

Lampiran 1 :Perhitungan Dosis

Perhitungan dosis infusa biji sirsak (IBS)

Penelitian terdahulu tentang efektivitas infusa biji sirsak terhadap *Culex sp* diperoleh LD₉₉ pada dosis IBS 0.4%, sehingga dilakukan *trial and error* pada dosis yang sama, lebih rendah dan lebih tinggi dari LD₉₉ yaitu dosis IBS 0.2%, 0.4% dan 0.8%. Penelitian yang dilakukan menggunakan variabel dosis IBS 0.1%, 0.2%, 0.4% dan 0.8%. Pembuatan dosis IBS 10% dibuat dengan prosedur Farmakope Indonesia ed IV tahun 1995 sebagai berikut :

Untuk membuat 500 ml IBS 0.8% diperlukan pengenceran dari IBS 10% .

$$\text{IBS 0.8\% yang dibutuhkan} = \frac{0.8}{10} \times 500 \text{ ml} = 40 \text{ ml}$$

kemudian + akuades hingga 500 ml

Untuk dosis 0.4%, 0.2% dan 0.1% dihitung dengan menggunakan cara yang sama.

Perhitungan dosis *Temephos*

Dosis *Temephos* 1 ppm yang digunakan dalam penelitian adalah 0,1 mg *Temephos* didalam 100 ml air, didapat dari :

$$1 \text{ ppm} = 1 \text{ mg } \textit{Temephos} \text{ didalam } 1.000 \text{ ml air.}$$

$$\text{Berarti didalam } 100 \text{ ml dilarutkan } 0,1 \text{ mg } \textit{Temephos}$$

$$= 0,1 \text{ mg } \textit{Temephos} \text{ didalam } 100 \text{ ml air}$$

$$= 0.0001 \text{ g } \textit{Temephos} \text{ didalam } 1 \text{ L air.}$$

$$= 0.0001\%$$

Lampiran 2 : Oneway

Descriptives

Persentase larva mati setelah 24 jam

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
Infusa Biji Sirsak 0.1 %	4	75,8333	3,19142	1,59571	70,7551	80,9116	73,33	80,00
Infusa Biji Sirsak 0.2 %	4	86,6667	2,72166	1,36083	82,3359	90,9974	83,33	90,00
Infusa Biji Sirsak 0.4 %	4	96,6667	,00000	,00000	96,6667	96,6667	96,67	96,67
Infusa Biji Sirsak 0.8 %	4	100,0000	,00000	,00000	100,0000	100,0000	100,0	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	73,8889	34,76167	7,09570	59,2103	88,5675	,00	100,00

ANOVA

Persentase larva mati setelah 24 jam

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	27731,481	5	5546,296	1633,636	,000
Within Groups	61,111	18	3,395		
Total	27792,593	23			

Lampiran 3 : Post Hoc Tests

Multiple Comparisons

Dependent Variable: Persentase larva mati setelah 24 jam

Tukey HSD

		Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
		-10,83333*	1,30289	,000	-14,9740	-6,6927
		-20,83333*	1,30289	,000	-24,9740	-16,6927
		-24,16667*	1,30289	,000	-28,3073	-20,0260
	(J) Kelompok Perlakuan	75,83333*	1,30289	,000	71,6927	79,9740
		-8,33333*	1,30289	,000	-12,4740	-4,1927
Infusa Biji Sirsak 0.2 %	Infusa Biji Sirsak 0.2 %	10,83333*	1,30289	,000	6,6927	14,9740
		-10,00000*	1,30289	,000	-14,1406	-5,8594
		-13,33333*	1,30289	,000	-17,4740	-9,1927
	Infusa Biji Sirsak 0.4 %	86,66667*	1,30289	,000	82,5260	90,8073
		2,50000	1,30289	,423	-1,6406	6,6406
Infusa Biji Sirsak 0.4 %	Infusa Biji Sirsak 0.8 %	20,83333*	1,30289	,000	16,6927	24,9740
		10,00000*	1,30289	,000	5,8594	14,1406
		-3,33333	1,30289	,159	-7,4740	,8073
	Kontrol	96,66667*	1,30289	,000	92,5260	100,8073
		12,50000*	1,30289	,000	8,3594	16,6406
Infusa Biji Sirsak 0.8 %	Pembanding	24,16667*	1,30289	,000	20,0260	28,3073
		13,33333*	1,30289	,000	9,1927	17,4740
		3,33333	1,30289	,159		
	Infusa Biji Sirsak 0.1 %				-8,073	7,4740
		100,00000*				
Kontrol	Infusa Biji Sirsak 0.4 %		1,30289	,000	95,8594	104,1406
		15,83333*	1,30289	,000	11,6927	19,9740
	Infusa Biji Sirsak 0.8 %					
Pembanding	Kontrol	-75,83333*	1,30289	,000	-79,9740	-71,6927
		-86,66667*	1,30289	,000		
	Infusa Biji Sirsak 0.1 %	-96,66667*	1,30289	,000	-100,8073	-92,5260
	Infusa Biji Sirsak 0.2 %	-100,00000*	1,30289	,000	-104,1406	-95,8594
	Infusa Biji Sirsak 0.8 %					

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

Lampiran 4 : Homogeneous Subsets

Persentase larva mati setelah 24 jam

Tukey HSD^a

Kelompok Perlakuan	N	Subset for alpha = .05			
		1	2	3	4
Kontrol	4	,0000			
Infusa Biji Sirsak 0.1 %	4		75,8333		
Pembanding	4			84,1667	
Infusa Biji Sirsak 0.2 %	4			86,6667	
Infusa Biji Sirsak 0.4 %	4				96,6667
Infusa Biji Sirsak 0.8 %	4				100,0000
Sig.		1,000	1,000	,423	,159

Means for groups in homogeneous subsets are displayed.

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

Lampiran 5:PROBIT ANALISIS

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.

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***** PROBIT ANALYSIS *****

Parameter estimates converged after 17 iterations.
 Optimal solution found.

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

	Regression Coeff.	Standard Error	Coeff./S.E.
Dosis	2.02388	.18201	11.11960

	Intercept	Standard Error	Intercept/S.E.
	2.65896	.14850	17.90578

Pearson Goodness-of-Fit Chi Square = 10.604 DF = 14 P = .717

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

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Observed and Expected Frequencies

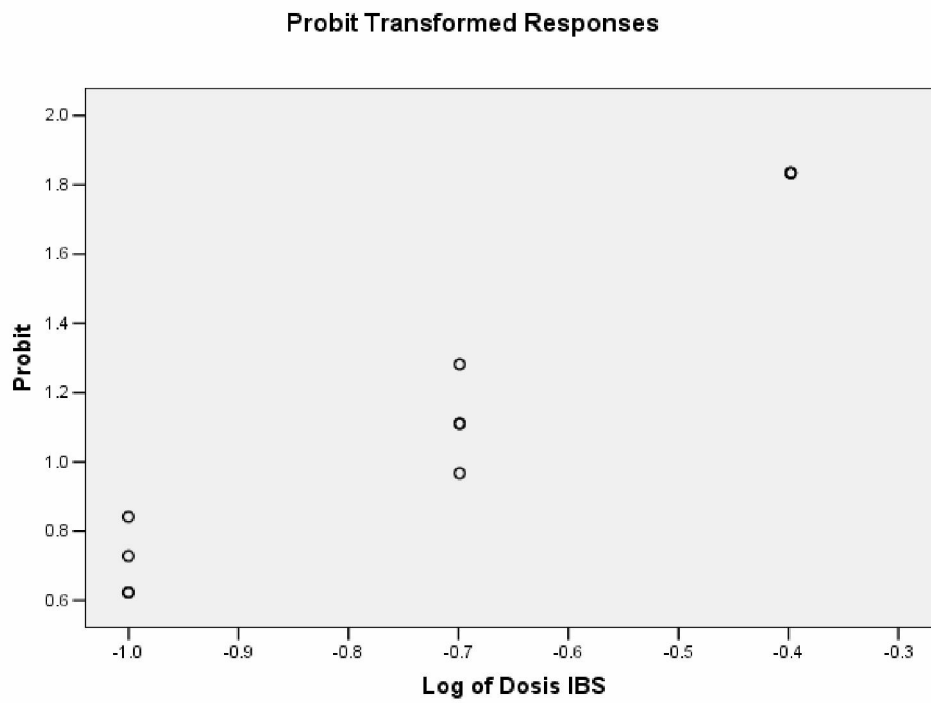
Prob	Dosis	Number of Subjects	Observed Responses	Expected Responses	Residual
.73731	-1.00	100.0	73.3	73.731	-.398
.73731	-1.00	100.0	73.3	73.731	-.398
.73731	-1.00	100.0	80.0	73.731	6.269
.73731	-1.00	100.0	76.7	73.731	2.936
.89331	-.70	100.0	86.7	89.331	-2.664
.89331	-.70	100.0	83.3	89.331	-5.998
.89331	-.70	100.0	90.0	89.331	.669
.89331	-.70	100.0	86.7	89.331	-2.664
.96810	-.40	100.0	96.7	96.810	-.143
.96810	-.40	100.0	96.7	96.810	-.143
.96810	-.40	100.0	96.7	96.810	-.143
.96810	-.40	100.0	96.7	96.810	-.143
.99311	-.10	100.0	100.0	99.311	.689
.99311	-.10	100.0	100.0	99.311	.689
.99311	-.10	100.0	100.0	99.311	.689
.99311	-.10	100.0	100.0	99.311	.689

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Confidence Limits for Effective Dosis

Prob	Dosis	95% Confidence Limits	
		Lower	Upper
.01	.00344	.00149	.00621
.02	.00469	.00216	.00809
.03	.00571	.00274	.00957
.04	.00663	.00328	.01086
.05	.00747	.00380	.01204
.06	.00828	.00430	.01314
.07	.00906	.00480	.01418
.08	.00982	.00529	.01519
.09	.01056	.00578	.01617
.10	.01130	.00627	.01713
.15	.01493	.00878	.02174
.20	.01864	.01148	.02628
.25	.02254	.01444	.03093
.30	.02674	.01774	.03581
.35	.03132	.02146	.04103
.40	.03639	.02571	.04670
.45	.04208	.03061	.05293
.50	.04855	.03633	.05991
.55	.05601	.04310	.06784
.60	.06477	.05123	.07703
.65	.07527	.06119	.08792
.70	.08817	.07368	.10122
.75	.10459	.08978	.11817
.80	.12649	.11131	.14113
.85	.15787	.14152	.17540
.90	.20865	.18753	.23537
.91	.22319	.20008	.25352
.92	.24013	.21441	.27514
.93	.26025	.23107	.30142
.94	.28472	.25092	.33415
.95	.31545	.27529	.37632
.96	.35581	.30657	.43327
.97	.41258	.34943	.51596
.98	.50230	.41513	.65192
.99	.68495	.54330	.94483



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