

Lampiran 1. Hasil Uji Statistik Bakteri *Vibrio* sp.

Descriptive Statistics

	N	Range	Mean	Std. Deviation
Bak1	4	1.00	.8550	.44970
Bak2	4	.92	1.3875	.39187
Bak3	4	.90	2.1550	.41461
Valid N (listwise)	4			



Lampiran 2. Hasil Uji Laju Pertumbuhan Spesifik Ikan Kerapu Cantang

A. Uji Asumsi Normalitas

Tests of Normality

	Kelompok	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
SGR	1	.138	50	.019	.913	50	.001
	2	.121	50	.066	.920	50	.002
	3	.087	50	.200 [*]	.956	50	.060

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

B. Uji Deskriptif

Descriptive Statistics

	N	Range	Mean	Std. Deviation
Bak 1	50	.17	.4775	.05616
Bak 2	50	.18	.2642	.06003
Bak 3	50	.17	.2323	.05216
Valid N (listwise)	50			

C. Uji Beda *Kruskal Wallis*

Ranks

	Kelompok	N	Mean Rank
SGR	1	50	125.50
	2	50	57.92
	3	50	43.08
	Total	150	

Test Statistics^{a,b}

SGR	
Kruskal-Wallis H	102.306
df	2
Asymp. Sig.	.000

a. Kruskal Wallis Test

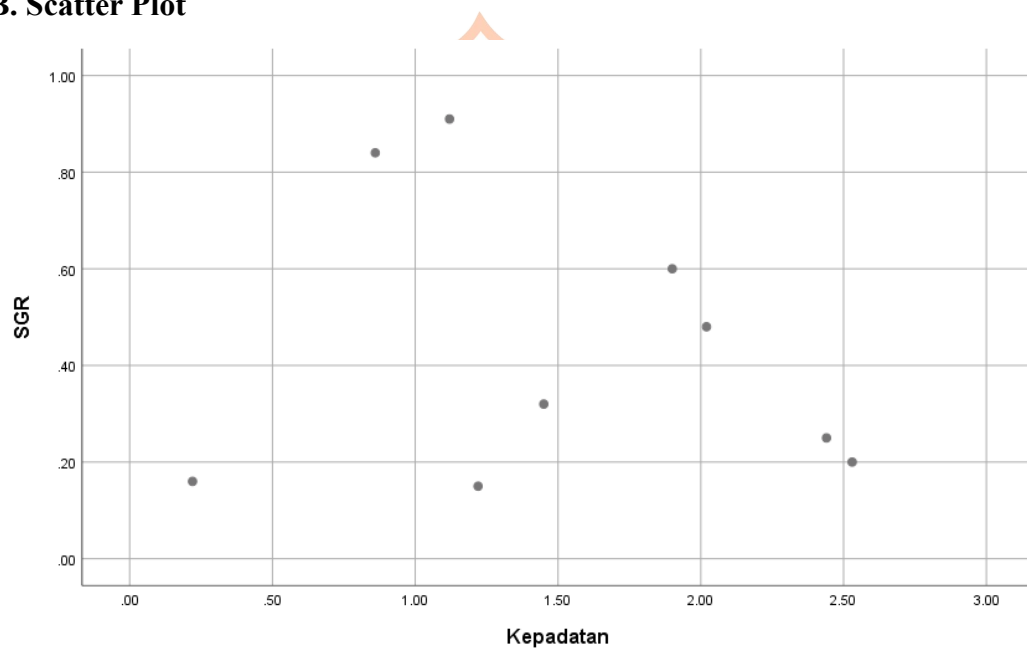
b. Grouping Variable:
Kelompok

Lampiran 3. Hasil Uji Statistik Hubungan Kepadatan Bakteri dan Pertumbuhan

A. Uji Korelasi Pearson

Correlations			
		Kepadatan	SGR
Kepadatan	Pearson Correlation	1	-.185
	Sig. (2-tailed)		.633
	N	9	9
SGR	Pearson Correlation	-.185	1
	Sig. (2-tailed)	.633	
	N	9	9

B. Scatter Plot



Lampiran 4. Hasil Uji Statistik Kematian Ikan Kerapu Cantang

A. Uji Asumsi Normalitas

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Bak1	.194	4	.	.976	4	.879
Bak2	.177	4	.	.985	4	.929
Bak3	.161	4	.	.992	4	.967

a. Lilliefors Significance Correction

B. Uji Deskriptif

Descriptive Statistics

	N	Range	Mean	Std. Deviation
Bak1	4	4.50	25.0000	1.87083
Bak2	4	3.00	25.5000	1.29099
Bak3	4	3.00	26.6250	1.37689
Valid N (listwise)	4			

C. Uji Asumsi Homogenitas

Test of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
LagKematian	Based on Mean	.784	2	8	.489
	Based on Median	.754	2	8	.501
	Based on Median and with adjusted df	.754	2	4.498	.522
	Based on trimmed mean	.772	2	8	.494

D. Uji Anova Satu Arah

ANOVA

LagKematian					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	24.924	2	12.462	5.677	.029
Within Groups	17.562	8	2.195		
Total	42.485	10			

E. Post Hoc Tests

Multiple Comparisons

Dependent Variable: LagKematian

Tukey HSD

(I) Bak	(J) Bak	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Bak 1	Bak 2	1.20833	1.13161	.559	-2.0252	4.4418
	Bak 3	3.65833*	1.13161	.029	.4248	6.8918
Bak 2	Bak 1	-1.20833	1.13161	.559	-4.4418	2.0252
	Bak 3	2.45000	1.04767	.107	-.5436	5.4436
Bak 3	Bak 1	-3.65833*	1.13161	.029	-6.8918	-.4248
	Bak 2	-2.45000	1.04767	.107	-5.4436	.5436

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

F. Homogeneous Subsets

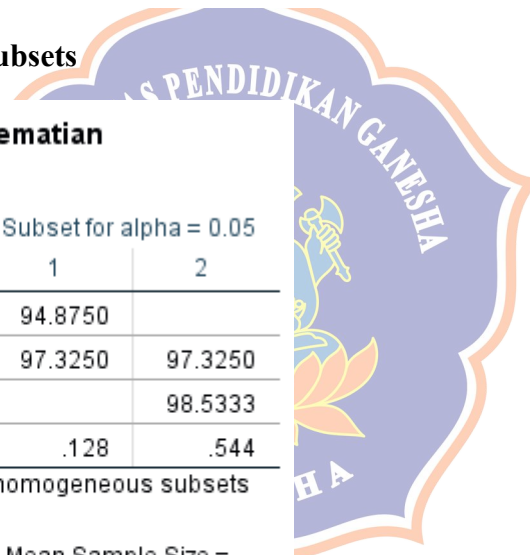
LagKematian

Tukey HSD^{a,b}

Bak	N	Subset for alpha = 0.05	
		1	2
Bak 3	4	94.8750	
Bak 2	4	97.3250	97.3250
Bak 1	3		98.5333
Sig.		.128	.544

Means for groups in homogeneous subsets are displayed.

- Uses Harmonic Mean Sample Size = 3.600.
- The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.



G. Uji Kaplan Meier

Case Processing Summary

Perlakuan Bak	Total N	N of Events	Censored	
			N	Percent
Bak 1	6000	146	5854	97.6%
Bak 2	10000	500	9500	95.0%
Bak 3	14000	1497	12503	89.3%
Overall	30000	2143	27857	92.9%

Means and Medians for Survival Time

Perlakuan Bak	Estimate	Std. Error	Mean ^a		Estimate	Std. Error	Median	
			95% Confidence Interval				95% Confidence Interval	
			Lower Bound	Upper Bound			Lower Bound	Upper Bound
Bak 1	3.957	.004	3.949	3.965	.	.	.	.
Bak 2	3.920	.004	3.911	3.928	.	.	.	.
Bak 3	3.845	.005	3.836	3.855	.	.	.	.
Overall	3.893	.003	3.887	3.898	.	.	.	.

a. Estimation is limited to the largest survival time if it is censored.



Overall Comparisons

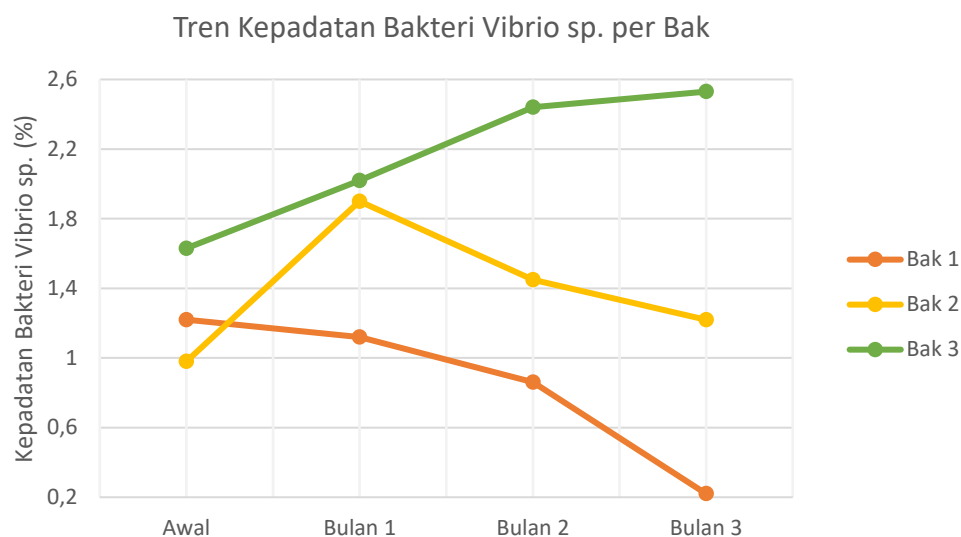
	Chi-Square	df	Sig.
Log Rank (Mantel-Cox)	532.016	2	.000

Test of equality of survival distributions for the different levels of Perlakuan Bak.

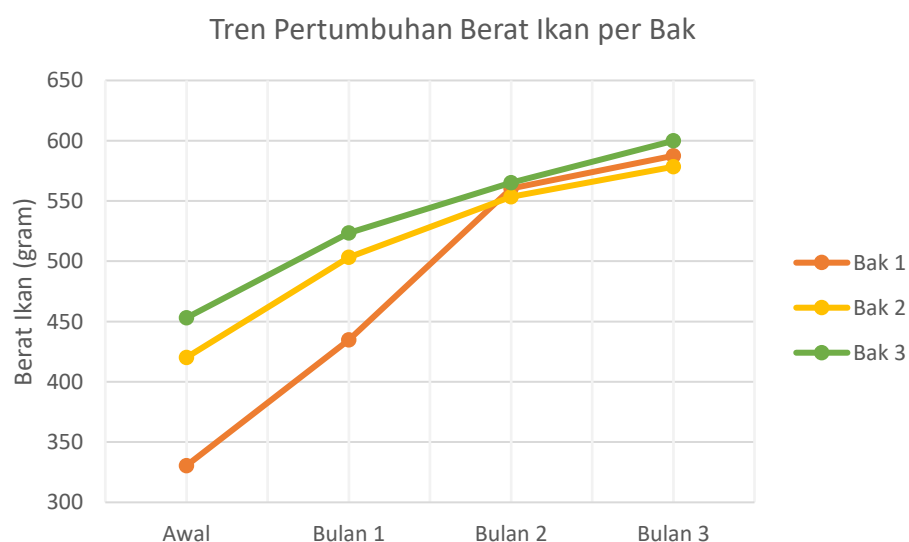


Lampiran 5. Grafik dan Visualisasi

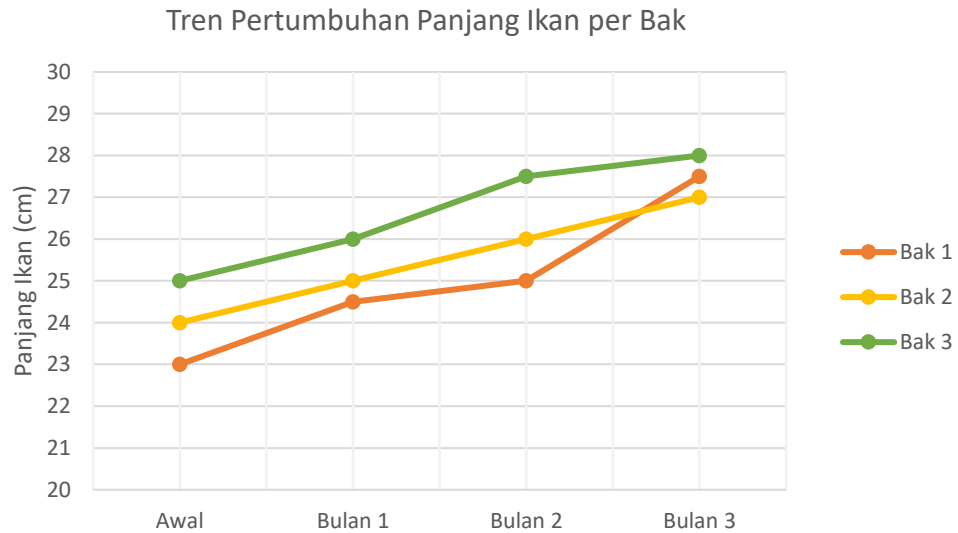
- a. Gambar 4.1.1 – Tren Kepadatan Bakteri *Vibrio* sp. per Bak
(Grafik garis tiga warna: Bak 1 – orange, Bak 2 – kuning, Bak 3 – hijau;
sumbu X = Bulan, sumbu Y = Kepadatan (%))



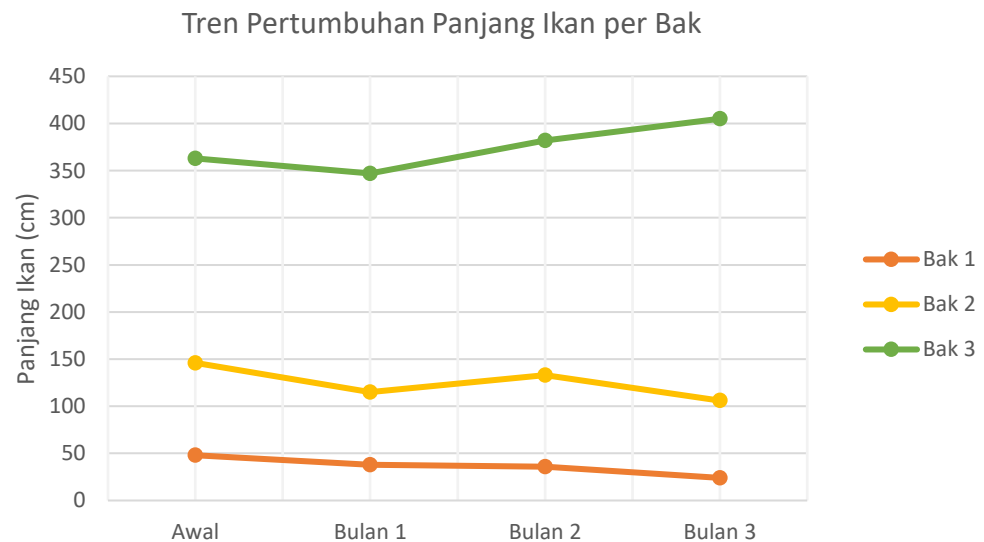
- b. Gambar 4.1.2 – Tren Pertumbuhan Berat Ikan per Bak
(Grafik garis tiga warna: Bak 1 – orange, Bak 2 – kuning, Bak 3 – hijau;
sumbu X = Bulan, sumbu Y = Berat (gram))



- c. **Gambar 4.1.3 – Tren Pertumbuhan Panjang Ikan per Bak**
(Grafik garis tiga warna: Bak 1 – orange, Bak 2 – kuning, Bak 3 – hijau; sumbu X = Bulan, sumbu Y = Panjang (cm))



- d. **Gambar 4.1.4 – Tren Kematian Ikan per Bak**
(Grafik garis tiga warna: Bak 1 – orange, Bak 2 – kuning, Bak 3 – hijau; sumbu X = Bulan, sumbu Y = Panjang (cm))



Lampiran 6. Data Koloni Total Bakteri dan Bakteri *Vibrio* sp. pada Bak Pemeliharaan

Data Awal

Bakteri *Vibrio* sp.

Pengenceran	Bak	1	2	3	Jumlah	Rerata
10^1	Bak 1	154	133	144	431	143,6
	Bak 2	212	196	187	595	198,3
	Bak 3	199	254	259	712	237,3
10^2	Bak 1	62	65	65	189	63
	Bak 2	78	70	77	225	75
	Bak 3	79	76	81	236	78,6
10^3	Bak 1	0	0	1	1	0,3
	Bak 2	1	0	3	4	1,3
	Bak 3	1	1	5	7	2,2

Total Bakteri

Pengenceran	Bak	1	2	3	Jumlah	Rerata
10^3	Bak 1	115	119	118	352	117,3
	Bak 2	210	215	211	636	212
	Bak 3	169	126	141	436	145,3
10^4	Bak 1	65	43	46	154	51,3
	Bak 2	70	88	70	228	76
	Bak 3	55	49	40	144	48
10^5	Bak 1	9	9	13	31	10,3
	Bak 2	10	11	14	35	11,6
	Bak 3	10	8	14	32	10,6

Data Bulan Pertama

Bakteri *Vibrio* sp.

Pengenceran	Bak	1	2	3	Jumlah	Rerata
10^1	Bak 1	250	258	260	768	256
	Bak 2	210	198	204	612	204
	Bak 3	228	246	228	702	234
10^2	Bak 1	76	80	78	234	78
	Bak 2	102	88	84	274	91,3
	Bak 3	88	90	97	275	91,6
10^3	Bak 1	12	18	12	42	14
	Bak 2	15	11	14	40	13,3
	Bak 3	18	16	17	51	17

Total Bakteri

Pengenceran	Bak	1	2	3	Jumlah	Rerata
10^3	Bak 1	219	222	220	661	220,3
	Bak 2	114	102	105	321	107
	Bak 3	96	110	99	305	101,6
10^4	Bak 1	70	72	66	208	69,3
	Bak 2	46	49	49	144	48
	Bak 3	39	56	41	136	45,3
10^5	Bak 1	16	16	14	46	15,3
	Bak 2	12	13	14	39	13
	Bak 3	12	13	12	37	12,3

Data Bulan Kedua

Bakteri *Vibrio* sp.

Pengenceran	Bak	1	2	3	Jumlah	Rerata
10^1	Bak 1	198	207	198	603	201
	Bak 2	190	184	187	561	187
	Bak 3	175	180	177	532	177,6
10^2	Bak 1	70	82	73	225	75
	Bak 2	60	61	68	189	63
	Bak 3	78	72	72	222	74
10^3	Bak 1	18	12	15	45	15
	Bak 2	15	13	14	42	14
	Bak 3	20	20	17	57	19

Total Bakteri

Pengenceran	Bak	1	2	3	Jumlah	Rerata
10^3	Bak 1	228	228	235	691	230,6
	Bak 2	152	139	142	433	144,3
	Bak 3	102	98	106	306	102
10^4	Bak 1	89	90	82	261	87
	Bak 2	40	43	47	130	43,3
	Bak 3	34	29	28	91	30,3
10^5	Bak 1	18	15	18	51	17
	Bak 2	9	11	11	31	10,3
	Bak 3	11	11	10	32	10,6

Data Bulan Ketiga

Bakteri *Vibrio* sp.

Pengenceran	Bak	1	2	3	Jumlah	Rerata
10^1	Bak 1	92	96	103	291	97
	Bak 2	188	169	173	530	176,6
	Bak 3	187	185	192	564	188
10^2	Bak 1	19	26	18	63	21
	Bak 2	82	86	78	246	82
	Bak 3	74	74	80	228	76
10^3	Bak 1	2	2	5	9	3
	Bak 2	15	21	18	54	18
	Bak 3	22	16	14	52	17,3

Total Bakteri

Pengenceran	Bak	1	2	3	Jumlah	Rerata
10^3	Bak 1	196	199	201	596	198,6
	Bak 2	128	118	118	365	122,3
	Bak 3	130	140	138	408	136
10^4	Bak 1	90	90	97	277	92,3
	Bak 2	64	65	72	201	67
	Bak 3	22	32	36	90	30
10^5	Bak 1	7	7	7	21	7
	Bak 2	15	13	13	41	13,6
	Bak 3	10	12	9	33	11

Lampiran 7. Presentase Kepadatan Bakteri *Vibrio* sp. pada Bak Pemeliharaan

Presentase Kepadatan Bakteri *Vibrio* sp. pada Bak Pemeliharaan

Pengecekan	Bak		
	Bak 1	Bak 2	Bak 3
Bulan Awal	1,22%	0,98%	1,63%
Bulan Pertama	1,12%	1,90%	2,02%
Bulan Kedua	0,86%	1,45%	2,44%
Bulan Ketiga	0,22%	1,22%	2,53%
Rerata	0,85%	1,38%	2,15%



Lampiran 8. Data Berat Ikan Kerapu Cantang

Data Awal

Data	Bak		
	Bak 1	Bak 2	Bak 3
1	390	495	510
2	330	430	465
3	335	450	450
4	310	380	415
5	355	450	470
6	405	465	535
7	300	375	440
8	335	435	400
9	375	450	495
10	320	415	435
11	290	370	385
12	340	445	455
13	320	420	445
14	390	490	520
15	310	400	420
16	400	495	535
17	420	415	430
18	415	510	545
19	315	415	430
20	330	430	445
21	410	505	515
22	300	390	410
23	355	450	450
24	305	405	420
25	385	470	500
26	295	380	405

27	340	440	445
28	325	415	435
29	365	455	485
30	290	375	400
31	355	435	450
32	350	405	440
33	315	500	540
34	400	390	395
35	295	425	465
36	355	460	475
37	420	410	435
38	310	465	390
39	330	445	445
40	260	360	385
41	365	520	550
42	315	410	430
43	385	440	470
44	345	350	370
45	285	430	455
46	420	520	535
47	300	405	425
48	350	420	440
49	265	305	370
50	320	440	450
Jumlah	16.525	21.010	22.655
Rerata	330,5	420,2	453,1

Data Bulan Pertama

Data	Bak		
	Bak 1	Bak 2	Bak 3
1	470	565	585
2	430	510	530
3	450	520	540
4	385	490	490
5	440	495	545
6	450	455	565
7	410	475	490
8	440	410	530
9	380	535	555
10	430	500	510
11	470	550	460
12	430	520	540
13	450	495	520
14	390	440	570
15	450	465	485
16	390	550	575
17	450	490	510
18	445	565	600
19	395	500	510
20	420	505	525
21	475	560	590
22	415	470	475
23	455	425	555
24	370	485	495
25	435	540	560
26	470	470	475
27	420	515	535

28	430	495	510
29	390	535	545
30	440	450	470
31	445	520	525
32	410	480	495
33	465	550	585
34	395	470	470
35	435	510	520
36	450	525	505
37	375	495	460
38	445	460	540
39	415	520	470
40	455	465	605
41	430	570	550
42	440	475	490
43	485	530	535
44	420	445	450
45	480	505	525
46	430	580	610
47	440	490	495
48	450	500	510
49	450	430	440
50	435	540	555
Jumlah	21.745	25.160	26.180
Rerata	434,9	503,2	523,6

Data Bulan Kedua

Data	Bak		
	Bak 1	Bak 2	Bak 3
1	550	590	530
2	550	495	505
3	615	500	600
4	540	585	590
5	545	510	515
6	520	595	535
7	550	580	550
8	600	540	615
9	620	540	540
10	565	535	575
11	560	510	505
12	610	600	600
13	520	545	575
14	555	610	630
15	605	570	565
16	585	610	505
17	615	510	570
18	595	610	540
19	615	490	530
20	590	505	605
21	510	585	595
22	505	565	615
23	530	525	520
24	550	520	555
25	580	490	540
26	540	550	580
27	580	490	570

28	505	505	545
29	510	530	570
30	510	545	530
31	550	585	575
32	600	610	575
33	540	525	630
34	550	500	615
35	540	610	585
36	525	550	520
37	505	575	515
38	540	600	625
39	585	555	525
40	615	585	510
41	540	545	625
42	555	610	590
43	525	560	520
44	620	585	615
45	535	560	550
46	610	545	590
47	595	605	520
48	585	545	630
49	520	495	560
50	560	595	580
Jumlah	28.020	27.675	28.255
Rerata	560,4	553,5	565,1

Data Bulan Ketiga

Data	Bak		
	Bak 1	Bak 2	Bak 3
1	600	535	660
2	610	605	640
3	640	630	555
4	630	570	595
5	635	525	660
6	555	525	645
7	540	630	545
8	605	515	660
9	565	545	615
10	560	640	605
11	635	525	595
12	545	525	655
13	625	570	610
14	595	610	595
15	575	560	555
16	535	605	535
17	635	630	630
18	585	595	545
19	575	565	620
20	620	640	535
21	635	515	590
22	580	530	620
23	540	525	610
24	610	570	540
25	550	535	660
26	605	540	555
27	535	535	625

28	525	605	565
29	645	605	590
30	565	610	595
31	525	525	620
32	530	590	615
33	630	600	550
34	535	580	595
35	550	620	625
36	540	595	605
37	575	640	650
38	565	555	595
39	640	580	615
40	640	580	555
41	645	550	640
42	545	640	565
43	580	535	630
44	575	640	590
45	620	540	660
46	635	640	575
47	565	580	585
48	630	620	580
49	630	560	575
50	565	635	565
Jumlah	29.375	28.920	29.995
Rerata	587,5	578,4	599,9

Lampiran 9. Data Panjang Ikan Kerapu Cantang

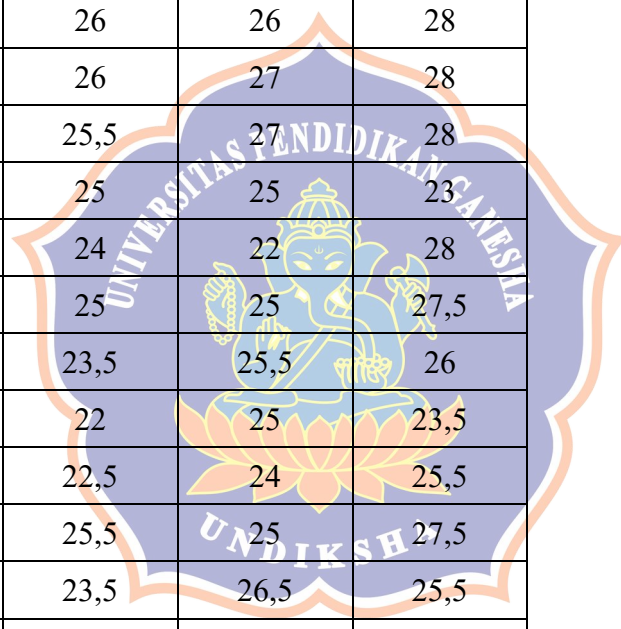
Data Panjang Awal

Data	Bak		
	Bak 1	Bak 2	Bak 3
1	22	25,5	25,5
2	24	23,5	24
3	23	24	23,5
4	20,5	22	26
5	21,5	26	25
6	24	24,5	24,5
7	25,5	22,5	26,5
8	20,5	25	25,5
9	24,5	24	24
10	24	24,5	25
11	24,5	23	23,5
12	22	25,5	26,5
13	20,5	24	24,5
14	21,5	23,5	25
15	25,5	25	26
16	25,5	22,5	23,5
17	23	24	25,5
18	25,5	26	24,5
19	26	23	25
20	23,5	24,5	26
21	21	24	23,5
22	20	22	25,5
23	21,5	25,5	24,5
24	20,5	23,5	25
25	23,5	24	26,5
26	21,5	25	25
27	20,5	24,5	24

28	22,5	22,5	26
29	22,5	25	23,5
30	24,5	23	25,5
31	21,5	24	24,5
32	22,5	25,5	26
33	26	23	25
34	20,5	24	24
35	24,5	25	25,5
36	25,5	24,5	23
37	20,5	22,5	26,5
38	24,5	26	24,5
39	21,5	23,5	25
40	23,5	25	26
41	23	24,5	23,5
42	25,5	22,5	25,5
43	24	26	24,5
44	23,5	23,5	27
45	22	24	23
46	26	22,5	26,5
47	20,5	25	24,5
48	22	24	25
49	23,5	24,5	24
50	24,5	22	25,5
Jumlah	1.150	1.200	1.250
Rerata	23	24	25

Data Bulan Pertama

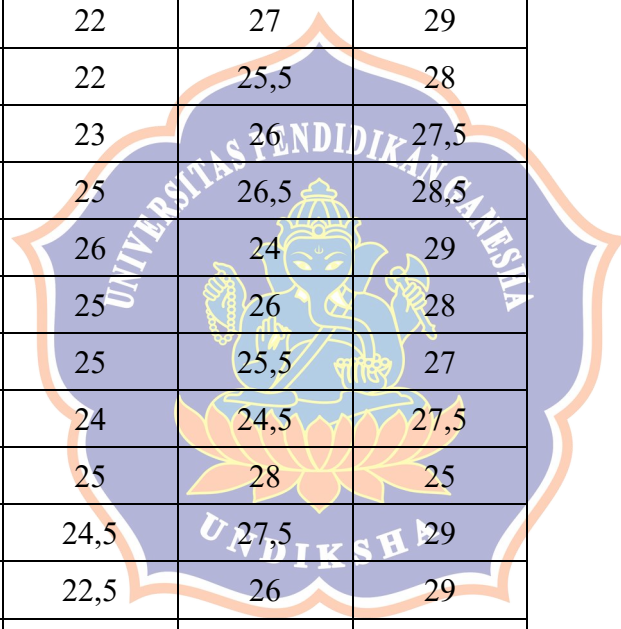
Data	Bak		
	Bak 1	Bak 2	Bak 3
1	23,5	23,5	25
2	24,5	26,5	28
3	26	26	26
4	22,5	26,5	27,5
5	24,5	26	23,5
6	25	24	25,5
7	24	25	24,5
8	25,5	25	26,5
9	26	26	27,5
10	26	25	26,5
11	24,5	25,5	25
12	24	25	23
13	25	27	28
14	25	23,5	27
15	23	22,5	27,5
16	25	23	24,5
17	23,5	25	23,5
18	24	27	26,5
19	25	27	27
20	25	26	25,5
21	26	27	24,5
22	25,5	22,5	28
23	25	25	27,5
24	25	23,5	26
25	25,5	25	27
26	24,5	24	26
27	25	25	26,5
28	24	24,5	24



29	23,5	22,5	26
30	25,5	25	25,5
31	23,5	24	25
32	26	26	24,5
33	22,5	27	27
34	25	22	26,5
35	23,5	22	24,5
36	24,5	22,5	25
37	22,5	25,5	26
38	23,5	27	26,5
39	26	26	28
40	26	27	28
41	25,5	27	28
42	25	25	23
43	24	22	28
44	25	25	27,5
45	23,5	25,5	26
46	22	25	23,5
47	22,5	24	25,5
48	25,5	25	27,5
49	23,5	26,5	25,5
50	24,5	27	25,5
Jumlah	1.225	1.250	1.300
Rerata	24,5	25	26

Data Bulan Kedua

Data	Bak		
	Bak 1	Bak 2	Bak 3
1	25	23,5	29
2	24	25,5	27,5
3	25	27,5	28,5
4	26,5	25,5	28,5
5	27	25,5	27,5
6	23,5	25	26,5
7	26,5	28	26
8	26	26	28,5
9	26,5	27,5	29
10	26	23,5	26
11	24	28	25
12	25	23	29
13	25	28	28
14	26	27,5	27
15	25	26	28,5
16	27	25,5	26,5
17	25	24,5	29
18	22	26,5	25,5
19	25	27,5	25
20	25,5	26,5	29
21	25,5	25	26,5
22	25	26	28,5
23	27	26,5	28
24	23,5	28	26,5
25	22,5	28	27,5
26	22,5	25	29
27	25,5	23	28
28	27	28	26,5



29	26	27	25,5
30	27	27,5	28
31	22,5	25	28
32	25	24,5	25,5
33	27	27	26,5
34	26,5	26,5	26,5
35	26	24,5	26
36	24	24,5	27,5
37	26	23,5	26
38	27	26,5	29
39	22	27	29
40	22	25,5	28
41	23	26	27,5
42	25	26,5	28,5
43	26	24	29
44	25	26	28
45	25	25,5	27
46	24	24,5	27,5
47	25	28	25
48	24,5	27,5	29
49	22,5	26	29
50	25	27	29
Jumlah	1.250	1.300	1.375
Rerata	25	26	27,5

Data Bulan Ketiga

Data	Bak		
	Bak 1	Bak 2	Bak 3
1	27,5	27	26,5
2	25	26,5	26
3	29	26,5	27
4	29	25,5	27
5	29	28	27
6	29	26,5	27,5
7	27,5	28,5	26,5
8	28,5	28	27
9	28,5	26,5	27,5
10	27,5	27,5	30
11	26,5	28	29
12	26	25,5	28,5
13	28,5	26,5	28
14	29	26,5	29
15	26	26	29
16	27,5	29	26
17	28,5	27,5	26
18	29	27	28,5
19	28	26,5	28
20	27	27,5	26,5
21	25	27,5	29
22	29	26	27
23	28	27	29,5
24	27	29	26,5
25	28,5	28	30
26	27,5	26,5	29,5
27	26	29	28
28	29	25,5	30

29	29	25	28
30	28	25	29
31	26,5	28	28,5
32	29	26,5	27
33	25,5	28	27
34	25	27	27,5
35	29	26	29
36	28	27,5	29,5
37	25,5	26,5	29,5
38	26,5	25	28
39	26,5	28	27,5
40	26	27	28,5
41	26,5	26,5	28
42	28,5	26	29,5
43	28	28,5	27
44	26,5	29	28
45	27,5	25,5	29,5
46	29	26	26
47	28	25,5	29
48	26,5	26,5	29,5
49	25,5	29	26
50	28	29	28,5
Jumlah	1.375	1.350	1.400
Rerata	27,5	27	28

Lampiran 10. Data Kematian Ikan Kerapu Cantang

Data kematian awal

Hari Ke-	Bak		
	Bak 1	Bak 2	Bak 3
1	3	5	8
2	2	8	12
3	2	2	20
4	3	5	9
5	0	3	17
6	1	4	12
7	2	2	9
8	3	5	13
9	0	5	13
10	1	2	14
11	3	6	18
12	2	5	8
13	3	3	9
14	1	7	14
15	2	6	9
16	1	2	10
17	2	5	11
18	0	9	9
19	1	4	13
20	2	6	12
21	1	6	14
22	2	5	13
23	1	6	12
24	2	4	13
25	1	8	10
26	3	4	11
27	1	4	8

28	1	5	8
29	0	7	14
30	2	3	20
Jumlah	48	146	363
Total Ikan	6.000	10.000	14.000
Sisa Ikan	5.952	9.854	13.637
SR (%)	99,2%	98,5%	97,4%

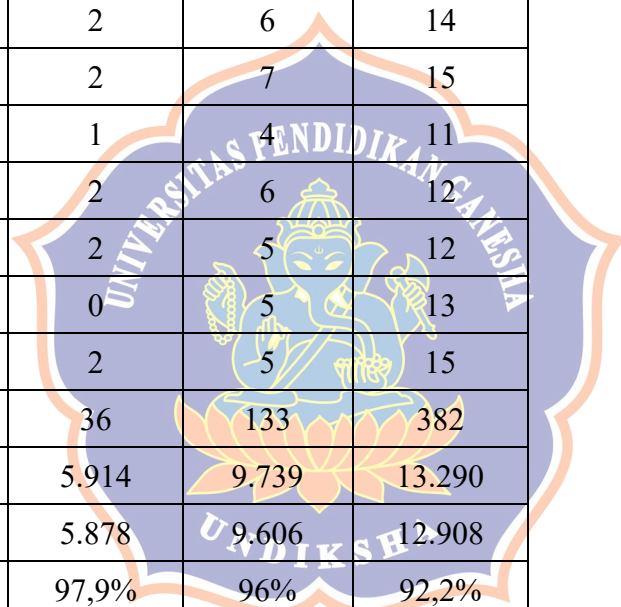
Data Bulan Pertama

Hari Ke-	Bak		
	Bak 1	Bak 2	Bak 3
31	1	5	8
32	1	12	11
33	0	4	12
34	3	5	14
35	1	3	11
36	2	3	21
37	0	7	12
38	2	0	6
39	2	6	14
40	1	7	13
41	2	7	21
42	0	4	11
43	1	2	10
44	1	6	9
45	1	2	10
46	0	4	15
47	1	3	11
48	0	3	14
49	0	3	9
50	3	1	13

51	2	2	13
52	1	4	5
53	2	8	7
54	2	4	10
55	1	3	11
56	2	2	12
57	0	6	9
58	1	3	13
59	3	4	11
60	0	2	11
Jumlah	38	115	347
Total Ikan	5.952	9.854	13.637
Sisa Ikan	5.915	9.739	13.290
SR (%)	98,5%	97,3%	94,9

Data Bulan Kedua

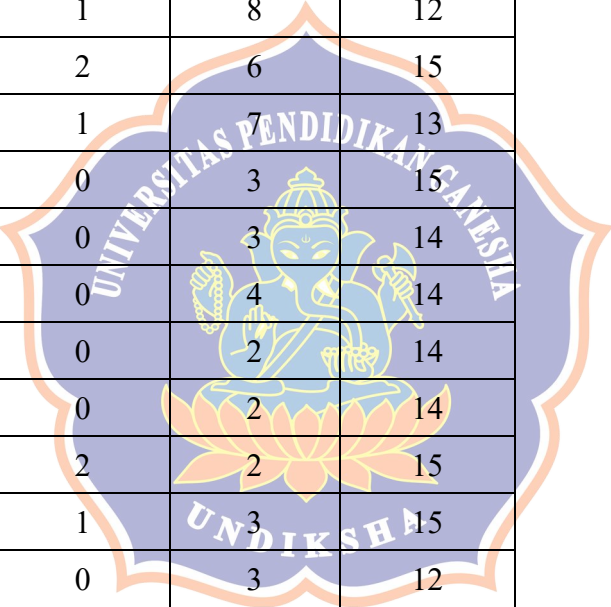
Hari Ke-	Bak		
	Bak 1	Bak 2	Bak 3
61	1	5	10
62	0	6	14
63	0	3	11
64	1	2	15
65	1	4	11
66	1	3	10
67	1	5	15
68	2	1	15
69	2	3	9
70	1	6	10
71	1	4	13
72	2	1	12
73	1	6	13



74	2	4	11
75	2	1	10
76	1	3	11
77	1	8	15
78	3	6	15
79	2	7	13
80	0	6	15
81	0	5	14
82	0	4	14
83	0	2	14
84	2	6	14
85	2	7	15
86	1	4	11
87	2	6	12
88	2	5	12
89	0	5	13
90	2	5	15
Jumlah	36	133	382
Total Ikan	5.914	9.739	13.290
Sisa Ikan	5.878	9.606	12.908
SR (%)	97,9%	96%	92,2%

Data Bulan Ketiga

Hari Ke-	Bak		
	Bak 1	Bak 2	Bak 3
91	1	5	15
92	0	6	14
93	0	3	13
94	1	2	15
95	1	4	15
96	1	3	10

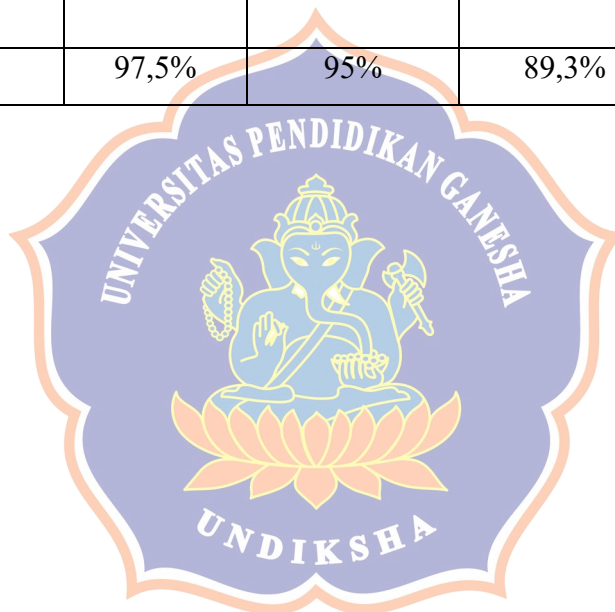


97	1	5	17
98	2	1	15
99	2	3	13
100	1	6	10
101	1	4	13
102	2	1	13
103	1	6	13
104	1	4	13
105	1	1	10
106	1	3	13
107	1	8	12
108	2	6	15
109	1	7	13
110	0	3	15
111	0	3	14
112	0	4	14
113	0	2	14
114	0	2	14
115	2	2	15
116	1	3	15
117	0	3	12
118	0	2	12
119	0	2	13
120	0	2	15
Jumlah	24	106	405
Total Ikan	5.878	9.606	12.908
Sisa Ikan	5.854	9.500	12.503
SR (%)	97,5%	95%	89,3%

Lampiran 11. Presentase Sintasan Ikan Kerapu Cantang

Presentase Sintasan Ikan Kerapu Cantang pada Bak Pemeliharaan

Bulan	Bak		
	Bak 1	Bak 2	Bak 3
Bulan Awal	48	146	363
Bulan Pertama	38	115	347
Bulan Kedua	36	133	382
Bulan Ketiga	24	106	405
Jumlah	146	500	1.497
Jumlah Awal Ikan	6.000	10.000	14.000
SR (%)	97,5%	95%	89,3%



Lampiran 12. Parameter Kualitas Air

Data Pengecekan Awal

Bak	DO	Suhu	pH	Salinitas	Nitrit	Nitrat	Amonia
Bak 1	7,2	32,4	7,6	34	0,2	4,67	0,42
Bak 2	8,71	32,4	7,54	34	0,098	5,82	0,25
Bak 3	7,34	32	7,55	34	0,12	5,64	0,06

Data Pengecekan Bulan Pertama

Bak	DO	Suhu	pH	Salinitas	Nitrit	Nitrat	Amonia
Bak 1	8,67	31,7	7,6	34	0,024	4,4	0,15
Bak 2	8,92	31,1	7,74	34	0,08	5,6	0,16
Bak 3	9,32	32	7,52	34	0,086	6,84	0,49

Data Pengecekan Bulan Kedua

Bak	DO	Suhu	pH	Salinitas	Nitrit	Nitrat	Amonia
Bak 1	9,31	32,2	7,49	34	0,2	7,9	0,29
Bak 2	8,83	31,7	7,6	34	0,048	5,4	0,07
Bak 3	7,61	31,5	7,54	34	0,094	5,22	0,1

Data Pengecekan Bulan Ketiga

Bak	DO	Suhu	pH	Salinitas	Nitrit	Nitrat	Amonia
Bak 1	7,79	31,4	7,4	34	0,03	7,6	0,07
Bak 2	6,22	30	7,81	34	0,35	4,8	0,32
Bak 3	8,12	30,4	7,78	34	0,295	6,1	0,19

Lampiran 13. Data Perhitungan Laju Pertumbuhan Ikan Kerapu Cantang

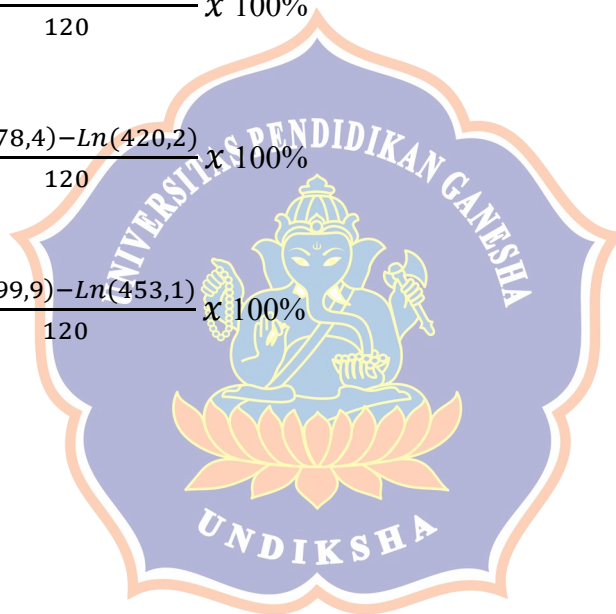
Bak	Hasil
Bak 1	0,48%
Bak 2	0,27%
Bak 3	0,23%

$$SGR = \frac{\ln(W_t) - \ln(W_o)}{t} \times 100\%$$

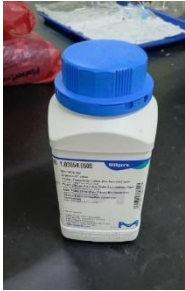
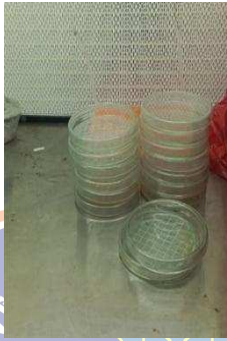
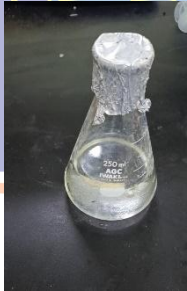
$$\text{Bak 1} = \frac{\ln(578,5) - \ln(330,5)}{120} \times 100\%$$

$$\text{Bak 2} = \frac{\ln(578,4) - \ln(420,2)}{120} \times 100\%$$

$$\text{Bak 3} = \frac{\ln(599,9) - \ln(453,1)}{120} \times 100\%$$



Lampiran 14. Dokumentasi Alat dan Bahan Penelitian

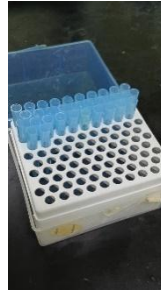
 TCBS	 Marine Agar	 Bunsen
 Aluminium Foil	 Cawan Patri	 Erlenmeyer
 Air Laut Steril	 Aquades Steril	 Tube Sampel Air



Tube Pengenceran



Micropipette



Tip Pipette



Cell Spreader



Hot Plate



Autoclave



Laminar Air Flow

Lampiran 15. Dokumentasi Persiapan Penelitian

