

PROBIT ANALYSIS

INSECT :T molitor
INSECTICIDE :ekstrak Srikaya (LD)
EXPOSURE NUMBER :3
HOURS AFTER EXPOSURE : 18
CONCENTRATIONS (ppm) = .1 5 10 25

SLOPE OF LINE (B) = .7672528 , INTERCEPT(A) = 4.728809
VARIANCE COEFFICIENT SIG AT LEAST AT 5
SQ= 24.82187 CHI SQ TABLE= 5.991 DF= 2

ANCE= .6313503
1 LDX= 4.818425E-02
LIMITS= 1.335171E-03 AND 1.738894

ANCE= .3621892
2 LDX= .1806075
LIMITS= 1.194444E-02 AND 2.730902

ANCE= .2265805
3 LDX= .4682656
LIMITS= 5.464157E-02 AND 4.01293

ANCE= .149563
4 LDX= 1.056311
LIMITS= .1844139 AND 6.050481

ANCE= .1099134
5 LDX= 2.256617
LIMITS= .5054236 AND 10.07536

VARIANCE= .1013649
.6 LDX= 4.820863
LIMITS= 1.145784 AND 20.28368

VARIANCE= .1267291
.7 LDX= 10.87486
LIMITS= 2.181135 AND 54.22063

VARIANCE= .2018456
.8 LDX= 28.19552
LIMITS= 3.711987 AND 214.1676

VARIANCE= .3871109
.9 LDX= 105.6842
LIMITS= 6.375772 AND 1751.812

VARIANCE= .6110756
.95 LDX= 314.599
LIMITS= 9.238457 AND 10713.11

PROBIT ANALYSIS

INSECT :Tenebrio molitor
INSECTICIDE :Ekstrak daun Srikaya 10%
REPLICATION NUMBER :3
HOURS AFTER EXPOSURE : 30
CONCENTRATIONS (ppm) = 6 12 18 24 30

SLOPE OF LINE (B) = 6.777384 , INTERCEPT(A) = -3.179924
HOMOGENEITY INSIGNIFICANT, CHI SQUARE = .9596615
DEGREES OF FREEDOM = 3

VARIANCE = 3.290605E-03
1.1 LDX = 10.41896
LIMITS = 8.042507 AND 13.49763

VARIANCE = 2.134881E-03
1.2 LDX = 12.10004
LIMITS = 9.822574 AND 14.90555

VARIANCE = 1.534926E-03
1.3 LDX = 13.47805
LIMITS = 11.29374 AND 16.08482

VARIANCE = 1.177406E-03
1.4 LDX = 14.77826
LIMITS = 12.65812 AND 17.25351

VARIANCE = 9.723898E-04
1.5 LDX = 16.10439
LIMITS = 13.99024 AND 18.53801

ANCE= 8.915111E-04
6 LDX= 17.54951
LIMITS= 15.33708 AND 20.08107

ANCE= 9.426401E-04
7 LDX= 19.2425
LIMITS= 16.75269 AND 22.10234

ANCE= 1.183775E-03
8 LDX= 21.43392
LIMITS= 18.35126 AND 25.03441

ANCE= 1.841857E-03
9 LDX= 24.89224
LIMITS= 20.5091 AND 30.21209

ANCE= 2.668599E-03
95 LDX= 28.16409
LIMITS= 22.3072 AND 35.55875

RESULTS OF ONE-WAY ANALYSIS OF VARIANCE (Equal Cell Size)

TREATMENT 1
 4 2
 TREATMENT 2
 3 1
 TREATMENT 3
 3 4
 TREATMENT 4
 4 5
 TREATMENT 5
 3 3
 TREATMENT 6
 2 4
 TREATMENT 7
 0 1
 TREATMENT 8
 0 0
 TREATMENT 9
 5 5

reatment 1	Mean= 2.666667	Std.Dev.= 1.1547
reatment 2	Mean= 2.333333	Std.Dev.= 1.1547
reatment 3	Mean= 3	Std.Dev.= 1
reatment 4	Mean= 4.333334	Std.Dev.= .5773508
reatment 5	Mean= 3	Std.Dev.= 0
reatment 6	Mean= 2.333333	Std.Dev.= 1.527525
reatment 7	Mean= 1	Std.Dev.= 1
reatment 8	Mean= .3333333	Std.Dev.= .5773503
reatment 9	Mean= 5	Std.Dev.= 0

treatment Sum of Squares : 50.66666
 Degrees of Freedom (trt) : 8
 treatment Mean Squares : 6.333332

Error Sum of Squares : 15.33334
 Degrees of Freedom (Err) : 18
 Error M

Sum of Squares : .8518524

F-value is : 7.434776 with 8 / 18 deg. freedom

Prob > F : 0.0002

Observations in Treatments Are Equal

Treatment 9	5	1
Treatment 4	4.333334	1 2
Treatment 3	3	2 3
Treatment 5	3	2 3
Treatment 1	2.666667	3
Treatment 2	2.333333	3 4
Treatment 6	2.333333	3 4
Treatment 7	1	4 5
Treatment 8	.3333333	5

Means which are not significantly different are followed by the same number. (Significance level = 0.05)

RESULTS OF LSD ANALYSIS FOR EQUAL TREATMENT SIZE

LSD at the 5% level is.....: 1.583298
LSD at the 1% level is.....: 2.168839