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Lampiran 1. Sintasan larva ikan kakap putih yang diberi berbagai dosis vitamin B kompleks dan fosfor

Vitamin B Kompleks (mg) dan Fosfor (mg)	Ulangan	N ₀ (ekor)	N _t (ekor)	Sintasan (%)
0 dan 0	1	750	52	6,93
	2	750	41	5,46
	3	750	21	2,8
	Rerata	750	38	5,06 ± 2,095
75 dan 0	1	750	196	26,13
	2	750	188	25,06
	3	750	170	22,66
	Rerata	750	184,6	24,62 ± 1,776
150 dan 0	1	750	222	29,6
	2	750	203	27,06
	3	750	226	30,13
	Rerata	750	217	28,93 ± 1,638
225 dan 0	1	750	106	14,13
	2	750	115	15,33
	3	750	118	15,73
	Rerata	750	113	15,06 ± 0,833
0 dan 0,5	1	750	148	19,73
	2	750	131	17,46
	3	750	124	16,53
	Rerata	750	134,3	17,91 ± 1,646
5 dan 0,5	1	750	204	27,2
	2	750	225	30
	3	750	246	32,8
	Rerata	750	225	30 ± 2,800
150 dan 0,5	1	750	249	33,2
	2	750	241	32,13
	3	750	238	31,73
	Rerata	750	242,6	32,35 ± 0,758
225 dan 0,5	1	750	153	20,4
	2	750	128	17,06
	3	750	168	22,4
	Rerata	750	149,6	19,95 ± 2,694
0 dan 1	1	750	91	12,13
	2	750	68	9,06
	3	750	87	11,6
	Rerata	750	82	10,93 ± 1,638
75 dan 1	1	750	294	39,2
	2	750	288	38,4
	3	750	279	37,2
	Rerata	750	287	38,26 ± 1,007
150 dan 1	1	750	475	63,3
	2	750	436	58,13
	3	750	435	58
	Rerata	750	448,6	59,82 ± 3,041
225 dan 1	1	750	166	22,13
	2	750	158	21,06
	3	750	157	20,93
	Rerata	750	160,3	21,37 ± 0,658
0 dan 1,5	1	750	267	35,6
	2	750	261	34,8
	3	750	250	33,33
	Rerata	750	259,3	34,57 ± 1,150
75 dan 1,5	1	750	236	31,46
	2	750	230	30,66
	3	750	227	30,26
	Rerata	750	231	30,8 ± 0,611
150 dan 1,5	1	750	410	54,66
	2	750	306	40,8
	3	750	298	39,73
	Rerata	750	338	45,06 ± 8,331

225 dan 1,5	1	750	105	14
	2	750	87	11,6
	3	750	120	16
	Rerata	750	104	13,86 ± 2,203

Lampiran 2. Analisis ragam sintasan larva ikan kakap putih yang diberi berbagai dosis vitamin B kompleks dan fosfor

Sumber Keragaman	JK	Df	KT	F	Sig,
Perlakuan	8600,409 ^a	15	573,361	77,326	0,000
Intercept	34446,939	1	34446,939	4645,691	0,000
Vitamin B	1502,030	3	500,677	67,524**	0,000
Fosfor	4959,656	3	1653,219	222,962**	0,000
Vitamin B * Fosfor	2138,723	9	237,636	32,049**	0,000
Galat	237,274	32	7,415		
Total	43284,622	48			
Corrected Total	8837,683	47			

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

Lampiran 3. Uji lanjut sintasan larva ikan kakap putih yang diberi berbagai dosis vitamin B kompleks dan fosfor

Fosfor/Vitamin	N	Subset for alpha = 0.05									
		1	2	3	4	5	6	7	8	9	10
Fosfor 0 dan Vitamin 0	3	5,066									
Fosfor 1,0 dan Vitamin 0	3	10,93	10,933								
Fosfor 1,5 dan Vitamin 225	3		13,866	13,866							
Fosfor 0 dan Vitamin 225	3		15,066	15,066							
Fosfor 0,5 dan Vitamin 0	3		17,91	17,911	17,911						
Fosfor 0,5 dan Vitamin 225	3			19,955	19,955						
Fosfor 1,0 dan Vitamin 225	3			21,377	21,377	21,377					
Fosfor 0 dan Vitamin 75	3				24,622	24,622	24,622				
Fosfor 0 dan Vitamin 150	3					28,933	28,933	28,933			
Fosfor 0,5 dan Vitamin 75	3						30,000	30,000			
Fosfor 1,5 dan Vitamin 75	3						30,800	30,800	30,800 ^c		
Fosfor 0,5 dan Vitamin 150	3						32,355	32,355	32,355 ^c		
Fosfor 1,5 dan Vitamin 0	3							34,577	34,577 ^c		
Fosfor 1,0 dan Vitamin 75	3								38,266 ^c	38,266 ^b	
Fosfor 1,5 dan Vitamin 150	3									45,066 ^b	
Fosfor 1,0 dan Vitamin 150	3										59,822 ^a
Sig.		0,409	0,172	0,105	0,217	0,101	0,085	0,470	0,110	0,201	1,00

Keterangan: huruf yang sama pada kolom yang sama menunjukkan tidak berbeda nyata antar perlakuan pada taraf 5% ($p > 0,05$)

Lampiran 4, Tingkat ketahanan stress larva ikan kakap putih yang diberi berbagai dosis vitamin B kompleks dan fosfor

Vitamin B kompleks (mg) dan Fosfor (mg)	Ulangan	Menit Ke												C S I
		5	10	15	20	25	30	35	40	45	50	55	60	
0 dan 0	1	2	5	6	8	10	10	10	10	10	10	10	10	101
	2	1	4	7	9	10	10	10	10	10	10	10	10	101
	3	3	5	6	8	10	10	10	10	10	10	10	10	102
	Rerata													101,333 ± 0,577
75 dan 0	1	1	3	5	7	8	9	10	10	10	10	10	10	93
	2	2	3	4	7	9	10	10	10	10	10	10	10	95
	3	1	3	4	6	8	10	10	10	10	10	10	10	92
	Rerata													93,333 ± 1,528
150 dan 0	1	2	4	5	6	7	8	9	10	10	10	10	10	91
	2	2	3	4	5	6	7	8	9	10	10	10	10	84
	3	1	3	4	5	7	8	9	10	10	10	10	10	87
	Rerata													87,333 ± 3,512
225 dan 0	1	1	3	4	5	6	8	9	10	10	10	10	10	86
	2	1	2	4	6	7	9	10	10	10	10	10	10	89
	3	3	5	6	7	8	9	10	10	10	10	10	10	98
	Rerata													91 ± 6,245
0 dan 0,5	1	1	2	3	8	10	10	10	10	10	10	10	10	94
	2	2	3	4	9	10	10	10	10	10	10	10	10	98
	3	1	2	3	9	10	10	10	10	10	10	10	10	95
	Rerata													95,667 ± 2,082
75 dan 0,5	1	1	2	3	5	7	8	10	10	10	10	10	10	86
	2	1	2	3	4	6	7	10	10	10	10	10	10	83
	3	1	2	3	4	5	6	10	10	10	10	10	10	81
	Rerata													83,333 ± 2,517
150 dan 0,5	1	1	2	3	4	5	7	8	9	10	10	10	10	79
	2	1	2	3	5	6	7	8	9	10	10	10	10	81
	3	1	2	3	4	5	6	7	8	9	10	10	10	75
	Rerata													78,333 ± 3,055
225 dan 0,5	1	1	3	5	6	7	9	10	10	10	10	10	10	91
	2	2	3	4	5	6	8	9	10	10	10	10	10	87
	3	1	2	4	6	7	9	10	10	10	10	10	10	89
	Rerata													89 ± 2,00
0 dan 1,0	1	1	4	5	6	8	9	10	10	10	10	10	10	93
	2	2	3	7	8	9	10	10	10	10	10	10	10	99
	3	2	4	5	7	9	10	10	10	10	10	10	10	97
	Rerata													96,333 ± 3,055
75 dan 1	1	1	2	3	4	5	6	7	8	10	10	10	10	76
	2	1	3	4	5	7	8	9	10	10	10	10	10	87
	3	1	2	3	5	6	7	8	9	10	10	10	10	81
	Rerata													81,333 ± 5,508
150 dan 1	1	1	2	3	4	5	6	7	8	9	10	10	10	75
	2	1	2	3	4	5	7	8	9	10	10	10	10	79
	3	1	2	4	5	6	7	8	9	10	10	10	10	82
	Rerata													78,667 ± 3,512
225 dan 1	1	1	4	5	7	8	9	10	10	10	10	10	10	94
	2	2	3	6	8	9	10	10	10	10	10	10	10	98
	3	2	4	5	9	9	10	10	10	10	10	10	10	99
	Rerata													97 ± 2,646
0 dan 1,5	1	1	3	5	8	9	10	10	10	10	10	10	10	96
	2	2	3	7	9	10	10	10	10	10	10	10	10	101
	3	2	5	6	8	9	10	10	10	10	10	10	10	100
	Rerata													99 ± 2,646
75 dan 1,5	1	1	3	5	6	7	8	9	10	10	10	10	10	89
	2	2	3	4	5	6	7	8	9	10	10	10	10	84
	3	2	4	5	6	7	8	9	10	10	10	10	10	91
	Rerata													88 ± 3,606
150 dan 1,5	1	1	2	3	4	5	6	7	8	9	10	10	10	75
	2	1	2	3	4	5	6	7	8	9	10	10	10	75
	3	2	3	4	5	6	7	8	9	10	10	10	10	84
	Rerata													78 ± 5,196
225 dan 1,5	1	1	2	4	5	6	7	8	9	10	10	10	10	82
	2	2	3	4	5	7	8	9	10	10	10	10	10	88
	3	1	3	5	6	7	8	9	10	10	10	10	10	89
	Rerata													86,333 ± 3,786

Lampiran 5, Analisis ragam tingkat ketahanan stress larva ikan kakap putih yang diberi berbagai dosis vitamin B kompleks dan fosfor

Sumber Keragaman	JK	Df	KT	F	Sig,
Perlakuan	2641,333 ^a	15	176,089	14,205	0,000
Intercept	380208,000	1	380208,000	30672,242	0,000
Fosfor	308,500	3	102,833	8,296**	0,000
Vitamin	1955,500	3	651,833	52,585**	0,000
Vitamin B * Fosfor	377,333	9	41,926	3,382**	0,005
Galat	396,667	32	12,396		
Total	383246,000	48			
Corrected Total	3038,000	47			

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

Lampiran 6, Uji lanjut Tingkat ketahanan stress larva ikan kakap putih yang diberi berbagai dosis vitamin B kompleks dan fosfor

VitminBFosfor	N	Subset for alpha = 0,05							
		1	2	3	4	5	6	7	8
Vit 225 dan F 1,0	3	78,0000							
Vit 75 dan F 1,0	3	78,3333							
Vit 150 dan F 1,0	3	78,6667	78,6667						
Vit 150 F 0,5	3	81,3333	81,3333	81,3333					
Vit 75 dan F 0,5	3	83,3333	83,3333	83,3333	83,3333				
Vit 225 dan F 1,5	3	86,3333	86,3333	86,3333	86,3333	86,3333			
Vit 0 dan F 1,0	3	87,3333	87,3333	87,3333	87,3333	87,3333	87,3333		
Vit 225 dan F 0,5	3	88,0000	88,0000	88,0000	88,0000	88,0000	88,0000		
Vit 75 dan F 1,5	3		89,0000	89,0000	89,0000	89,0000	89,0000	89,0000	
Vit 0 dan F 1,5	3			91,0000	91,0000	91,0000	91,0000	91,0000	91,0000
Vit 0 dan 0,5	3				93,3333	93,3333	93,3333	93,3333	93,3333
Vit 75 dan F 0	3					95,6667	95,6667	95,6667	95,6667
Vit 150 dan F 0	3					96,3333	96,3333	96,3333	96,3333
Vit 150 dan F 1,5	3						97,0000	97,0000	97,0000
Vit 225 dan F 0	3							99,0000	99,0000
Vit 0 F 0	3								101,333
									3
Sig.		0,084	0,065	0,109	0,084	0,084	0,109	0,084	0,065

Keterangan: huruf yang sama pada kolom yang sama menunjukkan tidak berbeda nyata antar perlakuan pada taraf 5% ($p > 0,05$)

Lampiran 7, Deposit fosfor larva ikan kakap putih yang diberi berbagai dosis vitamin B kompleks dan fosfor

Vitamin B Kompleks (mg) dan Fosfor (mg)	Ulangan	Kandungan Fosfor (%)
0 dan 0	1	0,258
	2	0,359
	3	0,479
	Rerata	0,365 ± 0,111
75 dan 0	1	0,402
	2	0,339
	3	0,392
	Rerata	0,377 ± 0,034
150 dan 0	1	0,741
	2	0,673
	3	0,702
	Rerata	0,705 ± 0,034
225 dan 0	1	0,345
	2	0,343
	3	0,397
	Rerata	0,361 ± 0,031
0 dan 0,5	1	0,522
	2	0,575
	3	0,549
	Rerata	0,548 ± 0,027
75 dan 0,5	1	0,647
	2	0,666
	3	0,656
	Rerata	0,656 ± 0,010
150 dan 0,5	1	0,782
	2	0,737
	3	0,791
	Rerata	0,770 ± 0,029
225 dan 0,5	1	0,341
	2	0,395
	3	0,416
	Rerata	0,384 ± 0,039
0 dan 1	1	0,295
	2	0,141
	3	0,204
	Rerata	0,213 ± 0,077
75 dan 1	1	0,437
	2	0,295
	3	0,416
	Rerata	0,382 ± 0,077
150 dan 1	1	0,766
	2	0,782
	3	0,797
	Rerata	0,781 ± 0,016
225 dan 1	1	0,575
	2	0,447
	3	0,517
	Rerata	0,513 ± 0,064
0 dan 1,5	1	0,343
	2	0,422
	3	0,496
	Rerata	0,420 ± 0,077
75 dan 1,5	1	0,673
	2	0,245
	3	0,467
	Rerata	0,461 ± 0,214
150 dan 1,5	1	0,739
	2	0,741
	3	0,693
	Rerata	0,724 ± 0,027
225 dan 1,5	1	0,479
	2	0,458
	3	0,397
	Rerata	0,444 ± 0,043

Lampiran 8, Analisis ragam deposit fosfor larva ikan kakap putih yang diberi berbagai dosis vitamin B kompleks dan fosfor

Sumber keragaman	JK	df	KT	F	Sig,
Perlakuan	1,330 ^a	15	0,089	15,934	0,000
Intercept	16,647	1	16,647	2990,949	0,000
Fosfor	0,132	3	0,044	7,926**	0,000
Vitamin	0,951	3	0,317	56,925**	0,000
Vitamin * Fosfor	0,247	9	0,027	4,940**	0,000
Galat	0,178	32	0,006		
Total	18,156	48			
Corrected Total	1,508	47			

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

Lampiran 9, Uji lanjut deposit fosfor larva ikan kakap putih yang diberi berbagai dosis vitamin B kompleks dan fosfor

VitminBFosfor	N	Subset for alpha = 0,05					
		1	2	3	4	5	6
Vit 150 dan F 0	3	0,2133					
Vit 0 dan F 1,5	3	0,3617	0,3617				
Vit 0 F 0	3	0,3653	0,3653				
Vit 0 dan 0,5	3	0,3777	0,3777				
Vit 150 F 0,5	3	0,3827	0,3827				
Vit 75 dan F 1,5	3	0,3840	0,3840				
Vit 225 dan F 0	3	0,4203	0,4203				
Vit 225 dan F 1,5	3		0,4447	0,4447			
Vit 225 dan F 0,5	3		0,4617	0,4617			
Vit 150 dan F 1,5	3		0,5130	0,5130	0,5130		
Vit 75 dan F 0	3		0,5487	0,5487	0,5487	0,5487	
Vit 75 dan F 0,5	3			0,6563	0,6563	0,6563	0,6563
Vit 0 dan F 1,0	3				0,7053	0,7053	0,7053
Vit 225 dan F 1,0	3				0,7243	0,7243	0,7243
Vit 75 dan F 1,0	3					0,7700	0,7700
Vit 150 dan F 1,0	3						0,7817
Sig,		0,101	0,197	0,085	0,086	0,060	0,777

Lampiran 10. Rasio RNA/DNA larva ikan kakap putih yang diberi berbagai dosis vitamin B kompleks dan fosfor

Vitamin B Kompleks (mg) dan Fosfor (mg)	Ulangan	DNA	RNA	Rasio RNA/DNA
0 dan 0	1	11,6	8,4	0,724
	2	11,8	8,6	0,728
	3	12,1	8,9	0,735
	Rerata	11,8	9,6	0,729 ± 0,005
75 dan 0	1	13,0	10,7	0,823
	2	13,2	10,2	0,772
	3	13,7	10,5	0,766
	Rerata	13,3	10,4	0,787 ± 0,031
150 dan 0	1	76,8	62,0	0,801
	2	76,1	62,1	0,816
	3	76,4	82,6	0,819
	Rerata	26,4	22,2	0,814 ± 0,006
225 dan 0	1	23,9	19,2	0,803
	2	23,6	19,3	0,817
	3	23,8	19,9	0,836
	Rerata	23,7	19,46	0,819 ± 0,016
0 dan 0,5	1	20,9	16,1	0,770
	2	20,4	16,4	0,803
	3	19,7	15,8	0,802
	Rerata	20,3	16,1	0,791 ± 0,019
75 dan 0,5	1	78,7	63,7	0,809
	2	78,1	63,4	0,811
	3	78,5	63,9	0,814
	Rerata	78,4	63,6	0,811 ± 0,002
150 dan 0,5	1	80,2	67,3	0,839
	2	79,8	66,9	0,838
	3	80,7	67,1	0,831
	Rerata	80,23	67,1	0,836 ± 0,004
225 dan 0,5	1	12,8	9,3	0,726
	2	13,2	9,9	0,750
	3	12,7	9,5	0,748
	Rerata	12,9	9,23	0,820 ± 0,013
0 dan 1	1	19,5	15,4	0,789
	2	18,9	14,9	0,788
	3	19,2	15,1	0,786
	Rerata	19,2	15,1	0,788 ± 0,002
75 dan 1	1	84,6	70,2	0,829
	2	84,2	70,8	0,840
	3	83,9	69,9	0,833
	Rerata	84,2	70	0,834 ± 0,006
150 dan 1	1	92,7	81,4	0,878
	2	91,9	80,8	0,879
	3	92,5	81,7	0,883
	Rerata	92,3	81,3	0,880 ± 0,002
225 dan 1	1	13,8	10,9	0,789
	2	13,2	10,8	0,818
	3	14,1	11,7	0,829
	Rerata	13,8	10,26	0,812 ± 0,020
0 dan 1,5	1	32,1	25,2	0,785
	2	31,9	24,3	0,761
	3	32,3	25,3	0,783
	Rerata	32,1	25,1	0,776 ± 0,012
75 dan 1,5	1	26,1	20,8	0,796
	2	25,8	20,4	0,790
	3	25,7	19,9	0,774
	Rerata	25,8	20,3	0,787 ± 0,011
150 dan 1,5	1	89,7	78,2	0,871
	2	89,2	77,8	0,872
	3	90,1	78,5	0,871
	Rerata	89,6	78,1	0,871 ± 0,0004
225 dan 1,5	1	21,5	17,4	0,809
	2	20,9	16,9	0,808
	3	21,9	17,8	0,812
	Rerata	21,4	17,3	0,810 ± 0,002

Lampiran 11, Analisis ragam rasio DNA/RNA larva ikan kakap putih yang diberi berbagai dosis vitamin B kompleks dan fosfor

Sumber Keragaman	JK	df	KT	F	Sig,
Perlakuan	0,107 ^a	15	0,007	58,618	0,000
Intercept	32,773	1	32,773	268948,623	0,000
Fosfor	0,009	3	0,003	25,170**	0,000
VitaminB	0,058	3	0,019	157,457**	0,000
Vitamin B * Fosfor	0,040	9	0,004	36,822**	0,000
Galat	0,004	32	0,000		
Total	32,884	48			
Corrected Total	0,111	47			

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

Lampiran 12, Uji lanjut Rasio RNA/DNA larva ikan kakap putih yang diberi berbagai dosis vitamin B kompleks dan fosfor

VitaminFosfor	N	Subset for alpha = 0,05					
		1	2	3	4	5	6
Vit 225 F 0,5	3	0,7415					
Vit 225 F 1,0	3	0,7492	0,7492				
Vit 0 F 1,5	3		0,7830	0,7830			
Vit 75 F 1,5	3			0,7873			
Vit 75 F 0	3			0,7874			
Vit 0 F 1,0	3			0,7882			
Vit 0 F 0,5	3			0,7921			
Vit 225 F 1,5	3			0,8102	0,8102		
Vit 75 F 0,5	3			0,8117	0,8117		
Vit 0 F 0	3			0,8141	0,8141		
Vit 225 F 0	3			0,8191	0,8191		
Vit 75 F 1,0	3				0,8346	0,8346	
Vit 150 F 0,5	3				0,8363	0,8363	
Vit 150 F 0	3				0,8412	0,8412	
Vit 150 F 1,5	3					0,8717	0,8717
Vit 150 F 1,0	3						0,8802
Sig,		1,000	0,110	0,065	0,191	0,051	1,000

Keterangan: huruf yang sama pada kolom yang sama menunjukkan tidak berbeda nyata antar perlakuan pada taraf 5% ($p > 0,05$)

Lampiran 13, Pertumbuhan larva ikan kakap putih yang diberi berbagai dosis vitamin B kompleks dan fosfor

Vitamin B Kompleks (mg) dan Fosfor (mg)	Ulangan	W ₀ (ekor) (gram)	W _t (ekor) (gram)	SGR (%/hari)
0 dan 0	1	0,00445	5,56	23,768
	2	0,00445	4,38	22,972
	3	0,00445	2,24	20,737
	Rerata	0,00445	4,06	22,492 ± 1,571
75 dan 0	1	0,00445	20,97	28,193
	2	0,00445	20,11	28,053
	3	0,00445	18,19	27,719
	Rerata	0,00445	19,76	27,988 ± 0,244
150 dan 0	1	0,00445	23,75	28,608
	2	0,00445	23,75	28,608
	3	0,00445	22,14	28,374
	Rerata	0,00445	23,21	28,530 ± 0,135
225 dan 0	1	0,00445	12,73	26,529
	2	0,00445	12,3	26,414
	3	0,00445	11,23	26,111
	Rerata	0,00445	12,09	26,351 ± 0,216
0 dan 0,5	1	0,00445	15,83	27,255
	2	0,00445	14,01	26,848
	3	0,00445	13,26	26,665
	Rerata	0,00445	14,37	26,923 ± 0,302
75 dan 0,5	1	0,00445	24,28	28,681
	2	0,00445	24,07	28,652
	3	0,00445	23,86	28,623
	Rerata	0,00445	24,07	28,652 ± 0,029
150 dan 0,5	1	0,00445	26,64	28,990
	2	0,00445	25,79	28,882
	3	0,00445	25,47	28,841
	Rerata	0,00445	25,97	28,904 ± 0,077
225 dan 0,5	1	0,00445	16,37	27,367
	2	0,00445	15,83	27,255
	3	0,00445	15,83	27,255
	Rerata	0,00445	16,01	27,293 ± 0,065
0 dan 1	1	0,00445	9,73	25,633
	2	0,00445	8,45	25,163
	3	0,00445	8,13	25,034
	Rerata	0,00445	8,77	25,277 ± 0,315
75 dan 1	1	0,00445	31,45	29,544
	2	0,00445	30,81	29,475
	3	0,00445	29,85	29,370
	Rerata	0,00445	30,7	29,463 ± 0,088
150 dan 1	1	0,00445	50,82	31,143
	2	0,00445	46,65	30,858
	3	0,00445	46,54	30,850
	Rerata	0,00445	48	30,950 ± 0,167
225 dan 1	1	0,00445	17,76	27,639
	2	0,00445	16,9	27,473
	3	0,00445	16,79	27,452
	Rerata	0,00445	17,15	27,521 ± 0,102
0 dan 1,5	1	0,00445	28,56	29,222
	2	0,00445	27,92	29,147
	3	0,00445	26,75	29,004
	Rerata	0,00445	27,743	29,124 ± 0,111
75 dan 1,5	1	0,00445	25,25	28,812
	2	0,00445	24,61	28,726
	3	0,00445	24,28	28,681
	Rerata	0,00445	24,7133	28,740 ± 0,066
150 dan 1,5	1	0,00445	43,87	30,653
	2	0,00445	32,74	29,678
	3	0,00445	31,88	29,589
	Rerata	0,00445	36,16	29,973 ± 0,590
225 dan 1,5	1	0,00445	11,23	26,111
	2	0,00445	11,12	26,078
	3	0,00445	11,02	26,048
	Rerata	0,00445	11,12	26,079 ± 0,031

Lampiran 14, Analisis ragam pertumbuhan larva ikan kakap putih yang diberi berbagai dosis vitamin B kompleks dan fosfor

Sumber Keragaman	JK	df	KT	F	Sig,
Perlakuan	189,742 ^a	15	12,649	63,109	0,000
Intercept	37007,846	1	37007,846	184635,428	0,000
Vitamin B	34,324	3	11,441	57,082**	0,000
Fosfor	100,946	3	33,649	167,876**	0,000
Vitamin B * Fosfor	54,472	9	6,052	30,196**	0,000
Galat	6,414	32	0,200		
Total	37204,001	48			
Corrected Total	196,156	47			

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

Lampiran 15, Uji lanjut pertumbuhan larva ikan kakap putih yang diberi berbagai dosis vitamin B kompleks dan fosfor,

VitaminFosfor	N	Subset for alpha = 0,05										
		1	2	3	4	5	6	7	8	9	10	11
Vit 0 F 0	3	22,493										
Vit 0 F 1,0	3		25,277									
Vit 225 F 1,5	3		26,079	26,079								
Vit 225 F 0	3		26,351	26,351	26,351							
Vit 0 F 0,5	3			26,923	26,923	26,923						
Vit 225 F 0,5	3			27,293	27,293	27,293	27,293					
Vit 225 F 1,0	3				27,521	27,521	27,521	27,521				
Vit 75 F 0	3					27,988	27,988	27,988	27,988			
Vit 150 F 0	3						28,530	28,530	28,530	28,530		
Vit 75 F 0,5	3							28,652	28,652	28,652	28,652	
Vit 75 F 1,5	3							28,740	28,740	28,740	28,740	
Vit 150 F 0,5	3								28,905	28,905	28,905	
Vit 0 F 1,5	3								29,124	29,124	29,124	
Vit 75 F 1,0	3									29,463	29,463	
Vit 150 F 1,5	3										29,973	29,973
Vit 150 F 1,0	3											30,950
Sig.		1,000	0,250	0,119	0,152	0,262	0,104	0,116	0,183	0,462	0,062	0,388

Keterangan: huruf yang sama pada kolom yang sama menunjukkan tidak berbeda nyata antar perlakuan pada taraf 5% ($p > 0,05$)

Lampiran 16, Aktivitas enzim ATPase dan enzim Phosphatase larva ikan kakap putih yang diberi berbagai dosis vitamin B kompleks dan fosfor

Kode Sampel	Ulangan	Aktivitas Enzim ATPase (U/mL)	Enzim Phosphaatase (U/mL)
A	A1	0,5498	0,0008
	A2	0,5428	0,0012
	A3	0,543	0,0013
	Rerata	0,5452	0,0011
B	B1	1,1813	0,0013
	B2	1,1822	0,0014
	B3	1,1903	0,0017
	Rerata	1,1846	0,0015
C	C1	1,3249	0,0031
	C2	1,3159	0,0033
	C3	1,3167	0,0026
	Rerata	1,3192	0,003
D	D1	1,5178	0,0041
	D2	1,5157	0,0036
	D3	1,5299	0,0034
	Rerata	1,5212	0,0037
E	E1	4,1507	0,0063
	E2	4,1445	0,0054
	E3	4,1434	0,0042
	Rerata	4,1462	0,0053
F	F1	4,3802	0,0052
	F2	4,3845	0,0059
	F3	4,3807	0,0063
	Rerata	4,3818	0,0058
G	G1	4,5553	0,0079
	G2	4,5482	0,0071
	G3	4,5465	0,0062
	Rerata	4,5500	0,007
H	H1	4,8279	0,0082
	H2	4,8128	0,0078
	H3	4,8169	0,0077
	Rerata	4,8192	0,0079
I	I1	7,9265	0,0131
	I2	7,9288	0,0121
	I3	7,9413	0,0114
	Rerata	7,9322	0,0122
J	J1	8,1494	0,0144
	J2	8,1537	0,0137
	J3	8,1499	0,0127
	Rerata	8,151	0,0136
K	K1	8,3838	0,0157
	K2	8,3824	0,0142
	K3	8,3933	0,0148
	Rerata	8,3865	0,0149
L	L1	8,6863	0,0152
	L2	8,6843	0,0161
	L3	8,6976	0,0158
	Rerata	8,6894	0,0157
M	M1	15,9208	0,0337
	M2	15,9325	0,0339
	M3	15,9217	0,0347
	Rerata	15,925	0,0341
N	N1	16,1919	0,0341
	N2	16,1915	0,0361
	N3	16,1992	0,0339
	Rerata	16,1942	0,0347
O	O1	16,3252	0,0366
	O2	16,3254	0,0346
	O3	16,3358	0,0365
	Rerata	16,3288	0,0359
P	P1	16,5697	0,0409
	P2	16,5622	0,0404
	P3	16,5613	0,0407
	Rerata	16,5644	0,0407

Lampiran 17, Analisis ragam aktivitas enzim ATPase larva ikan kakap putih yang diberi berbagai dosis vitamin B kompleks dan fosfor

Sumber Keragaman	JK	df	KT	F	Sig,
Perlakuan	1525,590 ^a	15	101,706	3238033,866	0,000
Intercept	2728,823	1	2728,823	86878083,791	0,000
Fosfor	1521,678	3	507,226	16148655,598	0,000
Vitamin_B	3,671	3	1,224	38962,552	0,000
Vitamin B * Fosfor	0,240	9	,027	850,393	0,000
Galat	0,001	32	3,141E-5		
Total	4254,413	48			
Corrected Total	1525,591	47			

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

Lampiran 18, Uji lanjut aktivitas enzim ATPase larva ikan kakap putih yang diberi berbagai dosis vitamin B kompleks dan fosfor

		Subset for alpha = 0,05															
Fosfor/Vitamin	N	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Vit 0 F 0	3	,5452															
Vit 0 F 1,0	3		1,184														
Vit 225 F 1,5	3			1,319													
Vit 225 F 0	3				1,521												
Vit 0 F 0,5	3					4,146											
Vit 225 F 0,5	3						4,381										
Vit 225 F 1,0	3							4,550									
Vit 75 F 0	3								4,819								
Vit 150 F 0	3									7,932							
Vit 75 F 0,5	3										8,151						
Vit 75 F 1,5	3											8,386					
Vit 150 F 0,5	3												8,689				
Vit 0 F 1,5	3													15,925			
Vit 75 F 1,0	3														16,194		
Vit 150 F 1,5	3															16,328	
Vit 150 F 1,0	3																16,560
Sig.		1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000

Keterangan: huruf yang sama pada kolom yang sama menunjukkan tidak berbeda nyata antar perlakuan pada taraf 5% ($p > 0,05$)

Lampiran 19, Analisis ragam aktivitas enzim phospatase larva ikan kakap putih yang diberi berbagai dosis vitamin B kompleks dan fosfor

Dependent Variable: Enzim_Phosfatase

Sumber Keragaman	JK	df	KT	F	Sig,
Perlakuan	0,008 ^a	15	,001	1130,663	0,000
Intercept	0,011	1	,011	21294,095	0,000
Fosfor	0,008	3	,003	5567,509	0,000
Vitamin_B	0,000	3	3,377E-5	68,213	0,000
Vitamin B * Fosfor	2,613E-5	9	2,903E-6	5,865	0,000
Galat	1,584E-5	32	4,950E-7		
Total	,019	48			
Corrected Total	,008	47			

Keterangan: **Berpengaruh sangat nyata (P < 0,01)

Lampiran 20, Uji Lanjut Aktivitas enzim Phospatase larva ikan kakap putih yang diberi berbagai dosis vitamin B kompleks dan fosfor

FosforVitamin	N	Subset for alpha = 0,05								
		1	2	3	4	5	6	7	8	9
Vit 0 F 0	3	0,00110								
Vit 0 F 1,0	3	0,00146								
Vit 225 F 1,5	3	0,00300	0,0030							
Vit 225 F 0	3		0,0037	0,0037						
Vit 0 F 0,5	3			0,0053	0,00530					
Vit 225 F 0,5	3			0,0058	0,00580	0,0058				
Vit 225 F 1,0	3				0,00706	0,0070				
Vit 75 F 0	3					0,0079				
Vit 150 F 0	3						0,0122			
Vit 75 F 0,5	3						0,0136	0,0136		
Vit 75 F 1,5	3							0,0149		
Vit 150 F 0,5	3							0,0157		
Vit 0 F 1,5	3								0,0341	
Vit 75 F 1,0	3								0,0347	
Vit 150 F 1,5	3								0,0359	
Vit 150 F 1,0	3									0,0406
Sig.		0,122	0,996	0,057	0,195	0,057	0,536	0,057	0,174	1,000

Keterangan: huruf yang sama pada kolom yang sama menunjukkan tidak berbeda nyata antar perlakuan pada taraf 5% ($p > 0,05$)

Lampiran 21 : Prosedur Penghitungan defosit fosfor menggunakan AAS (Atomic Absorbtion Spektrofotometr)

1. Cawan porselin yang telah bersih di ovenkan pada suhu 105°C selama 2 jam
2. Dinginkan dalam eksikator selama ½ jam kemudian di timbang
3. Kedalam cawan porselin di timbang \pm 1 gram contoh
4. Cawan porselin bersama contoh dalam penetapan kadar air di masukkan kedalam tanur listrik
5. Suhu tanur di atur hingga 600°C, kemudian di biarkan 3 jam sampai menjadi abu
6. Biarkan agak dingin kemudian masukkan kedalam eksikator selama ½ jam
7. Abu dalam cawan porselin pada penetapan kadar abu ditambahkan 3 – 5 ml HCl pekat
8. Encerkan dengan air suling hingga volume mendekati bibir cawan dan biarkan bermalam
9. Tuang kedalam labu ukur 100 ml
10. Bilas dengan air suling hingga tanda garis lalu kocok hingga homogen (siap untuk penetapan mineral)
11. Saring menggunakan kertas saring
12. Injukkan ke alat AAS
13. Buat kurva standar sesuai logam yang akan di analisis