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LAMPIRAN

Tabel Lampiran 1a. Tinggi tanaman cabai katokkon (cm) pada varian katokkon dan dosis bahan organik umur 56 HST.

PU	AP	Kelompok				Jumlah	Rata-Rata
		I	II	III	IV		
K1	R0	19,17	20,33	19,67	23,67	82,83	20,71
	R1	15,70	20,67	21,83	24,00	82,20	20,55
	R2	21,17	21,50	19,67	16,25	78,58	19,65
	R3	13,75	17,17	20,67	13,83	65,42	16,35
	R4	17,90	26,10	23,00	22,50	89,50	22,38
	R5	17,00	23,17	21,67	22,67	84,50	21,13
Sub Total		104,68	128,93	126,50	122,92	483,03	
K2	R0	20,33	24,83	30,33	19,67	95,17	23,79
	R1	30,17	28,00	27,67	24,67	110,50	27,63
	R2	33,00	34,33	26,33	25,67	119,33	29,83
	R3	28,00	37,00	26,17	31,33	122,50	30,63
	R4	19,00	32,00	23,17	20,47	94,63	23,66
	R5	26,00	33,00	21,83	24,33	105,17	26,29
Sub Total		156,50	189,17	155,50	146,13	647,30	
Total		261,18	318,10	282,00	269,05	1130,33	

Tabel Lampiran 1b. Sidik ragam tinggi tanaman cabai katokkon (cm) pada varian katokkon dan dosis bahan organik umur 56 HST.

SK	DB	JK	KT	F.Hitung	Ket.	F.Tabel	
						0,05	0,01
Kelompok	4	158,57	39,64	2,01	**tn**	6,39	15,98
K (PU)	1	562,16	562,16	28,49	**	7,71	21,20
Galat (K)	4	78,93	19,73				
R (AP)	5	29,66	5,93	0,54	**tn**	2,56	3,75

K X R	5	228,53	45,71	4,18	**	2,56	3,75
Galat (R)	28	306,29	10,94				
Total	47	1364,14					
kk PU	19%						
kk AP	14%						

Keterangan: tn = tidak nyata

** = berbeda sangat nyata

Tabel Lampiran 2a. Diameter batang tanaman cabai katokkon (cm) pada varian katokkon dan dosis bahan organik umur 56 HST.

PU	AP	Kelompok				Jumlah	Rata-Rata
		I	II	III	IV		
K1	R0	5,43	4,93	5,83	5,43	21,63	5,41
	R1	4,70	5,40	4,97	5,50	20,57	5,14
	R2	5,57	4,90	4,43	4,23	19,13	4,78
	R3	4,20	4,93	4,40	3,07	16,60	4,15
	R4	4,80	5,37	4,60	5,15	19,92	4,98
	R5	4,30	5,27	5,77	5,10	20,43	5,11
Sub Total		29,00	30,80	30,00	28,48	118,28	
K2	R0	4,40	4,50	5,93	6,27	21,10	5,28
	R1	a	5,00	4,50	4,07	13,57	4,52
	R2	5,37	5,67	5,07	3,90	20,00	5,00
	R3	4,83	6,27	4,90	5,90	21,90	5,48
	R4	4,63	5,33	5,60	5,47	21,03	5,26
	R5	4,93	4,80	4,63	4,23	18,60	4,65
Sub Total		24,17	31,57	30,63	29,83	116,20	
Total		53,17	62,37	60,63	58,32	234,48	

Tabel Lampiran 2b.. Sidik ragam diameter batang cabai katokkon (cm) pada varian katokkon dan dosis bahan organik umur 56 HST.

SK	DB	JK	KT	F.Hitung	Ket.	F.Tabel	
						0,05	0,01
Kelompok	4	3,99	1,00	1,91	**tn**	6,39	15,98
K (PU)	1	0,09	0,09	0,17	**tn**	7,71	21,20
Galat (K)	4	2,09	0,52				
R (AP)	5	5,21	1,04	1,33	**tn**	2,56	3,75
K X R	5	10,25	2,05	2,63	*****	2,56	3,75
Galat (R)	28	21,85	0,78				
Total	47	43,48					
kk PU	7%						
kk AP	12%						

Keterangan: tn = tidak nyata

* = berbeda nyata

Tabel Lampiran 3a. Buah panen cabai katokkon pada varian katokkon dan dosis bahan organik.

PU	AP	Kelompok				Jumlah	Rata-Rata
		I	II	III	IV		
K1	R0	8,00	13,00	18,00	13,00	52,00	13,00
	R1	16,00	10,00	13,00	13,00	52,00	13,00
	R2	13,00	11,00	12,00	16,00	52,00	13,00
	R3	24,00	19,00	22,00	11,00	76,00	19,00
	R4	14,00	16,00	27,00	19,00	76,00	19,00
	R5	13,00	22,00	19,00	22,00	76,00	19,00
Sub Total		88,00	91,00	111,00	94,00	384,00	
K2	R0	29,00	75,00	52,00	162,00	318,00	79,50
	R1	12,00	54,00	68,00	116,00	250,00	62,50

	R2	20,00	136,00	35,00	135,00	326,00	81,50
	R3	10,00	231,00	82,00	87,00	410,00	102,50
	R4	12,00	62,00	26,00	40,00	140,00	35,00
	R5	30,00	46,00	46,00	21,00	143,00	35,75
Sub Total		113,00	604,00	309,00	561,00	1587,00	
Total		201,00	695,	420,00	655,00	1971,00	

Tabel Lampiran 3b. Buah panen cabai katokkon (cm) pada varian katokkon dan dosis bahan organik.

SK	DB	JK	KT	F.Hitung	Ket.	F.Tabel	
						0,05	0,01
Kelompok	4	13136,73	3284,18	0,99	**tn**	6,39	15,9770249
K (PU)	1	30150,19	30150,19	9,09	*	7,71	21,1976896
Galat (K)	4	13273,73	3318,43				
R (AP)	5	6790,94	1358,19	1,32	**tn**	2,56	3,75
K X R	5	7996,94	1599,39	1,55	**tn**	2,56	3,75
Galat (R)	28	28900,29	1032,15				
Total	47	97170,98					

Keterangan: tn = tidak nyata

* = berbeda nyata

Tabel Lampiran 4a. Total populasi tanaman yang diamati

Landrace	Perlakuan	U1	U2	U3	U4	Jumlah
K1	R0	6	6	6	6	
	R1	6	6	6	6	
	R2	6	6	6	6	
	R3	6	6	6	6	
	R4	6	6	6	6	
	R5	6	6	6	6	

K2	R0	6	6	6	6	
	R1	6	6	6	6	
	R2	6	6	6	6	
	R3	6	6	6	6	
	R4	6	6	6	6	
	R5	6	6	6	3	
Jumlah						**288**

Tabel Lampiran 4b. Total populasi terserang layu fusarium

Landrace	Perlakuan	U1	U2	U3	U4	Tanaman Terserang
K1	R0	1	1	3	1	
	R1	5	2	2	2	
	R2	3	2	2	1	
	R3	1	2	2	2	
	R4	1	2	2	1	
	R5	2	2	2	2	
Jumlah		13	11	13	9	46
K2	R0	2	1	1	1	
	R1	1	1	1	1	
	R2	1	1	1	0	
	R3	1	1	0	0	
	R4	0	1	0	0	
	R5	2	1	2	2	
Jumlah		7	6	5	4	22

Tabel Lampiran 4c. Persentase serangan layu fusarium pada 46 HST (26 Juni 2024)

Total tanaman terserang	Total populasi	Persentase serangan
Limbong (K1) 68	144	31,94%
Leatung 2 (K2) 22	144	15,28%

Rumus: Insidensi (%)=Total tanaman terserang /total tanaman diamati x 100

Tabel Lampiran 5. Kelimpahan Populasi Jamur

Perlakuan	Jumlah Koloni	Pengenceran	Total Populasi (CFU/gram tanah)
U1 K2R0	52,5	10^3	5,23 x 10^5
U1 K1R1	16	10^4	1,60 x 10^6
U1 K1R2	83	10^4	8,30 x 10^6
U1 K2R3	29	10^4	2,9 x 10^5
U1 K1R4	54,5	10^6	5,45 x 10^6
U1 K2R5	35,5	10^6	3,55 x 10^6
U2 K1R0	97	10^4	9,7 x 10^6
U2 K2R1	20	10^4	2,0 x 10^9
U2 K2R2	47,5	10^3	4,75 x 10^5
U2 K1R3	32	10^5	3,2 x 10^7
U2 K2R4	37	10^4	3,70 x 10^5
U2 K1R5	25	10^4	2,5 x 10^6
U3 K1R0	86,5	10^3	8,65 x 10^5
U3 K1R1	70,5	10^3	7,05 x 10^5
U3 K2R2	61,5	10^3	6,15 x 10^5
U3 K2R3	55,5	10^3	5,55 x 10^5
U3 K2R4	45,5	10^3	4,55 x 10^5
U3 K1R5	38,5	10^3	3,85 x 10^5
U4 K2R0	61	10^3	6,10 x 10^5
U4 K2R1	49,5	10^3	4,95 x 10^5
U4 K2R2	57	10^3	5,70 x 10^5
U4 K1R3	44,5	10^3	4,45 x 10^5
U4 K1R4	37	10^3	3,70 x 10^5
U4 K1R5	41,5	10^3	4,15 x 10^5
Kontrol	23,5	10^3	2,35 x 10^5

Tabel Lampiran 6. Kelimpahan Populasi Bakteri

Perlakuan	Jumlah Koloni	Pengenceran	Total Populasi (CFU/gram tanah)
U1 K2R0	63	10^4	6,30 x 10^6
U1 K1R1	63	10^4	6,30 x 10^6
U1 K1R2	87,5	10^4	8,75 x 10^6
U1 K2R3	81,5	10^4	6,3 x 10^6

U1 K1R4	63,5	10^4	8,75 x 10^6
U1 K2R5	63,5	10^4	6,30 x 10^6
U2 K1R0	68,5	10^4	8,75 x 10^6
U2 K2R1	44	10^4	6,30 x 10^6
U2 K2R2	32	10^4	8,75 x 10^6
U2 K1R3	134	10^6	6,30 x 10^9
U2 K2R4	42,5	10^5	4,55 x 10^7
U2 K1R5	29,5	10^4	2,5 x 10^6
U3 K1R0	53,5	10^4	8,65 x 10^6
U3 K1R1	35	10^4	7,05 x 10^6
U3 K2R2	40	10^5	6,15 x 10^7
U3 K2R3	40	10^5	5,55 x 10^7
U3 K2R4	42,5	10^5	4,55 x 10^7
U3 K1R5	59	10^4	3,85 x 10^6
U4 K2R0	128,5	10^4	6,10 x 10^6
U4 K2R1	128	10^4	4,95 x 10^6
U4 K2R2	65,5	10^4	5,70 x 10^6
U4 K1R3	56	10^4	4,45 x 10^6
U4 K1R4	121	10^4	3,70 x 10^6
U4 K1R5	52	10^4	4,15 x 10^6
Kontrol	48,5	10^4	2,35 x 10^6

Tabel Lampiran 7. Nilai C Organik

Perlakuan	C organic (%)
U1 K2R0	1,21
U1 K1R1	1,52
U1 K1R2	1,63
U1 K2R3	1,28
U1 K1R4	1,48
U1 K2R5	1,49
U2 K1R0	1,25
U2 K2R1	1,25
U2 K2R2	1,34
U2 K1R3	1,62
U2 K2R4	1,49

U2 K1R5	1,69
U3 K1R0	1,79
U3 K1R1	1,36
U3 K2R2	1,28
U3 K2R3	1,54
U3 K2R4	1,36
U3 K1R5	1,92
U4 K2R0	1,25
U4 K2R1	1,49
U4 K2R2	1,36
U4 K1R3	1,19
U4 K1R4	1,36
U4 K1R5	1,82
Kontrol	0,85

Lampiran 8. Skrip Phyton untuk Analisis Spearman Rank C Organik dengan Kelimpahan Jamur di Google Colaboratory

```
import pandas as pd
import matplotlib.pyplot as plt
from scipy.stats import spearmanr
import numpy as np

# === Data ===
data = {
    'C_Organik': [
        1.21, 1.52, 1.63, 1.28, 1.48, 1.49, 1.25, 1.25,
1.34, 1.62, 1.49, 1.69,
        1.79, 1.36, 1.28, 1.54, 1.36, 1.92, 1.25, 1.49,
1.36, 1.19, 1.36, 1.82
    ],
    'Jamur': [
        5.718501689, 6.204119983, 6.919078092, 5.462397998,
6.736396502,
        6.550228353, 7.98677173, 7.301029996, 5.67669361,
6.505149978,
        5.568201724, 6.397940009, 5.937016107, 5.848189117,
5.788875116,
        5.744292983, 5.658011397, 5.585460730, 5.785329835,
5.694605199,
        5.755874856, 5.648360011, 5.568201724, 5.618048097
    ]
}
```

```
df = pd.DataFrame(data)

# Tambahkan kontrol
df.loc[len(df)] = [0.85, 5.371067862]

# === Uji Korelasi Spearman ===
r_s, p_value = spearmanr(df['C_Organik'], df['Jamur'])

# === Cetak Hasil di Terminal ===
print("=== HASIL UJI KORELASI SPEARMAN ===")
print(f"Koefisien korelasi (rₛ): {r_s:.3f}")
print(f"p-value: {p_value:.4f}")

if p_value < 0.05:
    print("Interpretasi: Hubungan signifikan (p < 0.05)")
else:
    print("Interpretasi: Hubungan tidak signifikan (p ≥
0.05)")

if r_s > 0:
    arah = "positif (searah)"
elif r_s < 0:
    arah = "negatif (berlawanan arah)"
else:
    arah = "tidak ada hubungan"

print(f"Arah hubungan: {arah}")

# === Scatter Plot ===
plt.figure(figsize=(8, 6))
plt.scatter(df['C_Organik'], df['Jamur'], color='green',
s=60, alpha=0.7, label='Data')

# Garis tren (linear)
z = np.polyfit(df['C_Organik'], df['Jamur'], 1)
p = np.poly1d(z)
plt.plot(df['C_Organik'], p(df['C_Organik']),
color='darkgreen', linewidth=2.5, label='Tren')

# === Label dan judul ===
plt.xlabel('C-Organik (%)', fontsize=12)
plt.ylabel('Kelimpahan Jamur (log 10 Cfu/gram tanah)',
fontsize=12)
plt.title('Hubungan antara C-Organik dan Kelimpahan Jamur',
fontsize=14)

# === Tambahkan teks hasil korelasi di dalam grafik ===
textstr = f"rₛ = {r_s:.3f}\np = {p_value:.4f}"
```

```
plt.text(
    0.05, 0.95, textstr, transform=plt.gca().transAxes,
    fontsize=12, verticalalignment='top',
    bbox=dict(boxstyle='round,pad=0.4', facecolor='white',
alpha=0.7)
)

# === Finishing ===
plt.legend()
plt.grid(alpha=0.3)
plt.tight_layout()
plt.show()

=== HASIL UJI KORELASI SPEARMAN ===
Koefisien korelasi (r_s): 0.143
p-value: 0.4951
Interpretasi: Hubungan tidak signifikan (p ≥ 0.05)
Arah hubungan: positif (searah)
```

Lampiran 9. Skrip Phyton untuk Analisis Spearman Rank C Organik dengan Kelimpahan Bakteri di Google Colaboratory

```
import pandas as pd
import matplotlib.pyplot as plt
from scipy.stats import spearmanr
import numpy as np

# === Data ===
data = {
    'C_Organik': [
        1.21, 1.52, 1.63, 1.28, 1.48, 1.49, 1.25, 1.25,
1.34, 1.62, 1.49, 1.69,
        1.79, 1.36, 1.28, 1.54, 1.36, 1.92, 1.25, 1.49,
1.36, 1.19, 1.36, 1.82
    ],
    'Bakteri': [
        6.799340549, 6.799340549, 6.942008053, 6.799340549,
6.942008053,
        6.799340549, 6.942008053, 6.799340549, 6.942008053,
9.127104798,
        7.658011397, 6.397940009, 6.937016107, 6.848189117,
7.788875116,
        7.744292983, 7.658011397, 6.58546073, 6.785329835,
6.694605199,
        6.755874856, 6.648360011, 6.568201724, 6.618048097
    ]
}
```

```
# Tambahkan kontrol
df = pd.DataFrame(data)
df.loc[len(df)] = [0.85, 6.371067862]  # kontrol

# === Uji Korelasi Spearman ===
r_s, p_value = spearmanr(df['C_Organik'], df['Bakteri'])

# === Cetak Hasil di Terminal ===
print("=== HASIL UJI KORELASI SPEARMAN (BAKTERI) ===")
print(f"Koefisien korelasi (r_s): {r_s:.3f}")
print(f"p-value: {p_value:.4f}")

if p_value < 0.05:
    print("Interpretasi: Hubungan signifikan (p < 0.05)")
else:
    print("Interpretasi: Hubungan tidak signifikan (p ≥
0.05)")

if r_s > 0:
    arah = "positif (searah)"
elif r_s < 0:
    arah = "negatif (berlawanan arah)"
else:
    arah = "tidak ada hubungan"

print(f"Arah hubungan: {arah}")

# === Scatter Plot ===
plt.figure(figsize=(8, 6))

# Titik perlakuan (hijau)
plt.scatter(df['C_Organik'][:-1], df['Bakteri'][:-1],
            color='green', s=60, alpha=0.7,
label='Perlakuan')

# Titik kontrol (merah)
plt.scatter(df['C_Organik'].iloc[-1], df['Bakteri'].iloc[-
1],
            color='red', s=80, label='Kontrol')

# Garis tren (linear)
z = np.polyfit(df['C_Organik'][:-1], df['Bakteri'][:-1], 1)
p = np.poly1d(z)
plt.plot(df['C_Organik'], p(df['C_Organik']),
color='darkgreen',
         linewidth=2.5, label='Tren')

# === Label dan judul ===
plt.xlabel('C-Organik (%)', fontsize=12)
```

```
plt.ylabel('Kelimpahan Bakteri (log 10 Cfu/gram tanah)',
fontsize=12)
plt.title('Hubungan antara C-Organik dan Kelimpahan
Bakteri', fontsize=14)

# === Tambahkan teks hasil korelasi di dalam grafik ===
textstr = f"rₛ = {r_s:.3f}\np = {p_value:.4f}"
plt.text(
    0.05, 0.95, textstr, transform=plt.gca().transAxes,
    fontsize=12, verticalalignment='top',
    bbox=dict(boxstyle='round,pad=0.4', facecolor='white',
alpha=0.7)
)

# === Finishing ===
plt.legend()
plt.grid(alpha=0.3)
plt.tight_layout()
plt.show()
```

```
=== HASIL UJI KORELASI SPEARMAN (BAKTERI) ===
Koefisien korelasi (rₛ): 0.066
p-value: 0.7546
Interpretasi: Hubungan tidak signifikan (p ≥ 0.05)
Arah hubungan: positif (searah)
```

Tabel Lampiran 10. Kadar Air Tersedia Sebelum Perlakuan

Titik	0.3 BAR (Kadar air kapasitas lapang)			15 BAR (Kadar air titik layu permanen)			KAT(%)	BD (g/cm^3)	KP (mm)	KAT (mm)
	BB (g)	BK(g)	KA%	BB (g)	BK (g)	KA%				
U1 K2R0	30,1	23,2	29,33	20,9	19,9	19,95	9,38	0,89	250	20,94
U1 K1R1	24,9	16,7	24,23	20,1	19,1	19,15	5,08	0,87	250	11,06
U1 K1R2	27,9	20,7	27,16	26,2	24,7	25,26	1,90	0,82	250	3,88
U1 K2R3	29,9	27,9	28,97	21,8	19,6	20,90	8,07	0,94	250	18,94
U1 K1R4	29,2	22	28,45	25	24	24,04	4,41	0,97	250	10,66
U1 K2R5	33,1	27,3	32,28	26,8	25,7	25,84	6,43	0,88	250	14,08
U2 K1R0	27,4	20,2	26,66	22,5	21,5	21,54	5,12	0,92	250	11,84
U2 K2R1	27,3	19	26,60	23	20	22,13	4,47	0,90	250	10,07
U2 K2R2	23	20	22,13	20,4	19,3	19,45	2,68	0,97	250	6,49
U2 K1R3	28,7	21	27,97	22,4	21,3	21,45	6,52	0,91	250	14,87
U2 K2R4	25	18	24,28	21,2	17,8	20,36	3,92	0,89	250	8,70
U2 K1R5	27,9	21,3	27,14	24,4	21,7	23,51	3,63	0,95	250	8,59
U3 K1R0	26,1	19,8	25,34	18,8	17,6	17,86	7,48	0,97	250	18,09
U3 K1R1	27,7	22,1	26,90	20	16,8	19,16	7,74	0,89	250	17,15
U3 K2R2	28,4	22,8	27,60	27,1	23,7	26,23	1,37	0,89	250	3,05
U3 K2R3	26	21	25,19	23,5	21,3	22,59	2,60	0,93	250	6,04
U3 K2R4	25,8	23	24,91	22,6	20	21,72	3,19	0,91	250	7,29
U3 K1R5	28	21	27,25	26,7	23,9	25,80	1,45	0,99	250	3,56

U4 K2R0	27,9	20,4	27,17	22	16,4	21,25	5,91	1,32	250	19,57
U4 K2R1	25,4	19,3	24,64	19,9	16,5	19,07	5,57	0,94	250	13,12
U4 K2R2	25,1	19,3	24,33	23,7	20,3	22,84	1,49	1,27	250	4,71
U4 K1R3	26,4	18,4	25,70	23	21,3	22,07	3,63	1,00	250	9,08
U4 K1R4	26,2	19,3	25,46	21,3	18,2	20,45	5,02	0,93	250	11,68
U4 K1R5	26,8	22,1	25,98	20,4	18	19,52	6,46	0,97	250	15,74
Kontrol	23	18	22,22	22	19	21,14	1,08	1,30	250	3,52

Keterangan:
BB : Berat Basah (gram)
BK : Berat Kering (gram)
KA : Kadar air (%)
BD : Bulk Density (gram/cm^3)
KP : Kedalaman Perakaran Cabai Katokkon (mm)
KAT : Kadar Air Tersedia (mm)

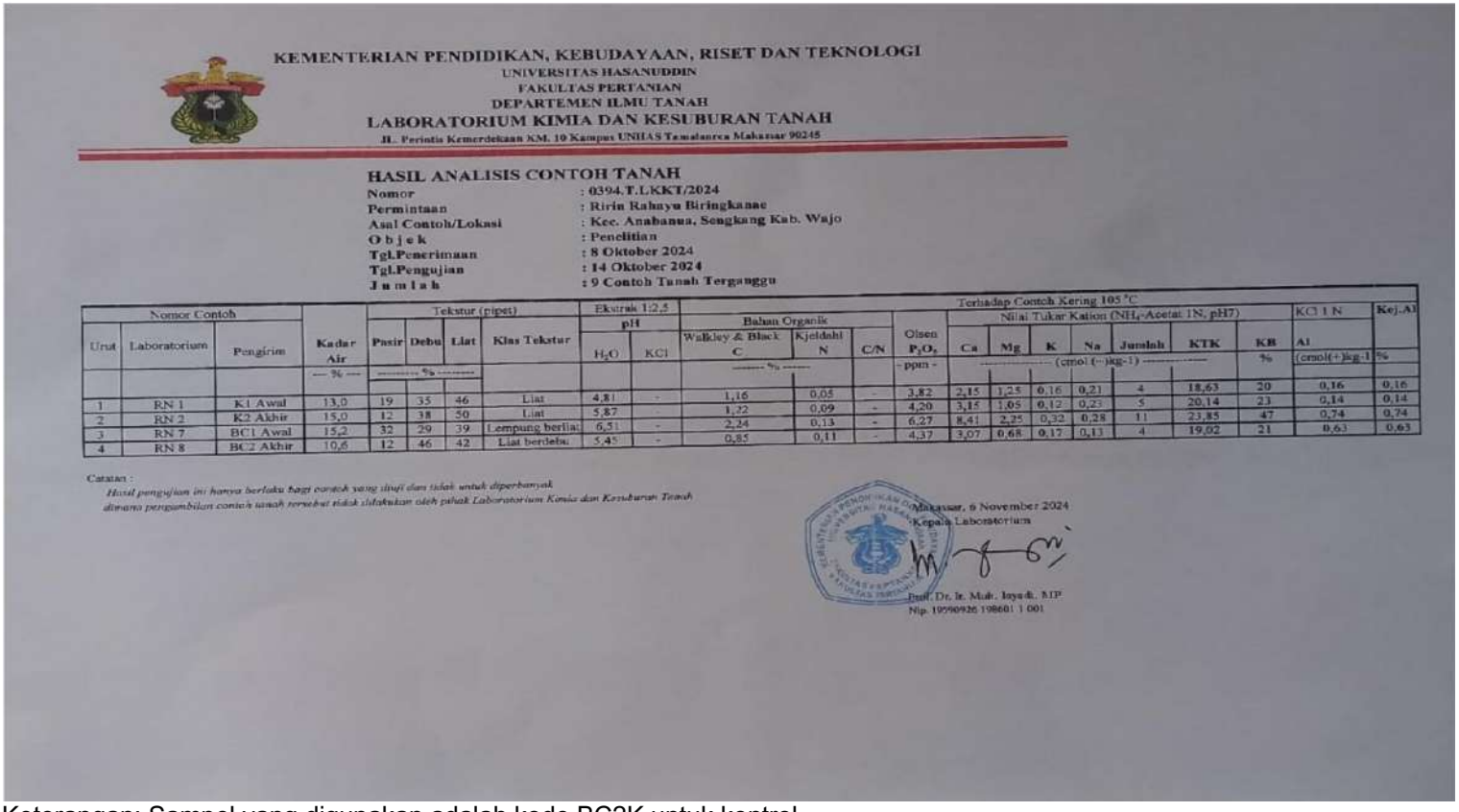
Tabel Lampiran 11. Kadar Air Tersedia Setelah Perlakuan

Perlakuan	0.3 BAR (Kadar air kapasitas lapang)			15 BAR (Kadar air titik layu permanen)			KAT(%)	BD (g/cm3)	KP (mm)	KAT (mm)
	BB	BK	KA%	BB	BK	KA%				
U1 K2R0	34,4	25,1	33,67	22,3	21,1	21,35	12,32	0,88	250	27,25
U1 K1R1	37,5	28,2	36,75	23,4	21,2	22,49	14,25	0,88	250	31,42
U1 K1R2	29,2	21,3	28,47	25,2	23,7	24,26	4,21	0,96	250	10,12
U1 K2R3	36,3	24,5	35,63	21,1	19,5	20,18	15,45	0,93	250	36,11
U1 K1R4	30	22,2	29,26	24,5	22,1	23,60	5,66	0,78	250	11,00
U1 K2R5	33,7	22,4	33,04	20,9	19,6	19,96	13,07	0,83	250	27,22
U2 K1R0	28,5	21,7	27,74	25	19,2	24,23	3,51	0,83	250	7,27
U2 K2R1	29,4	20,4	28,71	20,3	18,2	19,40	9,30	0,68	250	15,88
U2 K2R2	27,7	21,1	26,94	23	21	22,09	4,85	0,89	250	10,83
U2 K1R3	30,1	20,5	29,42	20	18,3	19,09	10,33	0,91	250	23,61
U2 K2R4	31,5	22,6	30,78	26,3	24,7	25,36	5,42	0,91	250	12,29
U2 K1R5	30	20,6	29,31	25	19,1	24,24	5,08	0,95	250	12,11
U3 K1R0	32,4	25,5	31,61	25	22,1	24,12	7,50	0,92	250	17,15
U3 K1R1	29,3	21,3	28,57	25,5	17,6	24,81	3,76	0,89	250	8,33
U3 K2R2	27,4	20,5	26,65	22,6	18,1	21,80	4,85	0,89	250	10,74
U3 K2R3	32,5	23.07	32,47	24	19	23,21	9,26	0,93	250	21,61
U3 K2R4	30,2	21,5	29,49	26,5	22,2	25,66	3,83	0,83	250	7,96
U3 K1R5	29,3	20,3	28,61	27	20,1	26,26	2,35	0,93	250	5,46

U4 K2R0	29,5	22.07	29,47	28	19,2	27,31	2,15	1,38	250	7,44
U4 K2R1	32,1	22.08	32,07	21	15,3	20,27	11,80	0,95	250	27,99
U4 K2R2	30,1	23,8	29,31	27	17	26,37	2,94	1,16	250	8,50
U4 K1R3	27,6	21,8	26,81	23,2	18	22,42	4,39	1,00	250	11,01
U4 K1R4	31,8	24,6	31,03	23,5	16,3	22,81	8,22	0,99	250	20,41
U4 K1R5	29,9	22,1	29,16	23,5	17,1	22,77	6,39	0,87	250	13,89
Kontrol	22	18	21,18	21	19	20,10	1,09	1,37	250	3,72

Keterangan:
BB : Berat Basah (gram)
BK : Berat Kering (gram)
KA : Kadar air (%)
BD : Bulk Density (gram/cm^3)
KP : Kedalaman Perakaran Cabai Katokkon (mm)
KAT : Kadar Air Tersedia (mm)

Tabel Lampiran 12. Sifat Kimia Tanah dan Tekstur sebelum perlakuan



KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET DAN TEKNOLOGI
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LABORATORIUM KIMIA DAN KESUBURAN TANAH
Jl. Perintis Kemerdekaan KM. 10 Kampus UNHAS Tamalanrea Makassar 90245

HASIL ANALISIS CONTOH TANAH

Nomor : 0394.T.LKKT/2024
Permintaan : Ririn Rahayu Biringkanae
Asal Contoh/Lokasi : Kec. Anabanua, Sengkang Kab. Wajo
O b j e k : Penelitian
Tgl.Penerimaan : 8 Oktober 2024
Tgl.Pengujian : 14 Oktober 2024
J u m l a h : 9 Contoh Tanah Terganggu

Nomor Contoh			Kadar Air	Tekstur (pipet)				Ekstrak 1:2,5 pH		Terhadap Contoh Kering 105 °C: Bahan Organik			Olsen	Nilai Tukar Kation (NH_4-Acetat 1N, pH7)						KB	KCl 1 N Al	Kej.Al
Urut	Laboratorium	Pengirim		Pasir	Debu	Liat	Klas Tekstur	H_2O	KCl	Walkley & Black C	Kjeldahl N	C/N	P_2O_5	Ca	Mg	K	Na	Jumlah	KTK			
			— % —	——— % ———						——— % ———			- ppm -	——— (cmol(+)kg-1) ———						%	(cmol(+)kg-1)	%
1	RN 1	K1 Awal	13,0	19	35	46	Liat	4,81	-	1,16	0,05	-	3,82	2,15	1,25	0,16	0,21	4	18,63	20	0,16	0,16
2	RN 2	K2 Akhir	15,0	12	38	50	Liat	5,87	-	1,22	0,09	-	4,20	3,15	1,05	0,12	0,23	5	20,14	23	0,14	0,14
3	RN 7	BC1 Awal	15,2	32	29	39	Lempung berliat	6,51	-	2,24	0,13	-	6,27	8,41	2,25	0,32	0,28	11	23,85	47	0,74	0,74
4	RN 8	BC2 Akhir	10,6	12	46	42	Liat berdebu	5,45	-	0,85	0,11	-	4,37	3,07	0,68	0,17	0,13	4	19,02	21	0,63	0,63

Catatan :
Hasil pengujian ini hanya berlaku bagi contoh yang diuji dan tidak untuk diperbanyak
dimana pengambilan contoh tanah tersebut tidak dilakukan oleh pihak Laboratorium Kimia dan Kesuburan Tanah

Makassar, 9 November 2024
Kepala Laboratorium

Prof. Dr. Ir. Muh. Isyaku, MP
Nip. 19590926 198601 1 001

Keterangan: Sampel yang digunakan adalah kode BC2K untuk kontrol.

Tabel Lampiran 13. Analisis Kompos

KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET DAN TEKNOLOGI
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FAKULTAS PERTANIAN
DEPARTEMEN ILMU TANAH
LABORATORIUM KIMIA DAN KESUBURAN TANAH
Jl. Perintis Kemerdekaan KM. 10 Kampus UNHAS Tamalanrea Makassar 90245

HASIL ANALISIS CONTOH PUPUK ORGANIK

Nomor : 0192.T.LKKT/2024
Permintaan : Ririn Rahayu Biringkanae
Asal Contoh/Lokasi : Kab. Tana Toraja
O b j e k : Penelitian
Tgl.Penerimaan : 4 Juni 2024
Tgl.Pengujian : 20 Juni 2024
J u m l a h : 1 Contoh Kompos

Nomor Contoh			Ekstrak 1:2,5	Parameter Terukur				
			pH	Bahan Organik			HNO3 : HClO4	
Urut	Laboratorium	Pengirim	H_2O	Walkley & Black C	Kjeldahl N	C/N	P	K
				------- % -------			--------- % -------	
1	RK	-	-	21.14	1.25	17	0.85	1.02

Catatan :
Hasil pengujian ini hanya berlaku bagi contoh yang diuji dan tidak untuk diperbanyak dimana pengambilan contoh tersebut tidak dilakukan oleh pihak Laboratorium Kimia dan Kesuburan Tanah

Makassar, 31 Juli 2024
Kepala Laboratorium

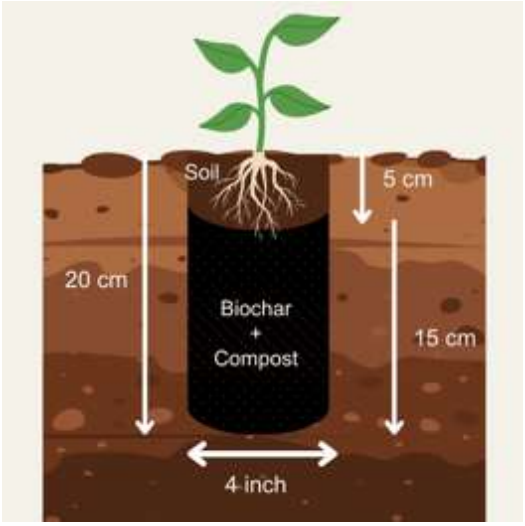
Dr. Ir. Muh. Jayadi, MP
Nip. 19590926 198601 1 001

Tabel Lampiran 14. Rekapitulasi Curah Hujan Harian selama tahun 2024 di Plot Penelitian

Bulan	Tanggal																														Rata-Rata
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Januari	3	5	1	11	2	0	10	5	0	7	10	15	17	10	20	17	3	20	25	0	0	0	0	0	21	5	0	0	27	35	35	304
Februari	15	11	7	7	40	3	7	0	0	4	0	2	21	6	0	2	7	2	0	0	27	20	17	21	28	20	17	17	2			303
Maret	5	7	19	71	27	0	0	6	9	21	24	0	0	0	5	30	40	27	37	20	10	7	13	50	0	10	10	70	40	60	30	648
April	20	30	15	10	10	27	30	17	10	7	3	20	31	47	60	27	50	55	45	40	60	7	40	0	21	10	15	20	10	80		817
Mei	6	5	50	20	60	70	4	22	10	0	3	2	2	0	0	9	5	4	15	3	2	33	8	3	0	0	19	34	8	4	1	402
Juni	2	5	4	55	0	2	0	0	0	0	2	2	2	2	3	1	0	1	0	1	0	1	2	0	0	0	10	20	15	17		147
Juli	5	11	27	40	30	7	10	10	4	0	0	0	0	4	7	0	0	0	0	0	0	9	0	0	20	17	0	0	0	0	0	201
Agustus	0	0	0	0	0	5	70	5	5	0	0	0	3	0	0	0	0	0	0	1	0	2	21	3	4	11	2	11	4	15		162
September	12	0	0	0	7	18	5	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	0	1	4		57
Oktober	0	0	4	0	0	0	0	0	0	0	4	0	1	3	5	14	0	0	15	10	0	0	0	0	3	0	0	0	0	0	0	59
November	20	15	5	4	8	4	0	0	0	4	5	10	30	3	1	0	0	0	0	2	8	4	0	0	0	0	4	3	7			137
Desember	0	2	5	50	30	10	70	3	0	0	0	3	10	25	30	17	10	0	0	0	2	0	0	5	3	2	10	60	20	5	45	417

Diukur oleh petani peneliti Yayasan Motivator Pembangunan Masyarakat, 2024.

Gambar Lampiran 1. Susunan model insitu biopori kombinasi biochar dan kompos



Gambar Lampiran 2. Denah percobaan di lapangan

Keterangan
K1R0= Limbong + 0% biochar : 0% kompos atau setara dengan 0 g:375 g
K1R1= Limbong + 100% biochar : 0% kompos atau setara dengan 375 g:0 g
K1R2= Limbong + 20% biochar : 80% kompos atau setara dengan 75 g:300 g
K1R3= Limbong + 40% biochar : 60% kompos atau setara dengan 150 g:225 g
K1R4= Limbong + 60% biochar : 40% kompos atau setara dengan 225 g:150 g
K1R5= Limbong + 80% bochar : 20% kompos atau setara dengan 300 g:75 g
K2R0= Liatung 2 + 0% biochar : 0% kompos atau setara dengan 0 g:375 g
K2R1= Liatung 2 + 100% biochar : 0% kompos atau setara dengan 375 g :0 g
K2R2= Liatung 2 + 20% biochar : 80% kompos atau setara dengan 75 g :300 g
K2R3= Liatung 2 + 40% biochar : 60% kompos atau setara dengan 150 g 225 g
K2R4= Liatung 2 + 60% biochar : 40% kompos atau setara dengan 225 g :150 g

K2R5= Liatung 2 + 80% bochar : 20% kompos atau setara dengan 300 g : 75 g

Gambar Lampiran 3.

a

b

c

d

e

f

a. Keterangan: a.Persiapan lahan, b. Pembuatan Insitu Biopori, c. Pembuatan biochar, d. Pencampuran kombinasi biochar-kompos, e. Penanaman, f. Pemeliharaan

Gambar lampiran 4. Tanaman terserang layu fusarium pada 46 HST

Gambar Lampiran 5. Plot perlakuan

a. K2R3

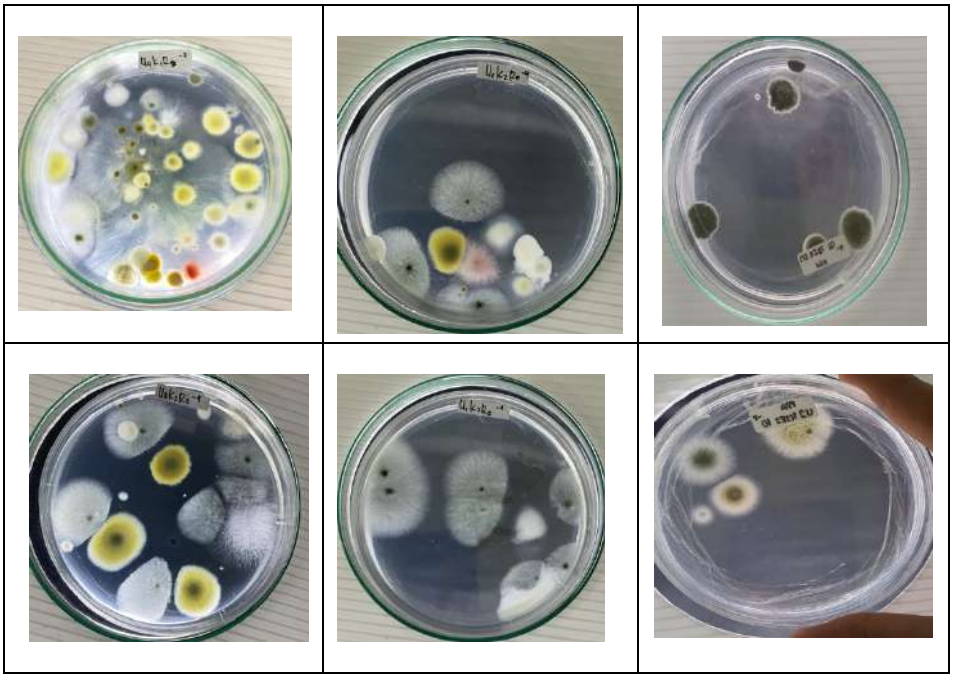
b. K1R3

 c. K1R0	 d. K2R4
 e. K1R4	 f. K2R4
 g. K1R5	 h. K2R2

Gambar Lampiran 6. Buah Panen

Gambar Lampiran 7. Analisis Laboratorium

Gambar Lampiran 8. Jamur Tanah pada media PDA



Gambar Lampiran 9. Bakteri tanah pada media NA