

## LAMPIRAN

Lampiran 1. Hasil analisis pertumbuhan panjang mutlak (mm)

Perlakuan	L <sub>70</sub>	L <sub>0</sub>	ΔL	Rata-rata
A	117	63	54	53,33 ± 1,15
	116	62	54	
	115	63	52	
B	122	63	59	60,33 ± 0,15
	123	63	60	
	124	62	62	
C	138	62	76	75,00 ± 0,10
	137	63	74	
	138	63	75	
D	129	62	67	66,67 ± 0,06
	129	63	66	
	130	63	67	

**Oneway**

**ANOVA**

L

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	765.667	3	255.222	204.178	.000
Within Groups	10.000	8	1.250		
Total	775.667	11			

**Post Hoc Tests**

**Homogeneous Subsets**

**Pertumbuhan Panjang Mutlak**

Duncan<sup>a</sup>

Perlakuan	N	Subset for alpha = 0.05			
		1	2	3	4
A	3	53.3333			
B	3		60.3333		
D	3			66.6667	
C	3				75.0000
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

Lampiran 2. Hasil analisis pertumbuhan berat mutlak (g)

Perlakuan	W <sub>70</sub>	W <sub>0</sub>	ΔW	Rata-rata
A	17,7	5,5	12,2	12,33 ± 0,12
	17,9	5,5	12,4	
	18	5,6	12,4	
B	21,1	5,5	15,6	15,87 ± 0,25
	21,7	5,6	16,1	
	21,5	5,6	15,9	
C	26,8	5,5	21,3	21,20 ± 0,10
	26,7	5,6	21,1	
	26,8	5,6	21,2	
D	22,1	5,5	16,6	16,90 ± 0,26
	22,6	5,6	17	
	22,7	5,6	17,1	

**Oneway**

**ANOVA**

W

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	119.969	3	39.990	1021.014	.000
Within Groups	.313	8	.039		
Total	120.283	11			

**Post Hoc Tests**

**Homogeneous Subsets**

**Pertumbuhan Berat Mutlak**

Duncan<sup>a</sup>

Perlakuan	N	Subset for alpha = 0.05			
		1	2	3	4
A	3	12.333			
B	3		15.867		
D	3			16.900	
C	3				21.200
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

Lampiran 3. Hasil regresi linear dan kuadratik pada pertumbuhan berat mutlak ikan jelawat

### Linear

#### Model Summary

R	R Square	Adjusted R Square	Std. Error of the Estimate
.672	.452	.397	2.568

The independent variable is kons rGH.

#### ANOVA

	Sum of Squares	Df	Mean Square	F	Sig.
Regression	54.340	1	54.340	8.241	.017
Residual	65.942	10	6.594		
Total	120.283	11			

The independent variable is kons rGH.

#### Coefficients

	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
kons rGH	1.903	.663	.672	2.871	.017
(Constant)	13.720	1.240		11.061	.000

### Quadratic

#### Model Summary

R	R Square	Adjusted R Square	Std. Error of the Estimate
.913	.834	.798	1.488

The independent variable is kons rGH.

#### ANOVA

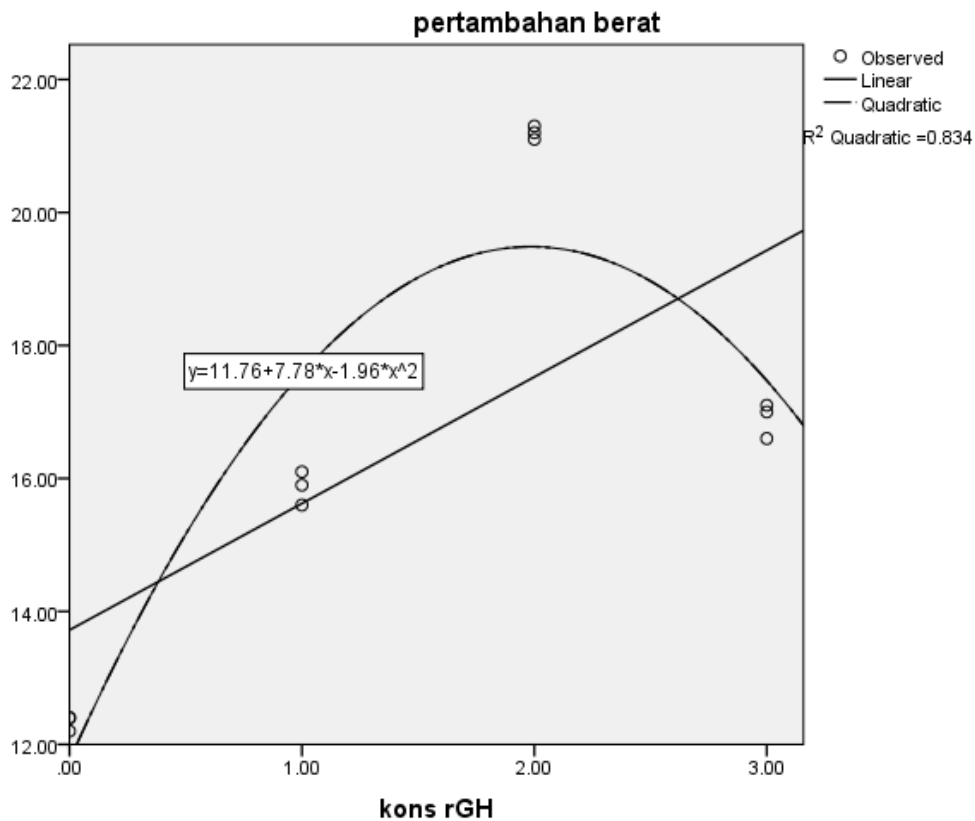
	Sum of Squares	Df	Mean Square	F	Sig.
Regression	100.361	2	50.181	22.670	.000
Residual	19.921	9	2.213		
Total	120.283	11			

The independent variable is kons rGH.

Lampiran 3. Lanjutan

**Coefficients**

	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
kons rGH	7.778	1.345	2.747	5.785	.000
kons rGH ** 2	-1.958	.429	-2.165	-4.560	.001
(Constant)	11.762	.837		14.048	.000



Untuk menentukan dosis optimum dapat dihitung berdasarkan turunan pertama sama dengan nol.

$$Y = 11,76 + 7,78x - 1,96x^2$$

$$\frac{dy}{dx} = 7,78 - 3,92x$$

Nilai optimum tercapai saat  $\frac{dy}{dx} = 0$

$$0 = 7,78 - 3,92x$$

$$x = \frac{7,78}{3,92}$$

$$x = 1,98 \text{ mg/kg pakan}$$

Lampiran 4. Hasil analisis kelulushidupan (SR)

Perlakuan	Nt	No	SR	Rata-rata
A	10	10	100	$100 \pm 0,00$
	10	10	100	
	10	10	100	
B	10	10	100	$100 \pm 0,00$
	10	10	100	
	10	10	100	
C	10	10	100	$100 \pm 0,00$
	10	10	100	
	10	10	100	
D	10	10	100	$100 \pm 0,00$
	10	10	100	
	10	10	100	

Lampiran 5. Hasil analisis konversi pakan

Perlakuan	Jumlah Pakan	Berat Akhir	Berat Awal	FCR	Rata-rata
A	27,30	17,7	5,5	2,24	2,24 ± 0,01
	27,79	17,9	5,5	2,24	
	27,96	18,0	5,6	2,26	
B	29,50	21,1	5,5	1,89	1,88 ± 0,02
	29,96	21,7	5,6	1,86	
	29,89	21,5	5,6	1,88	
C	34,89	26,8	5,5	1,64	1,66 ± 0,02
	35,17	26,7	5,6	1,67	
	35,59	26,8	5,6	1,68	
D	31,04	22,1	5,5	1,87	1,76 ± 0,19
	31,81	22,6	5,6	1,87	
	24,66	22,7	5,6	1,55	

**Oneway**

**ANOVA**

for

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.533	3	.178	646.505	.000
Within Groups	.002	8	.000		
Total	.536	11			

**Post Hoc Tests**

**Homogeneous Subsets**

**Konversi Pakan**

Duncan<sup>a</sup>

perlakuan	N	Subset for alpha = 0.05		
		1	2	3
C	3	1.6633		
D	3		1.8600	
B	3		1.8767	
A	3			2.2467
Sig.		1.000	.253	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

Lampiran 6. Hasil analisis retensi protein

Perlakuan	Kandungan Protein Awal	Kandungan Protein akhir	Jumlah Protein dikonsumsi	Retensi Protein (RP)	Rata-rata
A	0,79	3,03	10,16	22,05	22,03 ± 0,18
	0,79	3,09	10,35	22,20	
	0,80	3,08	10,41	21,84	
B	0,79	3,65	10,98	26,06	26,35 ± 0,35
	0,80	3,79	11,16	26,74	
	0,80	3,73	11,13	26,26	
C	0,79	5,48	12,99	36,07	35,65 ± 0,48
	0,80	5,48	13,10	35,73	
	0,80	5,46	13,25	35,13	
D	0,79	4,06	11,56	28,30	28,51 ± 0,36
	0,80	4,16	11,84	28,32	
	0,80	4,18	11,69	28,93	

**Oneway**

**ANOVA**

RP

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	2.901	3	.967	758.553	.000
Within Groups	.010	8	.001		
Total	2.912	11			

**Post Hoc Tests**

**Homogeneous Subsets**

**Retensi Protein**

Duncan<sup>a</sup>

Perlakuan	N	Subset for alpha = 0.05			
		1	2	3	4
A	3	2.2033			
B	3		2.6367		
D	3			2.8500	
C	3				3.5633
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.



Lampiran 7. Hasil analisis uji proksimat pakan dan uji retensi protein



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 Jl. Soekarno-Hatta No.10 Rajabasa - Bandar Lampung Telp. 0721 703995



DATA ANALISIS

Dari : Sdri. Nur Selawati (Mhs. Budidaya Perairan Unita)  
 Sampel : Ikan Jelawat dan Pakan Ikan (Pellet)  
 Parameter Uji : Proksimat dan Retensi Protein  
 Tanggal diterima : 23 Oktober 2018

No	Kode Sampel	Air	Abu	Protein	Lemak	Serat Ksr.	Karbohidrat
		(%)					
1	Pellet	9.3844	8.6950	37.2344	5.4614	13.4797	25.7452
2	Ikan 1	*	*	14.1174	*	*	*
3	Ikan 2	*	*	14.6128	*	*	*
4	Ikan 3	*	*	14.3570	*	*	*



B. Lampung, 5 November 2018  
 PLP-Penguji,

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Lampiran 8. Hasil analisis uji retensi protein ikan jelawat



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Jl. Soekarno-Hatta No.10 Rajabasa - Bandar Lampung Telp. 0721 703995.

DATA ANALISIS

Dari : Sdri. Nur Selawati (Mhs. Budidaya Perairan Unila)  
Sampel : Ikan Jelawat  
Parameter Uji : Protein  
Tanggal diterima : 28 Desember 2018

No	Kode Sampel	sampel mg	Titration (ml)		Protein (%)
			Blanko	Sampel	
1	Kontrol. 1	582.8	17.0	7.9	17.1289
2	Kontrol. 2	610.6	17.0	7.4	17.2473
3	Kontrol. 3	776.3	17.0	4.9	17.0987
4	B 1	773.1	17.0	4.8	17.3114
5	B 2	546.8	17.0	8.3	17.4541
6	B 3	645.6	17.0	6.8	17.3318
7	C 1	612.0	17.0	5.6	20.4343
8	C 2	683.7	17.0	4.2	20.5377
9	C 3	726.9	17.0	3.5	20.3735
10	D 1	621.0	17.0	6.6	18.3717
11	D 2	810.8	17.0	3.4	18.4006
12	D 3	755.6	17.0	4.3	18.4382



B. Lampung, 2 Januari 2019

Pd Pengaji,

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