

## DAFTAR PUSTAKA

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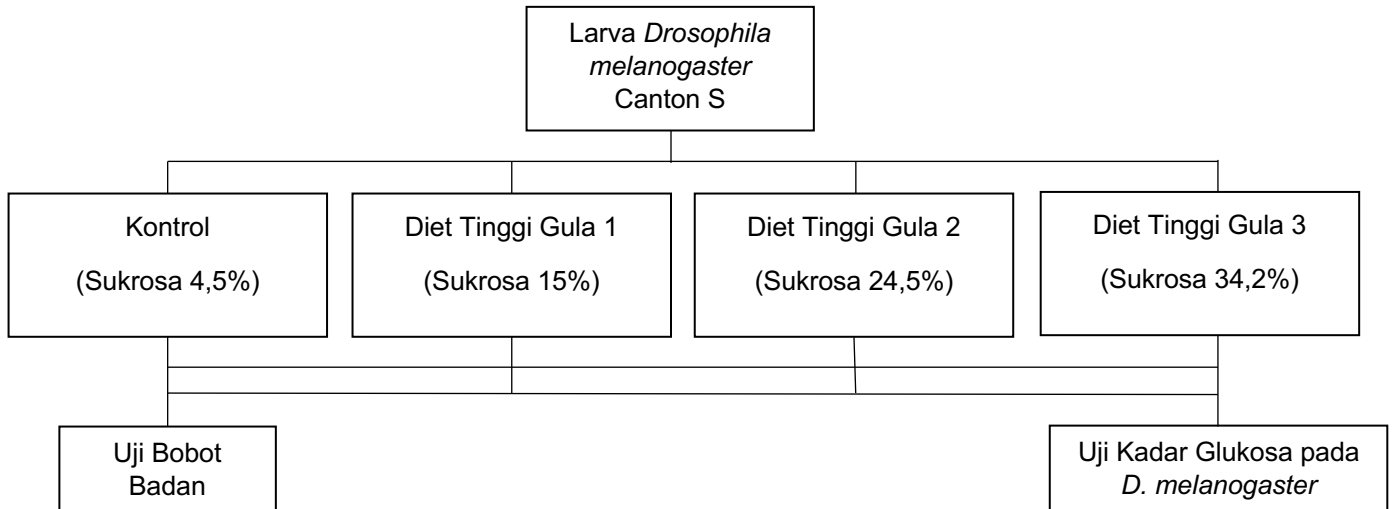
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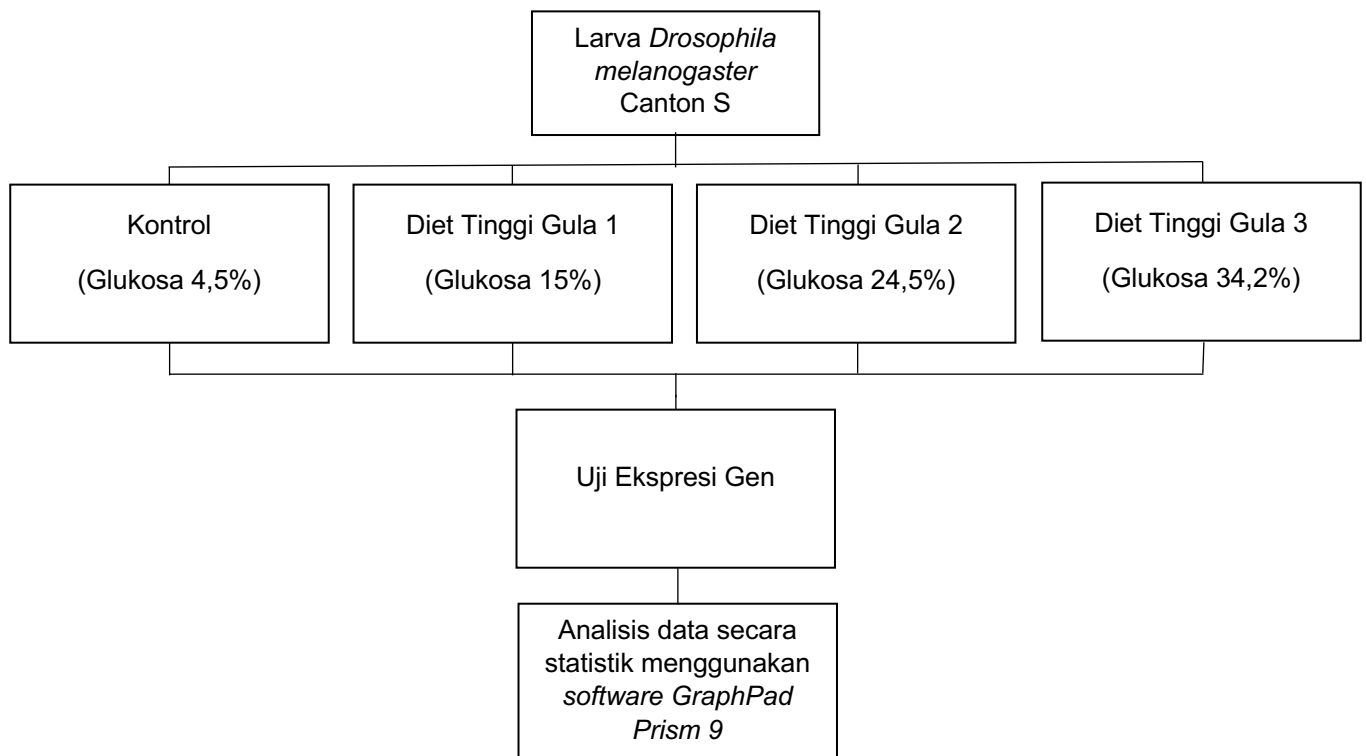
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## LAMPIRAN

### Lampiran 1. Skema kerja perlakuan uji



### Lampiran 2. Skema kerja analisis ekspresi gen



### Lampiran 3. Data statistik

**Tabel 3. Hasil uji kadar glukosa pada *D. melanogaster***

No.	Kelompok (Kadar Sukrosa)	Kadar Glukosa (mg/dL)		
		Replikasi 1	Replikasi 2	Replikasi 3
1.	Kontrol (4,5%)	40	44	50
2.	DTG 1 (15%)	62	69	69
3.	DTG 2 (24,5%)	172	170	176

**Tabel 4. Hasil *one-way anova* uji kadar glukosa pada *D. melanogaster***

<i>ANOVA summary</i>	<i>Value</i>
F	826,6
P value	<0,0001
P summary	****
Significant diff. among means (P < 0,05)	Yes
R squared	0,9964

**Tabel 5. Hasil uji lanjutan *Tukey* uji kadar glukosa pada *D. melanogaster***

<i>Tukey's Multiple Comparisons Test</i>	<i>Mean Diff.</i>	<i>Summary</i>	<i>Adjusted P Value</i>
Kontrol vs. DTG 1	-22,00	**	0,0015
Kontrol vs. DTG 2	-128,0	****	<0,0001
DTG 1 vs. DTG 2	-106,0	****	<0,0001

**Tabel 6. Hasil pengukuran panjang badan larva**

No.	Kelompok (Kadar Sukrosa)	Panjang Badan (mm)		
		1	2	3
1.	Kontrol (4,5%)	4,78	4,61	4,77
2.	DTG 1 (15%)	3,90	3,90	3,90
3.	DTG 2 (24,5%)	3,1	2,9	3,2

**Tabel 7. Hasil *one-way anova* pengukuran panjang badan larva**

<i>ANOVA summary</i>	<i>Value</i>
F	170,8
P value	<0,0001
P summary	****
Significant diff. among means (P < 0,05)	Yes
R squared	0,9827

**Tabel 8. Hasil uji lanjutan *Tukey* pengukuran panjang badan larva**

<i>Tukey's Multiple Comparisons Test</i>	<i>Mean Diff.</i>	<i>Summary</i>	<i>Adjusted P Value</i>
Kontrol vs. DTG 1	0,8133	***	0,0002
Kontrol vs. DTG 2	1,657	****	<0,0001
DTG 1 vs. DTG 2	0,8433	***	0,0002

**Tabel 9. Hasil pengukuran berat badan larva**

No.	Kelompok (Kadar Sukrosa)	Berat Badan (g)		
		1	2	3
1.	Kontrol (4,5%)	0,0038	0,0041	0,0045
2.	DTG 1 (15%)	0,0021	0,0020	0,0020
3.	DTG 2 (24,5%)	0,0013	0,0014	0,0015

**Tabel 10. Hasil one-way anova pengukuran berat badan larva**

<i>ANOVA summary</i>	<i>Value</i>
F	134,8
P value	<0,0001
P summary	****
Significant diff. among means (P < 0,05)	Yes
R squared	0,9782

**Tabel 11. Hasil uji lanjutan Tukey pengukuran berat badan larva**

Tukey's Multiple Comparisons Test	Mean Diff.	Summary	Adjusted P Value
Kontrol vs. DTG 1	0,002100	****	<0,0001
Kontrol vs. DTG 2	0,002733	****	<0,0001
DTG 1 vs. DTG 2	0,0006333	*	0,0254

**Tabel 12. Hasil one-way anova ekspresi gen *pepck***

<i>ANOVA summary</i>	<i>Value</i>
F	7,473
P value	0,0683
P summary	ns
Significant diff. among means (P < 0,05)	Yes
R squared	0,8328

**Tabel 13. Hasil uji lanjutan Tukey ekspresi gen *pepck***

Tukey's Multiple Comparisons Test	Mean Diff.	Summary	Adjusted P Value
Kontrol vs. DTG1	0,9200	≠	0,0802
Kontrol vs. DTG2	0,06500	≠	0,9679
DTG1 vs. DTG2	-0,8550	≠	0,0957

**Tabel 14. Hasil one-way anova ekspresi gen *srl***

<i>ANOVA summary</i>	<i>Value</i>
F	71,44
P value	0,0029
P summary	**
Significant diff. among means (P < 0,05)	Yes
R squared	0,9794

**Tabel 15. Hasil uji lanjutan *Tukey* ekspresi gen *srl***

<b>Tukey's Multiple Comparisons Test</b>	<b>Mean Diff.</b>	<b>Summary</b>	<b>Adjusted P Value</b>
Kontrol vs. DTG1	0,08850	**	0,0075
Kontrol vs. DTG2	0,1240	**	0,0028
DTG1 vs. DTG2	0,03550	≠	0,0887



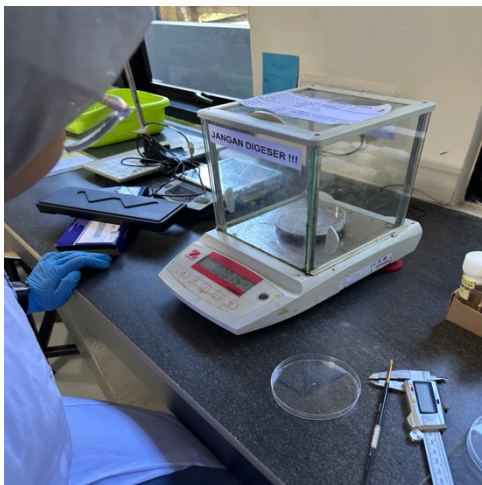
#### Lampiran 4. Dokumentasi



Gambar 10. Pembuatan pakan



Gambar 11. Pengukuran panjang badan larva



Gambar 12. Pengukuran berat badan larva



Gambar 13. Uji kadar glukosa pada *D. melanogaster*



Gambar 14. Isolasi RNA



Gambar 15. Pengujian ekspresi gen