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Lampiran 1. Data EPA dan DHA rotifera dan artemia yang diperkaya dengan serbuk daun kelor

Dosis (ppm)	Rotifera (mg/g)		Artemia (mg/g)	
	EPA	DHA	EPA	DHA
0 (1)	0,73	2,71	0,03	0,01
0 (2)	0,69	2,73	0,02	0,01
0 (3)	0,72	2,73	0,03	0,02
Rata-rata	0,71 ± 0,02	2,72 ± 0,01	0,03 ± 0,01	0,01 ± 0,01
50 (1)	0,8	4,77	0,05	0,03
50 (2)	0,8	4,73	0,05	0,03
50 (3)	0,82	4,75	0,06	0,04
Rata-rata	0,81 ± 0,01	4,75 ± 0,02	0,05 ± 0,01	0,03 ± 0,01
100 (1)	0,86	5,67	0,07	0,04
100 (2)	0,89	5,58	0,07	0,04
100 (3)	0,88	5,62	0,08	0,06
Rata-rata	0,88 ± 0,01	5,62 ± 0,04	0,07 ± 0,01	0,05 ± 0,01
150 (1)	0,89	6,3	0,09	0,06
150 (2)	0,96	6,48	0,09	0,06
150 (3)	0,95	6,45	0,11	0,08
Rata-rata	0,93 ± 0,04	6,41 ± 0,09	0,09 ± 0,01	0,07 ± 0,01

Lampiran 2. Hasil analisis ragam kandungan EPA rotifer yang diperkaya serbuk daun kelor

Sumber Keragaman	JK	DB	KT	F <sub>hitung</sub>	Sig.
Perlakuan	0,081	3	0,027	48,333**	0,000
Galat	0,004	8	0,001		
Total	0,085	11			

Keterangan: \*\*Berpengaruh sangat nyata ( $p < 0,01$ )

Lampiran 3. Hasil uji lanjut W-Tukey kandungan EPA rotifer yang diperkaya serbuk daun kelor

(I) Dosis	(J) Dosis	Selisih (I - J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
0 ppm	50 ppm	-0,09333*	0,01929	0,00	-0,1551	-0,0316
	100 ppm	-0,16333*	0,01929	0,000	-0,2251	-0,1016
	150 ppm	-0,22000*	0,01929	0,000	-0,2818	-0,1582
50 ppm	0 ppm	0,09333*	0,01929	0,006	0,0316	0,1551
	100 ppm	-0,07000*	0,01929	0,028	-0,1318	-0,0082
	150 ppm	-0,12667*	0,01929	0,001	-0,1884	-0,0649
100 ppm	0 ppm	0,16333*	0,01929	0,000	0,1016	0,2251
	50 ppm	0,07000*	0,01929	0,028	0,0082	0,1318
	150 ppm	-0,05667	0,01929	0,073	-0,1184	0,0051
150 ppm	0 ppm	0,22000*	0,01929	0,000	0,1582	0,2818
	50 ppm	0,12667*	0,01929	0,001	0,0649	0,1884
	100 ppm	0,05667	0,01929	0,073	-0,0051	0,1184

Keterangan: \*Berbeda nyata antar perlakuan pada taraf 5% ( $p < 0,05$ )

Lampiran 4. Hasil analisis ragam Kandungan DHA rotifer yang diperkaya serbuk daun kelor

Sumber Keragaman	JK	DB	KT	F <sub>hitung</sub>	Sig.
Perlakuan	22,685	3	7,562	2548,824**	0,000
Galat	0,024	8	0,003		
Total	22,708	11			

Keterangan: \*\*Berpengaruh sangat nyata ( $p < 0,01$ )

Lampiran 5. Hasil uji lanjut W-Tukey DHA rotifer yang diperkaya serbuk daun kelor

(I) Dosis	(J) Dosis	Selisih (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
0 ppm	50 ppm	-2,02667*	0,04447	0,000	-2,1691	-1,8843
	100 ppm	-2,90000*	0,04447	0,000	-3,0424	-2,7576
	150 ppm	-3,68667*	0,04447	0,000	-3,8291	-3,5443
50 ppm	0 ppm	2,02667*	0,04447	0,000	1,8843	2,1691
	100 ppm	-0,87333*	0,04447	0,000	-1,0157	-0,7309
	150 ppm	-1,66000*	0,04447	0,000	-1,8024	-1,5176
100 ppm	0 ppm	2,90000*	0,04447	0,000	2,7576	3,0424
	50 ppm	0,87333*	0,04447	0,000	0,7309	1,0157
	150 ppm	-0,78667*	0,04447	0,000	-0,9291	-0,6443
150 ppm	0 ppm	3,68667*	0,04447	0,000	3,5443	3,8291
	50 ppm	1,66000*	0,04447	0,000	1,5176	1,8024
	100 ppm	0,78667*	0,04447	0,000	0,6443	0,9291

Keterangan: \* Berbeda nyata antar perlakuan pada taraf 5% ( $p < 0,05$ )

Lampiran 6. Hasil analisis ragam EPA artemia yang diperkaya serbuk daun kelor

Sumber Keragaman	JK	DB	KT	F <sub>hitung</sub>	Sig.
Perlakuan	0,008	3	0,003	45,476**	0,000
Galat	0,000	8	0,000		
Total	0,008	11			

Keterangan: \*\*Berpengaruh sangat nyata ( $p < 0,01$ )

Lampiran 7. Hasil uji lanjut W-Tukey EPA artemia yang diperkaya serbuk daun kelor

(I) Dosis	(J) Dosis	Selisih (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
0 ppm	50 ppm	-0,02667*	0,00624	0,012	-0,0466	-0,0067
	100 ppm	-0,04667*	0,00624	0,000	-0,0666	-0,0267
	150 ppm	-0,07000*	0,00624	0,000	-0,0900	-0,0500
50 ppm	0 ppm	0,02667*	0,00624	0,012	0,0067	0,0466
	100 ppm	-0,02000*	0,00624	0,050	-0,0400	0,0000
	150 ppm	-0,04333*	0,00624	0,001	-0,0633	-0,0234
100 ppm	0 ppm	0,04667*	0,00624	0,000	0,0267	0,0666
	50 ppm	0,02000*	0,00624	0,050	0,0000	0,0400
	150 ppm	-0,02333*	0,00624	0,024	-0,0433	-0,0034
150 ppm	0 ppm	0,07000*	0,00624	0,000	0,0500	0,0900
	50 ppm	0,04333*	0,00624	0,001	0,0234	0,0633
	100 ppm	0,02333*	0,00624	0,024	0,0034	0,0433

Keterangan: \*Berbeda nyata antar perlakuan pada taraf 5% ( $p < 0,05$ )

Lampiran 8. Hasil analisis ragam DHA artemia yang diperkaya serbuk daun kelor

Sumber Keragaman	JK	DB	KT	F <sub>hitung</sub>	Sig.
Perlakuan	0,005	3	0,002	18,133**	0,001
Galat	0,001	8	0,000		
Total	0,005	11			

Keterangan: \*\*Berpengaruh sangat nyata ( $p < 0,01$ )

Lampiran 9. Hasil uji lanjut W-Tukey DHA artemia yang diperkaya serbuk daun kelor

(I) Dosis	(J) Dosis	Selisih (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
0 ppm	50 ppm	-0,02000	0,00745	0,104	-0,0439	0,0039
	100 ppm	-0,03333*	0,00745	0,009	-0,0572	-0,0095
	150 ppm	-0,05333*	0,00745	0,000	-0,0772	-0,0295
50 ppm	0 ppm	0,02000	0,00745	0,104	-0,0039	0,0439
	100 ppm	-0,01333	0,00745	0,344	-0,0372	0,0105
	150 ppm	-0,03333*	0,00745	0,009	-0,0572	-0,0095
100 ppm	0 ppm	0,03333*	0,00745	0,009	0,0095	0,0572
	50 ppm	0,01333	0,00745	0,344	-0,0105	0,0372
	150 ppm	-0,02000	0,00745	0,104	-0,0439	0,0039
150 ppm	0 ppm	0,05333*	0,00745	0,000	0,0295	0,0772
	50 ppm	0,03333*	0,00745	0,009	0,0095	0,0572
	100 ppm	0,02000	0,00745	0,104	-0,0039	0,0439

Keterangan: \*Berbeda nyata antar perlakuan pada taraf 5% ( $p < 0,05$ )

Lampiran 10. Data EPA dan DHA larva kepiting bakau *S. olivacea* yang telah diberikan pakan alami rotifera dan artemia yang diperkaya dengan serbuk daun kelor

Dosis (ppm)	Kandungan (g/100g)	
	EPA	DHA
0	2,38	1,17
0	2,36	1,16
0	2,37	1,17
Rata-rata	2,37±0,01	1,17±0,01
50	2,32	1,20
50	2,35	1,23
50	2,34	1,22
Rata-rata	2,34±0,02	1,22±0,02
100	3,25	1,39
100	3,25	1,32
100	3,25	1,36
Rata-rata	3,25±0,00	1,36±0,04
150	2,52	0,79
150	2,61	0,79
150	2,57	0,79
Rata-rata	2,57±0,05	0,79

Lampiran 11. Hasil analisis ragam EPA larva kepiting bakau *S. olivacea* yang diperkaya serbuk daun kelor

Sumber Keragaman	JK	DB	KT	F <sub>hitung</sub>	Sig.
Perlakuan	0,008	3	0,003	45,476**	0,000
Galat	0,000	8	0,000		
Total	0,008	11			

Keterangan: \*\*Berpengaruh sangat nyata ( $p < 0,01$ )

Lampiran 12. Hasil uji lanjut W-Tukey EPA larva kepiting bakau *S. olivacea* yang diperkaya serbuk daun kelor

(I) Dosis	(J) Dosis	Selisih (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
0 ppm	50 ppm	-0,03500	0,03428	0,748	-0,1745	0,1045
	100 ppm	-0,91500*	0,03428	0,000	-1,0545	-0,7755
	150 ppm	-0,23000*	0,03428	0,009	-0,3695	-0,0905
50 ppm	0 ppm	0,03500	0,03428	0,748	-0,1045	0,1745
	100 ppm	-0,88000*	0,03428	0,000	-1,0195	-0,7405
	150 ppm	-0,19500*	0,03428	0,016	-0,3345	-0,0555
100 ppm	0 ppm	0,91500*	0,03428	0,000	0,7755	1,0545
	50 ppm	0,88000*	0,03428	0,000	0,7405	1,0195
	150 ppm	0,68500*	0,03428	0,000	0,5455	0,8245
150 ppm	0 ppm	0,23000*	0,03428	0,009	0,0905	0,3695
	50 ppm	0,19500*	0,03428	0,016	0,0555	0,3345
	100 ppm	-0,68500*	0,03428	0,000	-0,8245	-0,5455

Keterangan: \*Berbeda nyata antar perlakuan pada taraf 5% ( $p < 0,05$ )

Lampiran 13. Hasil analisis ragam DHA larva kepiting bakau *S. olivacea* yang diperkaya serbuk daun kelor

Sumber Keragaman	JK	DB	KT	F <sub>hitung</sub>	Sig.
Perlakuan	0,008	3	0,003	45,476**	0,000
Galat	0,000	8	0,000		
Total	0,008	11			

Keterangan: \*\*Berpengaruh sangat nyata ( $p < 0,01$ )

Lampiran 14. Hasil uji lanjut W-Tukey DHA larva kepiting bakau *S. olivacea* yang diperkaya serbuk daun kelor

(I) Dosis	(J) Dosis	Selisih (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
0 ppm	50 ppm	-0,05000	0,02716	0,375	-0,1606	0,0606
	100 ppm	-0,19000*	0,02716	0,008	-0,3006	-0,0794
	150 ppm	0,37500*	0,02716	0,001	0,2644	0,4856
50 ppm	0 ppm	0,05000	0,02716	0,375	-0,0606	0,1606
	100 ppm	-0,14000*	0,02716	0,023	-0,2506	-0,0294
	150 ppm	0,42500*	0,02716	0,000	0,3144	0,5356
100 ppm	0 ppm	0,19000*	0,02716	0,008	0,0794	0,3006
	50 ppm	0,14000*	0,02716	0,023	0,0294	0,2506
	150 ppm	0,56500*	0,02716	0,000	0,4544	0,6756
150 ppm	0 ppm	-0,37500*	0,02716	0,001	-0,4856	-0,2644
	50 ppm	-0,42500*	0,02716	0,000	-0,5356	-0,3144
	100 ppm	-0,56500*	0,02716	0,000	-0,6756	-0,4544

Keterangan: \*Berbeda nyata antar perlakuan pada taraf 5% ( $p < 0,05$ )

Lampiran 15. Data sintasan larva kepiting bakau *S. olivacea* yang diperkaya serbuk daun kelor

Dosis (ppm)	Jumlah Larva		Sintasan (%)
	Awal Pemeliharaan (ekor)	Akhir Pemeliharaan (ekor)	
0	10000	2017	20,17
0	10000	2035	20,35
0	10000	1805	18,05
		Rata-rata	19,52±1,28
50	10000	3125	31,25
50	10000	3248	32,48
50	10000	3038	30,38
		Rata-rata	31,37±1,06
100	10000	4097	40,97
100	10000	4070	40,70
100	10000	3780	37,80
		Rata-rata	39,82±1,76
150	10000	3608	36,08
150	10000	3563	35,63
150	10000	3423	34,23
		Rata-rata	35,31±0,96

Lampiran 16. Hasil analisis ragam sintasan larva kepiting bakau yang diperkaya serbuk daun kelor

Sumber Keragaman	JK	DB	KT	F <sub>hitung</sub>	Sig.
Perlakuan	681,929	3	227,310	134,436**	0,000
Galat	13,527	8	1,691		
Total	695,455	11			

Keterangan: \*\*Berpengaruh sangat nyata ( $p < 0,01$ ).

Lampiran 17. Hasil uji lanjut W-Tukey sintasan larva kepiting bakau *S. olivacea* yang diperkaya serbuk daun kelor

(I) Dosis	(J) Dosis	Selisih (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
0 ppm	50 ppm	-11,85000*	1,06171	0,000	-15,2500	-8,4500
	100 ppm	-20,30000*	1,06171	0,000	-23,7000	-16,9000
	150 ppm	-15,79444*	1,06171	0,000	-19,1944	-12,3945
50 ppm	0 ppm	11,85000*	1,06171	0,000	8,4500	15,2500
	100 ppm	-8,45000*	1,06171	0,000	-11,8500	-5,0500
	150 ppm	-3,94444*	1,06171	0,025	-7,3444	-,5445
100 ppm	0 ppm	20,30000*	1,06171	0,000	16,9000	23,7000
	50 ppm	8,45000*	1,06171	0,000	5,0500	11,8500
	150 ppm	4,50556*	1,06171	0,012	1,1056	7,9055
150 ppm	0 ppm	15,79444*	1,06171	0,000	12,3945	19,1944
	50 ppm	3,94444*	1,06171	0,025	0,5445	7,3444
	100 ppm	-4,50556*	1,06171	0,012	-7,9055	-1,1056

Keterangan: \*Berbeda nyata antar perlakuan pada taraf 5% ( $p < 0,05$ )



Lampiran 18. Data CSI larva kepiting bakau *S. olivacea* yang diperkaya serbuk daun kelor

Dosis (ppm)	Cumulative Stress Index (CSI)
0	101
0	104
0	103
Rata-rata	102,67±1,53
50	92
50	94
50	96
Rata-Rata	94,00±2,00
100	79
100	81
100	83
	81,00±2,00
150	89
150	92
150	90
	90,33±1,53

Lampiran 19. Hasil analisis ragam CSI larva kepiting bakau *S. olivacea* yang diperkaya serbuk daun kelor

Sumber Keragaman	JK	DB	KT	F <sub>hitung</sub>	Sig.
Perlakuan	724,667	3	241,556	76,281	0,000
Galat	25,333	8	3,167		
Total	750,000	11			

Keterangan: \*\*Berpengaruh sangat nyata ( $p < 0,01$ )

Lampiran 20. Hasil uji lanjut W-Tukey CSI larva kepiting bakau *S. olivacea* yang diperkaya serbuk daun kelor

(I) Dosis	(J) Dosis	Selisih (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
0 ppm	50 ppm	8,667*	1,453	0,002	4,01	13,32
	100 ppm	21,667*	1,453	0,000	17,01	26,32
	150 ppm	12,333*	1,453	0,000	7,68	16,99
50 ppm	0 ppm	-8,667*	1,453	0,002	-13,32	-4,01
	100 ppm	13,000*	1,453	0,000	8,35	17,65
	150 ppm	3,667	1,453	0,130	-0,99	8,32
100 ppm	0 ppm	-21,667*	1,453	0,000	-26,32	-17,01
	50 ppm	-13,000*	1,453	0,000	-17,65	-8,35
	150 ppm	-9,333*	1,453	0,001	-13,99	-4,68
150 ppm	0 ppm	-12,333*	1,453	0,000	-16,99	-7,68
	50 ppm	-3,667	1,453	0,130	-8,32	0,99
	100 ppm	9,333*	1,453	0,001	4,68	13,99

Keterangan: \*Berbeda nyata antar perlakuan pada taraf 5% ( $p < 0,05$ )

Lampiran 21. Data Indeks Perkembangan Larva kepiting bakau *S. olivacea* yang diperkaya serbuk daun kelor

Dosis (ppm)	LSI/Stadia	Umur Larva (Hari)																				
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
0	LSI	1	1	1	1,4	2	2	2,1	3	3	3	3,5	4	4,1	4	4,5	4,7	5	5	6	6	6
	Stadia	<b>Z1</b>	Z1	Z1	Z1	<b>Z2</b>	Z2	Z2	Z2	<b>Z3</b>	Z3	Z3	<b>Z4</b>	Z4	Z4	Z4	<b>Z5</b>	Z5	Z5	Z5	<b>M</b>	<b>M</b>
0	LSI	1	1	1	1,5	2	2	1,9	2	3	3	3,2	3	3,6	4	4,4	4,5	5	5	5	6	6
	Stadia	<b>Z1</b>	Z1	Z1	Z1	<b>Z2</b>	Z2	Z2	Z2	<b>Z3</b>	Z3	Z3	<b>Z4</b>	Z4	Z4	Z4	<b>Z5</b>	Z5	Z5	Z5	<b>M</b>	<b>M</b>
0	LSI	1	1	2	1,5	2	2	1,9	2	2	3	2,7	3	3,5	4	4,5	4,5	5	5	5	6	6
	Stadia	<b>Z1</b>	Z1	Z1	Z1	<b>Z2</b>	Z2	Z2	Z2	<b>Z3</b>	Z3	Z3	<b>Z4</b>	Z4	Z4	Z4	<b>Z5</b>	Z5	Z5	Z5	<b>M</b>	<b>M</b>
50	LSI	1	1	1	1,5	2	2	2	2	3	3	3,2	4	3,6	4	4,2	4,6	5	5	6	6	6
	Stadia	<b>Z1</b>	Z1	Z1	Z2	<b>Z2</b>	Z2	Z2	Z2	<b>Z3</b>	Z3	Z3	Z3	<b>Z4</b>	Z4	Z4	<b>Z5</b>	Z5	Z5	<b>M</b>	<b>M</b>	<b>M</b>
50	LSI	1	1	2	1,6	2	2	2,4	3	3	3	3,5	4	3,9	4	2,5	4,7	5	6	6	6	6
	Stadia	<b>Z1</b>	Z1	Z1	<b>Z2</b>	Z2	Z2	Z2	<b>Z3</b>	Z3	Z3	Z3	<b>Z4</b>	Z4	Z4	Z4	<b>Z5</b>	Z5	Z5	<b>M</b>	<b>M</b>	<b>M</b>
50	LSI	1	1	1	1,5	2	2	2,2	2	3	3	3,1	4	3,9	4	4,6	4,8	5	6	6	6	6
	Stadia	<b>Z1</b>	Z1	Z1	Z1	<b>Z2</b>	Z2	Z2	Z2	<b>Z3</b>	Z3	Z3	<b>Z4</b>	Z4	Z4	<b>Z5</b>	Z5	Z5	<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>
100	LSI	1	1	2	1,7	2	2	2,6	3	3	4	3,9	4	4,5	5	5	5,3	6	6	6	6	6
	Stadia	<b>Z1</b>	Z1	Z1	<b>Z2</b>	Z2	Z2	<b>Z3</b>	Z3	Z3	<b>Z4</b>	Z4	Z4	Z5	<b>Z5</b>	Z5	Z5	<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>
100	LSI	1	1	2	1,7	2	2	2,6	3	3	4	3,7	4	4,5	5	5,2	5,6	6	6	6	6	6
	Stadia	<b>Z1</b>	Z1	Z1	<b>Z2</b>	Z2	Z2	<b>Z3</b>	Z3	Z3	Z3	<b>Z4</b>	Z4	Z5	<b>Z5</b>	Z5	<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>
100	LSI	1	1	2	1,6	2	2	2,6	3	3	4	3,9	4	4,5	5	5	5,3	6	6	6	6	6
	Stadia	<b>Z1</b>	Z1	Z1	<b>Z2</b>	Z2	Z2	<b>Z3</b>	Z3	Z3	<b>Z4</b>	Z4	Z4	Z5	<b>Z5</b>	Z5	Z5	<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>
150	LSI	1	1	1	1,5	2	2	2,1	2	3	3	3,3	4	3,8	4	4,6	4,9	5	6	6	6	6
	Stadia	<b>Z1</b>	Z1	Z1	Z1	<b>Z2</b>	Z2	Z2	Z2	<b>Z3</b>	Z3	Z3	<b>Z4</b>	Z4	Z4	<b>Z5</b>	Z5	Z5	Z5	<b>M</b>	<b>M</b>	<b>M</b>
150	LSI	1	1	2	1,6	2	2	2,4	3	3	3	3,1	3	3,6	4	4,2	4,7	5	5	6	6	6
	Stadia	<b>Z1</b>	Z1	Z1	<b>Z2</b>	Z2	Z2	Z2	<b>Z3</b>	Z3	Z3	Z3	Z3	<b>Z4</b>	Z4	Z4	Z4	<b>Z5</b>	Z5	Z5	Z5	<b>M</b>
150	LSI	1	1	1	1,5	2	2	2,1	2	3	3	3,2	4	3,9	4	4,4	4,7	5	5	6	6	6
	Stadia	<b>Z1</b>	Z1	Z1	Z1	<b>Z2</b>	Z2	Z2	Z2	<b>Z3</b>	Z3	Z3	<b>Z4</b>	Z4	Z4	Z4	<b>Z5</b>	Z5	Z5	Z5	<b>M</b>	<b>M</b>

Lampiran 22. Hasil analisis ragam metamorfosis larva kepiting *S. olivacea* bakau yang diperkaya serbuk daun kelor

Sumber Keragaman	JK	DB	KT	F <sub>hitung</sub>	Sig.
Perlakuan	28,000	3	9,333	18,667	0,001
Galat	4,000	8	0,500		
Total	32,000	11			

Keterangan: \*\*Berpengaruh sangat nyata ( $p < 0,01$ )

Lampiran 23. Hasil uji lanjut W-Tukey metamorfosis larva kepiting bakau *S. olivacea* yang diperkaya serbuk daun kelor

(I) Dosis	(J) Dosis	Selisih (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
0 ppm	50 ppm	2,000*	0,577	0,035	0,15	3,85
	100 ppm	4,000*	0,577	0,001	2,15	5,85
	150 ppm	0,667	0,577	0,669	-1,18	2,52
50 ppm	0 ppm	-2,0000*	0,577	0,035	-3,85	-0,15
	100 ppm	2,000*	0,577	0,035	0,15	3,85
	150 ppm	-1,333	0,577	0,175	-3,18	0,52
100 ppm	0 ppm	-4,000*	0,577	0,001	-5,85	-2,15
	50 ppm	-2,000*	0,577	0,035	-3,85	-0,15
	150 ppm	-3,333*	0,577	0,002	-5,18	-1,48
150 ppm	0 ppm	-0,667	0,577	0,669	-2,52	1,18
	50 ppm	1,333	0,577	0,175	-0,52	3,18
	100 ppm	3,333*	0,577	0,002	1,48	5,18

Keterangan: \*Berbeda nyata antar perlakuan pada taraf 5% ( $p < 0,05$ )

Lampiran 24. Data hasil proksimat larva kepiting bakau *S. olivacea* yang diperkaya serbuk daun kelor

Dosis (ppm)	Protein (%)	Lemak (%)	BETN (%)	Serat Kasar (%)	Abu (%)	Energi (Kcal)	Total (%)
0	45,12	4,69	2,32	4,87	43	306,27	100
0	44,47	4,47	2,85	4,47	43,74	302,735	100
0	45	4,45	2,59	3,81	44,15	304,449	100
	44,86	4,54	2,59	4,38	43,63	304,48	
50	46,24	5	5,32	4,51	38,93	327,756	100
50	46,82	5,05	5,08	3,46	39,59	330,49	100
50	46,02	4,88	5,57	4,08	39,45	326,421	100
	46,36	4,98	5,32	4,02	39,32	328,22	
100	49,15	7,2	6,09	4,36	33,2	367,889	100
100	48,43	7,49	6,48	4,07	33,53	368,182	100
100	49,1	7,23	6,18	4,22	33,27	368,26	100
	48,89	7,31	6,25	4,22	33,33	368,11	
150	47,41	5,25	4,04	4,01	39,29	331,41	100
150	47,18	5,29	4,72	4,13	38,68	333,286	100
150	46,44	5,46	4,57	4,22	39,31	330,125	100
	47,01	5,33	4,44	4,12	39,09	331,61	

Lampiran 25. Hasil analisis ragam kandungan protein larva kepiting bakau *S. olivacea* yang diperkaya serbuk daun kelor

Sumber Keragaman	JK	DB	KT	F <sub>hitung</sub>	Sig.
Perlakuan	25,107	3	8,369	47,218	0,000
Galat	1,418	8	0,177		
Total	26,525	11			

Keterangan: \*\*Berpengaruh sangat nyata ( $p < 0,01$ )

Lampiran 26. Hasil uji lanjut W-Tukey kandungan protein larva kepiting bakau *S. olivacea* yang diperkaya serbuk daun kelor

(I) Dosis	(J) Dosis	Selisih (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
0 ppm	50 ppm	-1,49667*	0,34375	0,010	-2,5975	-0,3959
	100 ppm	-4,03000*	0,34375	0,000	-5,1308	-2,9292
	150 ppm	-2,14667*	0,34375	0,001	-3,2475	-1,0459
50 ppm	0 ppm	1,49667*	0,34375	0,010	0,3959	2,5975
	100 ppm	-2,53333*	0,34375	0,000	-3,6341	-1,4325
	150 ppm	-,65000	0,34375	0,303	-1,7508	0,4508
100 ppm	0 ppm	4,03000*	0,34375	0,000	2,9292	5,1308
	50 ppm	2,53333*	0,34375	0,000	1,4325	3,6341
	150 ppm	1,88333*	0,34375	0,003	0,7825	2,9841
150 ppm	0 ppm	2,14667*	0,34375	0,001	1,0459	3,2475
	50 ppm	,65000	0,34375	0,303	-0,4508	1,7508
	100 ppm	-1,88333*	0,34375	0,003	-2,9841	-0,7825

Keterangan: \*Berbeda nyata antar perlakuan pada taraf 5% ( $p < 0,05$ )

Lampiran 27. Hasil analisis ragam kandungan lemak larva kepiting bakau *S. olivacea* yang diperkaya serbuk daun kelor

Sumber Keragaman	JK	DB	KT	F <sub>hitung</sub>	Sig.
Perlakuan	13,464	3	4,488	283,890	0,000
Galat	0,126	8	0,016		
Total	13,590	11			

Keterangan: \*\*Berpengaruh sangat nyata ( $p < 0,01$ )

Lampiran 28. Hasil uji lanjut W-Tukey kandungan lemak larva kepiting bakau *S. olivacea* yang diperkaya serbuk daun kelor

(I) Dosis	(J) Dosis	Selisih (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
0 ppm	50 ppm	-0,44000*	0,10266	0,011	-0,7688	-0,1112
	100 ppm	-2,77000*	0,10266	0,000	-3,0988	-2,4412
	150 ppm	-0,79667*	0,10266	0,000	-1,1254	-0,4679
50 ppm	0 ppm	0,44000*	0,10266	0,011	0,1112	0,7688
	100 ppm	-2,33000*	0,10266	0,000	-2,6588	-2,0012
	150 ppm	-0,35667*	0,10266	0,034	-0,6854	-0,0279
100 ppm	0 ppm	2,77000*	0,10266	0,000	2,4412	3,0988
	50 ppm	2,33000*	0,10266	0,000	2,0012	2,6588
	150 ppm	1,97333*	0,10266	0,000	1,6446	2,3021
150 ppm	0 ppm	0,79667*	0,10266	0,000	0,4679	1,1254
	50 ppm	0,35667*	0,10266	0,034	0,0279	0,6854
	100 ppm	-1,97333*	0,10266	0,000	-2,3021	-1,6446

Keterangan: \*Berbeda nyata antar perlakuan pada taraf 5% ( $p < 0,05$ )

Lampiran 29. Hasil analisis ragam kandungan Karbohidrat larva kepiting bakau *S. olivacea* yang diperkaya serbuk daun kelor

Sumber Keragaman	JK	DB	KT	F <sub>hitung</sub>	Sig.
Perlakuan	21,940	3	7,313	97,643	0,000
Galat	0,599	8	0,075		
Total	22,539	11			

Keterangan: \*\*Berpengaruh sangat nyata ( $p < 0,01$ )

Lampiran 30. Hasil uji lanjut W-Tukey kandungan Karbohidrat larva kepiting *S. olivacea* bakau yang diperkaya serbuk daun kelor

(I) Dosis	(J) Dosis	Selisih (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
0 ppm	50 ppm	-2,73667*	0,22346	0,000	-3,4523	-2,0211
	100 ppm	-3,66333*	0,22346	0,000	-4,3789	-2,9477
	150 ppm	-1,85667*	0,22346	0,000	-2,5723	-1,1411
50 ppm	0 ppm	2,73667*	0,22346	0,000	2,0211	3,4523
	100 ppm	-0,92667*	0,22346	0,014	-1,6423	-0,2111
	150 ppm	0,88000*	0,22346	0,018	0,1644	1,5956
100 ppm	0 ppm	3,66333*	0,22346	0,000	2,9477	4,3789
	50 ppm	0,92667*	0,22346	0,014	0,2111	1,6423
	150 ppm	1,80667*	0,22346	0,000	1,0911	2,5223
150 ppm	0 ppm	1,85667*	0,22346	0,000	1,1411	2,5723
	50 ppm	-0,88000*	0,22346	0,018	-1,5956	-0,1644
	100 ppm	-1,80667*	0,22346	0,000	-2,5223	-1,0911

Keterangan: \*Berbeda nyata antar perlakuan pada taraf 5% ( $p < 0,05$ )

Lampiran 31. Hasil analisis ragam kandungan serat kasar larva kepiting bakau *S. olivacea* yang diperkaya serbuk daun kelor.

Sumber Keragaman	JK	DB	KT	F <sub>hitung</sub>	Sig.
Perlakuan	0,219	3	0,073	0,488	0,700
Galat	1,195	8	0,149		
Total	1,413	11			

Keterangan: Tidak berpengaruh nyata ( $p > 0,01$ )



Lampiran 32. Hasil uji lanjut W-Tukey kandungan serat kasar larva kepiting bakau *S. olivacea* yang diperkaya serbuk daun kelor

(I) Dosis	(J) Dosis	Selisih (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
0 ppm	50 ppm	0,36667	0,31552	0,665	-0,6437	1,3771
	100 ppm	0,16667	0,31552	0,950	-0,8437	1,1771
	150 ppm	0,26333	0,31552	0,837	-0,7471	1,2737
50 ppm	0 ppm	-0,36667	0,31552	0,665	-1,3771	0,6437
	100 ppm	-0,20000	0,31552	0,918	-1,2104	0,8104
	150 ppm	-0,10333	0,31552	0,987	-1,1137	0,9071
100 ppm	0 ppm	-0,16667	0,31552	0,950	-1,1771	0,8437
	50 ppm	0,20000	0,31552	0,918	-0,8104	1,2104
	150 ppm	0,09667	0,31552	0,989	-0,9137	1,1071
150 ppm	0 ppm	-0,26333	0,31552	0,837	-1,2737	0,7471
	50 ppm	0,10333	0,31552	0,987	-0,9071	1,1137
	100 ppm	-0,09667	0,31552	0,989	-1,1071	0,9137

Keterangan: \*Berbeda nyata antar perlakuan pada taraf 5% ( $p < 0,05$ )

Lampiran 33. Hasil analisis ragam kandungan abu larva kepiting bakau *S. olivacea* yang diperkaya serbuk daun kelor

Sumber Keragaman	JK	DB	KT	F <sub>hitung</sub>	Sig.
Perlakuan	160,696	3	53,565	346,084	0,000
Galat	1,238	8	0,155		
Total	161,934	11			

Keterangan: \*\*Berpengaruh sangat nyata ( $p < 0,01$ )

Lampiran 34. Hasil uji lanjut W-Tukey kandungan abu larva kepiting bakau *S. olivacea* yang diperkaya serbuk daun kelor

(I) Dosis	(J) Dosis	Selisih (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
0 ppm	50 ppm	4,30667*	0,32122	0,000	3,2780	5,3353
	100 ppm	10,29667*	0,32122	0,000	9,2680	11,3253
	150 ppm	4,53667*	0,32122	0,000	3,5080	5,5653
50 ppm	0 ppm	-4,30667*	0,32122	0,000	-5,3353	-3,2780
	100 ppm	5,99000*	0,32122	0,000	4,9613	7,0187
	150 ppm	0,23000	0,32122	0,888	-0,7987	1,2587
100 ppm	0 ppm	-10,29667*	0,32122	0,000	-11,3253	-9,2680
	50 ppm	-5,99000*	0,32122	0,000	-7,0187	-4,9613
	150 ppm	-5,76000*	0,32122	0,000	-6,7887	-4,7313
150 ppm	0 ppm	-4,53667*	0,32122	0,000	-5,5653	-3,5080
	50 ppm	-0,23000	0,32122	0,888	-1,2587	0,7987
	100 ppm	5,76000*	0,32122	0,000	4,7313	6,7887

Keterangan: \*Berbeda nyata antar perlakuan pada taraf 5% ( $p < 0,05$ )

Lampiran 35. Hasil analisis ragam total energi larva kepiting bakau *S. olivacea* yang diperkaya serbuk daun kelor

Sumber Keragaman	JK	DB	KT	F <sub>hitung</sub>	Sig.
Perlakuan	6211,744	3	2070,581	828,842	0,000
Galat	19,985	8	2,498		
Total	6231,729	11			

Keterangan:\*\*Berpengaruh sangat nyata ( $p < 0,01$ )

Lampiran 36. Hasil uji lanjut W-Tukey total energi larva kepiting bakau *S. olivacea* yang diperkaya serbuk daun kelor

(I) Dosis	(J) Dosis	Selisih (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
0 ppm	50 ppm	-23,73767*	1,29052	0,000	-27,8704	-19,6050
	100 ppm	-63,62567*	1,29052	0,000	-67,7584	-59,4930
	150 ppm	-27,12233*	1,29052	0,000	-31,2550	-22,9896
50 ppm	0 ppm	23,73767*	1,29052	0,000	19,6050	27,8704
	100 ppm	-39,88800*	1,29052	0,000	-44,0207	-35,7553
	150 ppm	-3,38467	1,29052	0,113	-7,5174	0,7480
100 ppm	0 ppm	63,62567*	1,29052	0,000	59,4930	67,7584
	50 ppm	39,88800*	1,29052	0,000	35,7553	44,0207
	150 ppm	36,50333*	1,29052	0,000	32,3706	40,6360
150 ppm	0 ppm	27,12233*	1,29052	0,000	22,9896	31,2550
	50 ppm	3,38467	1,29052	0,113	-0,7480	7,5174
	100 ppm	-36,50333*	1,29052	0,000	-40,6360	-32,3706

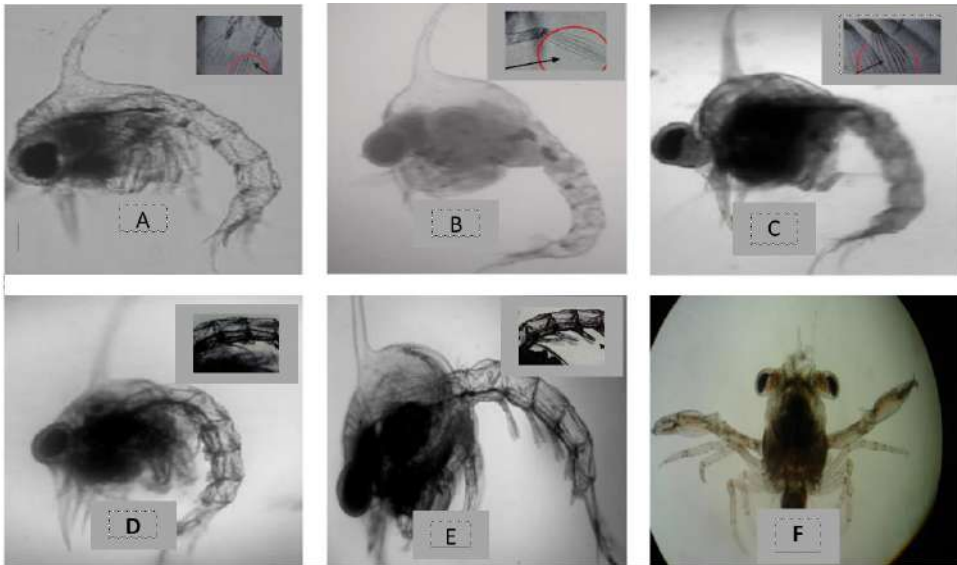
Keterangan: \*Berbeda nyata antar perlakuan pada taraf 5% ( $p < 0,05$ )

Lampiran 37. Kandungan proksimat serbuk daun kelor *Moringa oleifera* PT. Moringa Organik Indonesia

Kandungan Proksimat				
Potein (%)	Lemak (%)	Karbohidrat (%)	Abu (%)	Energi (Kcal)
30,11	7,25	48,78	9,17	363,98

Sumber : Kemasan Produk Serbuk Daun Kelor Royal Moringa PT. Moringa Organik Indonesia

Lampiran 38. Ciri-ciri Larva kepiting Bakau *S. olivacea*.



Ciri-ciri larva kepiting bakau (*S. olivacea*) zoea-1(A), zoea-2 (B), zoea-3 (C), zoea-4 (D), zoea-5 (E) dan megalopa (F)