LAMPIRAN

Lampiran 1. Alat dan bahan penelitian

Wadah pakan

Jaring sampling

Bak fiber

Alat sifon

Skop net

Timbangan digital

Seperangkat airasi

Rombong

Penggaris

Refraktometer
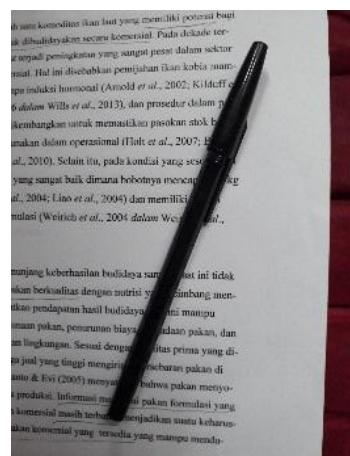
Alat tulis

Water Quality Checker

Ikan Kuniran

Ikan Cobia
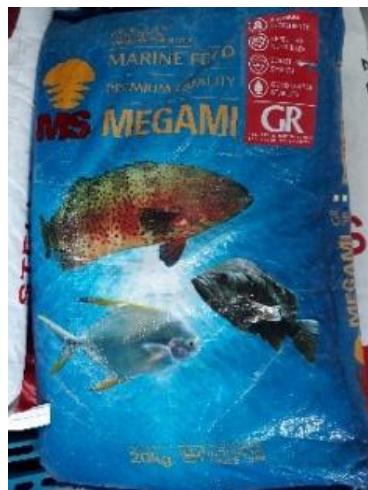
Pakan GR

Pakan ST

Pakan PN

Lampiran 2. Persiapan, sampling, dan pemeliharaan ikan

Grading

Penimbangan pakan

Sampling berat ikan

Sampling panjang ikan

Pemberian pakan

Penyiponan

Lampiran 3. Hasil analisis proksimat ikan cobia

Parameter	Sampel ikan				
	Ikan awal	K	P1	P2	P3
Kadar air (%)	76,28	70,23	70,16	68,77	69,23
Kadar protein (%)	15,86	14,78	17,21	17,12	16,60
Kadar lemak (%)	3,21	11,53	8,16	9,37	10,94
Serat kasar (%)	0,020	0,34	0,30	0,34	0,31
BETN (%)	0,367	0,37	0,36	0,57	0,33
Kadar abu (%)	4,249	2,75	3,81	3,85	2,52

Keterangan: Analisis proksimat tubuh ikan dilakukan di Laboratorium Nutrisi dan Kesehatan Lingkungan BBPBL Lampung

Lampiran 4. Analisis ragam varian berat mutlak

Tests of Normality

	Perlakuan	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Bobot Mutlak	Kontrol	,175	3	.	1,000	3	,999
	P1	,184	3	.	,999	3	,927
	P2	,310	3	.	,898	3	,381
	P3	,176	3	.	1,000	3	,983

a. Lilliefors Significance Correction

Test of Homogeneity of Variances

Bobot Mutlak

Levene Statistic	df1	df2	Sig.
2,078	3	8	,182

ANOVA

Bobot Mutlak

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	13288,969	3	4429,656	147,488	,000
Within Groups	240,272	8	30,034		
Total	13529,241	11			

Uji Lanjut Dunnet

Multiple Comparisons

Dependent Variable: Berat Mutlak

Dunnett t (2-sided)[a]

(I) Perlakuan	(J) Perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
P1	Kontrol	-65.51000[*]	4.47467	.000	-78.3955	-52.6245
P2	Kontrol	-20.60000[*]	4.47467	.004	-33.4855	-7.7145
P3	Kontrol	-82.68333[*]	4.47467	.000	-95.5689	-69.7978

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

a. Dunnett t-tests treat one group as a control, and compare all other groups against it.

Lampiran 5. Analisis ragam varian panjang mutlak

Tests of Normality

	Perlakuan	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Panjang Mutlak	Kontrol	,175	3	.	1,000	3	,996
	P1	,279	3	.	,939	3	,525
	P2	,226	3	.	,983	3	,750
	P3	,175	3	.	1,000	3	,990

a. Lilliefors Significance Correction

Test of Homogeneity of Variances

Panjang Mutlak

Levene Statistic	df1	df2	Sig.
2,476	3	8	,136

ANOVA

Panjang Mutlak

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	10,561	3	3,520	2,183	,168
Within Groups	12,899	8	1,612		
Total	23,461	11			

Lampiran 6. Analisis ragam varian laju pertumbuhan harian

Tests of Normality

	Perlakuan	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
LPH	K	,177	3	.	1,000	3	,972
	P1	,187	3	.	,998	3	,915
	P2	,297	3	.	,917	3	,443
	P3	,253	3	.	,964	3	,637

a. Lilliefors Significance Correction

Test of Homogeneity of Variances

LPH

Levene Statistic	df1	df2	Sig.
2,121	3	8	,176

ANOVA

LPH

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	6,573	3	2,191	147,208	,000
Within Groups	,119	8	,015		
Total	6,692	11			

Uji Lanjut Dunnet

Multiple Comparisons

Dependent Variable: LPH

Dunnett t (2-sided)[a]

(I) Perlakuan	(J) Perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
P1	Kontrol	-.9833[*]	.09781	.000	-1.2650	-.7017
P2	Kontrol	-.3000[*]	.09781	.038	-.5817	-.0183
P3	Kontrol	-1.4167[*]	.09781	.000	-1.6983	-1.1350

Based on observed means.

The error term is Mean Square(Error) = .014.

*. The mean difference is significant at the .05 level.

a. Dunnett t-tests treat one group as a control, and compare all other groups against it.

Lampiran 7. Analisis ragam varian rasio konversi pakan

Tests of Normality

	Perlakuan	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
FCR	Kontrol	,253	3	.	,964	3	,637
	P1	,292	3	.	,923	3	,463
	P2	,232	3	.	,980	3	,726
	P3	,204	3	.	,993	3	,843

a. Lilliefors Significance Correction

Test of Homogeneity of Variances

FCR

Levene Statistic	df1	df2	Sig.
,944	3	8	,464

ANOVA

FCR

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	2,734	3	,911	1031,632	,000
Within Groups	,007	8	,001		
Total	2,741	11			

Uji Lanjut Dunnet

Multiple Comparisons

Dependent Variable: RKP

Dunnett t (2-sided)[a]

(I) Perlakuan	(J) Perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
P1	Kontrol	.82000[*]	.02427	.000	.7501	.8899
P2	Kontrol	.16000[*]	.02427	.000	.0901	.2299
P3	Kontrol	1.17000[*]	.02427	.000	1.1001	1.2399

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

a. Dunnett t-tests treat one group as a control, and compare all other groups against it.

Lampiran 8. Analisis ragam varian retensi protein

Tests of Normality

	Perlakuan	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Retensi Protein	Kontrol	,177	3	.	1,000	3	,967
	P1	,299	3	.	,915	3	,434
	P2	,213	3	.	,990	3	,808
	P3	,181	3	.	,999	3	,942

a. Lilliefors Significance Correction

Test of Homogeneity of Variances

Retensi Protein

Levene Statistic	df1	df2	Sig.
4,031	3	8	,051

ANOVA

Retensi Protein

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	670,391	3	223,464	143,715	,000
Within Groups	12,439	8	1,555		
Total	682,830	11			

Uji Lanjut Dunnet

Multiple Comparisons

Dependent Variable: Retensi Protein

Dunnett t (2-sided)[a]

(I) Perlakuan	(J) Perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
P1	Kontrol	-.43000	1.01814	.950	-3.3619	2.5019
P2	Kontrol	16.38667[*]	1.01814	.000	13.4548	19.3186
P3	Kontrol	-1.95000	1.01814	.206	-4.8819	.9819

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

a. Dunnett t-tests treat one group as a control, and compare all other groups against it.

Lampiran 9. Analisis ragam varian jumlah konsumsi pakan

Tests of Normality

	perlakuan	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
JKP	K	.178	3	.	1.000	3	.959
	P1	.253	3	.	.964	3	.637
	P2	.177	3	.	1.000	3	.967
	P3	.204	3	.	.993	3	.843

a. Lilliefors Significance Correction

Test of Homogeneity of Variances

JKP

Levene Statistic	df1	df2	Sig.
.975	3	8	.451

ANOVA

JKP

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.155	3	.052	3.152	.086
Within Groups	.131	8	.016		
Total	.286	11			

Uji Lanjut Dunnet

Multiple Comparisons

Dependent Variable: JKP

Dunnett t (2-sided)[a]

(I) perlakuan	(J) perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
P1	K	.30333*	.10456	.048	.0022	.6044
P2	K	.10000	.10456	.671	-.2011	.4011
P3	K	.20667	.10456	.189	-.0944	.5078

*. The mean difference is significant at the 0.05 level.
a. Dunnett t-tests treat one group as a control, and compare all other groups against it.