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## LAMPIRAN

Lampiran 1. Data laju pertumbuhan panjang harian (SGR) juwana kuda laut (*Hippocampus barbouri*) yang dipelihara pada setiap perlakuan.

Hari/Perlakuan	A			B			C			D		
	L <sub>0</sub>	L <sub>t</sub>	SGR	L <sub>0</sub>	L <sub>t</sub>	SGR	L <sub>0</sub>	L <sub>t</sub>	SGR	L <sub>0</sub>	L <sub>t</sub>	SGR
1	1	1	0	1	1	0	1	1	0	1	1	0
	1.0	1.0	0	1.0	1.0	0	1.0	1.0	0	1.0	1.0	0
	1.0	1.0	0	1.0	1.0	0	1.0	1.0	0	1.0	1.0	0
<b>Rata-rata</b>	<b>1.1</b>	<b>1.1</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1.1</b>	<b>1</b>	<b>0</b>	<b>1.1</b>	<b>1</b>	<b>0</b>
6	1	1	0	1	1	-1.601	1	2	4.153	1	2	2.8620
	1.0	1	6.7294	1.0	1	5.247	1.0	2	8.109	1.0	2	9.4000
	1.0	1	5.247	1.0	2	8.109	1.0	1	3.646	1.0	2	8.109
<b>Rata-rata</b>	<b>1</b>	<b>1.3</b>	<b>3.9922</b>	<b>1</b>	<b>1.3</b>	<b>3.9186</b>	<b>1</b>	<b>1.4</b>	<b>5.303</b>	<b>1</b>	<b>1.5</b>	<b>5.0928</b>
11	1.3	2.0	4.308	1	2	2.683	1.3	2.0	4.308	1.3	2	5.261
	1.0	2	6.419	1.0	2	7.419	1.0	1.9	6.419	1.0	2	8.755
	1.0	2	5.306	1.0	2	5.306	1.0	2.1	7.419	1.0	2	8.3290
<b>Rata-rata</b>	<b>1.1</b>	<b>1.9</b>	<b>5.3442</b>	<b>1</b>	<b>1.8</b>	<b>5.1360</b>	<b>1.1</b>	<b>2.0</b>	<b>6.0485</b>	<b>1.1</b>	<b>2</b>	<b>7.4482</b>
16	1	2.0	2.872	1	2	1.778	1	2	2.169	1	2	3.197
	1.0	2	4.946	1.0	2	4.946	1.0	2	3.538	1.0	2	5.256
	1.0	2	5.553	1.0	2	3.538	1.0	2.0	4.621	1.0	2.5	6.109
<b>Rata-rata</b>	<b>1</b>	<b>2.1</b>	<b>4.457</b>	<b>1</b>	<b>1.8</b>	<b>3.421</b>	<b>1</b>	<b>1.8</b>	<b>3.443</b>	<b>1</b>	<b>2.2</b>	<b>4.8540</b>
21	1	2	2.853	1	2	2.398	1	2	2.398	1	2	3.066
	1.0	3	4.581	1.0	2	3.942	1.0	2.0	3.466	1.0	2	4.165
	1.0	3	5.1480	1.0	2	3.71	1.0	2	4.165	1.0	2	4.165
<b>Rata-rata</b>	<b>1</b>	<b>2.5</b>	<b>4.1940</b>	<b>1</b>	<b>2.1</b>	<b>3.3499</b>	<b>1</b>	<b>2.1</b>	<b>3.3427</b>	<b>1</b>	<b>2.3</b>	<b>3.7982</b>
26	1	2	1.918	1	2	2.282	1	3	2.616	1	2	2.452
	1.0	3	4.118	1.0	2	3.502	1.0	2	3.154	1.0	2	2.968
	1.0	3	4.118	1.0	2	3.332	1.0	2	3.332	1.0	3	3.665
<b>Rata-rata</b>	<b>1</b>	<b>2.6</b>	<b>3.3850</b>	<b>1</b>	<b>2.3</b>	<b>3.039</b>	<b>1</b>	<b>2.3</b>	<b>3.034</b>	<b>1</b>	<b>2.3</b>	<b>3.028</b>
31	1	2	1.902	1	2	1.902	1	3	2.31	1	3	2.558
	1.0	2	2.776	1.0	2	2.918	1.0	2	2.776	1.0	3	3.054
	1.0	3	3.054	1.0	2	2.776	1.0	3	3.1850	1.0	3	3.054
<b>Rata-rata</b>	<b>1</b>	<b>2.4</b>	<b>2.5775</b>	<b>1</b>	<b>2.3</b>	<b>2.532</b>	<b>1</b>	<b>3</b>	<b>2.7572</b>	<b>1</b>	<b>3</b>	<b>2.889</b>

Lampiran 2. Analisis sidik ragam (ANOVA) laju pertumbuhan panjang harian (SGR) juwana kuda laut (*Hippocampus barbouri*) yang dipelihara pada setiap perlakuan.

**ANOVA (SGR Hari-1)**

Ulangan

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.000	3	.000	.	.
Within Groups	.000	8	.000		
Total	.000	11			



**ANOVA (SGH Hari-6)**

Ulangan

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	12.121	3	4.040	.394	.761
Within Groups	82.143	8	10.268		
Total	94.264	11			

**ANOVA (SGR Hari-11)**

Ulangan

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	9.828	3	3.276	1.016	.435
Within Groups	25.804	8	3.226		
Total	35.632	11			

**ANOVA (SGR Hari-16)**

Ulangan

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	4.730	3	1.577	.765	.545
Within Groups	16.490	8	2.061		
Total	21.221	11			

**ANOVA (SGR Hari-21)**

Ulangan

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1.502	3	.501	.604	.631
Within Groups	6.634	8	.829		
Total	8.136	11			

**ANOVA (SGR Hari-26)**

Ulangan

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.278	3	.093	.145	.930
Within Groups	5.119	8	.640		
Total	5.397	11			

**ANOVA (SGR Hari-31)**

Ulangan

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.280	3	.093	.424	.741
Within Groups	1.760	8	.220		
Total	2.039	11			

Lampiran 3. Data laju pertumbuhan bobot harian (SGR) juwana kuda laut (*Hippocampus barbouri*) yang dipelihara pada setiap perlakuan.

Hari/Perlakuan	A			B			C			D		
	W <sub>0</sub>	W <sub>t</sub>	SGR	W <sub>0</sub>	W <sub>t</sub>	SGR	W <sub>0</sub>	W <sub>t</sub>	SGR	W <sub>0</sub>	W <sub>t</sub>	SGR
1	0.0070	0.0070	0	0.0070	0.0070	0	0.0070	0.0070	0	0.0070	0.0070	0
	0.0090	0.0090	0	0.0090	0.0090	0	0.0090	0.0090	0	0.0090	0.0090	0
	0.0098	0.0098	0	0.0098	0.0098	0	0.0098	0.0098	0	0.0098	0.0098	0
<b>Rata-rata</b>	<b>0.0086</b>	<b>0.0086</b>	<b>0</b>	<b>0.0086</b>	<b>0.0086</b>	<b>0</b>	<b>0.0086</b>	<b>0.0086</b>	<b>0</b>	<b>0.0086</b>	<b>0.0086</b>	<b>0</b>
6	0.0070	0.0101	7.3325	0.0070	0.0100	7.1334	0.0070	0.0173	18.0959	0.0070	0.0163	16.9050
	0.0090	0.0087	-3.3901	0.0090	0.0092	6.4395	0.0090	0.0120	5.7536	0.0090	0.0173	13.0696
	0.0098	0.0092	-1.2635	0.0098	0.0120	4.0504	0.0098	0.0100	0.4040	0.0098	0.0166	10.5404
<b>Rata-rata</b>	<b>0.0086</b>	<b>0.0093</b>	<b>0.8930</b>	<b>0.0086</b>	<b>0.0104</b>	<b>5.8744</b>	<b>0.0086</b>	<b>0.0131</b>	<b>8.0845</b>	<b>0.0086</b>	<b>0.0167</b>	<b>13.5050</b>
11	0.0070	0.0262	13.1984	0.0070	0.0105	8.6949	0.0070	0.0216	11.2678	0.0070	0.0285	14.0399
	0.0090	0.0265	10.7992	0.0090	0.0197	8.9381	0.0090	0.0276	11.2059	0.0090	0.0296	11.9054
	0.0098	0.0168	5.3899	0.0098	0.0116	5.3899	0.0098	0.0224	8.2667	0.0098	0.0318	11.7708
<b>Rata-rata</b>	<b>0.0086</b>	<b>0.0232</b>	<b>9.7958</b>	<b>0.0086</b>	<b>0.0139</b>	<b>7.6743</b>	<b>0.0086</b>	<b>0.0239</b>	<b>10.2468</b>	<b>0.0086</b>	<b>0.0300</b>	<b>12.5720</b>
16	0.0070	0.0364	10.9910	0.0070	0.0327	10.2764	0.0070	0.0241	8.2420	0.0070	0.0382	11.3128
	0.0090	0.0353	9.1110	0.0090	0.0295	7.9144	0.0090	0.0209	5.6168	0.0090	0.0341	8.8804
	0.0098	0.0337	8.2341	0.0098	0.0289	7.2097	0.0098	0.0265	6.6317	0.0098	0.0410	10.2692
<b>Rata-rata</b>	<b>0.0086</b>	<b>0.0351</b>	<b>9.4454</b>	<b>0.0086</b>	<b>0.0304</b>	<b>8.4668</b>	<b>0.0086</b>	<b>0.0238</b>	<b>6.8302</b>	<b>0.0086</b>	<b>0.0378</b>	<b>10.1541</b>
21	0.0070	0.0442	9.2140	0.0070	0.0342	7.9315	0.0070	0.0445	9.2478	0.0070	0.0431	9.0880
	0.0090	0.0426	7.7731	0.0090	0.0456	8.1134	0.0090	0.0290	5.8503	0.0090	0.0569	9.2203
	0.0098	0.0672	9.6264	0.0098	0.0378	6.7496	0.0098	0.0432	7.4172	0.0098	0.0420	7.2764
<b>Rata-rata</b>	<b>0.0086</b>	<b>0.0513</b>	<b>8.8712</b>	<b>0.0086</b>	<b>0.0392</b>	<b>7.5982</b>	<b>0.0086</b>	<b>0.0389</b>	<b>7.5051</b>	<b>0.0086</b>	<b>0.0473</b>	<b>8.5282</b>
26	0.0070	0.0345	6.3801	0.0070	0.0575	8.4234	0.0070	0.0579	8.4512	0.0070	0.0541	8.1796
	0.0090	0.0754	8.5023	0.0090	0.0459	6.5169	0.0090	0.0351	5.4439	0.0090	0.0497	6.8351
	0.0098	0.0860	8.6878	0.0098	0.0354	5.1373	0.0098	0.0440	6.0072	0.0098	0.0615	7.3466
<b>Rata-rata</b>	<b>0.0086</b>	<b>0.0653</b>	<b>7.8567</b>	<b>0.0086</b>	<b>0.0463</b>	<b>6.6925</b>	<b>0.0086</b>	<b>0.0457</b>	<b>6.6341</b>	<b>0.0086</b>	<b>0.0551</b>	<b>7.4538</b>
31	0.0070	0.0632	7.3293	0.0070	0.0460	5.3700	0.0070	0.0487	6.4658	0.0070	0.0622	7.2814
	0.0090	0.0445	5.3275	0.0090	0.0462	5.4525	0.0090	0.0496	5.6892	0.0090	0.0466	5.4812
	0.0098	0.0549	5.7473	0.0098	0.0541	5.6948	0.0098	0.0631	6.2077	0.0098	0.0632	6.2130
<b>Rata-rata</b>	<b>0.0086</b>	<b>0.0542</b>	<b>6.1347</b>	<b>0.0086</b>	<b>0.0488</b>	<b>5.5058</b>	<b>0.0086</b>	<b>0.0538</b>	<b>6.1209</b>	<b>0.0086</b>	<b>0.0573</b>	<b>6.3252</b>

Lampiran 4. Analisis sidik ragam (ANOVA) laju pertumbuhan bobot harian (SGR) juwana kuda laut (*Hippocampus barbouri*) yang dipelihara pada setiap perlakuan.

**ANOVA (SGR Hari-1)**

Ulangan

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.000	3	.000	.	.
Within Groups	.000	8	.000		
Total	.000	11			

**ANOVA (SGR Hari-6)**

Ulangan

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	246.066	3	82.022	2.574	.127
Within Groups	254.884	8	31.860		
Total	500.950	11			

**ANOVA (SGR Hari-11)**

Ulangan

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	36.318	3	12.106	1.977	.196
Within Groups	48.978	8	6.122		
Total	85.296	11			

**ANOVA (SGR Hari-21)**

Ulangan

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	4.144	3	1.381	.993	.444
Within Groups	11.133	8	1.392		
Total	15.276	11			

**ANOVA (SGR Hari-26)**

Ulangan

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	3.200	3	1.067	.578	.646
Within Groups	14.766	8	1.846		
Total	17.966	11			

**ANOVA (SGR Hari-31)**

Ulangan

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1.143	3	.381	.719	.568
Within Groups	4.238	8	.530		
Total	5.381	11			

Lampiran 5. Data panjang mutlak juwana kuda laut (*Hippocampus barbouri*) yang dipelihara pada setiap perlakuan.

Perlakuan	L0	Lt	Pm (Lt-L0)
A	1.3	2.3	1.0
	1.0	2.3	1.3
	1.0	2.5	1.5
<b>Rata-rata</b>	<b>1.1</b>	<b>2.4</b>	<b>1.3</b>
B	1.3	2.3	1.0
	1.0	2.4	1.4
	1.0	2.3	1.3
<b>Rata-rata</b>	<b>1.1</b>	<b>2.3</b>	<b>1.2</b>
C	1.3	2.6	1.3
	1.0	2.3	1.3
	1.0	2.6	1.6
<b>Rata-rata</b>	<b>1.1</b>	<b>2.5</b>	<b>1.4</b>
D	1.3	2.8	1.5
	1.0	2.5	1.5
	1.0	2.5	1.5
<b>Rata-rata</b>	<b>1.1</b>	<b>2.6</b>	<b>1.5</b>

Lampiran 6. Analisis sidik ragam (ANOVA) panjang mutlak juwana kuda laut (*Hippocampus barbouri*) yang dipelihara pada setiap perlakuan.

#### ANOVA (Pertumbuhan Panjang Mutlak)

Ulangan

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.137	3	.046	1.333	.330
Within Groups	.273	8	.034		
Total	.410	11			

Lampiran 7. Data bobot mutlak juwana kuda laut (*Hippocampus barbouri*) yang dipelihara pada setiap perlakuan.

Perlakuan	W0	Wt	Bm (Wt-W0)
A	0.0070	0.0631	0.0561
	0.0090	0.0445	0.0355
	0.0098	0.0549	0.0451
<b>Rata-rata</b>	<b>0.0086</b>	<b>0.0542</b>	<b>0.0456</b>
B	0.0070	0.0460	0.0390
	0.0090	0.0462	0.0372
	0.0098	0.0541	0.0443
<b>Rata-rata</b>	<b>0.0086</b>	<b>0.0488</b>	<b>0.0402</b>
C	0.0070	0.0487	0.0417
	0.0090	0.0496	0.0406
	0.0098	0.0631	0.0533

<b>Rata-rata</b>	<b>0.0086</b>	<b>0.0538</b>	<b>0.0452</b>
	0.0070	0.0622	0.0552
D	0.0090	0.0466	0.0376
	0.0098	0.0632	0.0534
<b>Rata-rata</b>	<b>0.0086</b>	<b>0.0573</b>	<b>0.0487</b>

Lampiran 8. Analisis sidik ragam (ANOVA) bobot mutlak juwana kuda laut (*Hippocampus barbouri*) yang dipelihara pada setiap perlakuan.

**ANOVA (Pertumbuhan Bobot Mutlak)**

Ulangan

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.000	3	.000	.572	.649
Within Groups	.001	8	.000		
Total	.001	11			

Lampiran 9. Sintasan juwana kuda laut (*Hippocampus barbouri*) yang dipelihara pada setiap perlakuan.

Hari/Perlakuan	A	B	C	D
	Survival Rate (%)	Survival Rate (%)	Survival Rate (%)	Survival Rate (%)
1	100	100	100	100
	100	100	100	100
	100	100	100	100
<b>Rata-rata</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
6	100	100	100	100
	100	100	100	90
	100	100	100	95
<b>Rata-rata</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>95</b>
11	90	90	70	80
	90	70	90	60
	85	80	70	70
<b>Rata-rata</b>	<b>88.3</b>	<b>80</b>	<b>76.7</b>	<b>70</b>
16	80	60	65	65
	85	60	80	60
	70	65	50	65
<b>Rata-rata</b>	<b>78.3</b>	<b>61.7</b>	<b>65</b>	<b>63.3</b>
21	80	50	55	60
	80	60	65	55
	55	55	45	65
<b>Rata-rata</b>	<b>71.7</b>	<b>55</b>	<b>55</b>	<b>60</b>
26	60	50	50	55
	70	60	60	30
	45	50	45	55

<b>Rata-rata</b>	<b>58.3</b>	<b>53.3</b>	<b>51.7</b>	<b>46.7</b>
	40	35	45	30
<b>31</b>	55	50	45	30
	45	20	30	40
<b>Rata-rata</b>	<b>46.7</b>	<b>35</b>	<b>40</b>	<b>33.3</b>

Lampiran 10. Analisis sidik ragam (ANOVA) sintasan juwana kuda laut (*Hippocampus barbouri*) yang dipelihara pada setiap perlakuan.

**ANOVA (SR Hari-1)**

Ulangan

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.000	3	.000	.	.
Within Groups	.000	8	.000		
Total	.000	11			

**ANOVA (SR Hari-6)**

Ulangan

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	56.250	3	18.750	3.000	.095
Within Groups	50.000	8	6.250		
Total	106.250	11			

**ANOVA (SR Hari-11)**

Ulangan

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	522.917	3	174.306	2.041	.187
Within Groups	683.333	8	85.417		
Total	1206.250	11			

**ANOVA (SR Hari-16)**

Ulangan

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	522.917	3	174.306	2.324	.151
Within Groups	600.000	8	75.000		
Total	1122.917	11			

**ANOVA (SR Hari-21)**

Ulangan

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	556.250	3	185.417	2.070	.183
Within Groups	716.667	8	89.583		
Total	1272.917	11			

**ANOVA (SR Hari-26)**

Ulangan

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	208.333	3	69.444	.606	.629
Within Groups	916.667	8	114.583		
Total	1125.000	11			

**ANOVA (SR Hari-31)**

Ulangan

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	322.917	3	107.639	1.099	.404
Within Groups	783.333	8	97.917		
Total	1106.250	11			