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Lampiran 1

Perhitungan Konsentrasi Bahan Uji

Dosis 200 ppm : 0,02 gr Ekstrak Etanol Daun Zodia (EEDZ) dilarutkan ke dalam 100 ml CMC 1% (1 gr CMC kering dilarutkan ke dalam 100 ml akuades)

Dosis 300 ppm : 0,03 gr EEDZ dilarutkan ke dalam 100 ml CMC 1%

Dosis 400 ppm : 0,04 gr EEDZ dilarutkan ke dalam 100 ml CMC 1%

Dosis 500 ppm : 0,05 gr EEDZ dilarutkan ke dalam 100 ml CMC 1%

Dosis *Temephos* 1 ppm yang digunakan dalam penelitian adalah 0,1 mg *Temephos* dilarutkan ke dalam 100 ml air, didapatkan dari :

1 ppm = 1 mg *Temephos* dilarutkan ke dalam 1.000 ml air

Berarti di dalam 100 ml air, dilarutkan 0,1 mg *Temephos*

= 0,1 mg *Temephos* di dalam 100 ml air

= 1 mg *Temephos* di dalam 1.000 ml air

= 1 ppm

Lampiran 2

Perhitungan Statistik Jumlah Larva yang Mati Setelah Perlakuan.

Analisis Data : Homogenitas dan ANAVA

ONEWAY

Descriptives

Persentase larva mati selama 24 jam (EEDZ)

	N	*Mean*	*Std. Deviation*	*Std. Error*	*95% Confidence Interval for Mean*		*Minimum*	*Maximum*
					Lower Bound	*Upper Bound*		
EEDZ D1	4	43,3333	2,72166	1,36083	39,0026	47,6641	40,00	46,67
EEDZ D2	4	76,6667	2,72166	1,36083	72,3359	80,9974	73,33	80,00
EEDZ D3	4	93,3333	2,72166	1,36083	89,0026	97,6641	90,00	96,67
EEDZ D4	4	100,0000	,00000	,00000	100,0000	100,0000	100,00	100,00
Kontrol	4	,0000	,00000	,00000	,0000	,0000	,00	,00
Pembanding	4	84,1667	1,66667	,83333	81,5146	86,8187	83,33	86,67
Total	24	66,2500	35,47214	7,24072	51,2714	81,2286	,00	100,00

ANOVA

Persentase larva mati selama 24 jam (EEDZ)

	Sum of Squares	df	*Mean Square*	F	*Sig.*
Between Groups	28865,278	5	5773,056	1385,533	,000
Within Groups	75,000	18	4,167		
Total	28940,278	23			

$F_{(5,18)0,05} = 2,77$

Post Hoc Tests

Multiple Comparisons

Dependent Variable: Persentase larva mati selama 24 jam (EEDZ)
Tukey HSD

(I) Kelompok Perlakuan	(J) Kelompok Perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
EEDZ D1	EEDZ D2	-33,33333*	1,44338	,000	-37,9204	-28,7462
	EEDZ D3	-50,00000*	1,44338	,000	-54,5871	-45,4129
	EEDZ D4	-56,66667*	1,44338	,000	-61,2538	-52,0796
	Kontrol	43,33333*	1,44338	,000	38,7462	47,9204
	Pembanding	-40,83333*	1,44338	,000	-45,4204	-36,2462
EEDZ D2	EEDZ D1	33,33333*	1,44338	,000	28,7462	37,9204
	EEDZ D3	-16,66667*	1,44338	,000	-21,2538	-12,0796
	EEDZ D4	-23,33333*	1,44338	,000	-27,9204	-18,7462
	Kontrol	76,66667*	1,44338	,000	72,0796	81,2538
	Pembanding	-7,50000*	1,44338	,001	-12,0871	-2,9129
EEDZ D3	EEDZ D1	50,00000*	1,44338	,000	45,4129	54,5871
	EEDZ D2	16,66667*	1,44338	,000	12,0796	21,2538
	EEDZ D4	-6,66667*	1,44338	,002	-11,2538	-2,0796
	Kontrol	93,33333*	1,44338	,000	88,7462	97,9204
	Pembanding	9,16667*	1,44338	,000	4,5796	13,7538
EEDZ D4	EEDZ D1	56,66667*	1,44338	,000	52,0796	61,2538
	EEDZ D2	23,33333*	1,44338	,000	18,7462	27,9204
	EEDZ D3	6,66667*	1,44338	,002	2,0796	11,2538
	Kontrol	100,00000*	1,44338	,000	95,4129	104,5871
	Pembanding	15,83333*	1,44338	,000	11,2462	20,4204
Kontrol	EEDZ D1	-43,33333*	1,44338	,000	-47,9204	-38,7462
	EEDZ D2	-76,66667*	1,44338	,000	-81,2538	-72,0796
	EEDZ D3	-93,33333*	1,44338	,000	-97,9204	-88,7462
	EEDZ D4	-100,00000*	1,44338	,000	-104,5871	-95,4129
	Pembanding	-84,16667*	1,44338	,000	-88,7538	-79,5796
Pembanding	EEDZ D1	40,83333*	1,44338	,000	36,2462	45,4204
	EEDZ D2	7,50000*	1,44338	,001	2,9129	12,0871
	EEDZ D3	-9,16667*	1,44338	,000	-13,7538	-4,5796
	EEDZ D4	-15,83333*	1,44338	,000	-20,4204	-11,2462
	Kontrol	84,16667*	1,44338	,000	79,5796	88,7538

*. The mean difference is significant at the .05 level.

HOMOGENEOUS SUBSETS

Persentase larva mati selama 24 jam (EEDZ)

Tukey HSD[a]

		Subset for alpha = .05					
Kelompok Perlakuan	N	1	2	3	4	5	6
Kontrol	4	,0000					
EEDZ D1	4		43,3333				
EEDZ D2	4			76,6667			
Pembanding	4				84,1667		
EEDZ D3	4					93,3333	
EEDZ D4	4						100,0000
Sig.		1,000	1,000	1,000	1,000	1,000	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 4,000.

Lampiran 3

Probit Analisis

```
* * * * * * * * * * * * P R O B I T   A N A L Y S I S * * * * *
* * * * * * *

DATA  Information

         16 unweighted cases accepted.
          0 cases rejected because of missing data.
          1 case is in the control group.
          0 cases rejected because LOG-transform can't be done.
MODEL Information

      ONLY Normal Sigmoid is requested.

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - -



* * * * * * * * * * * * P R O B I T   A N A L Y S I S * * * * *
* * * * * * *

 Parameter estimates converged after 7 iterations.
 Optimal solution found.

 Parameter Estimates (PROBIT model:  (PROBIT(p)) = Intercept +
BX):

           Regression Coeff.  Standard Error     Coeff./S.E.

   Dosis             5.99187          .57579        10.40633


                  Intercept  Standard Error  Intercept/S.E.

                  -14.01072         1.40474        -9.97387

  Pearson  Goodness-of-Fit  Chi Square =      4.934    DF = 14   P
=  .987

  Since Goodness-of-Fit Chi square is NOT significant, no
heterogeneity
  factor is used in the calculation of confidence limits.

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - -
```

* * * * * * * * * * * * P R O B I T A N A L Y S I S * * * * * * * * * * * *

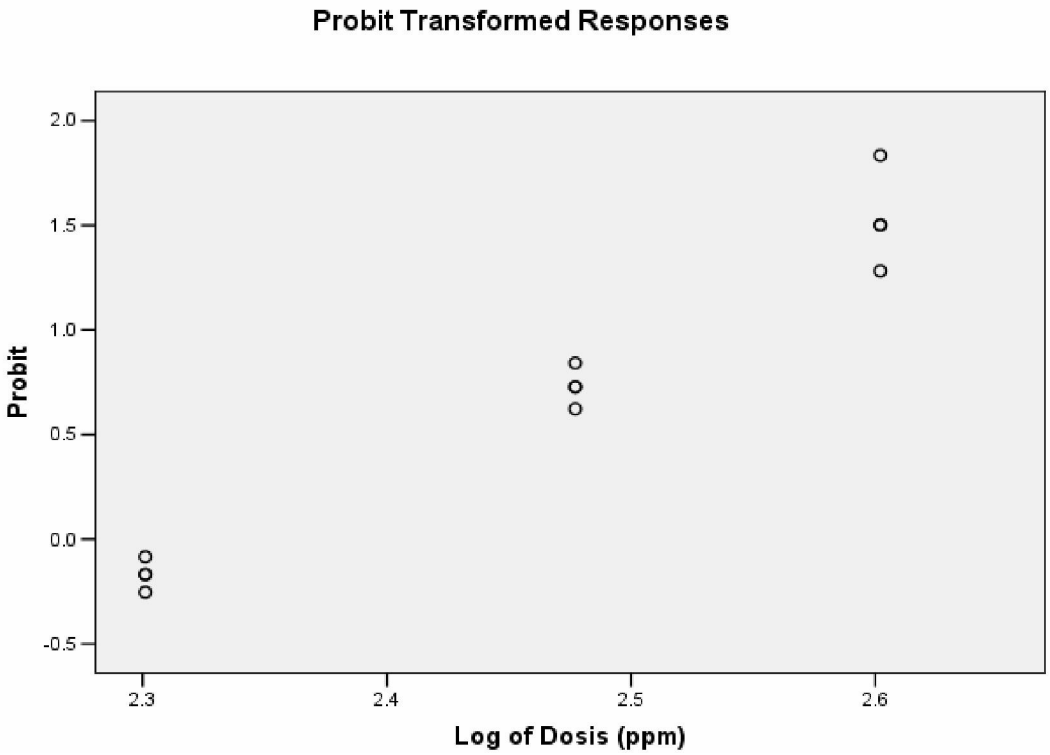
Observed and Expected Frequencies

Dosis	Number of Subjects	Observed Responses	Expected Responses	Residual	Prob
2.30	30.0	13.0	12.350	.650	.41167
2.30	30.0	13.0	12.350	.650	.41167
2.30	30.0	12.0	12.350	-.350	.41167
2.30	30.0	14.0	12.350	1.650	.41167
2.48	30.0	22.0	23.918	-1.918	.79726
2.48	30.0	23.0	23.918	-.918	.79726
2.48	30.0	24.0	23.918	.082	.79726
2.48	30.0	23.0	23.918	-.918	.79726
2.60	30.0	27.0	28.290	-1.290	.94300
2.60	30.0	28.0	28.290	-.290	.94300
2.60	30.0	28.0	28.290	-.290	.94300
2.60	30.0	29.0	28.290	.710	.94300
2.70	30.0	30.0	29.540	.460	.98466
2.70	30.0	30.0	29.540	.460	.98466
2.70	30.0	30.0	29.540	.460	.98466
2.70	30.0	30.0	29.540	.460	.98466

* * * * * * * * * * * * P R O B I T A N A L Y S I S * * * * * * * * * * * *

Confidence Limits for Effective Dosis

Prob	Dosis	95% Confidence Limits Lower	Upper
.01	89.13259	68.22876	107.23760
.02	98.97633	77.57031	117.20743
.03	105.77823	84.14307	124.01822
.04	111.20141	89.44758	129.40782
.05	115.81717	94.00459	133.96909
.06	119.89654	98.06285	137.98199
.07	123.59141	101.76250	141.60286
.08	126.99623	105.19105	144.92866
.09	130.17416	108.40724	148.02405
.10	133.16970	111.45257	150.93451
.15	146.32342	124.97095	163.64230
.20	157.69814	136.83059	174.55749
.25	168.15880	147.85181	184.55799
.30	178.14285	158.45179	194.08970
.35	187.92296	168.89024	203.43487
.40	197.69934	179.35541	212.80724
.45	207.64193	190.00233	222.39709
.50	217.91494	200.97349	232.39985
.55	228.69621	212.41292	243.04141
.60	240.19767	224.47954	254.60775
.65	252.69356	237.36538	267.48653
.70	266.56653	251.32917	282.23228
.75	282.39332	266.76620	299.68081
.80	301.12544	284.36190	321.18566
.85	324.53397	305.45807	349.21508
.90	356.58954	333.13770	389.26633
.91	364.79529	340.05244	399.77238
.92	373.92386	347.67815	411.56532
.93	384.22511	356.20739	424.99767
.94	396.06581	365.92184	440.58934
.95	410.01624	377.25782	459.15289
.96	427.03524	390.94568	482.06291
.97	448.92906	408.35406	511.92755
.98	479.78061	432.55629	554.69720
.99	532.76718	473.37674	629.83642


Probit Transformed Responses
Probit
2.0
1.5
1.0
0.5
0.0
-0.5
2.3
2.4
2.5
2.6
Log of Dosis (ppm)

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