

# LAMPIRAN 1. Hasil Uji Mann Whitney-U (Nonparametrik) Isolat Protein Koro Begog (*Canavalia ensiformis*)

## NPar Tests

### Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
YIELD	16	3,283129	,222529	2,9629	3,7574
DRYPROT	16	82,414839	3,138879	77,3373	88,0000
TTL.PROT	16	2,702527	,158185	2,4316	3,1053
PH	16	2,50	1,15	1	4

## Kruskal-Wallis Test

### Ranks

	PH	N	Mean Rank
YIELD	pH 4,2	4	13,25
	pH 4,4	4	11,75
	pH 4,6	4	5,25
	pH 4,8	4	3,75
	Total	16	
DRYPROT	pH 4,2	4	2,50
	pH 4,4	4	10,50
	pH 4,6	4	14,50
	pH 4,8	4	6,50
	Total	16	
TTL.PROT	pH 4,2	4	9,75
	pH 4,4	4	12,25
	pH 4,6	4	9,50
	pH 4,8	4	2,50
	Total	16	

### Test Statistics<sup>a,b</sup>

	YIELD	DRYPROT	TTL.PROT
Chi-Square	11,691	14,118	9,287
df	3	3	3
Asymp. Sig.	,009	,003	,026

a. Kruskal Wallis Test

b. Grouping Variable: PH

## Mann-Whitney Test

Ranks

	PH	N	Mean Rank	Sum of Ranks
YIELD	pH 4,2	4	5,25	21,00
	pH 4,4	4	3,75	15,00
	Total	8		
DRYPROT	pH 4,2	4	2,50	10,00
	pH 4,4	4	6,50	26,00
	Total	8		
TTL.PROT	pH 4,2	4	3,75	15,00
	pH 4,4	4	5,25	21,00
	Total	8		

Test Statistics<sup>b</sup>

	YIELD	DRYPROT	TTL.PROT
Mann-Whitney U	5,000	,000	5,000
Wilcoxon W	15,000	10,000	15,000
Z	-,866	-2,309	-,866
Asymp. Sig. (2-tailed)	,386	,021	,386
Exact Sig. [2*(1-tailed Sig.)]	,486 <sup>a</sup>	,029 <sup>a</sup>	,486 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: PH

## Mann-Whitney Test

### Ranks

	PH	N	Mean Rank	Sum of Ranks
YIELD	pH 4,2	4	6,50	26,00
	pH 4,6	4	2,50	10,00
	Total	8		
DRYPROT	pH 4,2	4	2,50	10,00
	pH 4,6	4	6,50	26,00
	Total	8		
TTL.PROT	pH 4,2	4	4,50	18,00
	pH 4,6	4	4,50	18,00
	Total	8		

### Test Statistics<sup>b</sup>

	YIELD	DRYPROT	TTL.PROT
Mann-Whitney U	,000	,000	8,000
Wilcoxon W	10,000	10,000	18,000
Z	-2,309	-2,309	,000
Asymp. Sig. (2-tailed)	,021	,021	1,000
Exact Sig. [2*(1-tailed Sig.)]	,029 <sup>a</sup>	,029 <sup>a</sup>	1,000 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: PH

## Mann-Whitney Test

Ranks

	PH	N	Mean Rank	Sum of Ranks
YIELD	pH 4,2	4	6,50	26,00
	pH 4,8	4	2,50	10,00
	Total	8		
DRYPROT	pH 4,2	4	2,50	10,00
	pH 4,8	4	6,50	26,00
	Total	8		
TTL.PROT	pH 4,2	4	6,50	26,00
	pH 4,8	4	2,50	10,00
	Total	8		

Test Statistics<sup>b</sup>

	YIELD	DRYPROT	TTL.PROT
Mann-Whitney U	,000	,000	,000
Wilcoxon W	10,000	10,000	10,000
Z	-2,309	-2,309	-2,309
Asymp. Sig. (2-tailed)	,021	,021	,021
Exact Sig. [2*(1-tailed Sig.)]	,029 <sup>a</sup>	,029 <sup>a</sup>	,029 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: PH

## Mann-Whitney Test

### Ranks

	PH	N	Mean Rank	Sum of Ranks
YIELD	pH 4,4	4	6,50	26,00
	pH 4,6	4	2,50	10,00
	Total	8		
DRYPROT	pH 4,4	4	2,50	10,00
	pH 4,6	4	6,50	26,00
	Total	8		
TTL.PROT	pH 4,4	4	5,50	22,00
	pH 4,6	4	3,50	14,00
	Total	8		

### Test Statistics<sup>b</sup>

	YIELD	DRYPROT	TTL.PROT
Mann-Whitney U	,000	,000	4,000
Wilcoxon W	10,000	10,000	14,000
Z	-2,309	-2,309	-1,155
Asymp. Sig. (2-tailed)	,021	,021	,248
Exact Sig. [2*(1-tailed Sig.)]	,029 <sup>a</sup>	,029 <sup>a</sup>	,343 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: PH

## Mann-Whitney Test

**Ranks**

	PH	N	Mean Rank	Sum of Ranks
YIELD	pH 4,4	4	6,50	26,00
	pH 4,8	4	2,50	10,00
	Total	8		
DRYPROT	pH 4,4	4	6,50	26,00
	pH 4,8	4	2,50	10,00
	Total	8		
TTL.PROT	pH 4,4	4	6,50	26,00
	pH 4,8	4	2,50	10,00
	Total	8		

**Test Statistics<sup>b</sup>**

	YIELD	DRYPROT	TTL.PROT
Mann-Whitney U	,000	,000	,000
Wilcoxon W	10,000	10,000	10,000
Z	-2,309	-2,309	-2,309
Asymp. Sig. (2-tailed)	,021	,021	,021
Exact Sig. [2*(1-tailed Sig.)]	,029 <sup>a</sup>	,029 <sup>a</sup>	,029 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: PH

## Mann-Whitney Test

Ranks

	PH	N	Mean Rank	Sum of Ranks
YIELD	pH 4,6	4	5,25	21,00
	pH 4,8	4	3,75	15,00
	Total	8		
DRYPROT	pH 4,6	4	6,50	26,00
	pH 4,8	4	2,50	10,00
	Total	8		
TTL.PROT	pH 4,6	4	6,50	26,00
	pH 4,8	4	2,50	10,00
	Total	8		

Test Statistics<sup>b</sup>

	YIELD	DRYPROT	TTL.PROT
Mann-Whitney U	5,000	,000	,000
Wilcoxon W	15,000	10,000	10,000
Z	-,866	-2,309	-2,309
Asymp. Sig. (2-tailed)	,386	,021	,021
Exact Sig. [2*(1-tailed Sig.)]	,486 <sup>a</sup>	,029 <sup>a</sup>	,029 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: PH

## LAMPIRAN 2. Hasil Uji Mann Whitney-U (Nonparametrik) Isolat Protein Koro Benguk (*Mucuna pruriens*)

### NPar Tests

#### Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
YIELD	16	2,643143	,222495	2,0229	2,9144
DRYPROT	16	79,6688	3,7003	73,14	84,29
TTLPROT	16	2,111340	,252644	1,4795	2,4476
PH	16	2,50	1,15	1	4

### Kruskal-Wallis Test

#### Ranks

	PH	N	Mean Rank
YIELD	pH 3,8	4	14,50
	pH 4,0	4	9,75
	pH 4,2	4	2,50
	pH 4,4	4	7,25
	Total	16	
DRYPROT	pH 3,8	4	12,75
	pH 4,0	4	12,25
	pH 4,2	4	4,75
	pH 4,4	4	4,25
	Total	16	
TTLPROT	pH 3,8	4	14,50
	pH 4,0	4	10,50
	pH 4,2	4	3,00
	pH 4,4	4	6,00
	Total	16	

#### Test Statistics<sup>a,b</sup>

	YIELD	DRYPROT	TTLPROT
Chi-Square	13,257	11,338	13,500
df	3	3	3
Asymp. Sig.	,004	,010	,004

a. Kruskal Wallis Test

b. Grouping Variable: PH



## Mann-Whitney Test

Ranks

	PH	N	Mean Rank	Sum of Ranks
YIELD	pH 3,8	4	6,50	26,00
	pH 4,0	4	2,50	10,00
	Total	8		
DRYPROT	pH 3,8	4	4,75	19,00
	pH 4,0	4	4,25	17,00
	Total	8		
TTLPROT	pH 3,8	4	6,50	26,00
	pH 4,0	4	2,50	10,00
	Total	8		

Test Statistics<sup>b</sup>

	YIELD	DRYPROT	TTLPROT
Mann-Whitney U	,000	7,000	,000
Wilcoxon W	10,000	17,000	10,000
Z	-2,309	-,289	-2,309
Asymp. Sig. (2-tailed)	,021	,773	,021
Exact Sig. [2*(1-tailed Sig.)]	,029 <sup>a</sup>	,886 <sup>a</sup>	,029 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: PH

## Mann-Whitney Test

Ranks

	PH	N	Mean Rank	Sum of Ranks
YIELD	pH 3,8	4	6,50	26,00
	pH 4,2	4	2,50	10,00
	Total	8		
DRYPROT	pH 3,8	4	6,50	26,00
	pH 4,2	4	2,50	10,00
	Total	8		
TTLPROT	pH 3,8	4	6,50	26,00
	pH 4,2	4	2,50	10,00
	Total	8		

Test Statistics<sup>b</sup>

	YIELD	DRYPROT	TTLPROT
Mann-Whitney U	,000	,000	,000
Wilcoxon W	10,000	10,000	10,000
Z	-2,309	-2,309	-2,309
Asymp. Sig. (2-tailed)	,021	,021	,021
Exact Sig. [2*(1-tailed Sig.)]	,029 <sup>a</sup>	,029 <sup>a</sup>	,029 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: PH

## Mann-Whitney Test

Ranks

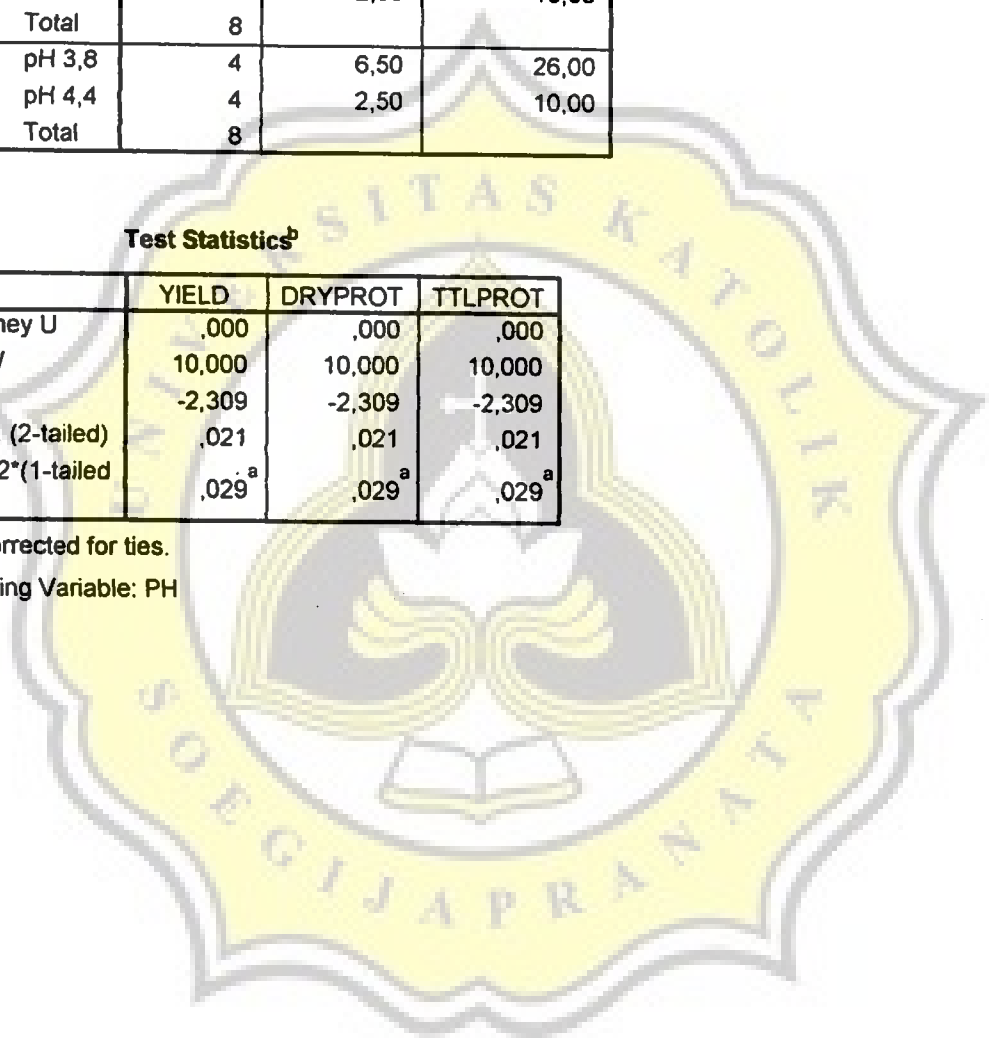
	PH	N	Mean Rank	Sum of Ranks
YIELD	pH 3,8	4	6,50	26,00
	pH 4,4	4	2,50	10,00
	Total	8		
DRYPROT	pH 3,8	4	6,50	26,00
	pH 4,4	4	2,50	10,00
	Total	8		
TTLPROT	pH 3,8	4	6,50	26,00
	pH 4,4	4	2,50	10,00
	Total	8		

Test Statistics<sup>b</sup>

	YIELD	DRYPROT	TTLPROT
Mann-Whitney U	,000	,000	,000
Wilcoxon W	10,000	10,000	10,000
Z	-2,309	-2,309	-2,309
Asymp. Sig. (2-tailed)	,021	,021	,021
Exact Sig. [2*(1-tailed Sig.)]	,029 <sup>a</sup>	,029 <sup>a</sup>	,029 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: PH



## Mann-Whitney Test

Ranks

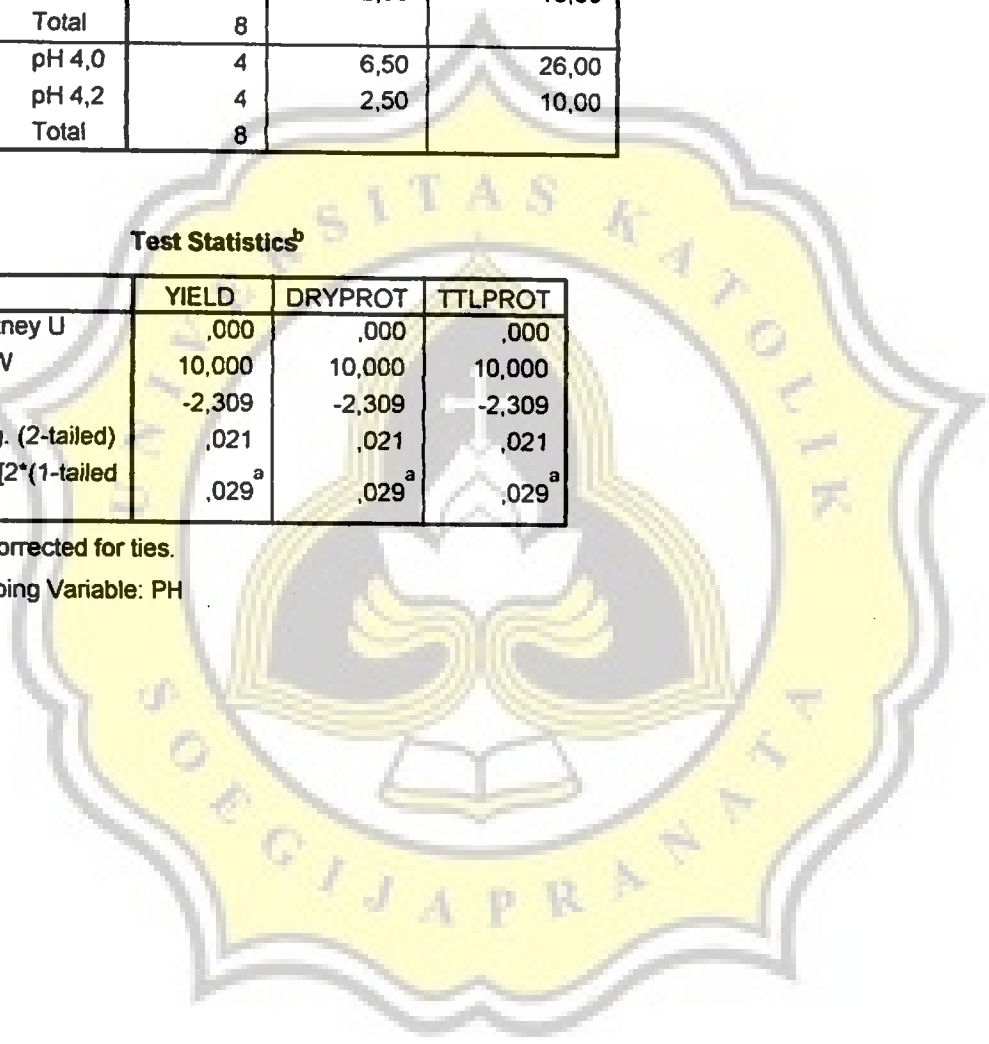
	PH	N	Mean Rank	Sum of Ranks
YIELD	pH 4,0	4	6,50	26,00
	pH 4,2	4	2,50	10,00
	Total	8		
DRYPROT	pH 4,0	4	6,50	26,00
	pH 4,2	4	2,50	10,00
	Total	8		
TTLPROT	pH 4,0	4	6,50	26,00
	pH 4,2	4	2,50	10,00
	Total	8		

Test Statistics<sup>b</sup>

	YIELD	DRYPROT	TTLPROT
Mann-Whitney U	,000	,000	,000
Wilcoxon W	10,000	10,000	10,000
Z	-2,309	-2,309	-2,309
Asymp. Sig. (2-tailed)	,021	,021	,021
Exact Sig. [2*(1-tailed Sig.)]	,029 <sup>a</sup>	,029 <sup>a</sup>	,029 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: PH



## Mann-Whitney Test

### Ranks

	PH	N	Mean Rank	Sum of Ranks
YIELD	pH 4,0	4	5,75	23,00
	pH 4,4	4	3,25	13,00
	Total	8		
DRYPROT	pH 4,0	4	6,50	26,00
	pH 4,4	4	2,50	10,00
	Total	8		
TTLPROT	pH 4,0	4	6,50	26,00
	pH 4,4	4	2,50	10,00
	Total	8		

### Test Statistics<sup>b</sup>

	YIELD	DRYPROT	TTLPROT
Mann-Whitney U	3,000	,000	,000
Wilcoxon W	13,000	10,000	10,000
Z	-1,443	-2,309	-2,309
Asymp. Sig. (2-tailed)	,149	,021	,021
Exact Sig. [2*(1-tailed Sig.)]	,200 <sup>a</sup>	,029 <sup>a</sup>	,029 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: PH

## Mann-Whitney Test

Ranks

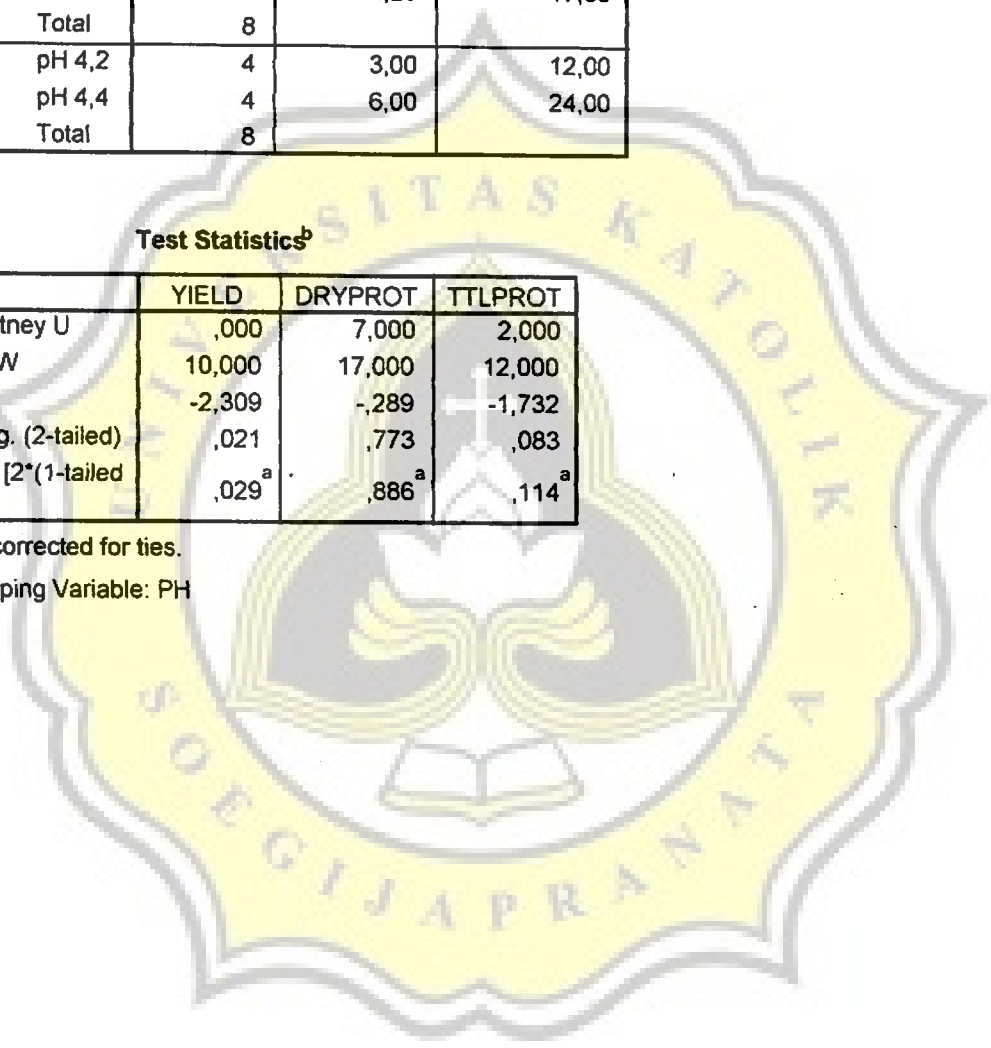
	PH	N	Mean Rank	Sum of Ranks
YIELD	pH 4,2	4	2,50	10,00
	pH 4,4	4	6,50	26,00
	Total	8		
DRYPROT	pH 4,2	4	4,75	19,00
	pH 4,4	4	4,25	17,00
	Total	8		
TTLPROT	pH 4,2	4	3,00	12,00
	pH 4,4	4	6,00	24,00
	Total	8		

Test Statistics<sup>b</sup>

	YIELD	DRYPROT	TTLPROT
Mann-Whitney U	,000	7,000	2,000
Wilcoxon W	10,000	17,000	12,000
Z	-2,309	-,289	-1,732
Asymp. Sig. (2-tailed)	,021	,773	,083
Exact Sig. [2*(1-tailed Sig.)]	,029 <sup>a</sup>	,886 <sup>a</sup>	,114 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: PH



### LAMPIRAN 3. Hasil Uji Mann Whitney-U (Nonparametrik) Isolat Protein Koro Gude (*Cajanus cajan*)

#### NPar Tests

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
YIELD	16	2,847487	,112791	2,6656	3,0684
DRYPROT	16	83,7272	1,4811	81,98	86,77
TTLPROT	16	2,383351	8,17970E-02	2,2463	2,5388
PH	16	2,50	1,15	1	4

#### Kruskal-Wallis Test

Ranks

	PH	N	Mean Rank
YIELD	pH 4,2	4	10,25
	pH 4,4	4	14,50
	pH 4,6	4	4,50
	pH 4,8	4	4,75
	Total	16	
DRYPROT	pH 4,2	4	3,00
	pH 4,4	4	7,25
	pH 4,6	4	14,50
	pH 4,8	4	9,25
	Total	16	
TTLPROT	pH 4,2	4	6,75
	pH 4,4	4	14,50
	pH 4,6	4	9,25
	pH 4,8	4	3,50
	Total	16	

Test Statistics<sup>a,b</sup>

	YIELD	DRYPROT	TTLPROT
Chi-Square	12,199	12,066	11,404
df	3	3	3
Asymp. Sig.	,007	,007	,010

a. Kruskal Wallis Test

b. Grouping Variable: PH

## Mann-Whitney Test

### Ranks

	PH	N	Mean Rank	Sum of Ranks
YIELD	pH 4,2	4	2,50	10,00
	pH 4,4	4	6,50	26,00
	Total	8		
DRYPROT	pH 4,2	4	3,00	12,00
	pH 4,4	4	6,00	24,00
	Total	8		
TTLPROT	pH 4,2	4	2,50	10,00
	pH 4,4	4	6,50	26,00
	Total	8		

### Test Statistics<sup>b</sup>

	YIELD	DRYPROT	TTLPROT
Mann-Whitney U	,000	2,000	,000
Wilcoxon W	10,000	12,000	10,000
Z	-2,309	-1,732	-2,309
Asymp. Sig. (2-tailed)	,021	,083	,021
Exact Sig. (2*(1-tailed Sig.))	,029 <sup>a</sup>	,114 <sup>a</sup>	,029 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: PH





## Mann-Whitney Test

### Ranks

	PH	N	Mean Rank	Sum of Ranks
YIELD	pH 4,2	4	6,50	26,00
	pH 4,6	4	2,50	10,00
	Total	8		
DRYPROT	pH 4,2	4	2,50	10,00
	pH 4,6	4	6,50	26,00
	Total	8		
TTLPROT	pH 4,2	4	3,50	14,00
	pH 4,6	4	5,50	22,00
	Total	8		

### Test Statistics<sup>b</sup>

	YIELD	DRYPROT	TTLPROT
Mann-Whitney U	,000	,000	4,000
Wilcoxon W	10,000	10,000	14,000
Z	-2,309	-2,309	-1,155
Asymp. Sig. (2-tailed)	,021	,021	,248
Exact Sig. [2*(1-tailed Sig.)]	,029 <sup>a</sup>	,029 <sup>a</sup>	,343 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: PH



## Mann-Whitney Test

**Ranks**

	PH	N	Mean Rank	Sum of Ranks
YIELD	pH 4,2	4	6,25	25,00
	pH 4,8	4	2,75	11,00
	Total	8		
DRYPROT	pH 4,2	4	2,50	10,00
	pH 4,8	4	6,50	26,00
	Total	8		
TTLPROT	pH 4,2	4	5,75	23,00
	pH 4,8	4	3,25	13,00
	Total	8		

**Test Statistics<sup>b</sup>**

	YIELD	DRYPROT	TTLPROT
Mann-Whitney U	1,000	,000	3,000
Wilcoxon W	11,000	10,000	13,000
Z	-2,021	-2,309	-1,443
Asymp. Sig. (2-tailed)	,043	,021	,149
Exact Sig. [2*(1-tailed Sig.)]	,057 <sup>a</sup>	,029 <sup>a</sup>	,200 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: PH

## Mann-Whitney Test

Ranks

	PH	N	Mean Rank	Sum of Ranks
YIELD	pH 4,4	4	6,50	26,00
	pH 4,6	4	2,50	10,00
	Total	8		
DRYPROT	pH 4,4	4	2,50	10,00
	pH 4,6	4	6,50	26,00
	Total	8		
TTLPROT	pH 4,4	4	6,50	26,00
	pH 4,6	4	2,50	10,00
	Total	8		

Test Statistics<sup>b</sup>

	YIELD	DRYPROT	TTLPROT
Mann-Whitney U	,000	,000	,000
Wilcoxon W	10,000	10,000	10,000
Z	-2,309	-2,309	-2,309
Asymp. Sig. (2-tailed)	,021	,021	,021
Exact Sig. [2*(1-tailed Sig.)]	,029 <sup>a</sup>	,029 <sup>a</sup>	,029 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: PH

## Mann-Whitney Test

### Ranks

	PH	N	Mean Rank	Sum of Ranks
YIELD	pH 4.4	4	6,50	26,00
	pH 4,8	4	2,50	10,00
	Total	8		
DRYPROT	pH 4.4	4	3,75	15,00
	pH 4,8	4	5,25	21,00
	Total	8		
TTLPROT	pH 4.4	4	6,50	26,00
	pH 4,8	4	2,50	10,00
	Total	8		

### Test Statistics<sup>b</sup>

	YIELD	DRYPROT	TTLPROT
Mann-Whitney U	,000	5,000	,000
Wilcoxon W	10,000	15,000	10,000
Z	-2,309	-,866	-2,309
Asymp. Sig. (2-tailed)	,021	,386	,021
Exact Sig. [2*(1-tailed Sig.)]	,029 <sup>a</sup>	,486 <sup>a</sup>	,029 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: PH

## Mann-Whitney Test

### Ranks

	PH	N	Mean Rank	Sum of Ranks
YIELD	pH 4,6	4	4,50	18,00
	pH 4,8	4	4,50	18,00
	Total	8		
DRYPROT	pH 4,6	4	6,50	26,00
	pH 4,8	4	2,50	10,00
	Total	8		
TTLPROT	pH 4,6	4	6,25	25,00
	pH 4,8	4	2,75	11,00
	Total	8		

### Test Statistics<sup>b</sup>

	YIELD	DRYPROT	TTLPROT
Mann-Whitney U	8,000	,000	1,000
Wilcoxon W	18,000	10,000	11,000
Z	,000	-2,309	-2,021
Asymp. Sig. (2-tailed)	1,000	,021	,043
Exact Sig. [2*(1-tailed Sig.)]	1,000 <sup>a</sup>	,029 <sup>a</sup>	,057 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: PH

## LAMPIRAN 4. Hasil Uji Mann Whitney-U (Nonparametrik) Isolat Protein Koro Glinding (*Phaseolus lunatus*)

### NPar Tests

#### Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
YIELD	16	1,408346	,203638	1,1436	1,7967
DRYPROT	16	77,7190	2,5783	74,21	83,26
TTLPROT	16	1,098695	,194807	,8729	1,4959
PH	16	2,50	1,15	1	4

### Kruskal-Wallis Test

#### Ranks

	PH	N	Mean Rank
YIELD	pH 4,4	4	14,50
	pH 4,6	4	5,25
	pH 4,8	4	5,25
	pH 5,0	4	9,00
	Total	16	
DRYPROT	pH 4,4	4	14,50
	pH 4,6	4	9,25
	pH 4,8	4	7,75
	pH 5,0	4	2,50
	Total	16	
TTLPROT	pH 4,4	4	14,50
	pH 4,6	4	6,50
	pH 4,8	4	6,25
	pH 5,0	4	6,75
	Total	16	

#### Test Statistics<sup>a,b</sup>

	YIELD	DRYPROT	TTLPROT
Chi-Square	10,125	12,904	8,493
df	3	3	3
Asymp. Sig.	,018	,005	,037

a. Kruskal Wallis Test

b. Grouping Variable: PH

## Mann-Whitney Test

Ranks

	PH	N	Mean Rank	Sum of Ranks
YIELD	pH 4,4	4	6,50	26,00
	pH 4,6	4	2,50	10,00
	Total	8		
DRYPROT	pH 4,4	4	6,50	26,00
	pH 4,6	4	2,50	10,00
	Total	8		
TTLPROT	pH 4,4	4	6,50	26,00
	pH 4,6	4	2,50	10,00
	Total	8		

Test Statistics<sup>b</sup>

	YIELD	DRYPROT	TTLPROT
Mann-Whitney U	,000	,000	,000
Wilcoxon W	10,000	10,000	10,000
Z	-2,309	-2,309	-2,309
Asymp. Sig. (2-tailed)	,021	,021	,021
Exact Sig. [2*(1-tailed Sig.)]	,029 <sup>a</sup>	,029 <sup>a</sup>	,029 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: PH



## Mann-Whitney Test

Ranks

	PH	N	Mean Rank	Sum of Ranks
YIELD	pH 4.4	4	6,50	26,00
	pH 4.8	4	2,50	10,00
	Total	8		
DRYPROT	pH 4.4	4	6,50	26,00
	pH 4.8	4	2,50	10,00
	Total	8		
TTLPROT	pH 4.4	4	6,50	26,00
	pH 4.8	4	2,50	10,00
	Total	8		

Test Statistics<sup>b</sup>

	YIELD	DRYPROT	TTLPROT
Mann-Whitney U	,000	,000	,000
Wilcoxon W	10,000	10,000	10,000
Z	-2,309	-2,309	-2,309
Asymp. Sig. (2-tailed)	,021	,021	,021
Exact Sig. [2*(1-tailed Sig.)]	,029 <sup>a</sup>	,029 <sup>a</sup>	,029 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: PH

## Mann-Whitney Test

**Ranks**

	PH	N	Mean Rank	Sum of Ranks
YIELD	pH 4,4	4	6,50	26,00
	pH 5,0	4	2,50	10,00
	Total	8		
DRYPROT	pH 4,4	4	6,50	26,00
	pH 5,0	4	2,50	10,00
	Total	8		
TTLPROT	pH 4,4	4	6,50	26,00
	pH 5,0	4	2,50	10,00
	Total	8		

**Test Statistics<sup>b</sup>**

	YIELD	DRYPROT	TTLPROT
Mann-Whitney U	,000	,000	,000
Wilcoxon W	10,000	10,000	10,000
Z	-2,309	-2,309	-2,309
Asymp. Sig. (2-tailed)	,021	,021	,021
Exact Sig. [2*(1-tailed Sig.)]	,029 <sup>a</sup>	,029 <sup>a</sup>	,029 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: PH

## Mann-Whitney Test

Ranks

	PH	N	Mean Rank	Sum of Ranks
YIELD	pH 4,6	4	4,25	17,00
	pH 4,8	4	4,75	19,00
	Total	8		
DRYPROT	pH 4,6	4	5,25	21,00
	pH 4,8	4	3,75	15,00
	Total	8		
TTLPROT	pH 4,6	4	4,50	18,00
	pH 4,8	4	4,50	18,00
	Total	8		

Test Statistics<sup>b</sup>

	YIELD	DRYPROT	TTLPROT
Mann-Whitney U	7,000	5,000	8,000
Wilcoxon W	17,000	15,000	18,000
Z	-,289	-,866	,000
Asymp. Sig. (2-tailed)	,773	,386	1,000
Exact Sig. [2*(1-tailed Sig.)]	,886 <sup>a</sup>	,486 <sup>a</sup>	1,000 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: PH

## Mann-Whitney Test

Ranks

	PH	N	Mean Rank	Sum of Ranks
YIELD	pH 4.6	4	3,50	14,00
	pH 5.0	4	5,50	22,00
	Total	8		
DRYPROT	pH 4.6	4	6,50	26,00
	pH 5.0	4	2,50	10,00
	Total	8		
TTLPROT	pH 4.6	4	4,50	18,00
	pH 5.0	4	4,50	18,00
	Total	8		

Test Statistics<sup>b</sup>

	YIELD	DRYPROT	TTLPROT
Mann-Whitney U	4,000	,000	8,000
Wilcoxon W	14,000	10,000	18,000
Z	-1,155	-2,309	,000
Asymp. Sig. (2-tailed)	,248	,021	1,000
Exact Sig. [2*(1-tailed Sig.)]	,343 <sup>a</sup>	,029 <sup>a</sup>	1,000 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: PH

## Mann-Whitney Test

Ranks

	PH	N	Mean Rank	Sum of Ranks
YIELD	pH 4.8	4	3,00	12,00
	pH 5.0	4	6,00	24,00
	Total	8		
DRYPROT	pH 4.8	4	6,50	26,00
	pH 5.0	4	2,50	10,00
	Total	8		
TTLPROT	pH 4.8	4	4,25	17,00
	pH 5.0	4	4,75	19,00
	Total	8		

Test Statistics<sup>b</sup>

	YIELD	DRYPROT	TTLPROT
Mann-Whitney U	2,000	,000	7,000
Wilcoxon W	12,000	10,000	17,000
Z	-1,732	-2,309	-,289
Asymp. Sig. (2-tailed)	,083	,021	,773
Exact Sig. [2*(1-tailed Sig.)]	,114 <sup>a</sup>	,029 <sup>a</sup>	,886 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: PH

# LAMPIRAN 5. Analisa Regresi Isolat Protein Koro Begog

## Curve Fit

MODEL: MOD\_4.

Dependent variable.. TOTALPRO

Method.. QUADRATI

Listwise Deletion of Missing Data

Multiple R ,99333  
R Square ,98670  
Adjusted R Square ,96010  
Standard Error ,02788

### Analysis of Variance:

	DF	Sum of Squares	Mean Square
Regression	2	,05768324	,02884162
Residuals	1	,00077750	,00077750

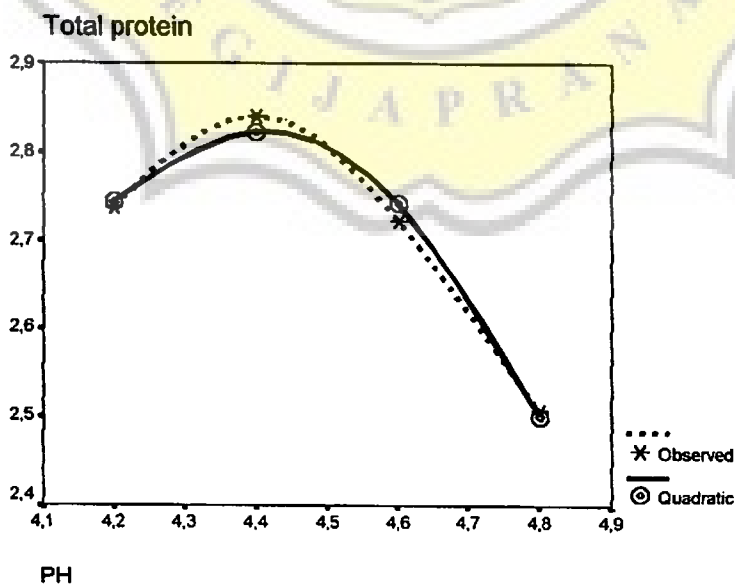
F = 37,09512      Signif F = ,1153

### Variables in the Equation

Variable	B	SE B	Beta	T	Sig T
PH	17,459237	3,137543	32,292978	5,565	,1132
PH**2	-1,984687	,348547	-33,044808	-5,694	,1107
(Constant)	-35,574875	7,046253		-5,049	,1245

The following new variables are being created:

Name	Label
FIT_1	Fit for TOTALPRO with PH from CURVEFIT, MOD_4 QUADRATIC



# LAMPIRAN 6. Analisa Regresi Isolat Protein Koro Gude

## Curve Fit

MODEL: MOD\_2.

Dependent variable.. TOTALPRO

Method.. QUADRATI

Listwise Deletion of Missing Data

Multiple R                   ,87159  
R Square                     ,75966  
Adjusted R Square         ,27899  
Standard Error             ,07119

### Analysis of Variance:

	DF	Sum of Squares	Mean Square
Regression	2	,01601711	,00800855
Residuals	1	,00506734	,00506734

F = 1,58043                   Signif F = ,4902

### ----- Variables in the Equation -----

Variable	B	SE B	Beta	T	Sig T
PH	12,237962	8,009919	37,691469	1,528	,3689
PH**2	-1,375312	,889815	-38,129720	-1,546	,3656
(Constant)	-24,768637	17,988571		-1,377	,3999

The following new variables are being created:

Name	Label
FIT_1	Fit for TOTALPRO with PH from CURVEFIT, MOD_2 QUADRATIC

