

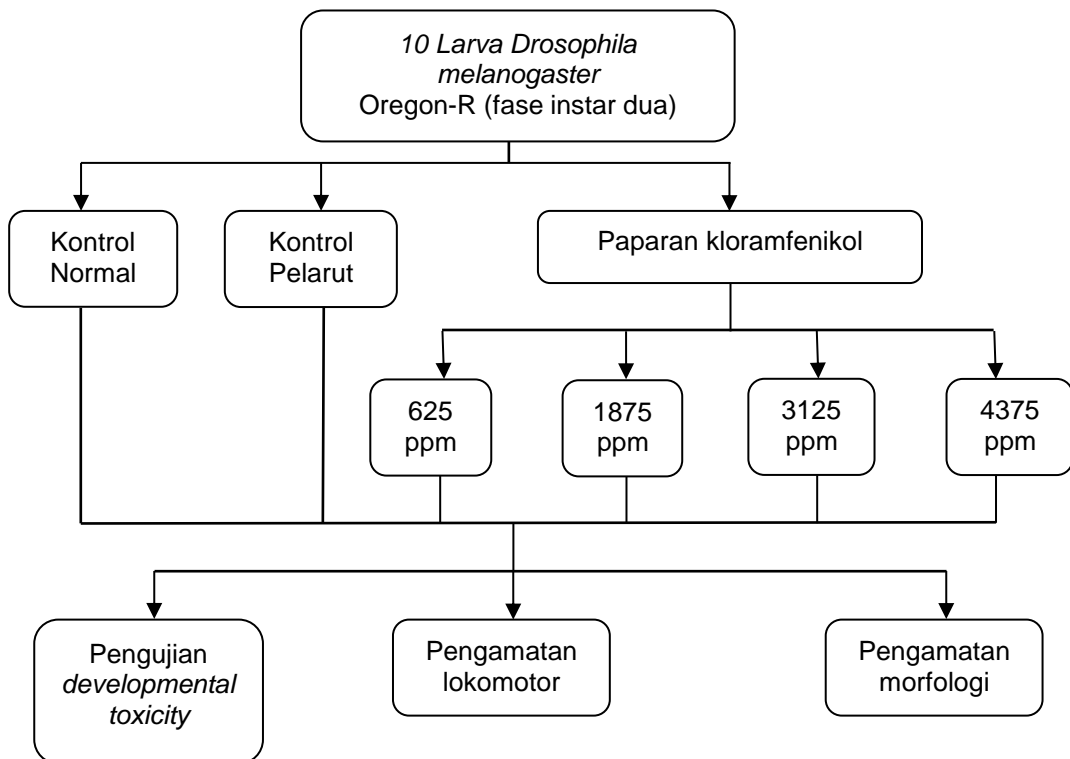
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LAMPIRAN

Lampiran 1. Skema Kerja



Lampiran 2. Perhitungan

Larutan stok Kloramfenikol 50.000 ppm

50.000 ppm = 50.000 mg/L

Untuk 10 mL, maka

50.000 ppm = 500 mg/10 mL

Ditimbang 0,5 gram Kloramfenikol

Pengenceran larutan stok Kloramfenikol 50.000 ppm ke dalam pakan *Drosophila melanogaster*

Untuk 625 ppm

$$N_1 \times V_1 = N_2 \times V_2$$

$$50.000 \times V_1 = 625 \times 5 \text{ mL}$$

$$V_1 = 0,0625 \text{ mL atau } 62,5 \text{ } \mu\text{L (ad 5 mL pakan)}$$

Untuk 1.875 ppm

$$N_1 \times V_1 = N_2 \times V_2$$

$$50.000 \times V_1 = 1875 \times 5 \text{ mL}$$

$$V_1 = 0,1875 \text{ mL atau } 187,5 \text{ } \mu\text{L (ad 5 mL pakan)}$$

Untuk 3.125 ppm

$$N_1 \times V_1 = N_2 \times V_2$$

$$50.000 \times V_1 = 3125 \times 5 \text{ mL}$$

$$V_1 = 0,3125 \text{ mL atau } 312,5 \text{ } \mu\text{L (ad 5 mL pakan)}$$

Untuk 4.375 ppm

$$N_1 \times V_1 = N_2 \times V_2$$

$$50.000 \times V_1 = 4375 \times 5 \text{ mL}$$

$$V_1 = 0,4375 \text{ mL atau } 437,5 \text{ } \mu\text{L (ad 5 mL pakan)}$$

Lampiran 3. Data Statistik

Tabel 1. Hasil *one-way anova* perkembangan larva *Drosophila melanogaster* menjadi pupa

ANOVA summary	Value
F	19.19
P value	<0.0001
P value summary	****
Significant diff among means (P<0,05)?	Yes
R square	0.8571

Tabel 2. Hasil lanjutan *Tukey's Multiple Comparison* perkembangan pupa *Drosophila melanogaster* menjadi lalat dewasa

Tukey's Multiple Comparisons Test	Mean Diff.	Summary	Adjusted P Value
KS vs. KP	0.3333	ns	0.9975
KS vs. 625 PPM	0.4167	ns	0.9905
KS vs. 1875 ppm	1.417	ns	0.3865
KS vs. 3125 ppm	3.667	**	0.0011
KS vs. 4375 ppm	5.167	****	<0.0001
KP vs. 625 PPM	0.08333	ns	>0.9999
KP vs. 1875 ppm	1.083	ns	0.6542
KP vs. 3125 ppm	3.333	**	0.0028
KP vs. 4375 ppm	4.833	****	<0.0001
625 PPM vs. 1875 ppm	1	ns	0.6568
625 PPM vs. 3125 ppm	3.25	**	0.0017
625 PPM vs. 4375 ppm	4.75	****	<0.0001
1875 ppm vs. 3125 ppm	2.25	*	0.0341
1875 ppm vs. 4375 ppm	3.75	***	0.0004
3125 ppm vs. 4375 ppm	1.5	ns	0.2569

Tabel 3. Hasil *one-way anova* perkembangan pupa *Drosophila melanogaster* menjadi lalat dewasa

ANOVA summary	Value
F	2.188
P value	0.101
P value summary	ns
Significant diff. among means (P < 0.05)?	No
R squared	0.378

Tabel 4. Hasil lanjutan *Tukey's Multiple Comparison* perkembangan pupa *Drosophila melanogaster* menjadi lalat dewasa

Tukey's Multiple Comparisons Test	Mean Diff.	Summary	Adjusted P Value
KS vs. KP	0.6	ns	0.6288
KS vs. 625 ppm	0	ns	>0.9999

KS vs. 1875 ppm	1	ns	0.2307
KS vs. 3125 ppm	0.5	ns	0.8078
KS vs. 4375 ppm	0.75	ns	0.4485
KP vs. 625 ppm	-0.6	ns	0.4846
KP vs. 1875 ppm	0.4	ns	0.8964
KP vs. 3125 ppm	-0.1	ns	0.9997
KP vs. 4375 ppm	0.15	ns	0.9979
625 ppm vs. 1875 ppm	1	ns	0.145
625 ppm vs. 3125 ppm	0.5	ns	0.7145
625 ppm vs. 4375 ppm	0.75	ns	0.3153
1875 ppm vs. 3125 ppm	-0.5	ns	0.8078
1875 ppm vs. 4375 ppm	-0.25	ns	0.9877
3125 ppm vs. 4375 ppm	0.25	ns	0.9827

Tabel 5. Hasil two-way anova: Tukey's Multiple Comparison lokomotor

Tukey's Multiple Comparisons Test	Mean Diff.	Summary	Adjusted P Value
1			
KS vs. KP	-6.667	ns	0.4759
KS vs. 625 ppm	3.333	ns	0.841
KS vs. 1875 ppm	13.33	ns	0.1674
KS vs. 3125 ppm	10	ns	0.5599
KP vs. 625 ppm	10	ns	0.5599
KP vs. 1875 ppm	20	ns	0.2138
KP vs. 3125 ppm	16.67	ns	0.1124
625 ppm vs. 1875 ppm	10	ns	0.5599
625 ppm vs. 3125 ppm	6.667	ns	0.841
1875 ppm vs. 3125 ppm	-3.333	ns	0.9924
4			
KS vs. KP	-10	ns	0.5599
KS vs. 625 ppm	0		
KS vs. 1875 ppm	13.33	ns	0.4759
KS vs. 3125 ppm	10	ns	0.5599
KP vs. 625 ppm	10	ns	0.5599
KP vs. 1875 ppm	23.33	ns	0.0599
KP vs. 3125 ppm	20	ns	0.2138
625 ppm vs. 1875 ppm	13.33	ns	0.4759
625 ppm vs. 3125 ppm	10	ns	0.5599
1875 ppm vs. 3125 ppm	-3.333	ns	0.841
7			
KS vs. KP	-10	ns	0.5599
KS vs. 625 ppm	0		
KS vs. 1875 ppm	6.667	ns	0.841

KS vs. 3125 ppm	10	ns	0.5599
KP vs. 625 ppm	10	ns	0.5599
KP vs. 1875 ppm	16.67	ns	0.5088
KP vs. 3125 ppm	20	ns	0.2138
625 ppm vs. 1875 ppm	6.667	ns	0.841
625 ppm vs. 3125 ppm	10	ns	0.5599
1875 ppm vs. 3125 ppm	3.333	ns	0.841
10			
KS vs. KP	2.533	ns	0.9958
KS vs. 625 ppm	16.67	ns	0.1674
KS vs. 1875 ppm	4.167	ns	0.9794
KS vs. 3125 ppm	3.333	ns	0.9108
KP vs. 625 ppm	14.13	ns	0.6215
KP vs. 1875 ppm	1.633	ns	0.9938
KP vs. 3125 ppm	0.8	ns	0.9997
625 ppm vs. 1875 ppm	-12.5	ns	0.5599
625 ppm vs. 3125 ppm	-13.33	ns	0.2434
1875 ppm vs. 3125 ppm	-0.8333	ns	0.9993
13			
KS vs. KP	2.533	ns	0.9958
KS vs. 625 ppm	16.67	ns	0.1674
KS vs. 1875 ppm	0	ns	>0.9999
KS vs. 3125 ppm	3.333	ns	0.9108
KP vs. 625 ppm	14.13	ns	0.6215
KP vs. 1875 ppm	-2.533	ns	0.2148
KP vs. 3125 ppm	0.8	ns	0.9997
625 ppm vs. 1875 ppm	-16.67	ns	0.4759
625 ppm vs. 3125 ppm	-13.33	ns	0.2434
1875 ppm vs. 3125 ppm	3.333	ns	0.9108
17			
KS vs. KP	3.333	ns	0.9108
KS vs. 625 ppm	-2.367	ns	0.984
KS vs. 1875 ppm	16.67	ns	0.291
KS vs. 3125 ppm	11.11	ns	0.7851
KP vs. 625 ppm	-5.7	ns	0.9418
KP vs. 1875 ppm	13.33	ns	0.4759
KP vs. 3125 ppm	7.777	ns	0.6821
625 ppm vs. 1875 ppm	19.03	ns	0.5394
625 ppm vs. 3125 ppm	13.48	ns	0.8376
1875 ppm vs. 3125 ppm	-5.557	ns	0.9759

20			
KS vs. KP	14.17	ns	0.4415
KS vs. 625 ppm	-2.973	ns	0.9574
KS vs. 1875 ppm	20.83	ns	0.2529
KS vs. 3125 ppm	0.8333	ns	0.9999
KP vs. 625 ppm	-17.14	ns	0.2872
KP vs. 1875 ppm	6.667	ns	0.841
KP vs. 3125 ppm	-13.33	ns	0.4759
625 ppm vs. 1875 ppm	23.81	ns	0.3768
625 ppm vs. 3125 ppm	3.807	ns	0.4759
1875 ppm vs. 3125 ppm	-20	ns	0.5599
23			
KS vs. KP	19.04	ns	0.5388
KS vs. 625 ppm	4.763	ns	0.841
KS vs. 1875 ppm	12.38	ns	0.8918
KS vs. 3125 ppm	5.71	ns	0.9414
KP vs. 625 ppm	-14.28	ns	0.3753
KP vs. 1875 ppm	-6.667	ns	0.841
KP vs. 3125 ppm	-13.33	ns	0.4759
625 ppm vs. 1875 ppm	7.613	ns	0.9212
625 ppm vs. 3125 ppm	0.9467	ns	0.9993
1875 ppm vs. 3125 ppm	-6.667	ns	0.841

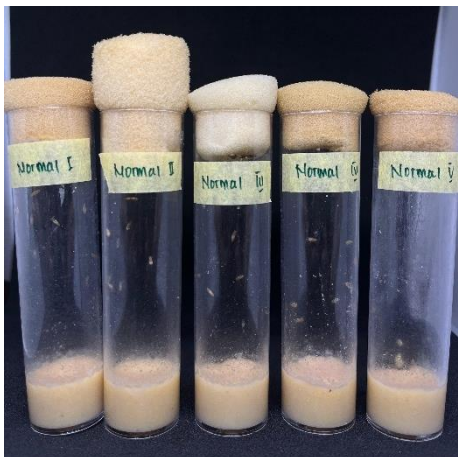
Lampiran 4. Dokumentasi Penelitian



Gambar 7. Pembuatan pakan normal



Gambar 8. Pembuatan pakan perlakuan



Gambar 9. Pengamatan uji developmental toxicity dan lokomotor



Gambar 10. Pengamatan morfologi mata, sayap, dan kaki menggunakan mikroskop