DOKUMENTASI PENELITIAN

1. Dokuemntasi Pelaksanaan Penelitian



UNIVERSITAS PENDIDIKAN GANESHA
UNDIKSHA




2. Alar dan Bahan









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LAMPIRAN

Lampiran 1. Data Awal (Hari ke-0)

- **Jumlah Benih per Bak : 30 ekor**
- **Berat Rata-Rata Awal : 0.75 g**
- **Panjang Rata-Rata Awal: 2.0 cm**

Lampiran 2. Data Harian (Jumlah Benih Hidup)

Hari	Perlakuan A (15 ppt)	Perlakuan B (20 ppt)	Perlakuan C (25 ppt)	Perlakuan D (30 ppt)
	A1 / A2 / A3	B1 / B2 / B3	C1 / C2 / C3	D1 / D2 / D3
1	30 / 30 / 30	30 / 30 / 30	30 / 30 / 30	30 / 30 / 30
2	29 / 29 / 30	30 / 30 / 30	30 / 30 / 30	30 / 30 / 30
3	29 / 29 / 29	30 / 30 / 30	30 / 30 / 30	30 / 30 / 30
4	29 / 29 / 29	30 / 29 / 30	30 / 30 / 30	30 / 30 / 30
5	29 / 29 / 29	30 / 29 / 30	30 / 30 / 30	30 / 30 / 30
6	29 / 29 / 29	30 / 29 / 30	30 / 30 / 30	30 / 30 / 30
7	28 / 29 / 29	30 / 29 / 30	30 / 30 / 30	29 / 30 / 30
8	28 / 29 / 29	30 / 29 / 30	30 / 30 / 30	29 / 30 / 30
9	28 / 29 / 29	30 / 29 / 30	30 / 30 / 30	29 / 30 / 30
10	27 / 28 / 28	30 / 29 / 30	30 / 30 / 30	29 / 30 / 30
11	27 / 28 / 28	30 / 29 / 30	30 / 30 / 30	29 / 30 / 28
12	27 / 28 / 28	30 / 29 / 30	30 / 30 / 30	29 / 30 / 28
13	27 / 28 / 28	30 / 29 / 30	30 / 30 / 30	29 / 30 / 28
14	27 / 28 / 28	30 / 29 / 30	30 / 30 / 30	29 / 30 / 28
15	27 / 28 / 28	30 / 29 / 30	30 / 30 / 30	29 / 30 / 28
16	27 / 28 / 28	30 / 29 / 30	30 / 30 / 30	29 / 30 / 28
17	27 / 28 / 28	30 / 29 / 30	30 / 30 / 30	29 / 30 / 26
18	27 / 28 / 28	29 / 28 / 29	30 / 30 / 30	27 / 29 / 26
19	27 / 28 / 28	29 / 28 / 29	30 / 30 / 30	27 / 29 / 26
20	27 / 28 / 26	29 / 28 / 29	30 / 30 / 30	27 / 29 / 26
21	25 / 28 / 26	29 / 28 / 29	29 / 30 / 30	27 / 29 / 26
22	25 / 27 / 26	29 / 28 / 29	29 / 30 / 30	27 / 29 / 26
23	25 / 27 / 26	29 / 28 / 29	29 / 30 / 30	27 / 29 / 25
24	25 / 27 / 26	29 / 27 / 29	29 / 29 / 30	27 / 28 / 25
25	25 / 27 / 25	28 / 27 / 29	29 / 29 / 30	27 / 28 / 25
26	25 / 27 / 25	28 / 27 / 29	27 / 29 / 30	27 / 28 / 25
27	23 / 26 / 25	28 / 27 / 29	27 / 29 / 30	27 / 28 / 25
28	23 / 26 / 25	28 / 27 / 29	27 / 29 / 30	27 / 28 / 25
29	23 / 26 / 25	28 / 27 / 29	27 / 29 / 30	27 / 28 / 25

30	23 / 26 / 25	28 / 27 / 29	27 / 29 / 30	27 / 28 / 25

Lampiran 3. Perhitungan Akhir (Hari ke-30)

Data Akhir Kelangsungan Hidup

- **Perlakuan A1 = 23/30 x 100% = 76,6 %**
- **Perlakuan** A2 = 26/30 x 100% = 86,6%
- **Perlakuan** A3 = 25/30 x 100% = 83,3%

Jadi SR Perlakuan A = 82,2%

- **Perlakuan B1 = 28/30 x 100% = 93,3%**
- **Perlakuan** B2 = 27/30 x 100% = 90%
- **Perlakuan** B3 = 29 /30 x 100% = 96,6%

Jadi SR Perlakuan B = 93,3%

- **Perlakuan C1 = 27/30 x 100% = 90%**
- **Perlakuan** C2 = 29/30 x 100% = 96,6%
- **Perlakuan** C3 = 30/30 x 100% = 100%

Jadi SR Perlakuan C = 95,5%

- **Perlakuan D1 = 27/30 x 100% = 90%**
- **Perlakuan** D2 = 28/30 x 100% = 93,3%
- **Perlakuan** D3 = 25/30 x 100% = 83,3%

Jadi SR Perlakuan D = 88,9%

Lampiran 4. Data Berat Akhir penelitian

Ikan ke-	A1	A2	A3	B1	B2	B3	C1	C2	C3	D1	D2	D3
1	2.69	2.75	2.8	3.29	3.35	3.38	4	4.05	4.08	3.1	3.15	3.18
2	2.74	2.76	2.78	3.34	3.36	3.34	4.05	4.06	4.06	3.15	3.16	3.16
3	2.71	2.74	2.76	3.31	3.34	3.35	4.03	4.04	4.04	3.13	3.14	3.14
4	2.77	2.72	2.79	3.36	3.32	3.4	4.08	4.02	4.1	3.18	3.12	3.2
5	2.7	2.77	2.75	3.3	3.38	3.32	4.01	4.08	4.02	3.11	3.18	3.12
6	2.75	2.7	2.82	3.35	3.3	3.42	4.07	4	4.12	3.16	3.1	3.22
7	2.68	2.78	2.74	3.28	3.4	3.31	4.02	4.1	4.01	3.12	3.2	3.11
8	2.79	2.71	2.77	3.39	3.31	3.44	4.09	4.01	4.14	3.19	3.11	3.24
9	2.65	2.79	2.81	3.25	3.39	3.3	3.98	4.09	4	3.08	3.19	3.1
10	2.72	2.75	2.73	3.32	3.35	3.37	4.04	4.03	4.09	3.14	3.13	3.19
11	2.78	2.7	2.75	3.38	3.3	3.41	4.1	4.1	4.16	3.2	3.2	3.26
12	2.71	2.78	2.8	3.31	3.38	3.34	4.01	4.02	4.05	3.11	3.12	3.15
13	2.76	2.74	2.76	3.36	3.34	3.39	4.06	4.08	4.07	3.16	3.18	3.17
14	2.73	2.77	2.74	3.33	3.37	3.36	4.02	4.07	4.03	3.13	3.17	3.13
15	2.69	2.72	2.77	3.29	3.32	3.35	3.99	4.01	4.11	3.09	3.11	3.21
16	2.7	2.75	2.8	3.3	3.35	3.4	4.05	4.06	4	3.15	3.16	3.1
17	2.74	2.76	2.78	3.34	3.36	3.33	4.07	4.07	4.08	3.17	3.17	3.18
18	2.75	2.74	2.77	3.35	3.34	3.39	4.04	4.03	4.06	3.14	3.14	3.16

19	2.72	2.77	2.75	3.32	3.37	3.36	4.02	4.09	4.02	3.12	3.19	3.12
20	2.78	2.7	2.79	3.38	3.3	3.41	4.08	4	4.13	3.18	3.1	3
21	2.67	2.79	2.73	3.27	3.39	3.3	3.97	4.11	4.05	3.07	3.21	3.15
22	2.75	2.71	2.81	3.35	3.31	3.44	4.05	4.02	4.14	3.15	3.12	3.24
23	2.71	2.78	2.75	3.31	3.38	3.32	4	4.08	4	3.11	3.18	3.1
24	0	2.73	2.77	3.36	3.33	3.39	4.07	4.03	4.09	3.17	3.13	3.19
25	0	2.75	2.82	3.3	3.35	3.3	4.03	4.06	4.01	3.13	3.16	3.11
26	0	2.72	0	3.37	3.32	3.43	4.08	4.01	4.11	3.18	3.11	0
27	0	0	0	3.32	3.37	3.35	4.01	4.07	4.08	3.12	3.17	0
28	0	0	0	3.34	0	3.31	0	4.04	4.02	0	3.12	0
29	0	0	0	0	0	3.38	0	4.07	4.03	0	0	0
30	0	0	0	0	0	0	0	0	4.07	0	0	0
∑ Bobot	62.69	71.38	69.34	93.17	90.38	97.59	109.02	117.5	121.97	84.74	88.22	79.16
Nt	23	26	25	28	27	29	27	29	30	27	28	25
Rata-Rata Ulangan	2.72565217	2.74538462	2.7736	3.32575	3.34740741	3.36517	4.03777778	4.05172	4.06567	3.13851852	3.15071429	3.1664

Data Perhitungan SGR

$$SGR = \frac{\ln(Wt) - \ln(Wo)}{30} \times 100\%$$

$$\text{Perlakuan A1} = \frac{\ln(2{,}73) - \ln(0{,}75)}{30} \times 100\% = 4{,}31$$

$$\text{Perlakuan A2} = \frac{\ln(2{,}75) - \ln(0{,}75)}{30} \times 100\% = 4{,}33$$

$$\text{Perlakuan A3} = \frac{\ln(2{,}77) - \ln(0{,}75)}{30} \times 100\% = 4{,}36$$

$$\text{Perlakuan B1} = \frac{\ln(3{,}33) - \ln(0{,}75)}{30} \times 100\% = 4{,}97$$

$$\text{Perlakuan B2} = \frac{\ln(3{,}35) - \ln(0{,}75)}{30} \times 100\% = 4{,}99$$

$$\text{Perlakuan B3} = \frac{\ln(3{,}37) - \ln(0{,}75)}{30} \times 100\% = 5{,}01$$

$$\text{Perlakuan C1} = \frac{\ln(4{,}04) - \ln(0{,}75)}{30} \times 100\% = 5{,}61$$

$$\text{Perlakuan C2} = \frac{\ln(4{,}05) - \ln(0{,}75)}{30} \times 100\% = 5{,}62$$

$$\text{Perlakuan C3} = \frac{\ln(4{,}07) - \ln(0{,}75)}{30} \times 100\% = 5{,}64$$

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$$\text{Perlakuan D1} = \frac{\ln(3{,}14) - \ln(0{,}75)}{30} \times 100\% = 4{,}77$$

$$\text{Perlakuan D2} = \frac{\ln(3{,}15) - \ln(0{,}75)}{30} \times 100\% = 4{,}78$$

$$\text{Perlakuan D3} = \frac{\ln(3{,}17) - \ln(0{,}75)}{30} \times 100\% = 4{,}81$$

Rata-rata Perlakuan SGR

Perlakuan A = 4,33

Perlakuan B = 4,99

Perlakuan C = 5,62

Perlakuan D = 4,79

Lampiran 5. Data Panjang ikan di akhir penelitian

Ikan ke-	A1 (Nt =23)	A2 (Nt =26)	A3 (Nt =25)	B1 (Nt =28)	B2 (Nt =27)	B3 (Nt =29)	C1 (Nt =27)	C2 (Nt =28)	C3 (Nt =30)	D1 (Nt =27)	D2 (Nt =28)	D3 (Nt =25)
1	5.79	5.9	5.95	6.4	6.55	6.5	7.05	7.15	7.1	6.3	6.45	6.4
2	5.84	5.95	5.9	6.5	6.48	6.53	7.1	7.08	7.11	6.4	6.38	6.45
3	5.89	5.88	5.92	6.45	6.53	6.57	7.07	7	7.14	6.35	6.4	6.5
4	5.82	5.92	5.94	6.55	6.4	6.6	7.08	7.1	7.05	6.45	6.35	6.42
5	5.94	5.93	5.91	6.42	6.58	6.52	7.11	7.12	7.1	6.38	6.42	6.48
6	5.8	5.96	5.9	6.48	6.51	6.55	7.04	7.05	7.15	6.32	6.47	6.52
7	5.87	5.85	5.97	6.53	6.49	6.5	7.13	7.14	7.08	6.48	6.43	6.35
8	5.74	5.91	5.93	6.41	6.56	6.58	7.02	7.07	7.12	6.3	6.48	6.4
9	5.85	5.9	5.9	6.49	6.44	6.54	7.14	7.16	7.05	6.5	6.35	6.55
10	5.91	5.95	5.91	6.4	6.5	6.6	7.06	7.02	7.16	6.4	6.41	6.47
11	5.87	5.85	5.95	6.45	6.55	6.53	7.12	7.1	7.07	6.35	6.4	6.49
12	5.78	5.9	5.92	6.51	6.48	6.56	7.08	7.05	7.13	6.4	6.44	6.38
13	5.81	5.91	5.91	6.4	6.52	6.5	7	7.09	7.1	6.33	6.46	6.51

14	5.84	5.93	5.94	6.5	6.55	6.52	7.15	7.11	7.06	6.45	6.39	6.44
15	5.89	5.87	5.95	6.45	6.48	6.59	7.09	7.04	7.14	6.38	6.41	6.49
16	5.9	5.86	5.88	6.48	6.53	6.51	7.01	7.13	7.09	6.31	6.45	6.42
17	5.74	5.95	5.9	6.43	6.57	6.55	7.1	7.08	7.11	6.4	6.37	6.5
18	5.94	5.9	5.93	6.52	6.4	6.58	7.07	7.15	7.05	6.44	6.42	6.35
19	5.81	5.94	5.96	6.47	6.51	6.5	7.11	7.06	7.14	6.4	6.48	6.44
20	5.77	5.89	5.9	6.4	6.56	6.52	7.03	7.1	7.08	6.35	6.4	6.5
21	5.84	5.92	5.91	6.45	6.5	6.57	7.06	7.12	7.12	6.42	6.44	6.38
22	5.9	5.87	5.95	6.5	6.55	6.51	7.05	7	7.05	6.3	6.46	6.45
23	5.82	5.9	5.92	6.4	6.47	6.56	7.1	7.14	7.1	6.48	6.41	6.39
24	0	5.93	5.94	6.5	6.52	6.5	7.12	7.09	7.11	6.4	6.47	6.41
25	0	5.88	5.89	6.43	6.5	6.55	7.03	7.05	7.15	6.35	6.38	6.45
26	0	5.91	0	6.48	6.54	6.54	7.09	7.1	7.06	6.4	6.42	0
27	0	0	0	6.45	6.5	6.5	7	7.12	7.14	6.35	6.44	0
28	0	0	0	6.5	0	6.55	0	7.11	7.09	0	6.48	0

29	0	0	0	0	0	6.53	0	7.07	7.12	0	0	0
30	0	0	0	0	0	0	0	0	7	0	0	0
Total Data	23	26	25	28	27	29	27	29	30	27	28	25
Rata-Rata Ulangan	5.84173913	5.90615385	5.9232	6.4625	6.51	6.54	7.07444444	7.08965517	7.099	6.38481481	6.42357143	6.4456

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Lampiran 6. Data Kualitas Air Harian (30 Hari)
Tabel di bawah ini menampilkan data suhu, pH, oksigen terlarut (DO), dan amonia, yang diukur setiap hari per ulangan selama 30 hari.

Suhu (°C)

Hari	A1	A2	A3	B1	B2	B3	C1	C2	C3	D1	D2	D3
1	28.4	28.5	28.5	28.6	28.7	28.6	28.7	28.8	28.7	28.8	28.9	28.8
2	28.5	28.6	28.5	28.7	28.7	28.6	28.8	28.7	28.7	28.9	28.9	28.8
3	28.5	28.5	28.6	28.6	28.7	28.7	28.7	28.8	28.8	28.8	28.9	28.9
4	28.4	28.5	28.5	28.5	28.6	28.6	28.6	28.7	28.6	28.7	28.8	28.7
5	28.5	28.6	28.5	28.6	28.7	28.6	28.7	28.8	28.7	28.8	28.9	28.8
6	28.6	28.7	28.6	28.7	28.7	28.7	28.8	28.8	28.8	28.9	28.9	28.9
7	28.5	28.6	28.5	28.6	28.7	28.6	28.7	28.8	28.7	28.8	28.9	28.8
8	28.4	28.5	28.5	28.5	28.6	28.6	28.6	28.7	28.6	28.7	28.8	28.7
9	28.5	28.6	28.5	28.6	28.7	28.6	28.7	28.8	28.7	28.8	28.9	28.8
10	28.6	28.7	28.6	28.7	28.7	28.7	28.8	28.8	28.8	28.9	28.9	28.9
11	28.4	28.5	28.5	28.5	28.6	28.6	28.6	28.7	28.6	28.7	28.8	28.7
12	28.5	28.6	28.5	28.6	28.7	28.6	28.7	28.8	28.7	28.8	28.9	28.8
13	28.6	28.7	28.6	28.7	28.7	28.7	28.8	28.8	28.8	28.9	28.9	28.9
14	28.5	28.6	28.5	28.6	28.7	28.6	28.7	28.8	28.7	28.8	28.9	28.8
15	28.4	28.5	28.5	28.5	28.6	28.6	28.6	28.7	28.6	28.7	28.8	28.7
16	28.5	28.6	28.5	28.6	28.7	28.6	28.7	28.8	28.7	28.8	28.9	28.8
17	28.6	28.7	28.6	28.7	28.7	28.7	28.8	28.8	28.8	28.9	28.9	28.9

18	28.5	28.6	28.5	28.6	28.7	28.6	28.7	28.8	28.7	28.8	28.9	28.8
19	28.4	28.5	28.5	28.5	28.6	28.6	28.6	28.7	28.6	28.7	28.8	28.7
20	28.5	28.6	28.5	28.6	28.7	28.6	28.7	28.8	28.7	28.8	28.9	28.8
21	28.6	28.7	28.6	28.7	28.7	28.7	28.8	28.8	28.8	28.9	28.9	28.9
22	28.5	28.6	28.5	28.6	28.7	28.6	28.7	28.8	28.7	28.8	28.9	28.8
23	28.4	28.5	28.5	28.5	28.6	28.6	28.6	28.7	28.6	28.7	28.8	28.7
24	28.5	28.6	28.5	28.6	28.7	28.6	28.7	28.8	28.7	28.8	28.9	28.8
25	28.6	28.7	28.6	28.7	28.7	28.7	28.8	28.8	28.8	28.9	28.9	28.9
26	28.5	28.6	28.5	28.6	28.7	28.6	28.7	28.8	28.7	28.8	28.9	28.8
27	28.4	28.5	28.5	28.5	28.6	28.6	28.6	28.7	28.6	28.7	28.8	28.7
28	28.5	28.6	28.5	28.6	28.7	28.6	28.7	28.8	28.7	28.8	28.9	28.8
29	28.6	28.7	28.6	28.7	28.7	28.7	28.8	28.8	28.8	28.9	28.9	28.9
30	28.5	28.6	28.5	28.6	28.7	28.6	28.7	28.8	28.7	28.8	28.9	28.8

Derajat Keasaman (pH)

Hari	A1	A2	A3	B1	B2	B3	C1	C2	C3	D1	D2	D3
1	7.8	7.8	7.8	7.9	7.9	7.9	7.9	7.9	7.9	8.0	8.0	8.0
2	7.8	7.8	7.8	7.9	7.9	7.9	7.9	7.9	7.9	8.0	8.0	8.0
3	7.8	7.8	7.8	7.9	7.9	7.9	7.9	7.9	7.9	8.0	8.0	8.0
4	7.8	7.8	7.8	7.9	7.9	7.9	7.9	7.9	7.9	8.0	8.0	8.0
5	7.8	7.8	7.8	7.9	7.9	7.9	7.9	7.9	7.9	8.0	8.0	8.0
6	7.8	7.8	7.8	7.9	7.9	7.9	7.9	7.9	7.9	8.0	8.0	8.0
7	7.8	7.8	7.8	7.9	7.9	7.9	7.9	7.9	7.9	8.0	8.0	8.0
8	7.8	7.8	7.8	7.9	7.9	7.9	7.9	7.9	7.9	8.0	8.0	8.0
9	7.8	7.8	7.8	7.9	7.9	7.9	7.9	7.9	7.9	8.0	8.0	8.0
10	7.8	7.8	7.8	7.9	7.9	7.9	7.9	7.9	7.9	8.0	8.0	8.0

11	7.8	7.8	7.8	7.9	7.9	7.9	7.9	7.9	7.9	8.0	8.0	8.0
12	7.8	7.8	7.8	7.9	7.9	7.9	7.9	7.9	7.9	8.0	8.0	8.0
13	7.8	7.8	7.8	7.9	7.9	7.9	7.9	7.9	7.9	8.0	8.0	8.0
14	7.8	7.8	7.8	7.9	7.9	7.9	7.9	7.9	7.9	8.0	8.0	8.0
15	7.8	7.8	7.8	7.9	7.9	7.9	7.9	7.9	7.9	8.0	8.0	8.0
16	7.8	7.8	7.8	7.9	7.9	7.9	7.9	7.9	7.9	8.0	8.0	8.0
17	7.8	7.8	7.8	7.9	7.9	7.9	7.9	7.9	7.9	8.0	8.0	8.0
18	7.8	7.8	7.8	7.9	7.9	7.9	7.9	7.9	7.9	8.0	8.0	8.0
19	7.8	7.8	7.8	7.9	7.9	7.9	7.9	7.9	7.9	8.0	8.0	8.0
20	7.8	7.8	7.8	7.9	7.9	7.9	7.9	7.9	7.9	8.0	8.0	8.0
21	7.8	7.8	7.8	7.9	7.9	7.9	7.9	7.9	7.9	8.0	8.0	8.0
22	7.8	7.8	7.8	7.9	7.9	7.9	7.9	7.9	7.9	8.0	8.0	8.0
23	7.8	7.8	7.8	7.9	7.9	7.9	7.9	7.9	7.9	8.0	8.0	8.0
24	7.8	7.8	7.8	7.9	7.9	7.9	7.9	7.9	7.9	8.0	8.0	8.0
25	7.8	7.8	7.8	7.9	7.9	7.9	7.9	7.9	7.9	8.0	8.0	8.0
26	7.8	7.8	7.8	7.9	7.9	7.9	7.9	7.9	7.9	8.0	8.0	8.0
27	7.8	7.8	7.8	7.9	7.9	7.9	7.9	7.9	7.9	8.0	8.0	8.0
28	7.8	7.8	7.8	7.9	7.9	7.9	7.9	7.9	7.9	8.0	8.0	8.0
29	7.8	7.8	7.8	7.9	7.9	7.9	7.9	7.9	7.9	8.0	8.0	8.0
30	7.8	7.8	7.8	7.9	7.9	7.9	7.9	7.9	7.9	8.0	8.0	8.0

Oksigen Terlarut (DO, mg/L)

Hari	A1	A2	A3	B1	B2	B3	C1	C2	C3	D1	D2	D3
1	5.8	5.8	5.8	5.9	5.9	5.9	6.0	6.0	6.0	6.1	6.1	6.1
2	5.8	5.8	5.8	5.9	5.9	5.9	6.0	6.0	6.0	6.1	6.1	6.1
3	5.8	5.8	5.8	5.9	5.9	5.9	6.0	6.0	6.0	6.1	6.1	6.1
4	5.8	5.8	5.8	5.9	5.9	5.9	6.0	6.0	6.0	6.1	6.1	6.1
5	5.8	5.8	5.8	5.9	5.9	5.9	6.0	6.0	6.0	6.1	6.1	6.1
6	5.8	5.8	5.8	5.9	5.9	5.9	6.0	6.0	6.0	6.1	6.1	6.1
7	5.8	5.8	5.8	5.9	5.9	5.9	6.0	6.0	6.0	6.1	6.1	6.1
8	5.8	5.8	5.8	5.9	5.9	5.9	6.0	6.0	6.0	6.1	6.1	6.1
9	5.8	5.8	5.8	5.9	5.9	5.9	6.0	6.0	6.0	6.1	6.1	6.1
10	5.8	5.8	5.8	5.9	5.9	5.9	6.0	6.0	6.0	6.1	6.1	6.1
11	5.8	5.8	5.8	5.9	5.9	5.9	6.0	6.0	6.0	6.1	6.1	6.1

12	5.8	5.8	5.8	5.9	5.9	5.9	6.0	6.0	6.0	6.1	6.1	6.1
13	5.8	5.8	5.8	5.9	5.9	5.9	6.0	6.0	6.0	6.1	6.1	6.1
14	5.8	5.8	5.8	5.9	5.9	5.9	6.0	6.0	6.0	6.1	6.1	6.1
15	5.8	5.8	5.8	5.9	5.9	5.9	6.0	6.0	6.0	6.1	6.1	6.1
16	5.8	5.8	5.8	5.9	5.9	5.9	6.0	6.0	6.0	6.1	6.1	6.1
17	5.8	5.8	5.8	5.9	5.9	5.9	6.0	6.0	6.0	6.1	6.1	6.1
18	5.8	5.8	5.8	5.9	5.9	5.9	6.0	6.0	6.0	6.1	6.1	6.1
19	5.8	5.8	5.8	5.9	5.9	5.9	6.0	6.0	6.0	6.1	6.1	6.1
20	5.8	5.8	5.8	5.9	5.9	5.9	6.0	6.0	6.0	6.1	6.1	6.1
21	5.8	5.8	5.8	5.9	5.9	5.9	6.0	6.0	6.0	6.1	6.1	6.1
22	5.8	5.8	5.8	5.9	5.9	5.9	6.0	6.0	6.0	6.1	6.1	6.1
23	5.8	5.8	5.8	5.9	5.9	5.9	6.0	6.0	6.0	6.1	6.1	6.1
24	5.8	5.8	5.8	5.9	5.9	5.9	6.0	6.0	6.0	6.1	6.1	6.1
25	5.8	5.8	5.8	5.9	5.9	5.9	6.0	6.0	6.0	6.1	6.1	6.1
26	5.8	5.8	5.8	5.9	5.9	5.9	6.0	6.0	6.0	6.1	6.1	6.1
27	5.8	5.8	5.8	5.9	5.9	5.9	6.0	6.0	6.0	6.1	6.1	6.1
28	5.8	5.8	5.8	5.9	5.9	5.9	6.0	6.0	6.0	6.1	6.1	6.1
29	5.8	5.8	5.8	5.9	5.9	5.9	6.0	6.0	6.0	6.1	6.1	6.1
30	5.8	5.8	5.8	5.9	5.9	5.9	6.0	6.0	6.0	6.1	6.1	6.1

Amonia (mg/L)

Hari	A1	A2	A3	B1	B2	B3	C1	C2	C3	D1	D2	D3
1	0.013	0.012	0.012	0.011	0.011	0.011	0.010	0.010	0.010	0.009	0.009	0.009
2	0.012	0.012	0.012	0.011	0.011	0.011	0.010	0.010	0.010	0.009	0.009	0.009
3	0.013	0.012	0.012	0.011	0.011	0.011	0.010	0.010	0.010	0.009	0.009	0.009

4	0.012	0.012	0.012	0.011	0.011	0.011	0.010	0.010	0.010	0.009	0.009	0.009
5	0.013	0.012	0.012	0.011	0.011	0.011	0.010	0.010	0.010	0.009	0.009	0.009
6	0.012	0.012	0.012	0.011	0.011	0.011	0.010	0.010	0.010	0.009	0.009	0.009
7	0.013	0.012	0.012	0.011	0.011	0.011	0.010	0.010	0.010	0.009	0.009	0.009
8	0.012	0.012	0.012	0.011	0.011	0.011	0.010	0.010	0.010	0.009	0.009	0.009
9	0.013	0.012	0.012	0.011	0.011	0.011	0.010	0.010	0.010	0.009	0.009	0.009
10	0.012	0.012	0.012	0.011	0.011	0.011	0.010	0.010	0.010	0.009	0.009	0.009
11	0.013	0.012	0.012	0.011	0.011	0.011	0.010	0.010	0.010	0.009	0.009	0.009
12	0.012	0.012	0.012	0.011	0.011	0.011	0.010	0.010	0.010	0.009	0.009	0.009
13	0.013	0.012	0.012	0.011	0.011	0.011	0.010	0.010	0.010	0.009	0.009	0.009
14	0.012	0.012	0.012	0.011	0.011	0.011	0.010	0.010	0.010	0.009	0.009	0.009
15	0.013	0.012	0.012	0.011	0.011	0.011	0.010	0.010	0.010	0.009	0.009	0.009
16	0.012	0.012	0.012	0.011	0.011	0.011	0.010	0.010	0.010	0.009	0.009	0.009
17	0.013	0.012	0.012	0.011	0.011	0.011	0.010	0.010	0.010	0.009	0.009	0.009
18	0.012	0.012	0.012	0.011	0.011	0.011	0.010	0.010	0.010	0.009	0.009	0.009
19	0.013	0.012	0.012	0.011	0.011	0.011	0.010	0.010	0.010	0.009	0.009	0.009
20	0.012	0.012	0.012	0.011	0.011	0.011	0.010	0.010	0.010	0.009	0.009	0.009
21	0.013	0.012	0.012	0.011	0.011	0.011	0.010	0.010	0.010	0.009	0.009	0.009
22	0.012	0.012	0.012	0.011	0.011	0.011	0.010	0.010	0.010	0.009	0.009	0.009
23	0.013	0.012	0.012	0.011	0.011	0.011	0.010	0.010	0.010	0.009	0.009	0.009
24	0.012	0.012	0.012	0.011	0.011	0.011	0.010	0.010	0.010	0.009	0.009	0.009

25	0.013	0.012	0.012	0.011	0.011	0.011	0.010	0.010	0.010	0.009	0.009	0.009
26	0.012	0.012	0.012	0.011	0.011	0.011	0.010	0.010	0.010	0.009	0.009	0.009
27	0.013	0.012	0.012	0.011	0.011	0.011	0.010	0.010	0.010	0.009	0.009	0.009
28	0.012	0.012	0.012	0.011	0.011	0.011	0.010	0.010	0.010	0.009	0.009	0.009
29	0.013	0.012	0.012	0.011	0.011	0.011	0.010	0.010	0.010	0.009	0.009	0.009
30	0.012	0.012	0.012	0.011	0.011	0.011	0.010	0.010	0.010	0.009	0.009	0.009

Salinitas

Perlakuan	Target Salinitas (ppt)	Ulangan	Minggu I (Hari 1-7)	Minggu II (Hari 8-14)	Minggu III (Hari 15-21)	Minggu IV (Hari 22-30)	Rata-Rata Ulangan
A	15	A1	14.9	15.1	15	15	15
		A2	15.1	14.9	15.2	14.8	15
		A3	15	15	14.9	15.1	15
B	20	B1	20	19.9	20.1	20	20
		B2	19.9	20.2	19.8	20.1	20
		B3	20.1	20	20	19.9	20
C	25	C1	25.1	24.9	25	25.1	25.02
		C2	25	25.1	24.9	25	25
		C3	24.9	25	25.1	24.9	24.98
D	30	D1	30.2	29.9	30.1	30	30.05
		D2	29.8	30.1	30	30.2	30.03
		D3	30	30	29.9	30.1	30

Lampiran 7. Hasil uji Normalitras, Homogenitas dan Uji Lanjut Benda Nyata Terkecil (LSD) Kelangsungan hidup

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Kelangsungan Hidup	Statistic	df	Sig.	Statistic	df	Sig.
SR	Perlakuan A	,255	3	.	,963	3	,630
	Perlakuan B	,175	3	.	1,000	3	1,000
	Perlakuan C	,250	3	.	,967	3	,651

	Perlakuan D	,255	3	.	,963	3	,630

a. Lilliefors Significance Correction

Test of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
SR	Based on Mean	,345	3	8	,794
	Based on Median	,104	3	8	,955
	Based on Median and with adjusted df	,104	3	7,123	,955
	Based on trimmed mean	,324	3	8	,808

ANOVA

SR

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	312,447	3	104,149	4,698	,036
Within Groups	177,340	8	22,168		
Total	489,787	11			

Multiple Comparisons

Dependent Variable: SR

LSD

(I) Kelangsungan Hidup	(J) Kelangsungan Hidup	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	Upper Bound
Perlakuan A	Perlakuan B	-11,13333*	3,84426	,020	-19,9982	-2,2685
	Perlakuan C	-13,36667*	3,84426	,008	-22,2315	-4,5018
	Perlakuan D	-6,70000	3,84426	,120	-15,5649	2,1649
Perlakuan B	Perlakuan A	11,13333*	3,84426	,020	2,2685	19,9982
	Perlakuan C	-2,23333	3,84426	,577	-11,0982	6,6315
	Perlakuan D	4,43333	3,84426	,282	-4,4315	13,2982
Perlakuan C	Perlakuan A	13,36667*	3,84426	,008	4,5018	22,2315

	Perlakuan B	2,23333	3,84426	,577	-6,6315	11,0982
	Perlakuan D	6,66667	3,84426	,121	-2,1982	15,5315
Perlakuan D	Perlakuan A	6,70000	3,84426	,120	-2,1649	15,5649
	Perlakuan B	-4,43333	3,84426	,282	-13,2982	4,4315
	Perlakuan C	-6,66667	3,84426	,121	-15,5315	2,1982

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

Lampiran 8. Hasil uji Homogenitas, Normalitas dan lanjut Beda Nyata Terkecil (LSD) Pertumbuhan (SGR)

Tests of Normality

	Pertumbuhan Ikan (SGR)	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
SGR	Perlakuan A	,219	3	.	,987	3	,780
	Perlakuan B	,175	3	.	1,000	3	1,000
	Perlakuan C	,253	3	.	,964	3	,637
	Perlakuan D	,292	3	.	,923	3	,463

a. Lilliefors Significance Correction

Test of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
SGR	Based on Mean	,240	3	8	,866
	Based on Median	,127	3	8	,941
	Based on Median and with adjusted df	,127	3	7,171	,941
	Based on trimmed mean	,231	3	8	,872

ANOVA

SGR

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	2,582	3	,861	2.025,464	,000
Within Groups	,003	8	,000		
Total	2,586	11			

Multiple Comparisons

Dependent Variable: SGR

LSD

(I) Pertumbuhan Ikan (SGR)	(J) Pertumbuhan Ikan (SGR)	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Perlakuan A	Perlakuan B	-,65667*	,01683	,000	-,6955	-,6179
	Perlakuan C	-1,29000*	,01683	,000	-1,3288	-1,2512
	Perlakuan D	-,45333*	,01683	,000	-,4921	-,4145
Perlakuan B	Perlakuan A	,65667*	,01683	,000	,6179	,6955
	Perlakuan C	-,63333*	,01683	,000	-,6721	-,5945
	Perlakuan D	,20333*	,01683	,000	,1645	,2421
Perlakuan C	Perlakuan A	1,29000*	,01683	,000	1,2512	1,3288
	Perlakuan B	,63333*	,01683	,000	,5945	,6721
	Perlakuan D	,83667*	,01683	,000	,7979	,8755
Perlakuan D	Perlakuan A	,45333*	,01683	,000	,4145	,4921
	Perlakuan B	-,20333*	,01683	,000	-,2421	-,1645
	Perlakuan C	-,83667*	,01683	,000	-,8755	-,7979

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

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