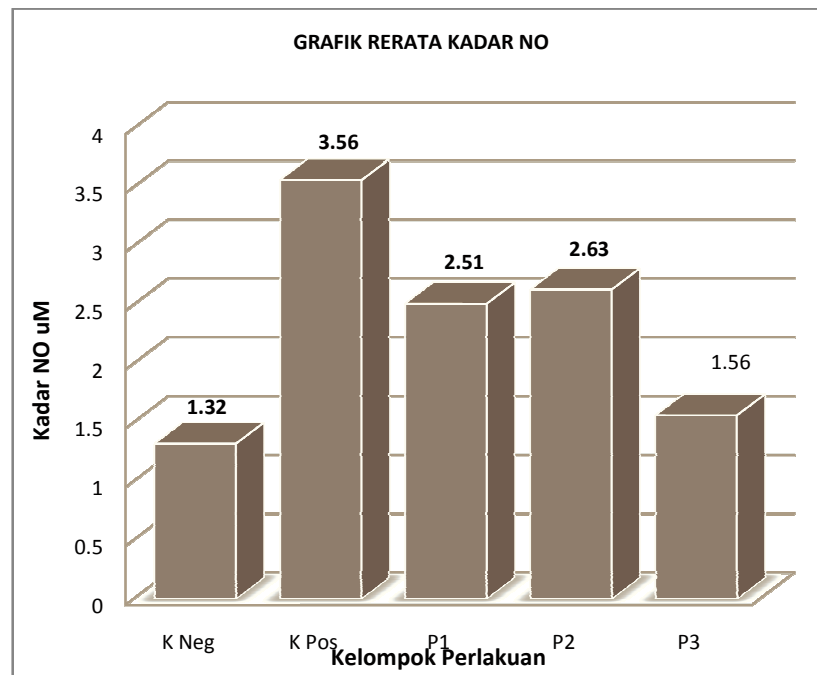
DATA PENGAMATAN ABSORBANSI STANDAR NO
PADA PANJANG GELOMBANG 550 nm

NO	KADAR (μ M)	ABSORBANSI
1.	0.0488	0.027
2.	0.0976	0.032
3.	0.1953	0.056
4.	0.3906	0.057
5.	0.7812	0.084
6.	1.5625	0.144
7.	3.1250	0.248
8.	6.2500	0.460
9.	12.500	0.847
10.	25.000	1.561
11.	50.000	2.828



DATA PENGAMATAN ABSORBANSI DAN KADAR NO

KELOMPOK	OD-1	OD-2	MEAN	KADAR Um	RERATAKADAR (uM)
OK-1	0.093	0.112	0.1025	1.75	1.32
OK-2	0.065	0.059	0.062	1.04	
OK-3	0.061	0.063	0.062	1.04	
OK-4	0.092	0.074	0.083	1.41	
OK-5	0.052	0.147	0.0995	1.7	
OK-6	0.063	0.053	0.058	0.96	
OK+1	0.188	0.16	0.174	3.01	3.56
OK+2	0.157	0.165	0.161	2.78	
OK+3	0.17	0.167	0.1685	2.91	
OK+4	0.157	0.136	0.1465	2.52	
OK+5	0.064	0.065	0.0645	1.08	
OK+6	0.498	0.531	0.5145	9.03	
OP1.1	0.059	0.051	0.055	0.91	2.51
OP1.2	0.32	0.347	0.3335	5.83	
OP1.3	0.078	0.082	0.08	1.35	
OP1.4	0.116	0.101	0.1085	1.85	
OP1.5	0.172	0.158	0.165	2.85	
OP1.6	0.127	0.131	0.129	2.22	
OP2.1	0.207	0.21	0.2085	3.62	2.64
OP2.2	0.119	0.095	0.107	1.83	
OP2.3	0.335	0.345	0.34	5.95	
OP2.4	0.135	0.14	0.1375	2.37	
OP2.5	0.053	0.066	0.0595	0.99	
OP2.6	0.066	0.062	0.064	1.07	
OP3.1	0.09	0.084	0.087	1.48	1.56
OP3.2	0.1	0.094	0.097	1.65	
OP3.3	0.046	0.041	0.0435	0.71	
OP3.4	0.113	0.116	0.1145	1.96	
OP3.5	0.083	0.097	0.09	1.53	
OP3.6	0.115	0.118	0.1165	1.99	



HASIL ANALISA STATISTIK

1. Hasil analisis statistik kadar TNF- α

Descriptives				
KELOMPOK PERLAKUAN			Statistic	Std. Error
RERATA KADAR TNF α	kontrolnegatif	Mean	300.2950	44.86686
		95% Confidence Interval for	Lower Bound	
		Mean	Upper Bound	
		5% Trimmed Mean	299.7556	
		Median	281.1050	
		Variance	12078.210	
		Std. Deviation	109.90091	
		Minimum	151.77	
		Maximum	458.53	
		Range	306.76	
		Interquartile Range	189.52	
		Skewness	.252	
		Kurtosis	-.520	
	kontrolpositif	Mean	550.2950	29.40210
		95% Confidence Interval for	Lower Bound	
		Mean	Upper Bound	
		5% Trimmed Mean	549.5433	
		Median	548.9000	
		Variance	5186.903	
		Std. Deviation	72.02015	
		Minimum	456.03	
		Maximum	658.09	
		Range	202.06	
		Interquartile Range	126.95	
		Skewness	.265	
		Kurtosis	-.308	
P1		Mean	390.3433	28.19935
		95% Confidence Interval for	Lower Bound	
		Mean	Upper Bound	
		5% Trimmed Mean	391.3293	
		Median	416.2500	
		Variance	4771.220	
		Std. Deviation	69.07402	

		Minimum		302.06	
		Maximum		460.88	
		Range		158.82	
		Interquartile Range		139.52	
		Skewness		-.674	.845
		Kurtosis		-1.869	1.741
	P2	Mean		517.6733	51.34002
		95% Confidence Interval for	Lower Bound	385.6996	
		Mean	Upper Bound	649.6471	
		5% Trimmed Mean		516.5648	
		Median		522.7200	
		Variance		15814.785	
		Std. Deviation		125.75685	
		Minimum		366.62	
		Maximum		688.68	
		Range		322.06	
		Interquartile Range		235.81	
		Skewness		.099	.845
		Kurtosis		-1.637	1.741
	P3	Mean		327.5500	51.02793
		95% Confidence Interval for	Lower Bound	196.3785	
		Mean	Upper Bound	458.7215	
		5% Trimmed Mean		328.0783	
		Median		350.6650	
		Variance		15623.098	
		Std. Deviation		124.99239	
		Minimum		139.71	
		Maximum		505.88	
		Range		366.17	
		Interquartile Range		190.92	
		Skewness		-.214	.845
		Kurtosis		.390	1.741

Tests of Normality

	KELOMPOK PERLAKUAN	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
RERATA KADAR TNFAlfa	kontrolnegatif	.162	6	.200 [*]	.978	6	.943
	kontrolpositif	.123	6	.200 [*]	.989	6	.987
	P1	.244	6	.200 [*]	.841	6	.134
	P2	.170	6	.200 [*]	.950	6	.741
	P3	.190	6	.200 [*]	.971	6	.901

a. Lilliefors Significance Correction

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

ANOVA

1

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	301459.991	4	75364.998	7.042	.001
Within Groups	267539.058	25	10701.562		
Total	568999.049	29			

Multiple Comparisons

1

LSD

(I) Perlakuan	(J) Perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
KONTROL NEGATIF	KONTROL POSITIF	-250.00000*	59.72594	.000	-373.0079	-126.9921
	P1	-89.88167	59.72594	.145	-212.8895	33.1262
	P2	-217.37833*	59.72594	.001	-340.3862	-94.3705
	P3	-27.25500	59.72594	.652	-150.2629	95.7529
KONTROL POSITIF	KONTROL NEGATIF	250.00000*	59.72594	.000	126.9921	373.0079
	P1	160.11833*	59.72594	.013	37.1105	283.1262
	P2	32.62167	59.72594	.590	-90.3862	155.6295
	P3	222.74500*	59.72594	.001	99.7371	345.7529
P1	KONTROL NEGATIF	89.88167	59.72594	.145	-33.1262	212.8895
	KONTROL POSITIF	-160.11833*	59.72594	.013	-283.1262	-37.1105
	P2	-127.49667*	59.72594	.043	-250.5045	-4.4888
	P3	62.62667	59.72594	.304	-60.3812	185.6345
P2	KONTROL NEGATIF	217.37833*	59.72594	.001	94.3705	340.3862
	KONTROL POSITIF	-32.62167	59.72594	.590	-155.6295	90.3862
	P1	127.49667*	59.72594	.043	4.4888	250.5045
	P3	190.12333*	59.72594	.004	67.1155	313.1312
P3	KONTROL NEGATIF	27.25500	59.72594	.652	-95.7529	150.2629
	KONTROL POSITIF	-222.74500*	59.72594	.001	-345.7529	-99.7371
	P1	-62.62667	59.72594	.304	-185.6345	60.3812
	P2	-190.12333*	59.72594	.004	-313.1312	-67.1155

*. The mean difference is significant at the 0.05 level.

2. Hasil analisis statistik kadar NO

Descriptives

KELOMPOK PERLAKUAN				Statistic	Std. Error
RERATA KADAR NO	kontrolnegatif	Mean		1.3167	.14419
		95% Confidence Interval for			
		Lower Bound		.9460	
		Mean			
		Upper Bound		1.6873	
		5% Trimmed Mean		1.3124	
		Median		1.2250	
		Variance		.125	
		Std. Deviation		.35319	
		Minimum		.96	

	Maximum		1.75	
	Range		.79	
	Interquartile Range		.69	
	Skewness		.346	.845
	Kurtosis		-2.434	1.741
kontrolpositif	Mean		3.5550	1.13264
	95% Confidence Interval for	Lower Bound	.6435	
	Mean	Upper Bound	6.4665	
	5% Trimmed Mean		3.3883	
	Median		2.8450	
	Variance		7.697	
	Std. Deviation		2.77439	
	Minimum		1.08	
	Maximum		9.03	
	Range		7.95	
	Interquartile Range		2.35	
	Skewness		2.064	.845
	Kurtosis		4.830	1.741
P1	Mean		2.5017	.72025
	95% Confidence Interval for	Lower Bound	.6502	
	Mean	Upper Bound	4.3531	
	5% Trimmed Mean		2.4052	
	Median		2.0350	
	Variance		3.113	
	Std. Deviation		1.76425	
	Minimum		.91	
	Maximum		5.83	
	Range		4.92	
	Interquartile Range		2.36	
	Skewness		1.697	.845
	Kurtosis		3.222	1.741
P2	Mean		2.6383	.77099
	95% Confidence Interval for	Lower Bound	.6564	
	Mean	Upper Bound	4.6202	
	5% Trimmed Mean		2.5459	
	Median		2.1000	
	Variance		3.567	
	Std. Deviation		1.88854	

	Minimum		.99	
	Maximum		5.95	
	Range		4.96	
	Interquartile Range		3.15	
	Skewness		1.264	.845
	Kurtosis		1.183	1.741
P3	Mean		1.5533	.18996
	95% Confidence Interval for Mean	Lower Bound	1.0650	
		Upper Bound	2.0416	
	5% Trimmed Mean		1.5759	
	Median		1.5900	
	Variance		.217	
	Std. Deviation		.46530	
	Minimum		.71	
	Maximum		1.99	
	Range		1.28	
	Interquartile Range		.68	
	Skewness		-1.336	.845
	Kurtosis		2.257	1.741

Tests of Normality							
KELOMPOK PERLAKUAN		Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
RERATA KADAR NO	kontrolnegatif	.283	6	.144	.845	6	.143
	kontrolpositif	.411	6	.002	.719	6	.010
	P1	.255	6	.200 [*]	.841	6	.132
	P2	.223	6	.200 [*]	.876	6	.252
	P3	.271	6	.193	.866	6	.211

a. Lilliefors Significance Correction

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

Kruskal- Wallis Tests

Ranks			
KELOMPOK PERLAKUAN		N	Mean Rank
RERATA KADAR NO	kontrolnegatif	6	8.83
	kontrolpositif	6	22.33
	P1	6	16.67
	P2	6	17.33
	P3	6	12.33
Total		30	

Test Statistics ^{a,b}	
	RERATA KADAR NO
Chi-Square	8.200
Df	4
Asymp. Sig.	.085

a. Kruskal Wallis Test

b. Grouping Variable: KELOMPOK
PERLAKUAN

3. Analisis Statistik Korelasi Kadar TNF- α dan NO

Nonparametric Correlations

Correlations			RERATA KADAR TNFAlfa	RERATA KADAR NO
Spearman's rho	RERATA KADAR TNFAlfa	Correlation Coefficient	1.000	.255
		Sig. (2-tailed)	.	.174
		N	30	30
	RERATA KADAR NO	Correlation Coefficient	.255	1.000
		Sig. (2-tailed)	.174	.
		N	30	30

Correlations												
			TNF_K NEG	TNF_K POS	TNF_ P1	TNF_ P2	TNF_ P3	NO_K NEG	NO_K POS	NO_P1	NO_P2	NO_P3
Spearman's rho	TNF_KNEG	Correlation Coefficient	1.000	-.086	-.257	.714	-.029	-.551	-.086	-.029	.257	.314
		Sig. (2-tailed)	.	.872	.623	.111	.957	.257	.872	.957	.623	.544
		N	6	6	6	6	6	6	6	6	6	6
	TNF_KPOS	Correlation Coefficient	-.086	1.000	.371	-.257	.257	.609	.143	-.943**	.714	-.657
		Sig. (2-tailed)	.872	.	.468	.623	.623	.200	.787	.005	.111	.156
		N	6	6	6	6	6	6	6	6	6	6
	TNF_P1	Correlation Coefficient	-.257	.371	1.000	.086	.429	.522	.200	-.429	-.029	.314
		Sig. (2-tailed)	.623	.468	.	.872	.397	.288	.704	.397	.957	.544
		N	6	6	6	6	6	6	6	6	6	6
	TNF_P2	Correlation Coefficient	.714	-.257	.086	1.000	.200	-.348	-.257	.200	-.371	.657
		Sig. (2-tailed)	.111	.623	.872	.	.704	.499	.623	.704	.468	.156
		N	6	6	6	6	6	6	6	6	6	6
	TNF_P3	Correlation Coefficient	-.029	.257	.429	.200	1.000	.754	-.771	-.029	-.086	-.029
		Sig. (2-tailed)	.957	.623	.397	.704	.	.084	.072	.957	.872	.957

	tailed)										
	N	6	6	6	6	6	6	6	6	6	6
NO_KNEG	Correlation Coefficient	-.551	.609	.522	-.348	.754	1.000	-.406	-.377	.116	-.464
	Sig. (2-tailed)	.257	.200	.288	.499	.084	.	.425	.461	.827	.354
	N	6	6	6	6	6	6	6	6	6	6
NO_KPOS	Correlation Coefficient	-.086	.143	.200	-.257	-.771	-.406	1.000	-.429	.314	.086
	Sig. (2-tailed)	.872	.787	.704	.623	.072	.425	.	.397	.544	.872
	N	6	6	6	6	6	6	6	6	6	6
NO_P1	Correlation Coefficient	-.029	-.943**	-.429	.200	-.029	-.377	-.429	1.000	-.771	.486
	Sig. (2-tailed)	.957	.005	.397	.704	.957	.461	.397	.	.072	.329
	N	6	6	6	6	6	6	6	6	6	6
NO_P2	Correlation Coefficient	.257	.714	-.029	-.371	-.086	.116	.314	-.771	1.000	-.600
	Sig. (2-tailed)	.623	.111	.957	.468	.872	.827	.544	.072	.	.208
	N	6	6	6	6	6	6	6	6	6	6
NO_P3	Correlation Coefficient	.314	-.657	.314	.657	-.029	-.464	.086	.486	-.600	1.000
	Sig. (2-tailed)	.544	.156	.544	.156	.957	.354	.872	.329	.208	.
	N	6	6	6	6	6	6	6	6	6	6

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