

Lampiran 1. Dokumentasi Penelitian



gambar 3. M1 TKKS dengan dosis 85 g



gambar 4 M2Serat mesocarp dengan dosis 85 g



Gambar 5. M3: Kombinasi TKKS 50 g + serat mesocarp 35 g



gambar 6. M4 Kombinasi serat mesocarp 50 g + TKKS 35 g



gambar 7. pemberian pupuk rock phospate (rp) dengan dosis 50 g



gambar 8. Pengukuran diameter batang minggu ke 5



gambar 9. mengukur tinggi tanaman





Gambar.11 bibit dengan kode M3 setelah di aplikasikan mulsa



Gambar. 12 bibit dengan kode M4 setelah di aplikasikan mulsa



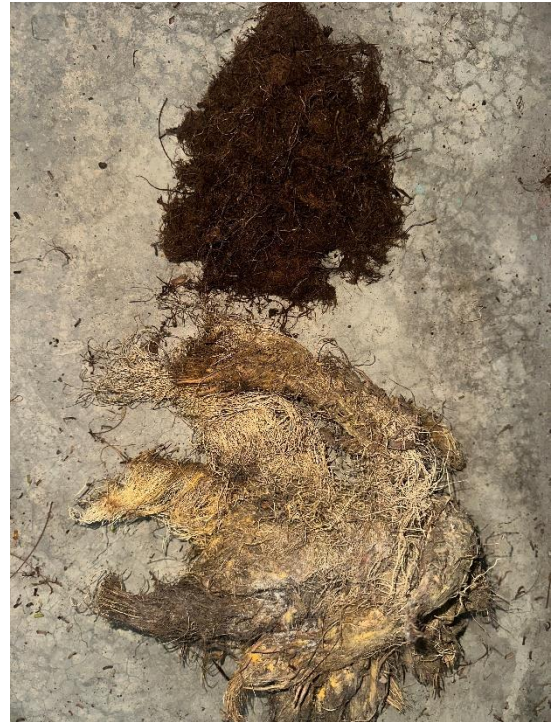
Gambar 13. bibit dengan kode M0 tanpa kontrol



gambar 14. Kondisi bibit minggu pertama 1



Gambar 15. pengukuran diameter batang minggu ke 3



Gambar 16. TKKS dan mesocarp fiber 1



Gambar 17. bibit dengan kode M01 setelah diaplikasikan mulsa



Gambar 18. Kondisi bibit pada Minggu ke 7



Gambar 19. Tata letak perlakuan bibit kelapa sawit



Gambar 20. Akar Basah



Gambar 21. Penimbangan Akar Basah

	A	B	C	D	E
3	Data Diameter Batang				
4	Kod	M1	M3	M5	M7
5	M01	20.69	24.03	33.74	37.96
6	M02	15.73	24.09	30.08	42.04
7	M03	18.73	29.3	32.98	37.06
8	M04	15.62	25.36	31.92	40.16
9	M05	20.17	28.55	31.06	37.06
10	M11	20.8	32.47	36.09	39.56
11	M12	22.86	28.11	38.6	43.67
12	M13	23.84	29.3	36.48	41.7
13	M14	16.86	25.17	29.58	37.78
14	M15	20.74	27.1	32.53	42.3
15	M21	23.25	27.53	35.76	38.91
16	M22	13.84	22.03	27	31.25
17	M23	17.41	22.94	28.77	36.64
18	M24	15.1	26.11	32.57	39.49
19	M25	17.6	27.4	33.82	43.39
20	M31	19.76	24.9	31.9	38.14
21	M32	26.84	30.5	38.41	40.2
22	M33	23.05	26.62	36.78	41
23	M34	18.82	23.82	33.18	34.69
24	M35	16.37	20.98	26.09	35.59
25	M41	21.78	29.01	37.51	40
26	M42	20.13	32.78	38.08	46.75
27	M43	18.69	22.19	32.96	39.42
28	M44	26.25	32.52	40.8	48.8
29	M45	23.05	29.53	33.98	43.7

Gambar 22. Data Diameter Batang

	A	B	C	D
1				
2	Jumlah perlakuan (t) = 5 (M0, M1,M2,M3,M4)			
3	Jumlah Ulangan ^o = 5			
4	Total Pengamatan (N) = 25			
5				
6	Jumlah setiap Percobaan			
7	M0 = 116.42+111.94+110.87+113.06+116.84 = 557.13			
8	M1 = 128.92 + 133.24 + 131.32 +109. 39 + 122.67 = 625.54			
9	M2= 125.45 + 94.12 + 105. 76 + 113.27 + 122.21 = 560.81			
10	M3 = 114.70 + 135.95 + 127.45 + 110.51 + 99.03 = 587.64			
11	M4 = 128.30 + 143.74 + 113.26 + 148.37 + 130.26 = 663.93			
12				
13		$\Sigma Y = 577.13 + 625.54 + 560.81 + 587.64 + 663.93 = 3015.05$		
14				
15		$FK = \frac{(\Sigma Y)^2}{N}$		
16				
17				
18		$FK = \frac{(3015.05)^2}{25} = 363633.04$		
19				
20				
21				
22		$JK_{Total} = \sum Y^2 - FK$		
23				
24				
25		$JK_{Total} = 366683.04 - 363633.04 = 3050.00$		

Gambar 23. Anova Diameter Batang

	$JK_{Perlakuan} = \frac{\sum T_i^2}{r} - FK$	
	$= \frac{(577.13^2 + 625.54^2 + 560.81^2 + 587.64^2 + 663.93^2)}{5} - 363633.04$	
	$= 365011.24 - 363633.04 = 1378.20$	
	$JK_{Galat} = JK_{Total} - JK_{Perlakuan}$	
	$= 3050.00 - 1378.20 = 1671.80$	
	$KT_{Perlakuan} = \frac{1378.20}{4} = 344.55$	
	$KT_{Galat} = \frac{1671.80}{20} = 83.59$	
	$F = \frac{KT_{Perlakuan}}{KT_{Galat}}$	
	$F = \frac{344.55}{83.59} = 4.12$	

Gambar 24. Anova Diameter Batang

Hasil Uji Tukey BNJ 5% Diameter Batang	
Ktgalat = 83,59	
Ulangan (r) =5	
Jumlah Perlakuan (t) = 5	
db galat = 20	

$$BNJ = q \times \sqrt{\frac{KT \text{ galat}}{r}}$$

$$BNJ = 4,11 \times \sqrt{\frac{83,59}{5}}$$

$$BNJ = 4,11 \times \sqrt{16,72}$$

$$BNJ = 4,11 \times 4,09 = 16,81$$

Gambar 25. Hasil Uji Tukey BNJ 5% Diameter Batang

	A	B	C	D
2				
3	Anova Tinggi Tanaman			
4	Jumlah perlakuan (t) = 5			
5	Jumlah Ulangan (r) = 5			
6	Jumlah data (N) = 25			
7				
8	Jumlah setiap perlakuan			
9	M0 = 81 + 85 + 79 + 86 + 82 = 413			
10	M1 = 82 + 86 + 82 + 80 + 81 = 411			
11	M2 = 81 + 85 + 78 + 83 + 82 = 409			
12	M3 = 83 + 87 + 79 + 84 + 83 = 416			
13	M4 = 82 + 80 + 79 + 85 + 82 = 414			
14				
15				
16				
17		$\sum Y = 413 + 411 + 409 + 416 + 414 = 2063$		
18				
19				
20				
21		$FK = \frac{(\sum Y)^2}{N}$		
22				
23		$FK = \frac{2063^2}{25}$		
24				
25				
26		$FK = \frac{4,255,969}{25} = 170,238.76$		
27				
28				

Gambar 26. Anova Tinggi Tanaman

$$JK_{Total} = \sum Y^2 - FK$$

$$JK_{Total} = 170,274.12 - 170,238.76 = 35.36$$

$$JK_{Perlakuan} = \frac{\sum T_i^2}{r} - FK$$

$$= \frac{(413^2 + 411^2 + 409^2 + 416^2 + 414^2)}{5} - 170,238.76$$

$$= 170,244.12 - 170,238.76 = 5.36$$

$$JK_{Galat} = JK_{Total} - JK_{Perlakuan}$$

$$= 35.36 - 5.36 = 30.00$$

$$KT_{Perlakuan} = \frac{5.36}{4} = 1.34$$

$$KT_{Galat} = \frac{30.00}{20} = 1.50$$

Gambar 27. Anova Tinggi Tanaman

$$F = \frac{KT_{Perlakuan}}{KT_{Galat}}$$

$$F = \frac{1.34}{1.50} = 0.89$$

Gambar 28. Anova Tinggi Tanaman



Gambar 29. Sertifikat Bibit Kelapa Sawit