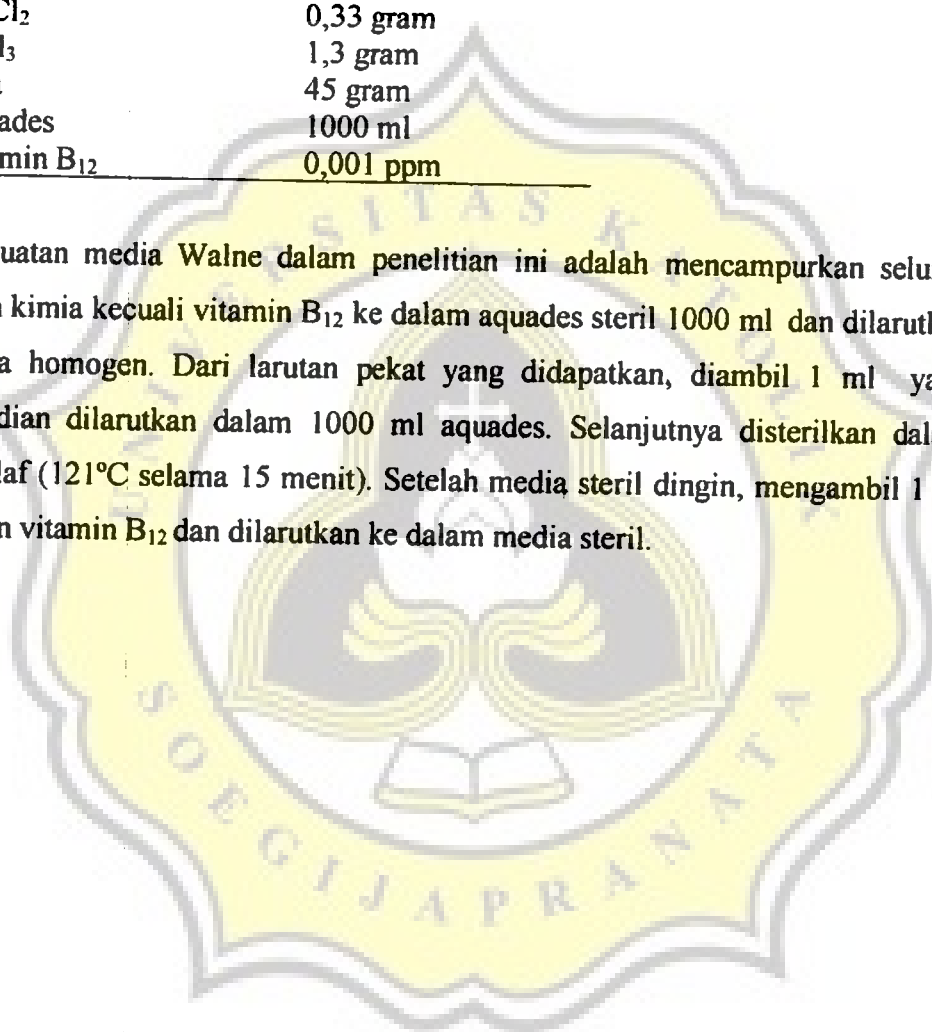


LAMPIRAN 1. Pembuatan Media Walne

Tabel 7. Komposisi Media Walne

Nama bahan kimia	Ukuran
NH ₄ NO ₃	100 gram
NaH ₂ PO ₄	20 gram
K ₂ HPO ₄	33,6 gram
MnCl ₂	0,33 gram
FeCl ₃	1,3 gram
Edta	45 gram
Aquades	1000 ml
Vitamin B ₁₂	0,001 ppm

Pembuatan media Walne dalam penelitian ini adalah mencampurkan seluruh bahan kimia kecuali vitamin B₁₂ ke dalam aquades steril 1000 ml dan dilarutkan hingga homogen. Dari larutan pekat yang didapatkan, diambil 1 ml yang kemudian dilarutkan dalam 1000 ml aquades. Selanjutnya disterilkan dalam autoklaf (121°C selama 15 menit). Setelah media steril dingin, mengambil 1 ml larutan vitamin B₁₂ dan dilarutkan ke dalam media steril.



LAMPIRAN 2a. Analisa Data Pengukuran Protein

UJI NORMALITAS

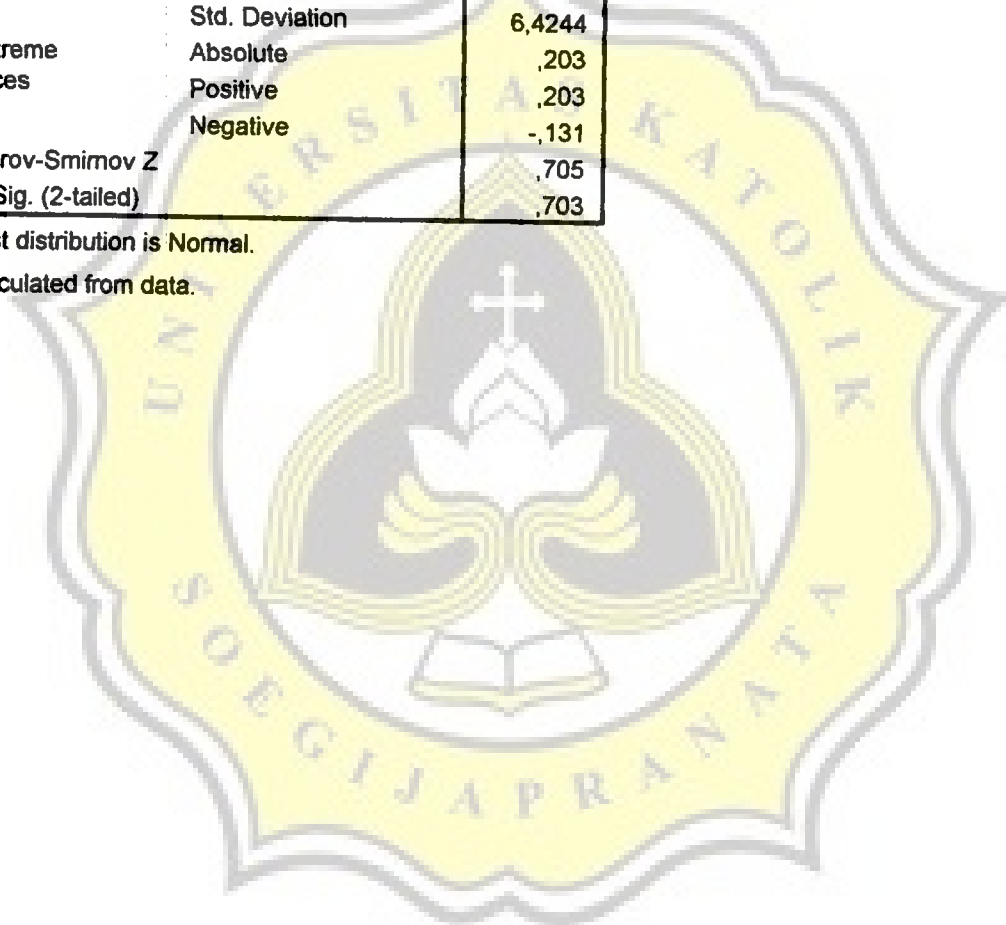
NPar Tests

One-Sample Kolmogorov-Smirnov Test

		PROTEIN
N		12
Normal Parameters ^{a,b}	Mean	57,6396
	Std. Deviation	6,4244
Most Extreme Differences	Absolute	,203
	Positive	,203
	Negative	-,131
Kolmogorov-Smirnov Z		,705
Asymp. Sig. (2-tailed)		,703

a. Test distribution is Normal.

b. Calculated from data.



LAMPIRAN 2b. Analisa Data Pengukuran Protein

ANOVA

ANOVA

PROTEIN

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	415,737	5	83,147	13,039	,004
Within Groups	38,260	6	6,377		
Total	453,997	11			

Post Hoc Tests

PROTEIN

Duncan^a

KONSENTR	N	Subset for alpha = .05			
		1	2	3	4
0%	2	50,3400			
25%	2	52,5150			
10%	2	54,7150	54,7150		
50%	2		59,1250	59,1250	
75%	2			61,2950	
100%	2				67,8475
Sig.		,145	,131	,423	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 2,000.

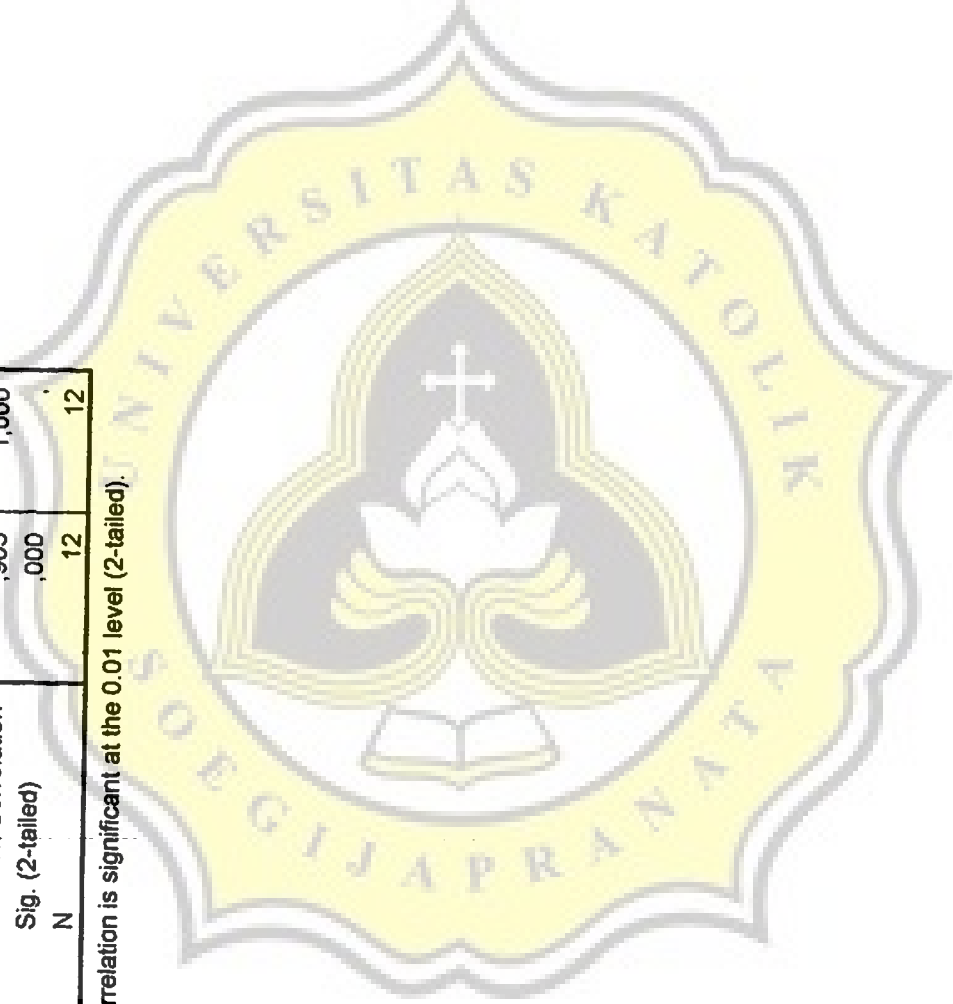
LAMPIRAN 3. Analisa Korelasi Pengukuran Protein

Correlations

Correlations

	KONSENTR	PROTEIN
KONSENTR		
Pearson Correlation	1,000	,903**
Sig. (2-tailed)		,000
N	12	12
PROTEIN		
Pearson Correlation	,903**	1,000
Sig. (2-tailed)	,000	
N	12	12

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



LAMPIRAN 4. Analisa Korelasi Nitrat dan Karbondioksida Bebas

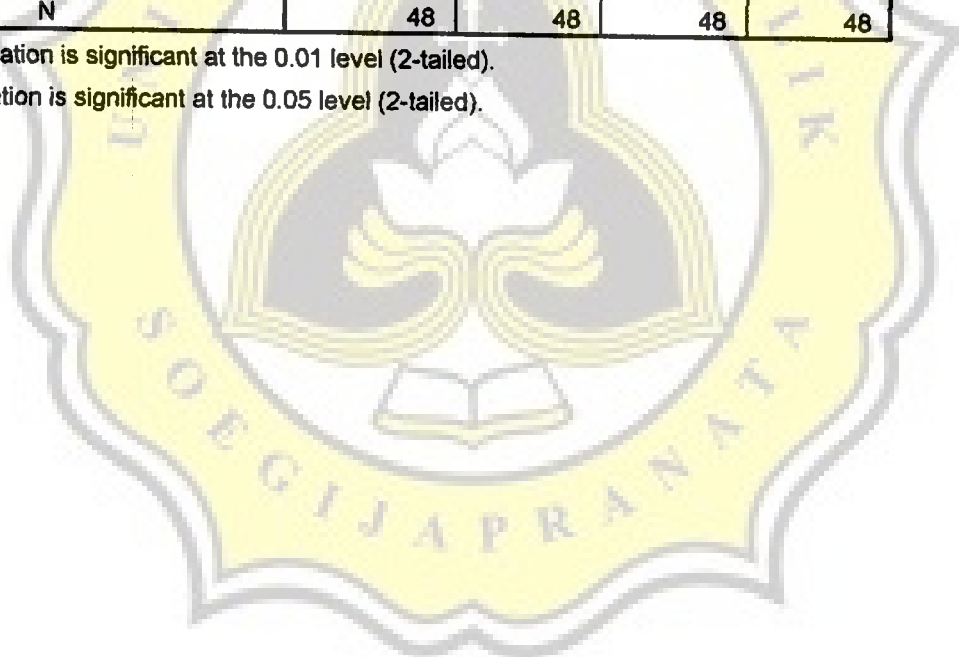
Correlations

Correlations

		KONSENTR	HARI	NITRAT	CO2
KONSENTR	Pearson Correlation	1,000	,000	,766**	,584**
	Sig. (2-tailed)		1,000	,000	,000
	N	48	48	48	48
HARI	Pearson Correlation	,000	1,000	,368*	-,591**
	Sig. (2-tailed)	1,000		,010	,000
	N	48	48	48	48
NITRAT	Pearson Correlation	,766**	,368*	1,000	,313*
	Sig. (2-tailed)	,000	,010		,030
	N	48	48	48	48
CO2	Pearson Correlation	,584**	-,591**	,313*	1,000
	Sig. (2-tailed)	,000	,000	,030	
	N	48	48	48	48

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

* . Correlation is significant at the 0.05 level (2-tailed).



LAMPIRAN 5a. Analisa Regresi Kurva Standar Nitrat

Regression

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	NITRAT ^a		Enter

a. All requested variables entered.

b. Dependent Variable: ABSORB

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	,877 ^a	,769	,711	3,0831E-02

a. Predictors: (Constant), NITRAT

b. Dependent Variable: ABSORB

ANOVA^b

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	1,266E-02	1	1,266E-02	13,322	,022 ^a
	Residual	3,802E-03	4	9,506E-04		
	Total	1,647E-02	5			

a. Predictors: (Constant), NITRAT

b. Dependent Variable: ABSORB

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	4,403E-02	,018		2,486	,068
	NITRAT	31,488	8,627	,877	3,650	,022

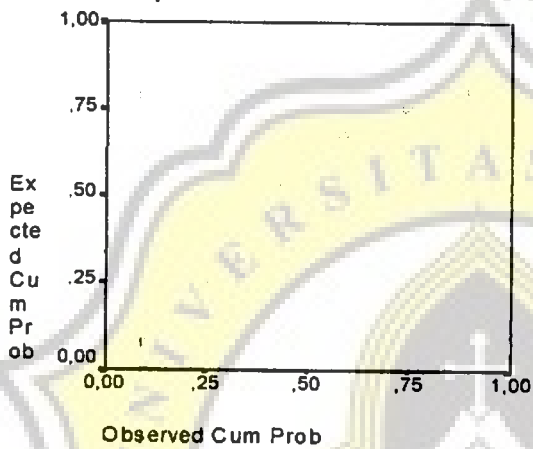
a. Dependent Variable: ABSORB

LAMPIRAN 5b. Analisa Regresi Kurva Standar Nitrat

Charts

Normal P-P Plot of Regression Star

Dependent Variable: ABSORB



Scatterplot

Dependent Variable: ABSORB

