

BAB V

KESIMPULAN DAN SARAN

A. KESIMPULAN

1. Pakan buatan yang diperkaya tepung cacing tanah memberikan hasil pertambahan panjang dan berat yang lebih tinggi dibanding dengan pakan yang tidak diperkaya tepung cacing tanah (*Pheretima* sp).
2. Pakan buatan yang diperkaya tepung cacing tanah (*Pheretima* sp) pada prosentase 75 % memberikan pertambahan panjang dan berat yang paling baik dalam pemeliharaan benih ikan lele Dumbo (*Clarias gariepinus* Burch).
3. Kualitas air selama penelitian berada pada kisaran yang layak untuk kehidupan ikan lele Dumbo (*Clarias gariepinus* Burch).

B. SARAN

Pemakaian tepung cacing tanah (*Pheretima* sp) sebagai salah satu alternatif dalam pembuatan pakan ikan lele Dumbo (*Clarias gariepinus* Burch) sebaiknya dengan kadar 75 %, namun perlu dikaji lebih lanjut untuk memantapkan prosentase yang tepat.

DAFTAR PUSTAKA

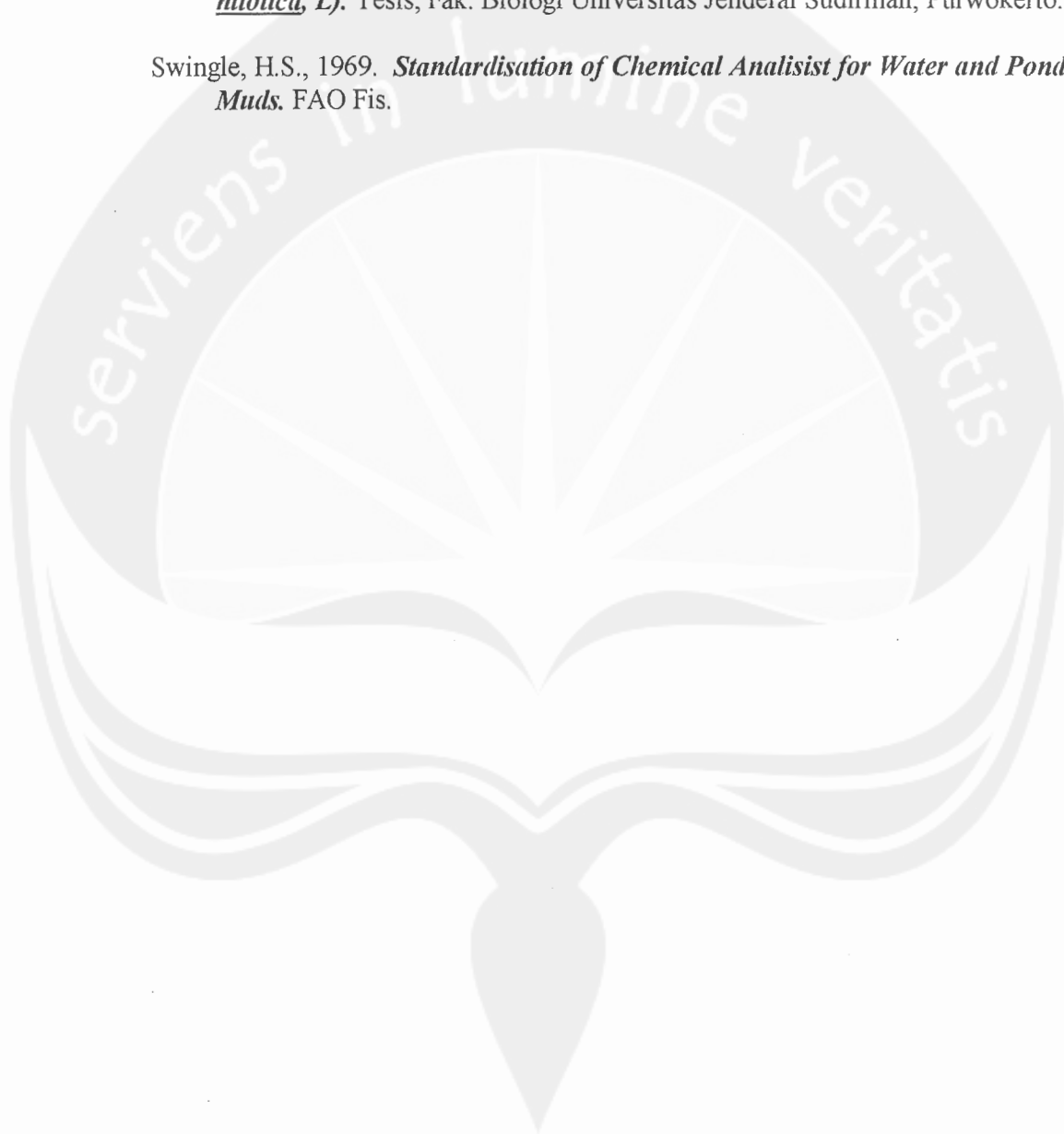
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Analisis Data

$$\text{Faktor Koreksi (FK)} = \frac{Y^2}{r.t} = \frac{(\text{total jenderal})^2}{\text{total banyaknya pengamatan}}$$

$$\text{JKT} = \sum_{I,j} Y_{ij}^2 - \text{FK} = \text{jumlah kuadrat seluruh nilai pengamatan} - \text{faktor koreksi.}$$

$$\begin{aligned} \text{Jumlah Kuadrat Perlakuan (JKP)} &= \frac{Y_1^2 + \dots + Y_t^2}{r} - \text{FK} \\ &= \sum \frac{(\text{total perlakuan})^2}{r} - \text{FK} \end{aligned}$$

$$\text{Jumlah Kuadrat Galat (JKG)} = \text{JKT} - \text{JKP}$$

$$\begin{aligned} \text{Derajat Bebas Total (dB total)} &= rt - 1 \\ &= \text{total banyaknya pengamatan} - 1 \end{aligned}$$

$$\begin{aligned} \text{Derajat Bebas Perlakuan (dB perlakuan)} &= t - 1 \\ &= \text{banyaknya perlakuan} - 1 \end{aligned}$$

Derajat bebas galat (dB galat) dapat dihitung melalui dua cara, yaitu :

$$(1) \text{ dB galat} = \text{dB total} - \text{dB perlakuan}$$

$$(2) \text{ dB galat} = t(r - 1) = (\text{total banyaknya perlakuan}) (\text{total banyaknya ulangan} - 1)$$

$$\text{Kuadrat Tengah Perlakuan (KTP)} = \frac{\text{JKP}}{t - 1} = \frac{\text{jumlah kuadrat perlakuan}}{\text{dB perlakuan}}$$

$$\text{Kuadrat Tengah Galat (KTG)} = \frac{\text{JKG}}{t(r - 1)} = \frac{\text{jumlah kuadrat galat}}{\text{dB galat}}$$

Statistik penguji F dihitung sebagai :

$$F_{hitung} = \frac{KTP}{KTG} = \frac{\text{kuadrat tengah perlakuan}}{\text{kuadrat tengah galat}}$$



PANJANG IKAN LELE											
OBS	PERL	UL	MGG_0	MGG_1	MGG_2	MGG_3	MGG_4	MGG_5	MGG_6	MGG_7	MGG_8
1	A	1	9.15	9.39	9.83	10.07	11.00	11.33	11.63	11.97	12.23
2	A	2	8.68	9.25	9.76	9.80	10.41	10.60	10.87	11.13	11.37
3	A	3	8.91	9.47	9.62	10.68	11.63	11.98	12.33	12.63	12.84
4	B	1	10.50	11.00	11.55	12.03	12.61	13.31	14.06	14.63	14.87
5	B	2	10.60	11.30	11.65	12.10	12.63	13.29	13.89	14.43	14.93
6	B	3	9.80	10.30	11.19	11.33	11.52	12.01	12.41	13.82	14.06
7	C	1	10.30	10.59	11.60	12.63	13.53	14.23	14.83	15.68	16.34
8	C	2	11.15	11.36	11.36	12.23	12.88	13.41	14.10	15.08	16.65
9	C	3	10.90	11.38	11.41	12.51	13.43	14.13	14.83	15.67	16.30
10	D	1	10.30	10.32	11.23	12.15	12.85	13.67	14.53	15.44	15.83
11	D	2	9.80	10.21	12.80	13.99	14.79	15.27	16.02	16.54	16.93
12	D	3	10.50	11.48	12.11	12.85	13.23	13.79	14.61	15.44	15.83

PERTAMBAHAN PANJANG IKAN LELE										
OBS	PERL	UL	MGG_1	MGG_2	MGG_3	MGG_4	MGG_5	MGG_6	MGG_7	MGG_8
1	A	1	0.24	0.68	0.92	1.85	2.18	2.48	2.82	3.08
2	A	2	0.57	1.08	1.12	1.73	1.92	2.19	2.45	2.69
3	A	3	0.56	0.71	1.77	2.72	3.07	3.42	3.72	3.98
4	B	1	0.50	1.05	1.53	2.11	2.81	3.56	4.13	4.37
5	B	2	0.70	1.05	1.50	2.03	2.69	3.29	3.83	4.33
6	B	3	0.50	1.39	1.53	1.72	2.21	2.61	4.02	4.26
7	C	1	0.29	1.30	2.33	3.23	3.93	4.53	5.38	6.04
8	C	2	0.21	0.21	1.08	1.73	2.26	2.95	3.93	5.50
9	C	3	0.48	0.51	1.61	2.53	3.23	3.93	4.77	5.40
10	D	1	0.32	0.93	1.85	2.55	3.37	4.23	5.23	5.53
11	D	2	0.41	3.00	4.19	4.99	5.47	6.22	6.74	7.13
12	D	3	0.98	1.61	2.35	2.73	3.29	4.11	4.94	5.33

----- MINGGU=1 -----

Analysis of Variance Procedure
Class Level Information

Class	Levels	Values
PERL	4	A B C D
UL	3	1 2 3

Number of observations in by group = 12
Analysis of Variance Procedure

Dependent Variable: TBH_PJG

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
PERL	3	0.11900000	0.03966667	0.81	0.5231
Error	8	0.39180000	0.04897500		
Corrected Total	11	0.51080000			

R-Square	C.V.	Root MSE	TBH_PJG Mean
0.232968	46.10478	0.221303	0.48000000

T tests (LSD) for variable: TBH_PJG

NOTE: This test controls the type I comparisonwise error rate not
the experimentwise error rate.

Alpha= 0.05 df= 8 MSE= 0.048975
Critical Value of T= 2.31
Least Significant Difference= 0.4167

Means with the same letter are not significantly different.

T Grouping	Mean	N	PERL
A	0.570	3	D
A			
A	0.567	3	B
A			
A	0.457	3	A
A			
A	0.327	3	C

----- MINGGU=2 -----

Analysis of Variance Procedure
Class Level Information

Class	Levels	Values
PERL	4	A B C D
UL	3	1 2 3

Number of observations in by group = 12
Analysis of Variance Procedure

Dependent Variable: TBH_PJG

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
PERL	3	2.45180000	0.81726667	2.15	0.1717
Error	8	3.03686667	0.37960833		
Corrected Total	11	5.48866667			

R-Square	C.V.	Root MSE	TBH_PJG Mean
0.446702	54.68553	0.616124	1.12666667

T tests (LSD) for variable: TBH_PJG

NOTE: This test controls the type I comparisonwise error rate not
the experimentwise error rate.

Alpha= 0.05 df= 8 MSE= 0.379608

Critical Value of T= 2.31

Least Significant Difference= 1.1601

Means with the same letter are not significantly different.

T Grouping	Mean	N	PERL
A	1.847	3	D
A			
B A	1.163	3	B
B A			
B A	0.823	3	A
B A			
B	0.673	3	C

----- MINGGU=3 -----

Analysis of Variance Procedure
Class Level Information

Class	Levels	Values
PERL	4	A B C D
UL	3	1 2 3

Number of observations in by group = 12
Analysis of Variance Procedure

Dependent Variable: TBH_PJG

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
PERL	3	4.10336667	1.36778889	2.59	0.1251
Error	8	4.21993333	0.52749167		
Corrected Total	11	8.32330000			

R-Square	C.V.	Root MSE	TBH_PJG Mean
0.492998	40.01577	0.726286	1.81500000

T tests (LSD) for variable: TBH_PJG

NOTE: This test controls the type I comparisonwise error rate not
the experimentwise error rate.

Alpha= 0.05 df= 8 MSE= 0.527492

Critical Value of T= 2.31

Least Significant Difference= 1.3675

Means with the same letter are not significantly different.

T Grouping	Mean	N	PERL
A	2.797	3	D
A			
B A	1.673	3	C
A			
B A	1.520	3	B
A			
B A	1.270	3	A

----- MINGGU=4 -----

Analysis of Variance Procedure
Class Level Information

Class	Levels	Values
PERL	4	A B C D
UL	3	1 2 3

Number of observations in by group = 12
Analysis of Variance Procedure

Dependent Variable: TBH_PJG

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
PERL	3	3.93366667	1.31122222	1.91	0.2065
Error	8	5.49320000	0.68665000		
Corrected Total	11	9.42686667			

R-Square	C.V.	Root MSE	TBH_PJG Mean
0.417283	33.23436	0.828643	2.49333333

T tests (LSD) for variable: TBH_PJG

NOTE: This test controls the type I comparisonwise error rate not
the experimentwise error rate.

Alpha= 0.05 df= 8 MSE= 0.68665

Critical Value of T= 2.31

Least Significant Difference= 1.5602

Means with the same letter are not significantly different.

T Grouping	Mean	N	PERL
A	3.423	3	D
A			
A	2.497	3	C
A			
A	2.100	3	A
A			
A	1.953	3	B

----- MINGGU=5 -----

Analysis of Variance Procedure
Class Level Information

Class	Levels	Values
PERL	4	A B C D
UL	3	1 2 3

Number of observations in by group = 12
Analysis of Variance Procedure

Dependent Variable: TBH_PJG

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
PERL	3	4.98002500	1.66000833	2.46	0.1370
Error	8	5.39186667	0.67398333		
Corrected Total	11	10.37189167			

R-Square	C.V.	Root MSE	TBH_PJG Mean
0.480146	27.04249	0.820965	3.03583333

T tests (LSD) for variable: TBH_PJG

NOTE: This test controls the type I comparisonwise error rate not
the experimentwise error rate.

Alpha= 0.05 df= 8 MSE= 0.673983

Critical Value of T= 2.31

Least Significant Difference= 1.5457

Means with the same letter are not significantly different.

T Grouping	Mean	N	PERL
A	4.043	3	D
A			
B A	3.140	3	C
B A			
B A	2.570	3	B
B A			
B	2.390	3	A

----- MINGGU=6 -----

Analysis of Variance Procedure
Class Level Information

Class	Levels	Values
PERL	4	A B C D
UL	3	1 2 3

Number of observations in by group = 12
Analysis of Variance Procedure

Dependent Variable: TBH_PJG

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
PERL	3	7.87460000	2.62486667	3.90	0.0550
Error	8	5.38726667	0.67340833		
Corrected Total	11	13.26186667			

R-Square	C.V.	Root MSE	TBH_PJG Mean
0.593778	22.62724	0.820615	3.62666667

T tests (LSD) for variable: TBH_PJG

NOTE: This test controls the type I comparisonwise error rate not the experimentwise error rate.

Alpha= 0.05 df= 8 MSE= 0.673408

Critical Value of T= 2.31

Least Significant Difference= 1.5451

Means with the same letter are not significantly different.

T Grouping	Mean	N	PERL
A	4.853	3	D
A			
B	3.803	3	C
B			
B	3.153	3	B
B			
B	2.697	3	A

----- MINGGU=7 -----

Analysis of Variance Procedure
Class Level Information

Class	Levels	Values
PERL	4	A B C D
UL	3	1 2 3

Number of observations in by group = 12
Analysis of Variance Procedure

Dependent Variable: TBH_PJG

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
PERL	3	11.19153333	3.73051111	7.80	0.0093
Error	8	3.82746667	0.47843333		
Corrected Total	11	15.01900000			

R-Square	C.V.	Root MSE	TBH_PJG Mean
0.745158	15.97434	0.691689	4.33000000

T tests (LSD) for variable: TBH_PJG

NOTE: This test controls the type I comparisonwise error rate not the experimentwise error rate.

Alpha= 0.05 df= 8 MSE= 0.478433
Critical Value of T= 2.31
Least Significant Difference= 1.3023

Means with the same letter are not significantly different.

T Grouping	Mean	N	PERL
A	5.637	3	D
A			
B A	4.693	3	C
B			
B C	3.993	3	B
C			
C	2.997	3	A

----- MINGGU=8 -----

Analysis of Variance Procedure
Class Level Information

Class	Levels	Values
PERL	4	A B C D
UL	3	1 2 3

Number of observations in by group = 12
Analysis of Variance Procedure

Dependent Variable: TBH_PJG

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
PERL	3	14.34513333	4.78171111	12.48	0.0022
Error	8	3.06533333	0.38316667		
Corrected Total	11	17.41046667			

R-Square	C.V.	Root MSE	TBH_PJG Mean
0.823937	12.88698	0.619005	4.80333333

T tests (LSD) for variable: TBH_PJG

NOTE: This test controls the type I comparisonwise error rate not
the experimentwise error rate.

Alpha= 0.05 df= 8 MSE= 0.383167

Critical Value of T= 2.31

Least Significant Difference= 1.1655

Means with the same letter are not significantly different.

T Grouping	Mean	N	PERL
A	5.997	3	D
A			
A	5.647	3	C
B	4.320	3	B
B			
B	3.250	3	A

OBS	PERL	UL	BERAT IKAN LELE								
			MGG_0	MGG_1	MGG_2	MGG_3	MGG_4	MGG_5	MGG_6	MGG_7	MGG_8
1	A	1	8	9.20	9.95	11.10	12.44	13.26	13.93	14.20	14.43
2	A	2	7	7.90	8.88	10.11	11.08	11.87	12.66	13.01	13.23
3	A	3	9	9.00	9.97	11.30	12.42	12.99	13.78	14.02	14.41
4	B	1	8	9.50	11.02	12.23	13.70	14.62	15.36	15.80	16.11
5	B	2	8	9.30	11.03	12.28	13.51	14.34	15.12	15.61	15.96
6	B	3	7	8.90	10.05	11.19	12.31	13.10	13.91	14.32	14.61
7	C	1	8	10.16	12.09	14.29	16.43	18.31	20.08	22.01	23.66
8	C	2	8	10.34	12.51	14.74	16.72	18.68	20.60	22.56	24.43
9	C	3	9	11.47	13.59	15.56	17.77	19.93	21.86	23.64	25.43
10	D	1	9	11.79	14.59	18.40	21.56	23.83	24.76	26.50	27.07
11	D	2	7	9.74	11.87	14.39	16.21	18.35	20.56	22.66	24.64
12	D	3	8	10.82	12.68	15.86	18.71	19.71	21.98	23.27	25.50

PERTAMBAHAN BERAT IKAN LELE										
OBS	PERL	UL	MGG_1	MGG_2	MGG_3	MGG_4	MGG_5	MGG_6	MGG_7	MGG_8
1	A	1	1.20	1.95	3.10	4.44	5.26	5.93	6.20	6.43
2	A	2	0.90	1.88	3.11	4.08	4.87	5.66	6.01	6.23
3	A	3	0.00	0.97	2.30	3.42	3.99	4.78	5.02	5.41
4	B	1	1.50	3.02	4.23	5.70	6.32	7.36	7.80	8.11
5	B	2	1.30	3.03	4.28	5.51	6.34	7.12	7.16	7.96
6	B	3	1.90	3.05	4.19	5.31	6.10	6.91	7.32	7.61
7	C	1	2.16	4.09	6.29	8.42	10.31	12.08	14.01	15.66
8	C	2	2.34	4.51	6.74	8.72	10.68	12.60	14.56	16.43
9	C	3	2.47	4.59	6.56	8.77	10.93	12.86	14.64	16.43
10	D	1	2.79	5.59	9.90	12.56	14.83	15.76	17.50	18.07
11	D	2	2.74	4.87	7.39	9.21	11.35	13.56	15.66	17.64
12	D	3	2.82	4.68	7.86	10.71	11.71	13.98	15.27	17.50

----- MINGGU=1 -----

Analysis of Variance Procedure
Class Level Information

Class	Levels	Values
PERL	4	A B C D
UL	3	1 2 3

Number of observations in by group = 12
Analysis of Variance Procedure

Dependent Variable: TBH_BRT

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
PERL	3	7.49326667	2.49775556	19.62	0.0005
Error	8	1.01840000	0.12730000		
Corrected Total	11	8.51166667			
R-Square		C.V.	Root MSE	TBH_BRT Mean	
0.880352		19.35576	0.356791	1.84333333	

T tests (LSD) for variable: TBH_BRT

NOTE: This test controls the type I comparisonwise error rate not
the experimentwise error rate.

Alpha= 0.05 df= 8 MSE= 0.1273

Critical Value of T= 2.31

Least Significant Difference= 0.6718

Means with the same letter are not significantly different.

T Grouping	Mean	N	PERL
A	2.783	3	D
A			
A	2.323	3	C
B	1.567	3	B
C	0.700	3	A

----- MINGGU=2 -----

Analysis of Variance Procedure
Class Level Information

Class	Levels	Values
PERL	4	A B C D
UL	3	1 2 3

Number of observations in by group = 12
Analysis of Variance Procedure

Dependent Variable: TBH_BRT

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
PERL	3	21.06749167	7.02249722	46.68	0.0001
Error	8	1.20340000	0.15042500		
Corrected Total	11	22.27089167			

R-Square	C.V.	Root MSE	TBH_BRT Mean
0.945965	11.02098	0.387847	3.51916667

T tests (LSD) for variable: TBH_BRT

NOTE: This test controls the type I comparisonwise error rate not
the experimentwise error rate.

Alpha= 0.05 df= 8 MSE= 0.150425
Critical Value of T= 2.31
Least Significant Difference= 0.7303

Means with the same letter are not significantly different.

T Grouping	Mean	N	PERL
A	5.047	3	D
A			
A	4.397	3	C
B	3.033	3	B
C	1.600	3	A

----- MINGGU=3 -----

Analysis of Variance Procedure
Class Level Information

Class	Levels	Values
PERL	4	A B C D
UL	3	1 2 3

Number of observations in by group = 12
Analysis of Variance Procedure

Dependent Variable: TBH_BRT

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
PERL	3	54.21669167	18.07223056	35.27	0.0001
Error	8	4.09960000	0.51245000		
Corrected Total	11	58.31629167			

R-Square	C.V.	Root MSE	TBH_BRT Mean
0.929701	13.02543	0.715856	5.49583333

T tests (LSD) for variable: TBH_BRT

NOTE: This test controls the type I comparisonwise error rate not
the experimentwise error rate.

Alpha= 0.05 df= 8 MSE= 0.51245
Critical Value of T= 2.31
Least Significant Difference= 1.3478

Means with the same letter are not significantly different.

T Grouping	Mean	N	PERL
A	8.383	3	D
B	6.530	3	C
C	4.233	3	B
D	2.837	3	A

----- MINGGU=4 -----

Analysis of Variance Procedure
Class Level Information

Class	Levels	Values
PERL	4	A B C D
UL	3	1 2 3

Number of observations in by group = 12
Analysis of Variance Procedure

Dependent Variable: TBH_BRT

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
PERL	3	85.34062500	28.44687500	36.04	0.0001
Error	8	6.31460000	0.78932500		
Corrected Total	11	91.65522500			

R-Square	C.V.	Root MSE	TBH_BRT Mean
0.931105	12.27550	0.888440	7.23750000

T tests (LSD) for variable: TBH_BRT

NOTE: This test controls the type I comparisonwise error rate not
the experimentwise error rate.

Alpha= 0.05 df= 8 MSE= 0.789325
Critical Value of T= 2.31
Least Significant Difference= 1.6728

Means with the same letter are not significantly different.

T Grouping	Mean	N	PERL
A	10.827	3	D
B	8.637	3	C
C	5.507	3	B
C	3.980	3	A

----- MINGGU=5 -----

Analysis of Variance Procedure
Class Level Information

Class	Levels	Values
PERL	4	A B C D
UL	3	1 2 3

Number of observations in by group = 12
Analysis of Variance Procedure

Dependent Variable: TBH_BRT

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
PERL	3	123.1804917	41.0601639	39.10	0.0001
Error	8	8.4013333	1.0501667		
Corrected Total	11	131.5818250			

R-Square	C.V.	Root MSE	TBH_BRT Mean
0.936151	11.97518	1.024776	8.55750000

T tests (LSD) for variable: TBH_BRT

NOTE: This test controls the type I comparisonwise error rate not
the experimentwise error rate.

Alpha= 0.05 df= 8 MSE= 1.050167

Critical Value of T= 2.31

Least Significant Difference= 1.9295

Means with the same letter are not significantly different.

T Grouping	Mean	N	PERL
A	12.630	3	D
B	10.640	3	C
C	6.253	3	B
C			
C	4.707	3	A

----- MINGGU=6 -----

Analysis of Variance Procedure
Class Level Information

Class	Levels	Values
PERL	4	A B C D
UL	3	1 2 3

Number of observations in by group = 12
Analysis of Variance Procedure

Dependent Variable: TBH_BRT

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
PERL	3	164.3868667	54.7956222	113.32	0.0001
Error	8	3.8684000	0.4835500		
Corrected Total	11	168.2552667			

R-Square	C.V.	Root MSE	TBH_BRT Mean
0.977009	7.035861	0.695378	9.88333333

T tests (LSD) for variable: TBH_BRT

NOTE: This test controls the type I comparisonwise error rate not
the experimentwise error rate.

Alpha= 0.05 df= 8 MSE= 0.48355
Critical Value of T= 2.31
Least Significant Difference= 1.3093

Means with the same letter are not significantly different.

T Grouping	Mean	N	PERL
A	14.433	3	D
B	12.513	3	C
C	7.130	3	B
D	5.457	3	A

----- MINGGU=7 -----

Analysis of Variance Procedure
Class Level Information

Class	Levels	Values
PERL	4	A B C D
UL	3	1 2 3

Number of observations in by group = 12
Analysis of Variance Procedure

Dependent Variable: TBH_BRT

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
PERL	3	235.2532250	78.4177417	153.13	0.0001
Error	8	4.0968667	0.5121083		
Corrected Total	11	239.3500917			

R-Square	C.V.	Root MSE	TBH_BRT Mean
0.982883	6.547777	0.715617	10.9291667

T tests (LSD) for variable: TBH_BRT

NOTE: This test controls the type I comparisonwise error rate not
the experimentwise error rate.

Alpha= 0.05 df= 8 MSE= 0.512108

Critical Value of T= 2.31

Least Significant Difference= 1.3474

Means with the same letter are not significantly different.

T Grouping	Mean	N	PERL
A	16.143	3	D
B	14.403	3	C
C	7.427	3	B
D	5.743	3	A

----- MINGGU=8 -----

Analysis of Variance Procedure
Class Level Information

Class	Levels	Values
PERL	4	A B C D
UL	3	1 2 3

Number of observations in by group = 12
Analysis of Variance Procedure

Dependent Variable: TBH_BRT

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
PERL	3	308.7114000	102.9038000	639.32	0.0001
Error	8	1.2876667	0.1609583		
Corrected Total	11	309.9990667			

R-Square	C.V.	Root MSE	TBH_BRT Mean
0.995846	3.355418	0.401196	11.9566667

T tests (LSD) for variable: TBH_BRT

NOTE: This test controls the type I comparisonwise error rate not
the experimentwise error rate.

Alpha= 0.05 df= 8 MSE= 0.160958
Critical Value of T= 2.31
Least Significant Difference= 0.7554

Means with the same letter are not significantly different.

T Grouping	Mean	N	PERL
A	17.737	3	D
B	16.173	3	C
C	7.893	3	B
D	6.023	3	A

