

LAMPIRAN - LAMPIRAN



Lampiran 1. Ansira Dan Uji BNT Untuk Data Berat Basah Jamur

Tabel 14. Data Berat Basah Jamur Pada Ketiga Jenis Media

Media	Berat Basah Jamur (gr/0,0625 m ³ volume petak)								Total	Rerata
	R1	R2	R3	R4	R5	R6	R7	R8	(T)	
Mj	334,23	295,25	273,94	257,49	406,26	331,5	389,32	282,21	2570,2	321,28
Mp	210,93	181,55	268,31	246,75	204,97	157,91	218,45	174,32	1663,19	207,90
Mk	139,24	99,61	183,29	116,78	161,26	208,07	163,32	126,01	1197,58	149,70
							Jml		5430,97	
									Rerata	226,29

Sumber : Data primer oleh Ratriasih tahun 1997

Analisis data :

$$db \text{ total} = (rt) - 1 = 23$$

$$db \text{ perlakuan} = (t - 1) = 3 - 1 = 2$$

$$db \text{ galat} = t (r - 1) = 3 (8 - 1) = 21$$

$$FK = \frac{(5430,97)^2}{24} = 1228976,5$$

$$\begin{aligned} JK \text{ Total} &= JK (X_{ij}) = \sum X^2 i - FK \\ &= [(334,23)^2 + (295,25)^2 + \dots + (126,01)^2] - 1228976,5 \\ &= 1390155,2 - 1228976,5 \\ &= 161178,72 \end{aligned}$$

$$\begin{aligned} JK \text{ Perlakuan} &= \frac{JK (T_i)}{r} = \sum T_i^2 - FK \\ &= 1/8 [(2570,2)^2 + (1663,19)^2 + (1197,58)^2] - 1228976,5 \\ &= 1350790,9 - 1228976,5 \\ &= 121814,36 \end{aligned}$$

$$\begin{aligned} JK \text{ Galat} &= JK (X_i) - JK (T_i) \\ &= JK \text{ Total} - JK \text{ Perlakuan} \\ &= 161178,72 - 121814,36 \\ &= 39364,36 \end{aligned}$$

$$KT \text{ Perlakuan} = \frac{JK (T_i)}{t - 1} = \frac{121814,36}{2} = 60907,18$$

$$KT \text{ Galat} = \frac{JK \text{ Galat}}{t(r-1)} = \frac{39364}{21} = 1874,4933$$

$$F \text{ hitung} = \frac{KT \text{ Perlakuan}}{KT \text{ Galat}} = \frac{60907,18}{1874,4933} = 34,04$$

$$F \text{ tabel } (f_1, f_2) 5\% = 3,47$$

$$\begin{aligned} \text{Koefisien Keragaman (KK)} &= \frac{\sqrt{KT \text{ Galat}}}{\text{Rerata total}} \times 100\% \\ &= \frac{\sqrt{1874,4933}}{226,29042} \times 100\% \\ &= 19,13\% \end{aligned}$$

Uji lanjutan : Uji BNT untuk data berat basah jamur

$$\begin{aligned} \text{BNT } 5\% &= t(\text{DBG}, 5\%) \times \sqrt{\frac{2 \text{ KTG}}{r}} = 2,08 \times \sqrt{\frac{2 \times 1874,4933}{8}} \\ &= 2,08 \times 21,647709 \\ &= 45,027236 \end{aligned}$$



Lampiran 2. Ansira Dan Uji BNT Untuk Data Berat Kering Jamur

Tabel 15. Data Berat Kering Jamur Pada Ketiga Jenis Media

Media	Berat Kering Jamur (gr/0,0625 m ³ volume petak)								Total	Rerata
	R1	R2	R3	R4	R5	R6	R7	R8	(T)	
Mj	34,16	30,08	27,05	26,14	41,05	33,19	40,01	29,17	260,85	32,61
Mp	21,84	18,78	27,43	25,55	20,86	16,71	22,1	17,92	171,19	21,40
Mk	14,96	10,57	19,6	12,34	17,21	22,63	17,78	13,57	128,66	16,08
							Jmi		560,7	
									Rerata	23,36

Sumber : Data primer oleh Ratriasih tahun 1997

$$FK = \frac{(560,7)^2}{24} = 13099,354$$

$$\begin{aligned} JK \text{ Total} &= [(34,16)^2 + (30,08)^2 + \dots + (13,57)^2] - 13099,354 \\ &= 14664,4 - 13099,354 \\ &= 1565,0456 \end{aligned}$$

$$\begin{aligned} JK \text{ Perlakuan} &= 1/8 [(260,850^2 + (171,19)^2 + (128,66)^2] - 13099,354 \\ &= 14237,767 - 13099,354 \\ &= 1138,4129 \end{aligned}$$

$$\begin{aligned} JK \text{ Galat} &= JK \text{ Total} - JK \text{ Perlakuan} \\ &= 1565,0456 - 1138,4129 \\ &= 426,6327 \end{aligned}$$

$$\begin{aligned} KT \text{ Perlakuan} &= \frac{JK \text{ perlakuan}}{t - 1} = \frac{1138,4129}{2} \\ &= 569,20645 \end{aligned}$$

$$\begin{aligned} KT \text{ Galat} &= \frac{JK \text{ Galat}}{t (r - 1)} = \frac{426,6327}{21} \\ &= 20,315843 \end{aligned}$$

$$\begin{aligned} F \text{ Hitung} &= \frac{KT \text{ Perlakuan}}{KT \text{ Galat}} = \frac{569,20645}{20,315843} \\ &= 28,02 \end{aligned}$$

$$F \text{ tabel } 5\% = 3,47$$

$$\begin{aligned} KK &= \frac{\sqrt{KTG}}{\text{rerata total}} \times 100\% \\ &= \frac{\sqrt{20,315843}}{23,3625} \times 100\% \\ &= 19,29\% \end{aligned}$$

Uji BNT untuk data berat kering jamur :

$$\begin{aligned} \text{BNT } 5\% &= t(\text{DBG}, 5\%) \times \sqrt{\frac{2 \text{ KTG}}{r}} = 2,08 \times \sqrt{\frac{2 \times 20,315843}{8}} \\ &= 2,08 \times 2,253655 \\ &= 4,69 \end{aligned}$$



Lampiran 3. Ansira Dan Uji BNT Untuk Data Lama Masa Panen Jamur

Tabel 16. Data Lama Masa Panen Jamur Pada Ketiga Jenis Media

Media	Lama masa panen (hari)								Total	Rerata
	R1	R2	R3	R4	R5	R6	R7	R8	(T)	
M1	9	8	8	9	7	8	10	8	67	8,375
M2	9	5	10	8	4	8	7	7	58	7,25
M3	4	5	8	6	5	7	6	7	48	6
								Jml	173	
									Rerata	7,20833

Sumber : Data primer oleh Ratriasih tahun 1997

$$FK = \frac{T_{ij}^2}{rt} = \frac{173^2}{24} = 1247,0417$$

$$\begin{aligned} JK \text{ Total} &= (9^2 + 8^2 + \dots + 7^2) - 1247,0417 \\ &= 1315 - 1247,0417 \\ &= 67,9583 \end{aligned}$$

$$\begin{aligned} JK \text{ Perlakuan} &= 1/8 (67^2 + 58^2 + 48^2) - 1247,0417 \\ &= 1269,625 - 1247,0417 \\ &= 22,5833 \end{aligned}$$

$$\begin{aligned} JK \text{ Galat} &= JK \text{ Total} - JK \text{ Perlakuan} \\ &= 67,9583 - 22,5833 \\ &= 45,375 \end{aligned}$$

$$\begin{aligned} KT \text{ Perlakuan} &= \frac{JK \text{ Perlakuan}}{t - 1} = \frac{22,5833}{2} \\ &= 11,29165 \end{aligned}$$

$$\begin{aligned} KT \text{ Galat} &= \frac{JK \text{ Galat}}{t (r - 1)} = \frac{45,375}{21} \\ &= 2,1607143 \end{aligned}$$

$$\begin{aligned} F \text{ Hitung} &= \frac{KT \text{ Perlakuan}}{KT \text{ Galat}} = \frac{11,29165}{2,1607143} \\ &= 5,23 \end{aligned}$$

F tabel 5% = 3,47

$$\begin{aligned} \text{KK} &= \frac{\sqrt{\text{KTG}}}{\text{rerata total}} \times 100\% = \frac{\sqrt{2,1607143}}{7,20833} \times 100\% \\ &= 20,39\% \end{aligned}$$

Uji BNT : untuk data lama masa panen :

$$\begin{aligned} \text{BNT } 5\% &= t (\text{DBG, } 5\%) \times \sqrt{\frac{2 \text{ KTG}}{r}} = 2,08 \times \sqrt{\frac{2 \times 2,1607143}{8}} \\ &= 2,08 \times 0,7349684 \\ &= 1,5287343 \end{aligned}$$



Lampiran 4. Ansira Dan Uji BNT Untuk Data Kandungan Air Jamur

Tabel 17. Data Kandungan Air Hasil Panenan Jamur

Media	Kandungan Air Hasil Panenan Jamur (%)								Total	Rata - rata
	R1	R2	R3	R4	R5	R6	R7	R8		
Mj	89,780	89,812	90,126	89,848	89,896	89,988	89,723	89,664	718,837	89,855
Mp	89,646	89,656	89,777	89,645	89,823	89,418	89,883	89,770	717,618	89,702
Mk	89,256	89,389	89,307	89,433	89,328	89,124	89,113	89,231	714,181	89,273
Jml									2150,636	
Rerata										89,610

Sumber : Data primer oleh Ratriasih tahun 1997

$$\text{Faktor Koreksi (FK)} = \frac{(2150,636)^2}{24} = 192718,13$$

$$\begin{aligned} \text{JK Total} &= (89,780^2 + 89,812^2 + \dots + 89,231^2) - \text{FK} \\ &= 192719,98 - 192718,13 \\ &= 1,85 \end{aligned}$$

$$\begin{aligned} \text{JK Perlakuan} &= \frac{718,837^2 + 717,618^2 + 89,231^2}{8} - \text{FK} \\ &= 192719,59 - 192718,13 \\ &= 1,46 \end{aligned}$$

$$\begin{aligned} \text{JK Galat} &= \text{JKT} - \text{JKP} \\ &= 1,85 - 1,46 \\ &= 0,39 \end{aligned}$$

$$\begin{aligned} \text{KT Perlakuan} &= \frac{\text{JK Perlakuan}}{t - 1} = \frac{1,46}{2} \\ &= 0,73 \end{aligned}$$

$$\begin{aligned} \text{KT Galat} &= \frac{\text{JK Galat}}{t(r - 1)} = \frac{0,39}{21} \\ &= 0,02 \end{aligned}$$

$$\begin{aligned}
 F \text{ Hitung} &= \frac{KT \text{ Perlakuan}}{KT \text{ Galat}} = \frac{0,73}{0,02} \\
 &= 36,5
 \end{aligned}$$

F tabel 5% = 3,4

$$\begin{aligned}
 KK = \frac{\sqrt{KTG}}{\text{rerata total}} \times 100\% &= \frac{\sqrt{0,02}}{89,610} \times 100\% \\
 &= 0,15\%
 \end{aligned}$$

Uji BNT untuk data kandungan air :

$$\begin{aligned}
 BNT \ 5\% &= t(\text{DBG}, 5\%) \times \sqrt{\frac{2 \text{ KTG}}{r}} = 2,08 \times \sqrt{\frac{2 \times 0,02}{8}} \\
 &= 2,08 \times 0,07 \\
 &= 0,146
 \end{aligned}$$



Lampiran 5. Kondisi pH Media

Tabel 18. Data pH Media Selama Penanaman Jamur

Hari Ke -	pH Media Selama Penanaman Jamur		
	Mj	Mp	Mk
1 - 4	6,5 - 7,5	6,4 - 7,6	6,5 - 7,5
5 - 8	6,5 - 7,4	6,4 - 7,5	6,5 - 7,5
9 - 12	6,4 - 7,4	6,4 - 7,5	6,4 - 7,4
13 - 16	6,4 - 7,4	6,3 - 7,4	6,3 - 7,4
17 - 21	6,4 - 7,3	6,3 - 7,3	6,3 - 7,4

Sumber : Data primer oleh Ratriasih tahun 1997



Lampiran 6. Suhu dan Kelembaban Ruangan Budidaya Jamur

Tabel 19. Data Suhu dan Kelembaban Ruangan Budidaya Jamur

Hari Ke -	Suhu Ruangan (0°C)		Kelembaban Ruangan (%)	
	Kisaran	Rata-rata	Kisaran	Rata-rata
1 - 4	28 - 31	30	84 - 86	85
5 - 8	27 - 32	30	85 - 91	87
9 -12	27 - 32	30	85 - 90	88
13 - 16	26 - 30	28	84 - 88	86
17 -21	26 - 29	28	84 - 89	86

Sumber : Data primer oleh Ratriasih tahun 1997

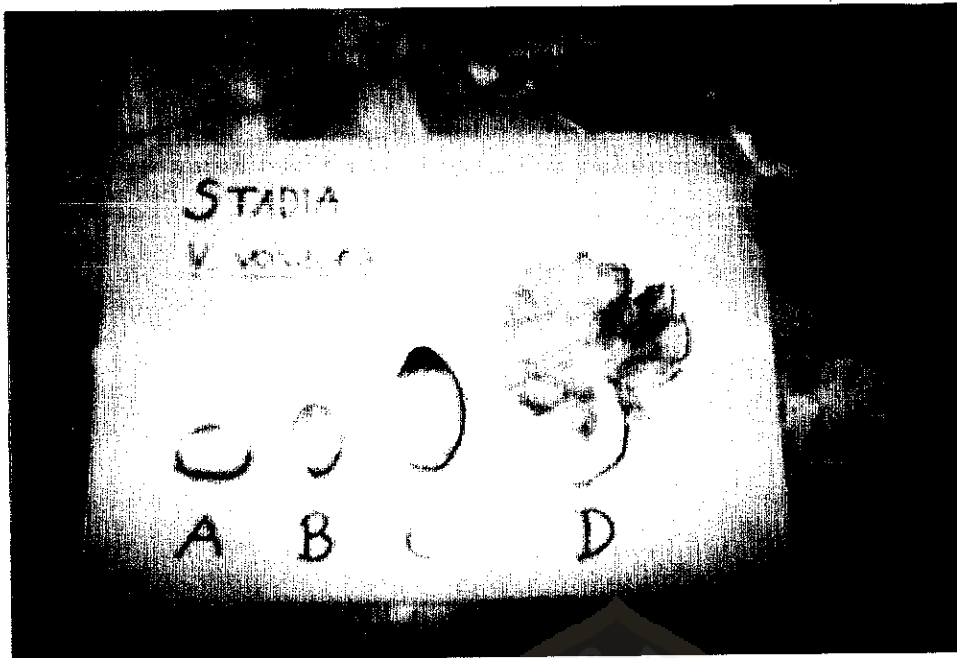


Lampiran 7. Foto- Foto Penelitian

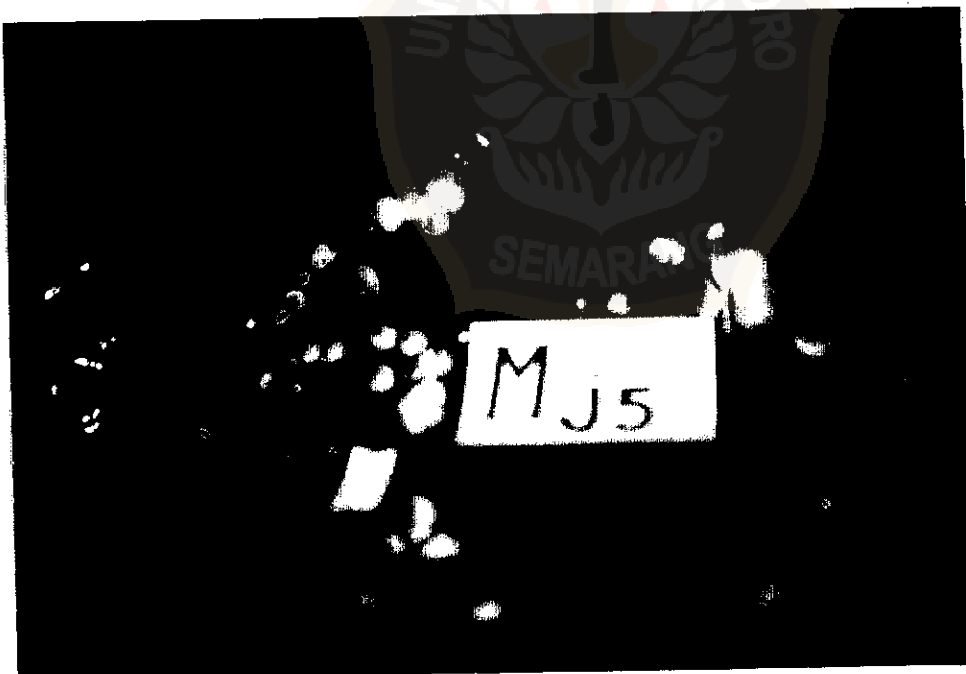


Gambar 06. Satu Unit Alat Perlengkapan Pasteurisasi

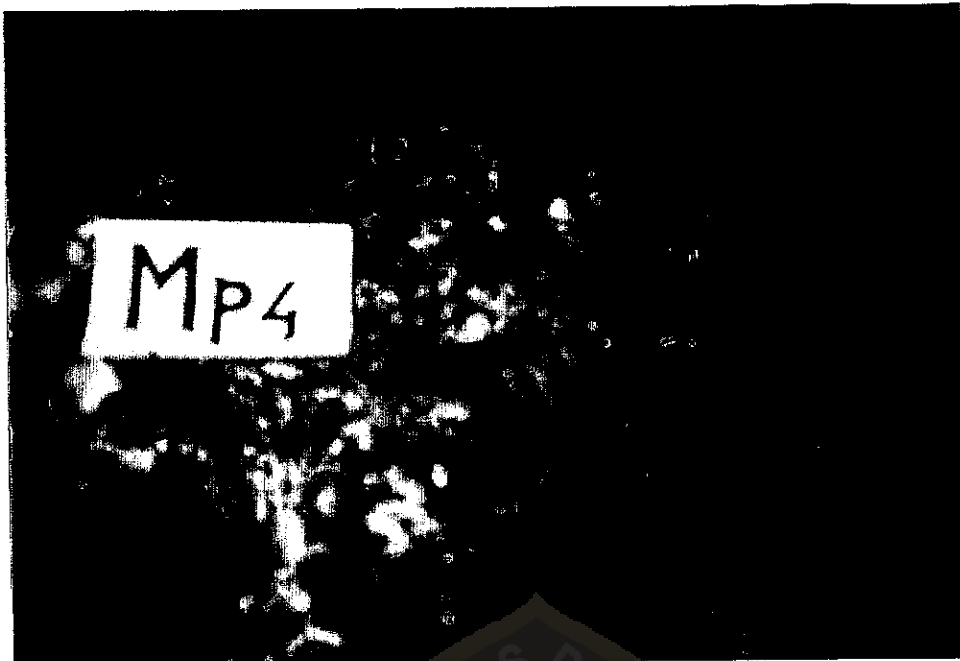
Gambar 07. Bibit *V. volvacea*



Gambar 08. *Stadia V. volvacea*
 (A = kancing, B = telur, C = perpanjangan, D = dewasa)



Gambar 09. *V. volvacea* Stadia Kancing Siap Panen Pada Media Jerami



Gambar 10. *V. volvacea* Stadia Kancing Siap Panen Pada Media Daun Pisang



Gambar 11. *V. volvacea* Stadia Kancing Siap Panen Pada Media Sabut Kelapa