

LAMPIRAN

Dokumentasi penelitian

Pembuatan bioaktivator



Bioaktivator EM4, air cucian karung
tepung terigu, air cucian kandang ayam
perbandingan 1:1:1



Bioaktivator EM4, air cucian karung
tepung terigu, air cucian kandang ayam
perbandingan 2:1:1

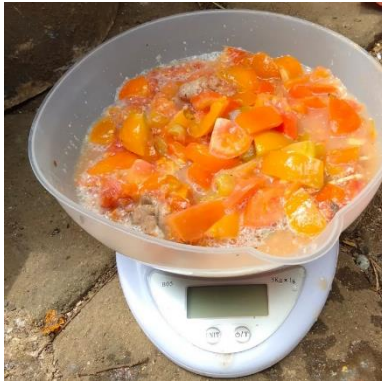


Bioaktivator EM4, air cucian karung
tepung terigu, air cucian kandang ayam
perbandingan 1:2:1



Bioaktivator EM4, air cucian karung
tepung terigu, air cucian kandang ayam
perbandingan 1:1:2

Pembuatan pupuk bokashi



Penimbangan bahan baku tomat



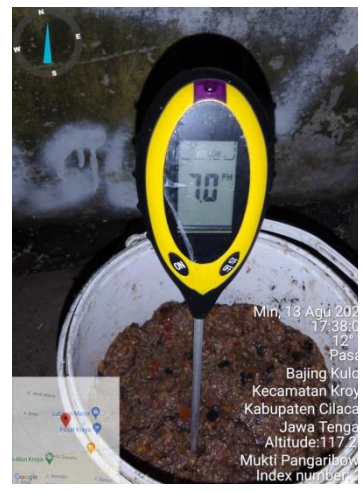
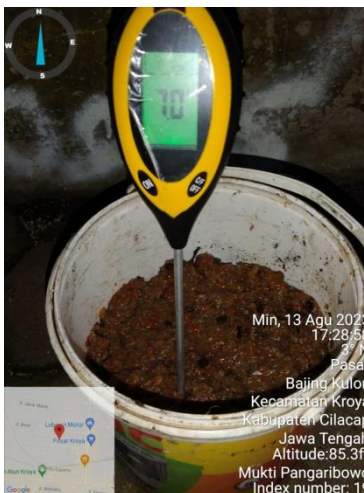
Penimbangan bahan baku kentang



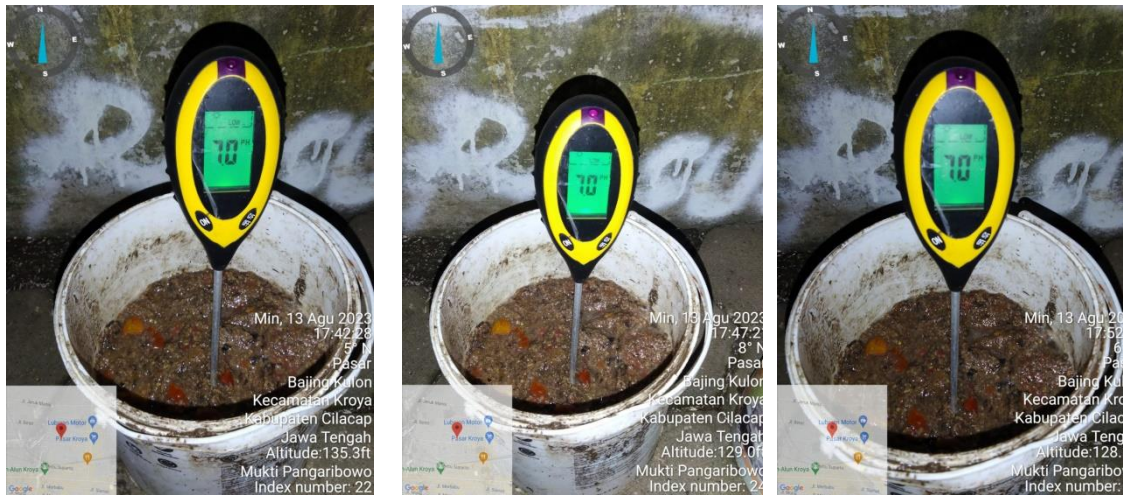
Penimbangan bahan baku kulit pisang kepok



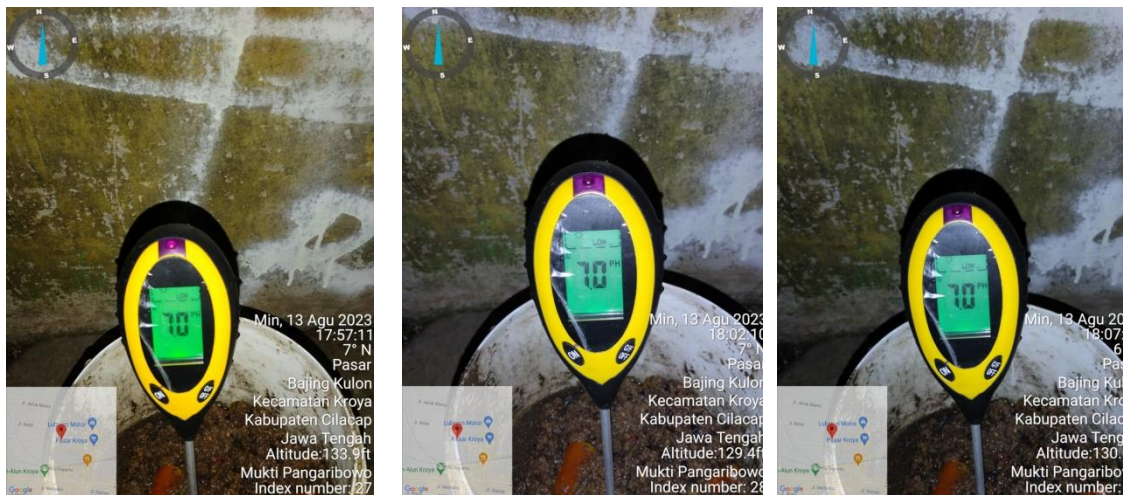
Pengukuran pH campuran bahan organik pupuk bokashi B1



Pengukuran pH campuran bahan organik pupuk bokashi B2



Pengukuran pH campuran bahan organik pupuk bokashi B3



Pengukuran pH campuran bahan organik pupuk bokashi B4



Penimbangan bahan baku



Pengiriman sampel pupuk bokashi



Analisis kadar air pupuk bokashi



Analisis C-organik pupuk bokashi



Tanaman tomat media tanam 50% tanah dan 50% pupuk bokashi



Tanaman tomat 100% pupuk bokashi

Kadar Air

a. Data pengujian kadar air pupuk bokashi

Simbol	Sampel (gram)	Oven 4 jam (gram)	Oven 8 jam (gram)	Oven 12 jam (gram)	Oven 16 jam (gram)	Kadar air (%)	Fk
P1	5	1,2877	1,2877	1,1226	1,1224	77,552 %	4,4547399
P2	5	1,3453	1,3453	1,1963	1,1961	76,078 %	4,1802525
P3	5	1,4743	1,4743	1,2541	1,2540	74,95 %	3,9920160
P4	5	1,1165	1,1165	0,9625	0,9624	80,752%	5,1953450
P5	5	0,8601	0,8601	0,7144	0,7142	85,716%	7,0008402
P6	5	1,8653	1,8653	1,6575	1,6573	78,854%	4,7290268
P7	5	1,5455	1,5455	1,1401	1,1399	77,202%	4,3863497
P8	5	1,1144	1,1144	0,9531	0,9529	80,942%	5,2471404
P9	5	1,8767	1,8767	1,5756	1,5755	68,494%	3,1735957
P10	5	1,6327	1,6327	1,4009	1,4008	71,984%	3,5693890
P11	5	1,6243	1,6243	1,4024	1,4022	71,956%	3,5658252
P12	5	1,5134	1,5134	1,2021	1,2019	75,962%	4,1600799
P13	5	1,4566	1,4566	1,1092	1,1091	77,818%	4,5081598
P14	5	1,3455	1,3455	1,1639	1,1638	76,724%	4,2962709
P15	5	1,0232	1,0232	0,8806	0,8804	82,392%	5,6798819
P16	5	1,0106	1,0106	0,8006	0,8004	83,992 %	6,2468756

b. Perhitungan

$$\text{Kadar Air} = \frac{W_1 - W_2}{W} \times 100\%$$

dengan :

W = Berat sampel (gram)

W₁ = Berat sampel sebelum dikeringkan (gram)

W₂ = Berat sampel sesudah dikeringkan (gram)

$$\text{Faktor koreksi kadar air (fk)} = \frac{100}{100 - \text{kadar air}}$$

1. Sampel P1

$$\text{Kadar air} = \frac{5 - 1,1224}{5} \times 100\% = 77,552 \%$$

$$\text{Fk} = \frac{100}{100 - 77,552} = 4,4547399$$

2. Sampel P2

$$\text{Kadar air} = \frac{5 - 1,1961}{5} \times 100\% = 76,078 \%$$

$$\text{Fk} = \frac{100}{100 - 76,078} = 4,1802525$$

3. Sampel P3

$$\text{Kadar air} = \frac{5 - 1,2540}{5} \times 100\% = 74,95 \%$$

$$\text{Fk} = \frac{100}{100 - 74,95} = 3,9920160$$

4. Sampel P4

$$\text{Kadar air} = \frac{5 - 0,9624}{5} \times 100\% = 80,752\%$$

$$\text{Fk} = \frac{100}{100 - 80,752} = 5,1953450$$

5. Sampel P5

$$\text{Kadar air} = \frac{5 - 0,7142}{5} \times 100\% = 85,716 \%$$

$$\text{Fk} = \frac{100}{100 - 85,716} = 7,0008402$$

6. Sampel P6

$$\text{Kadar air} = \frac{5 - 1,6573}{5} \times 100\% = 78,854 \%$$

$$\text{Fk} = \frac{100}{100 - 78,854} = 4,7290268$$

7. Sampel P7

$$\text{Kadar air} = \frac{5 - 1,1399}{5} \times 100\% = 77,202 \%$$

$$\text{Fk} = \frac{100}{100 - 77,202} = 4,3863497$$

8. Sampel P8

$$\text{Kadar air} = \frac{5 - 0,9529}{5} \times 100\% = 80,942 \%$$

$$\text{Fk} = \frac{100}{100 - 80,942} = 5,2471404$$

9. Sampel P9

$$\text{Kadar air} = \frac{5 - 1,5755}{5} \times 100\% = 68,494 \%$$

$$\text{Fk} = \frac{100}{100 - 74,95} = 3,1735957$$

10. Sampel P10

$$\text{Kadar air} = \frac{5-1,4008}{5} \times 100\% = 71,984 \%$$

$$\text{Fk} = \frac{100}{100-71,984} = 3,5693890$$

11. Sampel P11

$$\text{Kadar air} = \frac{5-1,4022}{5} \times 100\% = 71,956 \%$$

$$\text{Fk} = \frac{100}{100-71,956} = 3,5658252$$

12. Sampel P12

$$\text{Kadar air} = \frac{5-1,2019}{5} \times 100\% = 75,962 \%$$

$$\text{Fk} = \frac{100}{100-75,962} = 4,1600799$$

13. Sampel P13

$$\text{Kadar air} = \frac{5-1,1091}{5} \times 100\% = 77,818 \%$$

$$\text{Fk} = \frac{100}{100-77,818} = 4,5081598$$

14. Sampel P14

$$\text{Kadar air} = \frac{5-1,1638}{5} \times 100\% = 76,724 \%$$

$$\text{Fk} = \frac{100}{100-76,724} = 4,2962709$$

15. Sampel P15

$$\text{Kadar air} = \frac{5-0,8804}{5} \times 100\% = 82,392 \%$$

$$\text{Fk} = \frac{100}{100-82,392} = 5,6798819$$

16. Sampel P16

$$\text{Kadar air} = \frac{5-0,8004}{5} \times 100\% = 83,992 \%$$

$$\text{Fk} = \frac{100}{100-83,992} = 6,2468756$$

Persen Penyusutan

Simbol sampel	Komposisi sampah dalam 2 kg			Massa Bahan Pengomposan (gram)		Penyusutan (%)
	Sampah sayuran Tomat	Sampah sayuran kentang	Sampah buah kulit pisang	Sebelum	Sesudah	
P1	667 gram	667 gram	667 gram	2001 gram	1174 gram	41%
P2	1 kg	500 gram	500 gram	2000 gram	1178 gram	41%
P3	500 gram	1 kg	500 gram	2000 gram	1178 gram	41%
P4	500 gram	500 gram	1 kg	2000 gram	1178 gram	41%
P5	667 gram	667 gram	667 gram	2001 gram	1245 gram	38%
P6	1 kg	500 gram	500 gram	2000 gram	1217 gram	39%
P7	500 gram	1 kg	500 gram	2000 gram	1206 gram	40%
P8	500 gram	500 gram	1 kg	2000 gram	1217 gram	39%
P9	667 gram	667 gram	667 gram	2001 gram	1382 gram	31%
P10	1 kg	500 gram	500 gram	2000 gram	1365 gram	32%
P11	500 gram	1 kg	500 gram	2000 gram	1382 gram	31%
P12	500 gram	500 gram	1 kg	2000 gram	1355 gram	32%
P13	667 gram	667 gram	667 gram	2001 gram	1403 gram	30%
P14	1 kg	500 gram	500 gram	2000 gram	1347 gram	33%
P15	500 gram	1 kg	500 gram	2000 gram	1366 gram	32%
P16	500 gram	500 gram	1 kg	2000 gram	1382 gram	31%

Perhitungan

$$\frac{\text{berat awal} - \text{berat akhir}}{\text{berat awal}} \times 100\%$$

1. Persen Penyusutan (%) = $\frac{2001 \text{ gram} - 1174 \text{ gram}}{2001 \text{ gram}} \times 100\% = 41\%$
2. Persen Penyusutan (%) = $\frac{2000 \text{ gram} - 1178 \text{ gram}}{2000 \text{ gram}} \times 100\% = 41\%$
3. Persen Penyusutan (%) = $\frac{2000 \text{ gram} - 1178 \text{ gram}}{2000 \text{ gram}} \times 100\% = 41\%$
4. Persen Penyusutan (%) = $\frac{2000 \text{ gram} - 11178 \text{ gram}}{2000 \text{ gram}} \times 100\% = 41\%$
5. Persen Penyusutan (%) = $\frac{2001 \text{ gram} - 1245 \text{ gram}}{2001 \text{ gram}} \times 100\% = 38\%$
6. Persen Penyusutan (%) = $\frac{2000 \text{ gram} - 1217 \text{ gram}}{2000 \text{ gram}} \times 100\% = 39\%$
7. Persen Penyusutan (%) = $\frac{2000 \text{ gram} - 1206 \text{ gram}}{2000 \text{ gram}} \times 100\% = 40\%$

8. Persen Penyusutan (%) = $\frac{2000 \text{ gram} - 1217 \text{ gram}}{2000 \text{ gram}} \times 100\% = 39\%$
9. Persen Penyusutan (%) = $\frac{2001 \text{ gram} - 1382 \text{ gram}}{2001 \text{ gram}} \times 100\% = 31\%$
10. Persen Penyusutan (%) = $\frac{2000 \text{ gram} - 1365 \text{ gram}}{2000 \text{ gram}} \times 100\% = 32\%$
11. Persen Penyusutan (%) = $\frac{2000 \text{ gram} - 1382 \text{ gram}}{2000 \text{ gram}} \times 100\% = 31\%$
12. Persen Penyusutan (%) = $\frac{2000 \text{ gram} - 1365 \text{ gram}}{2000 \text{ gram}} \times 100\% = 32\%$
13. Persen Penyusutan (%) = $\frac{2001 \text{ gram} - 1403 \text{ gram}}{2001 \text{ gram}} \times 100\% = 30\%$
14. Persen Penyusutan (%) = $\frac{2000 \text{ gram} - 1347 \text{ gram}}{2000 \text{ gram}} \times 100\% = 33\%$
15. Persen Penyusutan (%) = $\frac{2000 \text{ gram} - 1366 \text{ gram}}{2000 \text{ gram}} \times 100\% = 32\%$
16. Persen Penyusutan (%) = $\frac{2000 \text{ gram} - 1382 \text{ gram}}{2000 \text{ gram}} \times 100\% = 31\%$

b. Data pengujian kadar air tanah

Simbol	Sampel (gram)	Oven 4 jam (gram)	Oven 8 jam (gram)	Oven 12 jam (gram)	Oven 16 jam (gram)	Kadar air (%)	Fk
T0	5	2,612	2,5547	2,5536	2,5534	48,94%	1,9584802
T1	5	2,5988	2,5765	2,5656	2,5655	48,69%	1,9489378
T2	5	2,4982	2,4663	2,4568	2,4566	50,87 %	2,0356142
T3	5	2,517	2,4883	2,4845	2,4843	50,32%	2,0128824
T4	5	2,3890	1,9890	1,9875	1,9873	60,254%	2,5159764
T5	5	2,0967	1,7867	1,7865	1,7862	64,276 %	2,7992386
T6	5	3,7542	3,5512	3,5441	3,5439	29,122%	1,4108750
T7	5	3,2928	3,2408	3,2389	3,2387	35,226 %	1,5438293
T8	5	1,8702	1,7512	1,7454	1,7452	65,096 %	2,8650011
T9	5	1,8874	1,2872	1,0763	1,0762	78,476%	4,6459765
T10	5	2,8632	2,7698	2,7655	2,7654	44,692%	1,8080567
T11	5	3,3243	3,0245	3,0228	3,0227	39,546 %	1,6541502
T12	5	3,2411	3,1276	3,1230	3,1228	37,544 %	1,6011271
T13	5	3,7512	3,5465	3,5434	3,5433	29,134%	4,2962708
T14	5	3,3321	3,1165	3,1146	3,1144	37,712%	1,6054456
T15	5	2,4226	2,0276	2,0224	2,0223	59,554%	2,4724323
T16	5	2,311	2,0132	2,0101	2,0099	59,802%	2,4876859

$$\text{Kadar Air} = \frac{W_1 - W_2}{W} \times 100\%$$

dengan :

W = Berat sampel (gram)

W₁ = Berat sampel sebelum dikeringkan (gram)

W₂ = Berat sampel sesudah dikeringkan (gram)

$$\text{Faktor koreksi kadar air (fk)} = \frac{100}{100 - \text{kadar air}}$$

1. Sampel T0

$$\text{Kadar air} = \frac{5 - 2,5534}{5} \times 100\% = 48,94 \%$$

$$\text{Fk} = \frac{100}{100 - 48,94} = 1,9584802$$

2. Sampel T1

$$\text{Kadar air} = \frac{5 - 2,5655}{5} \times 100\% = 48,69 \%$$

$$\text{Fk} = \frac{100}{100 - 48,69} = 1,9489378$$

3. Sampel T2

$$\text{Kadar air} = \frac{5 - 2,4566}{5} \times 100\% = 50,87 \%$$

$$\text{Fk} = \frac{100}{100 - 50,87} = 2,0356142$$

4. Sampel T3

$$\text{Kadar air} = \frac{5 - 2,4843}{5} \times 100\% = 50,32 \%$$

$$\text{Fk} = \frac{100}{100 - 50,32} = 2,0128824$$

5. Sampel T4

$$\text{Kadar air} = \frac{5 - 1,9873}{5} \times 100\% = 60,254\%$$

$$\text{Fk} = \frac{100}{100 - 60,254} = 2,5159764$$

6. Sampel T5

$$\text{Kadar air} = \frac{5 - 1,7862}{5} \times 100\% = 64,276 \%$$

$$\text{Fk} = \frac{100}{100 - 64,276} = 2,7992386$$

7. Sampel T6

$$\text{Kadar air} = \frac{5 - 3,5439}{5} \times 100\% = 29,122 \%$$

$$\text{Fk} = \frac{100}{100 - 29,122} = 1,4108750$$

8. Sampel T7

$$\text{Kadar air} = \frac{5 - 3,2387}{5} \times 100\% = 35,226 \%$$

$$\text{Fk} = \frac{100}{100 - 35,226} = 1,5438293$$

9. Sampel T8

$$\text{Kadar air} = \frac{5 - 1,7452}{5} \times 100\% = 65,096 \%$$

$$\text{Fk} = \frac{100}{100 - 65,096} = 2,8650011$$

10. Sampel T9

$$\text{Kadar air} = \frac{5 - 1,0762}{5} \times 100\% = 78,476 \%$$

$$\text{Fk} = \frac{100}{100 - 78,476} = 4,6459765$$

11. Sampel T10

$$\text{Kadar air} = \frac{5-2,7654}{5} \times 100\% = 44,692 \%$$

$$\text{Fk} = \frac{100}{100-44,692} = 1,8080567$$

12. Sampel T11

$$\text{Kadar air} = \frac{5-3,0227}{5} \times 100\% = 39,546 \%$$

$$\text{Fk} = \frac{100}{100-39,546} = 1,6541502$$

13. Sampel T12

$$\text{Kadar air} = \frac{5-3,1228}{5} \times 100\% = 37,544\%$$

$$\text{Fk} = \frac{100}{100-37,544} = 1,6011271$$

14. Sampel T13

$$\text{Kadar air} = \frac{5-3,5433}{5} \times 100\% = 29,134\%$$

$$\text{Fk} = \frac{100}{100-29,134} = 4,2962708$$

15. Sampel T14

$$\text{Kadar air} = \frac{5-3,1144}{5} \times 100\% = 37,712\%$$

$$\text{Fk} = \frac{100}{100-37,712} = 1,6054456$$

16. Sampel T15

$$\text{Kadar air} = \frac{5-2,0223}{5} \times 100\% = 59,554\%$$

$$\text{Fk} = \frac{100}{100-59,554} = 2,4724323$$

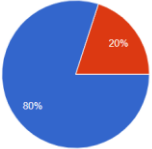
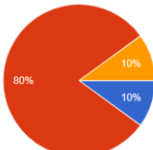
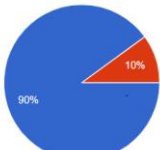
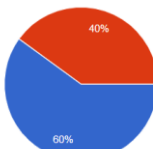

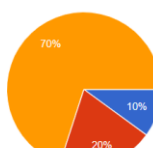

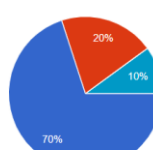

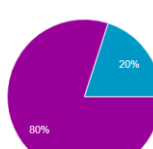

17. Sampel T16

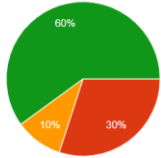

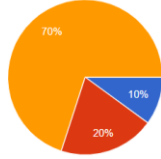

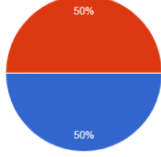

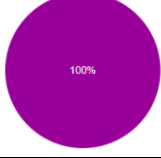

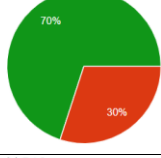
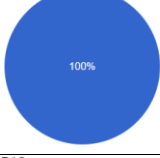
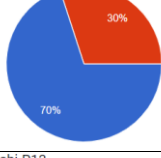
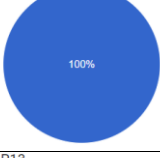
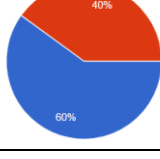
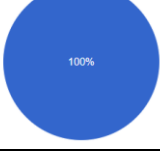
$$\text{Kadar air} = \frac{5-2,0099}{5} \times 100\% = 59,802\%$$

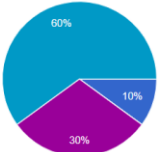

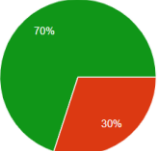

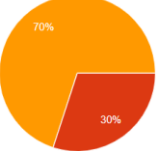

$$\text{Fk} = \frac{100}{100-59,802} = 2,4876859$$

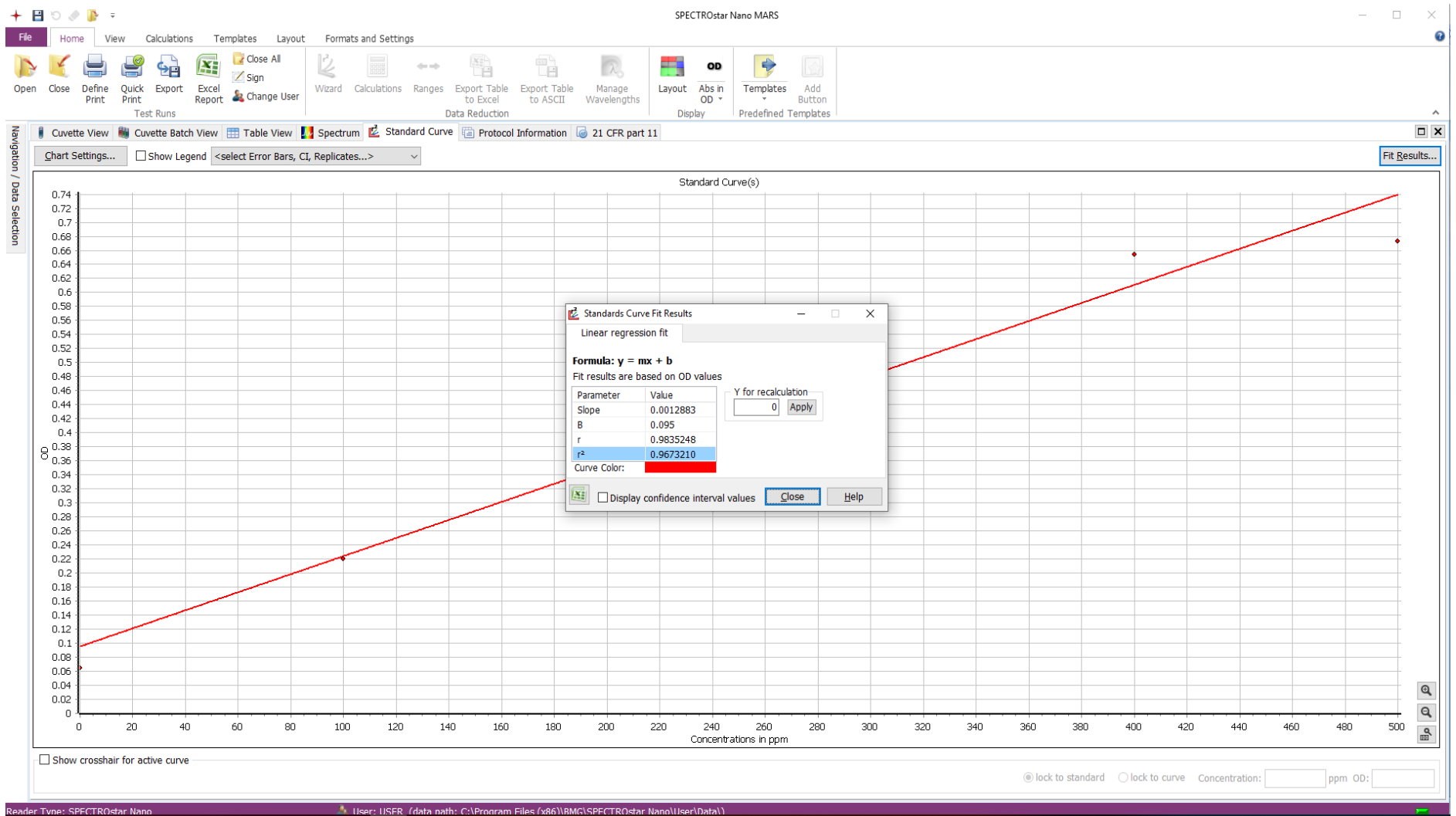
Hasil Uji Organoleptik

Hasil Hasil uji organoleptik berdasarkan hasil kuesioner dari 10 responden terhadap warna dan bau Pupuk Bokashi

Warna Pupuk Bokashi	Bau Pupuk Bokashi
<p>Warna Pupuk Bokashi P1 10 jawaban</p>  <ul style="list-style-type: none"> ● coklat kehitaman ● coklat ● kehitaman ● abu-abu ● merah kecoklatan ● merah kehitaman 	<p>Bau pupuk bokashi P1 10 jawaban</p>  <ul style="list-style-type: none"> ● Bau menyengat ● Bau tanah
<p>Warna Pupuk Bokashi P2 10 jawaban</p>  <ul style="list-style-type: none"> ● coklat kehitaman ● coklat ● kehitaman ● abu-abu ● merah kecoklatan ● merah kehitaman 	<p>Bau pupuk bokashi P2 10 jawaban</p>  <ul style="list-style-type: none"> ● Bau menyengat ● Bau tanah
<p>Warna Pupuk Bokashi P3 10 jawaban</p>  <ul style="list-style-type: none"> ● coklat kehitaman ● coklat ● kehitaman ● abu-abu ● merah kecoklatan ● merah kehitaman 	<p>Bau pupuk bokashi P3 10 jawaban</p>  <ul style="list-style-type: none"> ● Bau menyengat ● Bau tanah
<p>Warna Pupuk Bokashi P4 10 jawaban</p>  <ul style="list-style-type: none"> ● coklat kehitaman ● coklat ● kehitaman ● abu-abu ● merah kecoklatan ● merah kehitaman 	<p>Bau pupuk bokashi P4 10 jawaban</p>  <ul style="list-style-type: none"> ● Bau menyengat ● Bau tanah
<p>Warna Pupuk Bokashi P5 10 jawaban</p>  <ul style="list-style-type: none"> ● coklat kehitaman ● coklat ● kehitaman ● abu-abu ● merah kecoklatan ● merah kehitaman 	<p>Bau pupuk bokashi P5 10 jawaban</p>  <ul style="list-style-type: none"> ● Bau menyengat ● Bau tanah
<p>Warna Pupuk Bokashi P6 10 jawaban</p>  <ul style="list-style-type: none"> ● coklat kehitaman ● coklat ● kehitaman ● abu-abu ● merah kecoklatan ● merah kehitaman 	<p>Bau pupuk bokashi P6 10 jawaban</p>  <ul style="list-style-type: none"> ● Bau menyengat ● Bau tanah

Warna Pupuk Bokashi	Bau Pupuk Bokashi
<p>Warna Pupuk Bokashi P7 10 jawaban</p>  <ul style="list-style-type: none"> ● coklat kehitaman ● coklat ● kehitaman ● abu-abu ● merah kecoklatan ● merah kehitaman 	<p>Bau pupuk bokashi P7 10 jawaban</p>  <ul style="list-style-type: none"> ● Bau menyangat ● Bau tanah
<p>Warna Pupuk Bokashi P8 10 jawaban</p>  <ul style="list-style-type: none"> ● coklat kehitaman ● coklat ● kehitaman ● abu-abu ● merah kecoklatan ● merah kehitaman 	<p>Bau pupuk bokashi P8 10 jawaban</p>  <ul style="list-style-type: none"> ● Bau menyangat ● Bau tanah
<p>Warna Pupuk Bokashi P9 10 jawaban</p>  <ul style="list-style-type: none"> ● coklat kehitaman ● coklat ● kehitaman ● abu-abu ● merah kecoklatan ● merah kehitaman 	<p>Bau pupuk bokashi P9 10 jawaban</p>  <ul style="list-style-type: none"> ● Bau menyangat ● Bau tanah
<p>Warna Pupuk Bokashi P10 10 jawaban</p>  <ul style="list-style-type: none"> ● coklat kehitaman ● coklat ● kehitaman ● abu-abu ● merah kecoklatan ● merah kehitaman 	<p>Bau pupuk bokashi P10 10 jawaban</p>  <ul style="list-style-type: none"> ● Bau menyangat ● Bau tanah
<p>Warna Pupuk Bokashi P11 10 jawaban</p>  <ul style="list-style-type: none"> ● coklat kehitaman ● coklat ● kehitaman ● abu-abu ● merah kecoklatan ● merah kehitaman 	<p>Bau pupuk bokashi P11 10 jawaban</p>  <ul style="list-style-type: none"> ● Bau menyangat ● Bau tanah
<p>Warna Pupuk Bokashi P12 10 jawaban</p>  <ul style="list-style-type: none"> ● coklat kehitaman ● coklat ● kehitaman ● abu-abu ● merah kecoklatan ● merah kehitaman 	<p>Bau pupuk bokashi P12 10 jawaban</p>  <ul style="list-style-type: none"> ● Bau menyangat ● Bau tanah
<p>Warna Pupuk Bokashi P13 10 jawaban</p>  <ul style="list-style-type: none"> ● coklat kehitaman ● coklat ● kehitaman ● abu-abu ● merah kecoklatan ● merah kehitaman 	<p>Bau pupuk bokashi P13 10 jawaban</p>  <ul style="list-style-type: none"> ● Bau menyangat ● Bau tanah

Warna Pupuk Bokashi	Bau Pupuk Bokashi
<p>Warna Pupuk Bokashi P14 10 jawaban</p>  <ul style="list-style-type: none"> ● coklat kehitaman ● coklat ● kehitaman ● abu-abu ● merah kecoklatan ● merah kehitaman 	<p>Bau pupuk bokashi P14 10 jawaban</p>  <ul style="list-style-type: none"> ● Bau menyengat ● Bau tanah
<p>Warna Pupuk Bokashi P15 10 jawaban</p>  <ul style="list-style-type: none"> ● coklat kehitaman ● coklat ● kehitaman ● abu-abu ● merah kecoklatan ● merah kehitaman 	<p>Bau pupuk bokashi P15 10 jawaban</p>  <ul style="list-style-type: none"> ● Bau menyengat ● Bau tanah
<p>Warna Pupuk Bokashi P16 10 jawaban</p>  <ul style="list-style-type: none"> ● coklat kehitaman ● coklat ● kehitaman ● abu-abu ● merah kecoklatan ● merah kehitaman 	<p>Bau pupuk bokashi P16 10 jawaban</p>  <ul style="list-style-type: none"> ● Bau menyengat ● Bau tanah



Perhitungan C-organik

Sampel	ppm kurva	Volume ekstrak	Masa contoh	fk	C-Organik
P1	589,474 ppm	25 ml	125 mg	4,4547399	52,52%
P2	370,118 ppm	25 ml	125 mg	4,1802525	30,94%
P3	370,894 ppm	25 ml	125 mg	3,9920160	29,61%
P4	377,026 ppm	25 ml	125 mg	5,1953450	39,17%
P5	494,001 ppm	25 ml	125 mg	7,0008402	69,17%
P6	429,809 ppm	25 ml	125 mg	4,7290268	40,65%
P7	399,226 ppm	25 ml	125 mg	4,3863497	35,02%
P8	525,748 ppm	25 ml	125 mg	5,2471404	55,17%
P9	380,675 ppm	25 ml	125 mg	3,1735957	24,16%
P10	360,26 ppm	25 ml	125 mg	3,5693890	25,72%
P11	676,099 ppm	25 ml	125 mg	3,5658252	48,22%
P12	411,723 ppm	25 ml	125 mg	4,1600799	34,25%
P13	383,857 ppm	25 ml	125 mg	4,5081598	34,61%
P14	671,52 ppm	25 ml	125 mg	4,2962709	57,7%
P15	395,19 ppm	25 ml	125 mg	5,6798819	44,89%
P16	377,182 ppm	25 ml	125 mg	6,0916179	45,95%

$$\text{Kadar C-organik (\%)} = \text{ppm kurva} \times \frac{\text{ml ekstrak}}{1000} \times \frac{100}{\text{mg contoh}} \times \text{fk}$$

$$\text{C-organik (P1)} = 589,474 \text{ ppm} \times \frac{25 \text{ ml}}{1000} \times \frac{100}{125 \text{ mg}} \times 4,4547399 = 52,519\%$$

$$\text{C-organik (P2)} = 370,118 \text{ ppm} \times \frac{25 \text{ ml}}{1000} \times \frac{100}{125 \text{ mg}} \times 4,1802525 = 30,9437\%$$

$$\text{C-organik (P3)} = 370,894 \text{ ppm} \times \frac{25 \text{ ml}}{1000} \times \frac{100}{125 \text{ mg}} \times 3,9920160 = 29,6122\%$$

$$\text{C-organik (P4)} = 377,026 \text{ ppm} \times \frac{25 \text{ ml}}{1000} \times \frac{100}{125 \text{ mg}} \times 5,1953450 = 39,1756\%$$

$$\text{C-organik (P5)} = 494,001 \text{ ppm} \times \frac{25 \text{ ml}}{1000} \times \frac{100}{125 \text{ mg}} \times 7,0008402 = 69,1684\%$$

$$\text{C-organik (P6)} = 429,809 \text{ ppm} \times \frac{25 \text{ ml}}{1000} \times \frac{100}{125 \text{ mg}} \times 4,7290268 = 40,6515\%$$

$$\text{C-organik (P7)} = 399,226 \text{ ppm} \times \frac{25 \text{ ml}}{1000} \times \frac{100}{125 \text{ mg}} \times 4,3863497 = 35,0228\%$$

$$\text{C-organik (P8)} = 525,748 \text{ ppm} \times \frac{25 \text{ ml}}{1000} \times \frac{100}{125 \text{ mg}} \times 5,2471404 = 55,1735\%$$

$$\text{C-organik (P9)} = 380,675 \text{ ppm} \times \frac{25 \text{ ml}}{1000} \times \frac{100}{125 \text{ mg}} \times 3,1735957 = 24,1621\%$$

$$\text{C-organik (P10)} = 360,26 \text{ ppm} \times \frac{25 \text{ ml}}{1000} \times \frac{100}{125 \text{ mg}} \times 3,5693890 = 25,7181\%$$

$$\text{C-organik (P11)} = 676,099 \text{ ppm} \times \frac{25 \text{ ml}}{1000} \times \frac{100}{125 \text{ mg}} \times 3,5658252 = 48,217\%$$

$$\text{C-organik (P12)} = 411,723 \text{ ppm} \times \frac{25 \text{ ml}}{1000} \times \frac{100}{125 \text{ mg}} \times 4,1600799 = 34,256\%$$

$$\text{C-organik (P13)} = 383,857 \text{ ppm} \times \frac{25 \text{ ml}}{1000} \times \frac{100}{125 \text{ mg}} \times 4,5081598 = 34,6097\%$$

$$\text{C-organik (P14)} = 671,52 \text{ ppm} \times \frac{25 \text{ ml}}{1000} \times \frac{100}{125 \text{ mg}} \times 4,2962709 = 57,7\%$$

$$\text{C-organik (P15)} = 395,19 \text{ ppm} \times \frac{25 \text{ ml}}{1000} \times \frac{100}{125 \text{ mg}} \times 5,6798819 = 44,8926\%$$

$$\text{C-organik (P16)} = 377,182 \text{ ppm} \times \frac{25 \text{ ml}}{1000} \times \frac{100}{125 \text{ mg}} \times 6,0916179 = 45,953\%$$

Perhitungan C/N rasio

Sampel	C-organik	N-total	C/N rasio
P1	52,52%	2,67%	19,67
P2	30,94%	2,62%	11,8
P3	29,61%	2,78%	10,65
P4	39,17%	2,68%	14,61
P5	69,17%	2,66%	26
P6	40,65%	2,76%	14,73
P7	35,02%	2,98%	11,75
P8	55,17%	2,43%	22,7
P9	24,16%	2,13%	11,34
P10	25,72%	2,05%	12,55
P11	48,22%	1,94%	24,85
P12	34,25%	2,57%	13,33
P13	34,61%	2,02%	17,13
P14	57,7%	1,82%	31,7
P15	44,89%	1,84%	24,4
P16	45,95%	1,92%	23,9

C/N Rasio = % C-organik / % N-total

$$\text{C/N rasio (P1)} = \frac{52,52\%}{2,67\%} = 19,67\%$$

$$\text{C/N rasio (P2)} = \frac{30,94\%}{2,62\%} = 11,8\%$$

$$\text{C/N rasio (P3)} = \frac{29,61\%}{2,78\%} = 10,65\%$$

$$\text{C/N rasio (P4)} = \frac{39,17\%}{2,68\%} = 14,61\%$$

$$\text{C/N rasio (P5)} = \frac{69,17\%}{2,66\%} = 26\%$$

$$\text{C/N rasio (P6)} = \frac{40,65\%}{2,76\%} = 14,73\%$$

$$\text{C/N rasio (P7)} = \frac{35,02\%}{2,98\%} = 11,75\%$$

$$\text{C/N rasio (P8)} = \frac{55,17\%}{2,43\%} = 22,7\%$$

$$\text{C/N rasio (P9)} = \frac{24,16\%}{2,13\%} = 11,34\%$$

$$\text{C/N rasio (P10)} = \frac{25,72\%}{2,05\%} = 12,55\%$$

$$\text{C/N rasio (P11)} = \frac{48,22\%}{1,94\%} = 24,85\%$$

$$\text{C/N rasio (P12)} = \frac{34,25\%}{2,57\%} = 13,33\%$$

$$\text{C/N rasio (P13)} = \frac{34,61\%}{2,02\%} = 17,13\%$$

$$\text{C/N rasio (P14)} = \frac{57,7\%}{1,82\%} = 31,7\%$$

$$\text{C/N rasio (P15)} = \frac{44,89\%}{1,84\%} = 24,4\%$$

$$\text{C/N rasio (P16)} = \frac{45,95\%}{1,92\%} = 23,9\%$$

Perhitungan C-organik

Sampel	ppm kurva	Volume ekstrak	Masa contoh	fk	C-Organik
P1	589,474 ppm	25 ml	125 mg	4,4547399	52,52%
P2	370,118 ppm	25 ml	125 mg	4,1802525	30,94%
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P4	377,026 ppm	25 ml	125 mg	5,1953450	39,17%
P5	494,001 ppm	25 ml	125 mg	7,0008402	69,17%
P6	429,809 ppm	25 ml	125 mg	4,7290268	40,65%
P7	399,226 ppm	25 ml	125 mg	4,3863497	35,02%
P8	525,748 ppm	25 ml	125 mg	5,2471404	55,17%
P9	380,675 ppm	25 ml	125 mg	3,1735957	24,16%
P10	360,26 ppm	25 ml	125 mg	3,5693890	25,72%
P11	676,099 ppm	25 ml	125 mg	3,5658252	48,22%
P12	411,723 ppm	25 ml	125 mg	4,1600799	34,25%
P13	383,857 ppm	25 ml	125 mg	4,5081598	34,61%
P14	671,52 ppm	25 ml	125 mg	4,2962709	57,7%
P15	395,19 ppm	25 ml	125 mg	5,6798819	44,89%
P16	377,182 ppm	25 ml	125 mg	6,0916179	45,95%
T0	236,067 ppm	25 ml	125 mg	1,9584802	9,24%
T1	48,768 ppm	25 ml	125 mg	1,9489378	1,9%
T2	196,869 ppm	25 ml	125 mg	2,0356142	8,01%
T3	26,724 ppm	25 ml	125 mg	2,0128824	1,07%
T4	30,993 ppm	25 ml	125 mg	2,5159764	1,55%
T5	173,505 ppm	25 ml	125 mg	2,7992386	9,71%
T6	174,281 ppm	25 ml	125 mg	1,4108750	4,91%
T7	46,051 ppm	25 ml	125 mg	1,5438293	1,42%
T8	67,63 ppm	25 ml	125 mg	2,8650011	3,87%
T9	289,936 ppm	25 ml	125 mg	4,6459765	26,94%
T10	75,935 ppm	25 ml	125 mg	1,8080567	2,74%
T11	38,444 ppm	25 ml	125 mg	1,6541502	1,27%
T12	49,855 ppm	25 ml	125 mg	1,6011271	1,59%
T13	27,655 ppm	25 ml	125 mg	4,2962708	2,37%
T14	36,659 ppm	25 ml	125 mg	1,6054456	1,17%
T15	113,737 ppm	25 ml	125 mg	2,4724323	5,62%
T16	68,717 ppm	25 ml	125 mg	2,4876859	3,41%

$$\text{Kadar C-organik (\%)} = \text{ppm kurva} \times \frac{\text{ml ekstrak}}{1000} \times \frac{100}{\text{mg contoh}} \times \text{fk}$$

$$\text{C-organik (P1)} = 589,474 \text{ ppm} \times \frac{25 \text{ ml}}{1000} \times \frac{100}{125 \text{ mg}} \times 4,4547399 = 52,519\%$$

$$\text{C-organik (P2)} = 370,118 \text{ ppm} \times \frac{25 \text{ ml}}{1000} \times \frac{100}{125 \text{ mg}} \times 4,1802525 = 30,9437\%$$

$$\text{C-organik (P3)} = 370,894 \text{ ppm} \times \frac{25 \text{ ml}}{1000} \times \frac{100}{125 \text{ mg}} \times 3,9920160 = 29,6122\%$$

$$\text{C-organik (P4)} = 377,026 \text{ ppm} \times \frac{25 \text{ ml}}{1000} \times \frac{100}{125 \text{ mg}} \times 5,1953450 = 39,1756\%$$

$$\text{C-organik (P5)} = 494,001 \text{ ppm} \times \frac{25 \text{ ml}}{1000} \times \frac{100}{125 \text{ mg}} \times 7,0008402 = 69,1684\%$$

$$\text{C-organik (P6)} = 429,809 \text{ ppm} \times \frac{25 \text{ ml}}{1000} \times \frac{100}{125 \text{ mg}} \times 4,7290268 = 40,6515\%$$

$$\text{C-organik (P7)} = 399,226 \text{ ppm} \times \frac{25 \text{ ml}}{1000} \times \frac{100}{125 \text{ mg}} \times 4,3863497 = 35,0228\%$$

$$\text{C-organik (P8)} = 525,748 \text{ ppm} \times \frac{25 \text{ ml}}{1000} \times \frac{100}{125 \text{ mg}} \times 5,2471404 = 55,1735\%$$

$$\text{C-organik (P9)} = 380,675 \text{ ppm} \times \frac{25 \text{ ml}}{1000} \times \frac{100}{125 \text{ mg}} \times 3,1735957 = 24,1621\%$$

$$\text{C-organik (P10)} = 360,26 \text{ ppm} \times \frac{25 \text{ ml}}{1000} \times \frac{100}{125 \text{ mg}} \times 3,5693890 = 25,7181\%$$

$$\text{C-organik (P11)} = 676,099 \text{ ppm} \times \frac{25 \text{ ml}}{1000} \times \frac{100}{125 \text{ mg}} \times 3,5658252 = 48,217\%$$

$$\text{C-organik (P12)} = 411,723 \text{ ppm} \times \frac{25 \text{ ml}}{1000} \times \frac{100}{125 \text{ mg}} \times 4,1600799 = 34,256\%$$

$$\text{C-organik (P13)} = 383,857 \text{ ppm} \times \frac{25 \text{ ml}}{1000} \times \frac{100}{125 \text{ mg}} \times 4,5081598 = 34,6097\%$$

$$\text{C-organik (P14)} = 671,52 \text{ ppm} \times \frac{25 \text{ ml}}{1000} \times \frac{100}{125 \text{ mg}} \times 4,2962709 = 57,7\%$$

$$\text{C-organik (P15)} = 395,19 \text{ ppm} \times \frac{25 \text{ ml}}{1000} \times \frac{100}{125 \text{ mg}} \times 5,6798819 = 44,8926\%$$

$$\text{C-organik (P16)} = 377,182 \text{ ppm} \times \frac{25 \text{ ml}}{1000} \times \frac{100}{125 \text{ mg}} \times 6,0916179 = 45,953\%$$

$$\text{C-organik (T0)} = 236,067 \text{ ppm} \times \frac{25 \text{ ml}}{1000} \times \frac{100}{125 \text{ mg}} \times 1,9584802 = 9,246\%$$

$$\text{C-organik (T1)} = 48,768 \text{ ppm} \times \frac{25 \text{ ml}}{1000} \times \frac{100}{125 \text{ mg}} \times 1,9489378 = 1,901\%$$

$$\text{C-organik (T2)} = 196,869 \text{ ppm} \times \frac{25 \text{ ml}}{1000} \times \frac{100}{125 \text{ mg}} \times 2,0356142 = 8,014\%$$

$$\text{C-organik (T3)} = 26,724 \text{ ppm} \times \frac{25 \text{ ml}}{1000} \times \frac{100}{125 \text{ mg}} \times 2,0128824 = 1,075\%$$

$$\text{C-organik (T4)} = 30,993 \text{ ppm} \times \frac{25 \text{ ml}}{1000} \times \frac{100}{125 \text{ mg}} \times 2,5159764 = 1,559\%$$

$$\text{C-organik (T5)} = 173,505 \text{ ppm} \times \frac{25 \text{ ml}}{1000} \times \frac{100}{125 \text{ mg}} \times 2,7992386 = 9,713\%$$

$$\text{C-organik (T6)} = 174,281 \text{ ppm} \times \frac{25 \text{ ml}}{1000} \times \frac{100}{125 \text{ mg}} \times 1,4108750 = 4,917\%$$

$$\text{C-organik (T7)} = 46,051 \text{ ppm} \times \frac{25 \text{ ml}}{1000} \times \frac{100}{125 \text{ mg}} \times 1,5438293 = 1,421\%$$

$$\text{C-organik (T8)} = 67,63 \text{ ppm} \times \frac{25 \text{ ml}}{1000} \times \frac{100}{125 \text{ mg}} \times 2,8650011 = 3,875\%$$

$$\text{C-organik (T9)} = 289,936 \text{ ppm} \times \frac{25 \text{ ml}}{1000} \times \frac{100}{125 \text{ mg}} \times 4,6459765 = 26,9407\%$$

$$\text{C-organik (T10)} = 75,935 \text{ ppm} \times \frac{25 \text{ ml}}{1000} \times \frac{100}{125 \text{ mg}} \times 1,8080567 = 2,745\%$$

$$\text{C-organik (T11)} = 38,444 \text{ ppm} \times \frac{25 \text{ ml}}{1000} \times \frac{100}{125 \text{ mg}} \times 1,6541502 = 1,271\%$$

$$\text{C-organik (T12)} = 49,855 \text{ ppm} \times \frac{25 \text{ ml}}{1000} \times \frac{100}{125 \text{ mg}} \times 1,6011271 = 1,596\%$$

$$\text{C-organik (T13)} = 27,655 \text{ ppm} \times \frac{25 \text{ ml}}{1000} \times \frac{100}{125 \text{ mg}} \times 4,2962708 = 2,376\%$$

$$\text{C-organik (T14)} = 36,659 \text{ ppm} \times \frac{25 \text{ ml}}{1000} \times \frac{100}{125 \text{ mg}} \times 1,6054456 = 1,177\%$$

$$\text{C-organik (T15)} = 113,737 \text{ ppm} \times \frac{25 \text{ ml}}{1000} \times \frac{100}{125 \text{ mg}} \times 2,4724323 = 5,624\%$$

$$\text{C-organik (T16)} = 68,717 \text{ ppm} \times \frac{25 \text{ ml}}{1000} \times \frac{100}{125 \text{ mg}} \times 2,4876859 = 3,418\%$$

Pertumbuhan Tanaman Tomat

a. Tinggi batang tanaman tomat

Simbol	Media Tanam	Tinggi batang tanaman minggu ke-			
		1	2	3	4
P1	100% pupuk bokasi P1	Tunas	2 cm	Gugur	Gugur
P2	100% pupuk bokasi P2	Tunas	4 cm	7 cm	12 cm
P3	100% pupuk bokasi P3	Tunas	3 cm	6 cm	Gugur
P4	100% pupuk bokasi P4	0,5 cm	2 cm	Gugur	Gugur
P5	100% pupuk bokasi P5	Tunas	3 cm	5 cm	Gugur
P6	100% pupuk bokasi P6	2	3 cm	Gugur	Gugur
P7	100% pupuk bokasi P7	Tunas	3 cm	Gugur	Gugur
P8	100% pupuk bokasi P8	Tunas	2 cm	5 cm	6 cm
P9	100% pupuk bokasi P9	1 cm	3 cm	6 cm	8 cm
P10	100% pupuk bokasi P10	Tunas	4 cm	6 cm	7 cm
P11	100% pupuk bokasi P11	1,5 cm	3 cm	6 cm	7 cm
P12	100% pupuk bokasi P12	2 cm	1 cm	3 cm	5 cm
P13	100% pupuk bokasi P13	1 cm	2 cm	5 cm	8 cm
P14	100% pupuk bokasi P14	2 cm	2 cm	5 cm	8 cm
P15	100% pupuk bokasi P15	Tunas	4 cm	7 cm	10 cm
P16	100% pupuk bokasi P16	2 cm	5 cm	8 cm	12 cm
T	100% tanah	1,5 cm	5 cm	8 cm	12 cm
T1	50% tanah dan 50% P1	4 cm	13 cm	18 cm	19 cm
T2	50% tanah dan 50% P2	3 cm	10 cm	14 cm	20 cm
T3	50% tanah dan 50% P3	3,5 cm	11 cm	15 cm	20 cm
T4	50% tanah dan 50% P4	3 cm	11 cm	14 cm	20 cm
T5	50% tanah dan 50% P5	3,5 cm	11 cm	14 cm	20 cm
T6	50% tanah dan 50% P6	3 cm	9 cm	13 cm	23 cm
T7	50% tanah dan 50% P7	3 cm	8 cm	12 cm	17 cm
T8	50% tanah dan 50% P8	3 cm	5 cm	11 cm	16 cm
T9	50% tanah dan 50% P9	2 cm	9 cm	14 cm	19 cm
T10	50% tanah dan 50% P10	2 cm	9 cm	13 cm	19 cm
T11	50% tanah dan 50% P11	2 cm	8 cm	14 cm	19 cm
T12	50% tanah dan 50% P12	2 cm	4 cm	7 cm	11 cm
T13	50% tanah dan 50% P13	2 cm	6 cm	10 cm	15 cm
T14	50% tanah dan 50% P14	2 cm	6 cm	9 cm	15 cm
T15	50% tanah dan 50% P15	Tunas	7 cm	9 cm	13 cm
T16	50% tanah dan 50% P16	Tunas	6 cm	9 cm	13 cm

b. Jumlah daun tanaman tomat

Simbol	Media Tanam	Jumlah daun tanaman tomat minggu ke-			
		1	2	3	4
P1	100% pupuk bokasi P1	0	2	Mati	Mati
P2	100% pupuk bokasi P2	0	2	4	8
P3	100% pupuk bokasi P3	0	1	3	Mati
P4	100% pupuk bokasi P4	1	1	Mati	Mati
P5	100% pupuk bokasi P5	0	1	4	Mati
P6	100% pupuk bokasi P6	1	2	Mati	Mati
P7	100% pupuk bokasi P7	0	2	Mati	Mati
P8	100% pupuk bokasi P8	0	2	2	4
P9	100% pupuk bokasi P9	1	2	4	5
P10	100% pupuk bokasi P10	0	1	2	4
P11	100% pupuk bokasi P11	1	2	2	4
P12	100% pupuk bokasi P12	1	2	3	5
P13	100% pupuk bokasi P13	2	2	4	5
P14	100% pupuk bokasi P14	2	3	4	6
P15	100% pupuk bokasi P15	0	1	2	4
P16	100% pupuk bokasi P16	2	4	6	8
T	100% tanah	2	10	14	22
T1	50% tanah dan 50% P1	2	10	12	22
T2	50% tanah dan 50% P2	2	6	12	20
T3	50% tanah dan 50% P3	2	10	18	21
T4	50% tanah dan 50% P4	2	8	10	25
T5	50% tanah dan 50% P5	2	5	13	25
T6	50% tanah dan 50% P6	2	13	26	37
T7	50% tanah dan 50% P7	2	10	16	22
T8	50% tanah dan 50% P8	2	8	15	21
T9	50% tanah dan 50% P9	2	4	10	21
T10	50% tanah dan 50% P10	2	4	16	22
T11	50% tanah dan 50% P11	2	7	12	18
T12	50% tanah dan 50% P12	2	6	17	23
T13	50% tanah dan 50% P13	2	9	14	18
T14	50% tanah dan 50% P14	2	7	12	19
T15	50% tanah dan 50% P15	0	3	9	17
T16	50% tanah dan 50% P16	0	4	8	14

c. Warna daun pada tanaman tomat

Simbol	Media Tanam	Warna daun tanaman tomat minggu ke-			
		1	2	3	4
P1	100% pupuk bokasi P1	Tunas	Kuning	Mati	Mati
P2	100% pupuk bokasi P2	Tunas	Hijau segar	Coklat	8
P3	100% pupuk bokasi P3	Tunas	Kuning	Coklat	Mati
P4	100% pupuk bokasi P4	Hijau segar	Hijau	Mati	Mati
P5	100% pupuk bokasi P5	Tunas	Kuning	Coklat	Mati
P6	100% pupuk bokasi P6	Hijau segar	Kuning	Mati	Mati
P7	100% pupuk bokasi P7	Tunas	Kuning	Mati	Mati
P8	100% pupuk bokasi P8	Tunas	Hijau segar	Hijau segar	Hijau segar
P9	100% pupuk bokasi P9	Hijau segar	Hijau segar	Hijau segar	Hijau segar
P10	100% pupuk bokasi P10	Tunas	Hijau segar	Hijau segar	Hijau segar
P11	100% pupuk bokasi P11	Hijau segar	Hijau segar	Hijau segar	Hijau segar
P12	100% pupuk bokasi P12	Hijau segar	Hijau segar	Hijau segar	Hijau segar
P13	100% pupuk bokasi P13	Hijau segar	Hijau segar	Hijau segar	Hijau segar
P14	100% pupuk bokasi P14	Hijau segar	Hijau segar	Hijau segar	Hijau segar
P15	100% pupuk bokasi P15	Tunas	Hijau segar	Hijau segar	Hijau segar
P16	100% pupuk bokasi P16	Hijau segar	Hijau segar	Hijau segar	Hijau segar
T	100% tanah	Hijau segar	Hijau segar	Hijau segar	Hijau segar
T1	50% tanah dan 50% P1	Hijau segar	Hijau segar	Hijau segar	Hijau segar
T2	50% tanah dan 50% P2	Hijau segar	Hijau segar	Hijau segar	Hijau segar
T3	50% tanah dan 50% P3	Hijau segar	Hijau segar	Hijau segar	Hijau segar
T4	50% tanah dan 50% P4	Hijau	Hijau	Hijau	Hijau

Simbol	Media Tanam	Warna daun tanaman tomat minggu ke-			
		1	2	3	4
		segar	segar	segar	segar
T5	50% tanah dan 50% P5	Hijau segar	Hijau segar	Hijau segar	Hijau segar
T6	50% tanah dan 50% P6	Hijau segar	Hijau segar	Hijau segar	Hijau segar
T7	50% tanah dan 50% P7	Hijau segar	Hijau segar	Hijau segar	Hijau segar
T8	50% tanah dan 50% P8	Hijau segar	Hijau segar	Hijau segar	Hijau segar
T9	50% tanah dan 50% P9	Hijau segar	Hijau segar	Hijau segar	Hijau segar
T10	50% tanah dan 50% P10	Hijau segar	Hijau segar	Hijau segar	Hijau segar
T11	50% tanah dan 50% P11	Hijau segar	Hijau segar	Hijau segar	Hijau segar
T12	50% tanah dan 50% P12	Hijau segar	Hijau segar	Hijau segar	Hijau segar
T13	50% tanah dan 50% P13	Hijau segar	Hijau segar	Hijau segar	Hijau segar
T14	50% tanah dan 50% P14	Hijau segar	Hijau segar	Hijau segar	Hijau segar
T15	50% tanah dan 50% P15	Tunas	Hijau segar	Hijau segar	Hijau segar
T16	50% tanah dan 50% P16	Tunas	Hijau segar	Hijau segar	Hijau segar



**LABORATORIUM DEPARTEMEN ILMU TANAH DAN SUMBERDAYA LAHAN
FAKULTAS PERTANIAN I NSTITUT PERTANIAN BOGOR**

Jl. MERANTI, KAMPUS IPB DARMAGA BOGOR 16680, Telp./ Fax. (0251) 8627792
No. Hp : 085714458811, E-mail : labtanahipb@gmail.com



**LAPORAN HASIL PENGUJIAN
No.243/LHP/Lab DITSL/VII/2023**

NAMA PENGIRIM : Mukti Pangarbowo
ALAMAT PENGIRIM : Politeknik Negeri Cilacap
TANGGAL KIRIM : 19 Mei 2023
TANGGAL PENGUJIAN : 19 Mei - 25 Juli 2023

LOKASI SAMPEL :
JUMLAH SAMPEL : 16 (Enam Belas)
JENIS SAMPEL : Pupuk Organik Padat
TANGGAL SELESAI : 26 Juli 2023

No. Lab	No. Lapang	SNI 7763:2018		
		Kjeldahl	HNO ₃ -HClO ₄	
		N-Total	P ₂ O ₅	K ₂ O
	(%).....(%).....	
EH 0119	P1	2.67	1.36	6.13
EH 0120	P2	2.62	1.16	5.06
EH 0121	P3	2.78	1.17	6.02
EH 0122	P4	2.68	1.28	6.61
EH 0123	P5	2.66	1.38	6.46
EH 0124	P6	2.69	1.27	6.11
EH 0125	P7	2.98	1.32	6.16
EH 0126	P8	2.43	1.13	6.08

Bogor, 26 Juli 2023
Koordinator Laboratorium
Departemen Ilmu Tanah dan Sumberdaya Lahan
Fakultas Pertanian IPB

Dr Ir Arief Hartono, M.Sc. agr.

Catatan :
Hasil pengujian hanya berlaku untuk sampel yang diuji dan tidak untuk diperbanyak

Artivinta



**LABORATORIUM DEPARTEMEN ILMU TANAH DAN SUMBERDAYA LAHAN
FAKULTAS PERTANIAN I NSTITUT PERTANIAN BOGOR**

Jl. MERANTI, KAMPUS IPB DARMAGA BOGOR 16680, Telp./ Fax. (0251) 8627792
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**LAPORAN HASIL PENGUJIAN
No.243/LHP/Lab DITSL/VII/2023**

NAMA PENGIRIM : Mukti Pangaribowo
ALAMAT PENGIRIM : Politeknik Negeri Cilacap
TANGGAL KIRIM : 19 Mei 2023
TANGGAL PENGUJIAN : 19 Mei - 25 Juli 2023

LOKASI SAMPEL :
JUMLAH SAMPEL : 16 (Enam Belas)
JENIS SAMPEL : Pupuk Organik Padat
TANGGAL SELESAI : 26 Juli 2023

No. Lab	No. Lapang	SNI 7763:2018		
		Kjeldahl	HNO ₃ :HClO ₄	
			N-Total	P ₂ O ₅
	(%).....(%).....	
EH 0127	P9	2.13	1.00	5.96
EH 0128	P10	2.05	0.99	5.79
EH 0129	P11	1.94	0.89	5.66
EH 0130	P12	2.57	0.92	6.68
EH 0131	P13	2.02	0.85	3.64
EH 0132	P14	1.82	0.86	4.03
EH 0133	P15	1.84	0.89	4.04
EH 0134	P16	1.92	0.87	4.03

Bogor, 26 Juli 2023
Koordinator Laboratorium
Departemen Ilmu Tanah dan Sumberdaya Lahan
Fakultas Pertanian IPB

Dr Ir Arief Hartono, M.Sc.agr.

Catatan :

Hasil pengujian hanya berlaku untuk sampel yang diuji dan tidak untuk diperbanyak



LAPORAN HASIL PENGUJIAN
No.242LHP/Lab DITSL/VV2023

NAMA PENGIRIM : Mukti Pengaribowo
ALAMAT PENGIRIM : Politeknik Negeri Cilacap
TANGGAL KRIM : 19 Mei 2023
TANGGAL PENGUJIAN : 19 Mei - 06 Juni 2023
LOKASI SAMPEL :
JUMLAH SAMPEL : 17 (Tujuh Belas)
JENIS SAMPEL : Tanah
TANGGAL SELESAI : 07 Juni 2023

No. Lab	No. Lapang	IKM-ITSL-25	IKM-ITSL-03	Bray I	
		Kjeldahl	Bray I		
		N-Total	P		K*
		..(%)..	..(ppm)..		
EH 0102	T0	0.27	185.3	372	
EH 0103	T1	0.33	136.0	3,704	
EH 0104	T2	0.33	114.2	4,025	
EH 0105	T3	0.38	131.4	4,736	
EH 0106	T4	0.40	117.8	3,768	
EH 0107	T5	0.40	132.9	5,747	
EH 0108	T6	0.47	110.4	5,895	
EH 0109	T7	0.38	135.8	4,750	
EH 0110	T8	0.42	136.7	6,238	
EH 0111	T9	0.45	99.4	4,581	
EH 0112	T10	0.44	106.2	3,951	
EH 0113	T11	0.35	109.6	3,522	
EH 0114	T12	0.36	144.0	2,499	
EH 0115	T13	0.45	123.8	3,526	
EH 0116	T14	0.39	106.7	2,664	
EH 0117	T15	0.44	229.4	3,303	
EH 0118	T16	0.35	229.5	1,734	

Keterangan :

* : tidak termasuk ruang lingkup akreditasi

Bogor, 07 Juni 2023
Koordinator Laboratorium
Departemen Ilmu Tanah dan Sumberdaya Lahan
Fakultas Pertanian IPB

Dr Ir Ariel Hartono, M.Sc.agr.


Catatan :

Hasil pengujian hanya berlaku untuk sampel yang diuji dan tidak untuk diperbanyak

Biodata Penulis



Nama : Mukti Pangaribowo
NIM : 190107005
Tempat/Tanggal Lahir : Cilacap, 26 April 2001
Alamat : JL Belut RT 45 RW 04 Sikampung, Kroya, Cilacap
Email : muktipe02@gmail.com
No Telp : 088225161952

Riwayat Pendidikan :

1. SD Negeri Sikampung 02 (2007 – 2013)
2. SMP Negeri 1 Kroya (2013 – 2016)
3. SMA Negeri 2 Kroya (2016 – 2019)
4. Politeknik Negeri Cilacap (2019 – 2023)

Pengalaman Organisasi

- Pengurus Badan Eksekutif Mahasiswa (BEM) Periode 2019/2020
- Pengurus Badan Eksekutif Mahasiswa (BEM) Periode 2020/2021