

Lampiran 1

LC50 Zebrafish Embryo Toxicity for Mangosteen Pericarp Ethanollic Extract

Using IBM SPSS Version 22.0

Data Information

		N of Cases
Valid		12
Rejected	Missing	0
	Number of Responses >	0
	Number of Subjects	0
Control Group		3

Convergence Information

	Number of Iterations	Optimal Solution Found
PROBIT	10	Yes

Parameter Estimates

Parameter	Estimate	Std. Error	Z	Sig.	95% Confidence Interval
					Lower Bound
PROBIT ^a perlakuan	,002	,000	10,267	,000	,001
Intercept	-1,324	,158	-8,378	,000	-1,482

Parameter Estimates

Parameter	95% Confidence Interval
	Upper Bound
PROBIT ^a perlakuan	,002
Intercept	-1,166

a. PROBIT model: $\text{PROBIT}(p) = \text{Intercept} + BX$

Chi-Square Tests

	Chi-Square	df ^b	Sig.

PROBIT	Pearson Goodness-of-Fit Test	62,948	10	,000 ^a
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- a. Since the significance level is less than ,150, a heterogeneity factor is used in the calculation of confidence limits.
- b. Statistics based on individual cases differ from statistics based on aggregated cases.

Cell Counts and Residuals

	Number	perlakuan	Number of Subjects	Observed Responses	Expected Responses	Residual
PROBIT	1	,000	30	7	2,785	4,215
	2	,000	30	6	2,785	3,215
	3	,000	30	4	2,785	1,215
	4	750,000	30	4	15,737	-11,737
	5	750,000	30	10	15,737	-5,737
	6	750,000	30	7	15,737	-8,737
	7	1000,000	30	22	20,988	1,012
	8	1000,000	30	21	20,988	,012
	9	1000,000	30	19	20,988	-1,988
	10	1250,000	30	30	25,131	4,869
	11	1250,000	30	30	25,131	4,869
	12	1250,000	30	30	25,131	4,869

Cell Counts and Residuals

	Number	Probability
PROBIT	1	,093
	2	,093
	3	,093
	4	,525
	5	,525
	6	,525
	7	,700
	8	,700
	9	,700
	10	,838
	11	,838
	12	,838

Confidence Limits

Probability	95% Confidence Limits for perlakuan		
	Estimate	Lower Bound	Upper Bound
PROBIT ^a ,010	-542,991	-2151,551	-43,703
,020	-395,387	-1831,790	56,146
,030	-301,737	-1629,481	120,065
,040	-231,288	-1477,664	168,523
,050	-173,984	-1354,459	208,224
,060	-125,208	-1249,827	242,252
,070	-82,442	-1158,292	272,294
,080	-44,149	-1076,518	299,379
,090	-9,324	-1002,319	324,182
,100	22,733	-934,180	347,174
,150	155,456	-654,121	444,423
,200	260,941	-434,815	524,990
,250	351,437	-250,168	597,608
,300	432,705	-88,360	666,832
,350	508,013	56,777	735,779
,400	579,472	188,624	807,078
,450	648,610	308,996	883,252
,500	716,651	418,862	966,815
,550	784,693	518,943	1060,165
,600	853,830	610,250	1165,403
,650	925,290	694,418	1284,381
,700	1000,597	773,741	1419,143
,750	1081,865	851,077	1572,839
,800	1172,362	929,970	1751,210
,850	1277,846	1015,425	1965,627
,900	1410,569	1116,581	2241,781
,910	1442,626	1140,270	2309,223
,920	1477,452	1165,749	2382,746
,930	1515,744	1193,494	2463,859
,940	1558,510	1224,185	2554,746
,950	1607,286	1258,857	2658,733
,960	1664,591	1299,206	2781,291

,970	1735,040	1348,331	2932,440
,980	1828,689	1412,966	3134,034
,990	1976,293	1513,657	3452,952

a. A heterogeneity factor is used.

Dari tabel diatas, dapat di lihat bahwa LC_{50} adalah pada dosis $716,651\mu\text{g/ml}$, dengan batas atas $966,815\mu\text{g/ml}$ dan batas bawah $418,862\mu\text{g/ml}$

