

LAMPIRAN

Lampiran 1. Hasil Analisis ANOVA Panjang mutlak

ANOVA

Panjang Mutlak

	Sum of Squares	Df	Mean Square	F	Sig.
Between Groups	11.722	2	5.861	21.708	.002
Within Groups	1.620	6	.270		
Total	13.342	8			

Lampiran 2. Uji Lanjut Tukey Panjang Mutlak

Multiple Comparisons

Dependent Variable: Panjang Mutlak

Tukey HSD

(I) Perlakuan kepadatan	(J) Perlakuan kepadatan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
A (Kepadatan bandeng 10 ekor, udang 10 ekor, Rumput laut 250 g)	B (Kepadatan bandeng 20 ekor, udang 20 ekor, Rumput laut 500 g)	1.56667*	.42425	.024	.2650	2.8684
	C (Kepadatan bandeng 30 ekor, udang 30 ekor, Rumput laut 1000 g)	2.78833*	.42425	.001	1.4866	4.0900
B (Kepadatan bandeng 20 ekor, udang 20 ekor, Rumput laut 500 g)	A (Kepadatan bandeng 10 ekor, udang 10 ekor, Rumput laut 250 g)	-1.56667*	.42425	.024	-2.8684	-.2650
	C (Kepadatan bandeng 30 ekor, udang 30 ekor, Rumput laut 1000 g)	1.22167	.42425	.063	-.0800	2.5234
C (Kepadatan bandeng 30 ekor, udang 30 ekor, Rumput laut 1000 g)	A (Kepadatan bandeng 10 ekor, udang 10 ekor, Rumput laut 250 g)	-2.78833*	.42425	.001	-4.0900	-1.4866
	B (Kepadatan bandeng 20 ekor, udang 20 ekor, Rumput laut 500 g)	-1.22167	.42425	.063	-2.5234	.0800

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

Lampiran 3. Data Pengukuran Panjang Ikan Bandeng Selama Penelitian

PERLAKUAN	PENGUKURAN						
	H-0	H-7	H-14	H-21	H-28	H-35	H-42
A1	17	16.9	17.2	19.2	20.3	21.9	22.4
	16.8	17.2	18.4	19.3	20.3	21.7	22.8
	17.8	17.3	18.6	19.2	21	22.2	22.8
	18.2	18.2	17.5	19.7	20.6	20.7	23
	17.1	17.5	18.7	18.3	19.4	20.6	23.1
A2	16.7	17.2	18.2	18.5	19.8	20.6	20.9
	16.8	17.6	17.6	19.2	19.5	21	22.4
	18.2	16.9	18.4	19.4	20.2	20.8	21.8
	17.2	18.2	18.1	18.7	20.4	20	22.4
	17.4	17.3	17.8	19.1	19.4	20.8	22.4
A3	16.5	18.3	19	18.8	19.6	21	22.8
	18.1	17.5	17.8	19.6	19.4	21.8	22.4
	16.9	16.8	18.6	19.2	20.3	20.6	23
	17.8	17.4	18.2	18.8	20.3	21.2	22.5
	17.3	17.8	17.6	19.3	20.6	21.6	22.7

PERLAKUAN	PENGUKURAN						
	H-0	H-7	H-14	H-21	H-28	H-35	H-42
B1	16.8	17.2	18.2	18.8	19.2	19.8	20.5
	17.2	17	17.8	18.7	18.8	20.2	20.6
	17.3	18.2	17.9	18.3	19.4	19.7	20.9
	17.4	18.3	18	18.3	19.4	19.6	20.5
	18.2	17.6	18.2	18.4	18.7	19.6	21
B2	17	17.2	18.3	18.5	19.3	20.2	20.8
	16.9	17.6	17.6	19.2	19.5	19.8	20.8
	17.3	17.3	17.8	19.3	18.8	19.7	20
	18	17.4	18.3	18.7	19.2	19.8	21.3
	16.5	18.3	18.4	19.1	19.2	19.7	21.6
B3	16.7	18.3	18.7	18.8	19	20.3	21.5
	17.3	17.3	18.6	18.8	19.4	19.8	21.5
	17.4	17.4	17.9	19.2	19.7	20.6	21
	17.8	17.3	18.2	18.8	19.2	20.2	22.2
	18.2	18.3	17.7	19.3	19.5	19.8	21.7

PERLAKUAN	PENGUKURAN						
	H-0	H-7	H-14	H-21	H-28	H-35	H-42
C1	17.2	17.3	18.2	18.8	19.2	19.6	20.8
	17.4	17.5	17.8	18.8	18.8	19.5	21
	17.4	18.3	18	19	19.2	19.5	20.5
	16.5	17.3	17.9	18.3	18.7	19.2	21
	18.2	17.5	18.8	18.6	18.8	19.4	20.8
C2	17.6	17.5	18	18.4	18.7	19.7	20.2
	16.8	18.2	17.3	18.4	19.2	19.5	20.8
	17.4	16.8	17.6	18.7	19.5	19.2	19.8
	18.2	17.8	18.3	18.6	18.8	19.8	20.6
	17.2	17.3	18.4	18.6	19.2	19.6	20.5
C3	16.8	18.3	18.7	18.9	19.4	20.2	20.8
	17.4	17.5	18.5	19	18.8	19.6	21.5
	17.5	17.8	18.4	18.8	19.3	19.5	20.5
	17.5	16.8	17.8	18.5	18.8	19.8	20.8
	18	18.3	17.7	18.5	18.9	19.4	20.2

Lampiran 4. Data Pengukuran Panjang Vertikal Rumput Laut Selama Penelitian

PERLAKUAN	PENGUKURAN						
	H-0	H-7	H-14	H-21	H-28	H-35	H-42
	V	V	V	V	V	V	V
A1	11	11	11.3	11.3	11.3	11.5	11.6
A2	10	10.2	10.3	10.3	10.5	10.5	10.5
A3	9.5	9.7	9.8	9.8	10	10.2	10.4
B1	11	11.2	11.2	11.2	11.5	11.5	11.7
B2	9	9.3	9.3	9.3	9.5	9.7	9.8
B3	8	8.3	8.5	8.5	8.8	8.8	9
C1	10	10.2	10.5	10.5	10.7	10.7	10.8
C2	11	11.3	11.3	11.3	11.5	11.7	11.7
C3	11.5	11.5	11.8	11.8	11.8	11.8	12

Lampiran 5. Data Pengukuran Panjang Horizontal Rumpu Laut Selama Penelitian

PERLAKUAN	PENGUKURAN						
	H-0	H-7	H-14	H-21	H-28	H-35	H-42
	H	H	H	H	H	H	H
A1	9	9	9.2	9.3	9.3	9.3	9.5
A2	8	8	8.2	8.2	8.2	8.5	8.8
A3	8	8.2	8.5	8.5	8.5	8.5	8.6
B1	8	8.3	8.5	8.5	8.5	8.7	8.7
B2	8	8.2	8.4	8.5	8.5	9.6	8.8
B3	8	8.3	8.3	8.3	8.7	8.9	9.1
C1	9.5	9.5	9.5	9.5	9.6	9.8	9.8
C2	10	10.2	10.5	10.5	10.5	10.8	10.8
C3	9	9.3	9.5	9.5	9.8	10	10

Lampiran 6. Data Pengukuran Panjang Total Udang Vaname Selama Penelitian

PERLAKUAN	PENGUKURAN						
	H-0	H-7	H-14	H-21	H-28	H-35	H-42
	T	T	T	T	T	T	T
A1	10.3	11.4	11.2	11.2	11.3	11.2	11.7
	11	10.8	11	11.2	11.2	11.4	12
	10.8	11.1	11.1	11	11.1	11.4	12
	10.3	10.3	11	11.3	11	11.5	12.1
	10.2	11	11.3	11	11.5	11.3	12.1
A2	11	10	11	11.2	11	11.5	11.3
	10.8	11	11.3	11	11.5	11	11.6
	10.5	11	11	11.3	11.2	11.4	12.1
	10.8	11.4	11	11.3	11.4	11.2	11.6
	9.8	11.5	11	11.2	11.2	11.3	11.4
A3	10	10	10	10	11	11	11.5
	10.7	11	10.8	11.3	11	11.5	11.2
	10	10	11	11.4	11.2	11.3	11.3
	10.1	10.8	10.7	11.3	11.4	11	12
	11	11.1	11	11.1	11.5	11.6	11.3

PERLAKUAN	PENGUKURAN						
	H-0	H-7	H-14	H-21	H-28	H-35	H-42
	T	T	T	T	T	T	T
B1	10.5	10.5	10.8	11	11	11	11.3
	10.6	10.8	10.8	11	11.1	11.3	11.2
	9.8	10.8	11	11.1	11.3	11	11.3
	10.8	10.8	10.8	11.2	11	11	11
	10.7	11	11.1	11.1	11.1	11.1	11.2
B2	10.7	10.8	10.8	3.8	3.8	3.8	11.3
	10.8	10.8	10.8	3.7	4	4	11.2
	11	11	11	3.8	3.7	3.7	11.1
	9.7	10.8	11	3.7	3.8	3.7	11.3
	10.7	10.9	11	3.7	3.8	3.8	11.3
B3	10.3	10.8	11	11	11	11	11.1
	10.4	10.6	10.7	11	11.1	11	11.2
	10.2	10.7	10.8	11	10.8	11	11
	10.8	10.6	11	10.8	11	11.1	11.3
	11	10.8	10.7	10.8	11	11.2	11.2

PERLAKUAN	PENGUKURAN						
	H-0	H-7	H-14	H-21	H-28	H-35	H-42
	T	T	T	T	T	T	T
C1	10.7	10.7	10.8	10.7	11.1	11.1	10.8
	10.7	10.7	10.8	10.7	10.6	10.8	10.7
	10.6	10.6	10.6	10.7	10.8	10.8	11.2
	10.5	10.7	10.6	10.6	10.8	10.7	10.8
	10.3	10.5	10.7	10.8	10.7	10.8	11
C2	10.7	10.8	10.8	10.7	10.8	11	10.8
	10.5	10.8	10.7	10.8	10.7	10.8	10.7
	10.3	10.7	10.8	10.8	10.7	10.8	10.8
	10.7	10.6	10.7	10.8	10.8	10.7	11
	10.7	10.5	10.8	10.7	10.9	10.8	11
C3	10.3	10.6	10.7	10.6	10.6	10.6	11
	10.4	10.7	10.7	10.6	10.7	10.8	10.8
	10.5	10.5	10.6	10.7	10.7	10.7	11
	10.7	10.7	10.6	10.7	10.8	10.8	10.8
	10.7	10.7	10.7	10.8	10.8	10.8	10.8

Keterangan :

1. A 1-3 : Perlakuan Kepadatan ikan bandeng dan udang 10 ekor/m², rumput laut 250 g/m²)
2. B 1-3 : Perlakuan Kepadatan ikan bandeng dan udang 10 ekor/m², rumput laut 250 g/m²)
3. C 1-3 : Perlakuan Kepadatan ikan bandeng dan udang 10 ekor/m², rumput laut 250 g/m²)
4. H : Panjang Horizontal Rumput laut
5. V : Panjang vertical rumput laut
6. T : Panjang Total udang vaname

Lampiran 7. Data Kualitas Air Selama Penelitian

1. Hari ke-0

Perlakuan	A1	A2	A3	B1	B2	B3	C1	C2	C3
SUHU	32.8	32.2	31.6	32.2	32.2	31.7	32.8	32.6	31
SAL	2	1	2	2	1	1	1	1	1
PH	6.54	6.95	6.78	6.93	6.88	6.95	6.93	6.66	6.83
KEC	24	29	28	30	31	32	26	30	29
DO	2.1	2.5	2	1.4	2	2.2	1.1	1.9	1.2

2. Hari ke-7

Perlakuan	A1	A2	A3	B1	B2	B3	C1	C2	C3
SAL	2	2	2	1	1	1	1	1	1
PH	7.5	7	7.5	6.5	7	7.5	8	7.5	7.5
DO	1.1	1.9	1.4	1.1	1.3	1.2	1.1	1.2	1.2
SUHU	31.2	31.3	32.2	31.6	31.4	31.3	31.2	31	32
KEC	43	42	45	49	47	43	43	42	49

3. hari ke-14

Perlakuan	A1	A2	A3	B1	B2	B3	C1	C2	C3
SAL	2	2	2	1	2	1	1	2	1
PH	7.5	7.5	8	7	7.5	7.5	7	7.5	7.5
DO	1.8	1.5	1.7	1.4	1.3	1.3	1.1	1.2	1.1
SUHU	29.2	30.1	31.3	31.2	31.3	31	32	32.1	31.2
KEC	40	45	38	49	47	45	40	45	47

4. Hari ke-21

Perlakuan	A1	A2	A3	B1	B2	B3	C1	C2	C3
SAL	3	2	2	2	1	2	1	2	2
PH	7.5	7	7.5	7	8	7.5	7	7.5	7.5
DO	1.9	2	2.6	2	1.3	1.4	1.2	1.4	1.2
SUHU	30.1	31.3	31.2	30.1	29.4	31.5	32.6	31.7	32
KEC	49	45	45	40	48	50	49	45	49

5. Hari ke-28

Perlakuan	A1	A2	A3	B1	B2	B3	C1	C2	C3
SAL	2	2	3	2	2	1	2	1	1
PH	7	7.5	7.5	8	7.5	7	7.5	7.5	7.5
DO	2	1.8	2.1	1.4	1.3	1.5	1.3	1.4	1.2
SUHU	30.3	29.8	31.2	32.4	31.1	30.2	31.5	31.1	31
KEC	45	40	50	50	48	44	50	55	45

6. Hari ke-35

Perlakuan	A1	A2	A3	B1	B2	B3	C1	C2	C3
SAL	2	2	2	2	1	1	2	1	1
PH	7.5	7.5	7	7.5	8	7.5	7.5	7	7.5
DO	2.5	2.1	2.2	1.9	1.4	1.2	1.2	1.3	1.4
SUHU	30.1	32.2	32.1	31.3	30.3	32.1	30.4	30.2	30.5
KEC	45	40	48	47	40	40	50	49	45

7. Hari ke- 42

Perlakuan	A1	A2	A3	B1	B2	B3	C1	C2	C3
SAL	2	3	2	2	1	2	1	2	2
PH	7	7	7	7	7.5	7.5	7.5	7.5	8
DO	3.4	2.5	2.4	2.2	1.9	1.6	1.4	1.4	1.2
SUHU	29.3	30.4	31.6	31.5	30.4	31.1	32.2	30.7	31.5
KEC	48	46	40	42	44	43	45	48	47

Keterangan

1. A 1-3 : Perlakuan Kepadatan ikan bandeng dan udang 10 ekor/m², rumput laut 250 g/m²)

2. B 1-3 : Perlakuan Kepadatan ikan bandeng dan udang 10 ekor/m², rumput laut 250 g/m²)
3. C 1-3 : Perlakuan Kepadatan ikan bandeng dan udang 10 ekor/m², rumput laut 250 g/m²)

Lampiran 8. Data Redoks tanah selama penelitian

Hari ke-0								
No	Parameter	Satuan	Hasil					
1.	Redox	mV	A1	-350	B1	-281	C1	-298
			A2	-328	B2	-299	C2	-285
			A3	-352	B3	-306	C3	-285
Hari ke-42								
No	Parameter	Satuan	Hasil					
2.	Redox	mV	A1	-42	B1	-66	C1	-99
			A2	-99	B2	-142	C2	-75
			A3	-276	B3	-130	C3	-45

Lampiran 9. Dokumentasi Selama Penelitian



Bibit Rumput laut



Benih Udang Vaname



Benih Ikan bandeng



Pembuatan Wadah budidaya



Pemasangan terpal



Pemasangan terpal



Pengukuran Oksigen terlarut



Pengukuran Salinitas



Bibit sampel rumput laut



Bibit sampel rumput laut



Pengukuran rumput laut



Pengambilan sampel tanah



Pengukuran pH



Pengukuran panjang udang



Gambar wadah budidaya



Pengukuran suhu dan pH



Pengukuran ikan bandeng



Pengukuran kecerahan