

**Lampiran 4 .Analisis ragam dan uji F level triptofan daging buah pisang  
muli**

**Tabel 12. Kelompok perlakuan**

a <sub>1</sub> = Kontrol			a <sub>2</sub> = perlakuan		
	a <sub>1</sub> b <sub>1</sub> = kontrol 4HSp	a <sub>1</sub> b <sub>2</sub> = kontrol 8HSP	a <sub>2</sub> b <sub>1</sub> = perlakuan 4HSP	a <sub>2</sub> b <sub>2</sub> = perlakuan 8 HSP	
	0.514	0.964	0.548	0.975	
	0.598	0.972	0.907	0.742	
	0.469	0.823	0.73	0.857	
	0.656	0.918	0.617	0.923	
	0.469	0.835	0.856	0.932	
	0.549	0.707	0.522	0.92	
	0.649	0.685	0.737	0.764	
	0.509	0.908	0.727	0.79	Total
Σ Y	4.413	6.812	5.644	6.903	23.772
ΣY <sup>2</sup>	2.473741	5.884896	4.11346	6.010387	18.48248
ΣY <sup>2</sup>	19.47457	46.40334	31.85474	47.65141	145.3841

**Tabel 13. Total perlakuan**

Total Perlakuan

Faktor		A= Perlakuan		
B= Waktu pengukuran	Level	a <sub>1</sub> = control	a <sub>2</sub> = perlakuan	Total
	b <sub>1</sub> = 4HSP	4.413	5.644	10.057
	b <sub>2</sub> = 8HSP	6.812	6.903	13.715
	Total	11.225	12.547	23.772

$$\text{Faktor koreksi} = (23.772)^2 / 32 = 17.65962$$

$$\text{Jumlah kuadrat total} = 18.48248 - 17.65962 = 0.822859$$

$$\text{Jumlah kuadrat perlakuan} = (145.3841)^2 / 8 - 17.65962 = 0.513383$$

$$\text{Jumlah kuadrat error} = 0.822859 - 0.513383 = 0.309477$$

$$\text{JK (A)} = \{(11.225)^2 + (12.547)^2\} / 16 - 17.65962 = 0.418155$$

$$\text{JK (B)} = \{(10.057)^2 + (13.715)^2\} / 16 - 17.65962 = 0.054615$$

$$\text{JK (AB)} = 0.513383 - 0.418155 - 0.054615 = 0.040613$$

**Tabel 14. Analisis ragam kandungan triptofan daging buah pisang muli**

Sumber keragaman	db	JK	JKT	F hit	F table
Treatments	3	0.513383			
A	1	0.418155	0.418155	37.83*	4.2
B	1	0.054615	0.054615	4.94*	4.2
AB	1	0.040613	0.040613	3.67	4.2
Error	28	0.309477	0.011053		
Total	31	0.822859			

$$\text{JK (A dalam } b_1) = (5.644 - 4.413)^2 / 16 = 0.09471$$

$$JK (A \text{ dalam } b_2) = (6.903 - 6.812)^2 / 16 = 0.000518$$

$$JK (B \text{ dalam } a_1) = (6.812 - 4.413)^2 / 16 = 0.3597$$

$$Jk (B \text{ dalam } a_2) = (6.903 - 5.644)^2 / 16 = 0.099068$$

**Tabel 15. Uji F**

Treatments comparison	Db	JKT	F hitung	F Tabel
Antar waktu dalam kontrol	1	0.3597	32.54*	4.2
Antar waktu dalam perlakuan	1	0.099068	8.96*	4.2
Antar level cahaya , 4 HSP	1	0.09471	8.56*	4.2
Antar level cahaya , 8 HSP	1	0.000518	0.04	4.2