

LAMPIRAN

Lampiran 1: Hasil Pemeriksaan Laboratorium



**KEMENTERIAN RISET, TEKNOLOGI, DAN PENDIDIKAN TINGGI
UNIVERSITAS PADJADJARAN
FAKULTAS PERTANIAN
DEPARTEMEN ILMU TANAH DAN SUMBERDAYA LAHAN
LABORATORIUM KIMIA TANAH DAN NUTRISI TANAMAN**

Jl. Raya Bandung-Sumedang KM 21, Jatinangor 45363 Telp./Fax: (022) 7795506 E-mail: kalab.kmt@unpad.ac.id

HASIL UJI

Result of Analysis

NO. SAMPLE (Sample No.) : O-0186 / 06 / 2021
NAMA (Name) : Fresha Alfatihani Nur Rimanda
ALAMAT (Address) : Jl. PSM Sukasari No. 61/127 A

No.	No. Sampel	Kode Sampel	Organic - C (%)	Total - N (%)	Ratio C/N	Moisture Content (%)
1	O-0186	V1.P1	44.63	2.26	19.75	42.99
2	O-0187	V1.P2	41.65	2.08	20.02	42.61
3	O-0188	V1.P3	44.61	2.3	19.40	36.05
4	O-0189	V1.P4	44.53	2.05	21.72	42.27
5	O-0190	V1.P5	45.23	2.16	20.94	43.69
6	O-0191	V1.P6	43.72	2.21	19.78	37.03
7	O-0192	V2.P1	41.57	1.75	23.75	33.6
8	O-0193	V2.P2	44.92	1.92	23.40	37.29
9	O-0194	V2.P3	43.45	2.17	20.02	48.74
10	O-0195	V2.P4	45.89	2.03	22.61	34.52
11	O-0196	V2.P5	43.65	1.91	22.85	35.76
12	O-0197	V2.P6	41.97	1.96	21.41	37.88
13	O-0198	V3.P1	42.14	2	21.07	39.24
14	O-0199	V3.P2	45.89	2.01	22.83	40.17
15	O-0200	V3.P3	42.39	1.71	24.79	36.09
16	O-0201	V3.P4	45.78	2.19	20.90	41.67
17	O-0202	V3.P5	44.78	2.01	22.28	41.36
18	O-0203	V3.P6	41.98	1.79	23.45	41.97
19	O-0204	K1	45.86	1.76	26.06	41.97
20	O-0205	K2	46.78	1.64	28.52	41.36
21	O-0206	K3	45.53	1.71	26.63	43

Jatinangor, July 06th, 2021

Approved by;
Head of Laboratory,

Dr. Emma Trimurani Sofyan, S.T., M.P.
NIP. 196603221996032001

HASIL ANALISIS HANYA BERLAKU BAGI CONTOH YANG BERSANGKUTAN. LAPORAN INI TIDAK BOLEH DIPERBANYAK TANPA PERSETUJUAN DARI LABORATORIUM KIMIA TANAH DAN NUTRISI TANAMAN, FAKULTAS PERTANIAN - UNPAD.
The result of analysis is only valid for this sample. This report shall not be reproduced without the approval from Soil Chemistry and Plant Nutrition, Faculty of Agriculture - UNPAD

Lampiran: Hasil Pemeriksaan Kompos Variasi 1

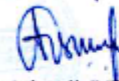
No Seri : 32 A/LHP.PK-0/LKA/VII/2021

No. Contoh: 70/PK-O/MHS/VI/2021

No	Parameter	Satuan	Hasil Pemeriksaan	Metode Pengujian
2	C-organik	%	49,15	SNI 7763:2018
3	N Total (N-org + NH ₄)		1,41	SNI 7763:2018
4	C/N		34,86	-
5	Kadar Air	%	26,24	Gravimetri

Lembang, 01 Juli 2021

Koordinator Satuan Pelayanan
Laboratorium Kimia Agro



Geise Arisandi, S.Si, M.P.

Pembina
NIP. 19781211.200501.2.001

Lampiran: Hasil Pemeriksaan Kompos Variasi 2

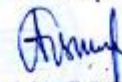
No Seri : 32 B/LHP.PK-0/LKA/VII/2021

No. Contoh: 70/PK-O/MHS/VI/2021

No	Parameter	Satuan	Hasil Pemeriksaan	Metode Pengujian
2	C-organik	%	46,46	SNI 7763:2018
3	N Total (N-org + NH ₄)		1,42	SNI 7763:2018
4	C/N		32,72	-
5	Kadar Air	%	23,76	Gravimetri

Lembang, 01 Juli 2021

Koordinator Satuan Pelayanan
Laboratorium Kimia Agro



Geise Arisandi, S.Si, M.P.
Pembina
NIP. 19781211.200501.2.001

Lampiran: Hasil Pemeriksaan Kompos Variasi 3

No Seri : 32 C/LHP.PK-0/LKA/VII/2021

No. Contoh: 70/PK-O/MHS/VI/2021

No	Parameter	Satuan	Hasil Pemeriksaan	Metode Pengujian
2	C-organik	%	47,81	SNI 7763:2018
3	N Total (N-org + NH ₄)		1,42	SNI 7763:2018
4	C/N		33,67	-
5	Kadar Air	%	26,24	Gravimetri

Lembang, 01 Juli 2021

Koordinator Satuan Pelayanan
Laboratorium Kimia Agro



Geise Arisandi, S.Si, M.P.
Pembina
NIP. 19781211.200501.2.001

Lampiran 2: Pengukuran Data Pendukung Penelitian

1. Pengukuran Suhu Kompos

Hari ke-	Variasi 1						Variasi 2						Variasi 3						Kontrol		
	Pengulangan ke-						Pengulangan ke-						Pengulangan ke-								
	1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6	1	2	3
1	25	25	26	25	26	26	25	24	24	26	25	24	25	25	26	25	25	25	26	25	25
2	28	27	27	28	26	27	25	26	25	26	26	26	25	26	26	26	26	25	27	28	27
3	29	28	28	28	27	27	28	27	28	26	27	26	28	27	26	26	27	28	27	29	27
4	29	29	28	28	29	29	28	27	28	27	27	27	28	27	27	27	27	28	28	29	29
5	33	30	29	29	29	31	29	28	29	30	28	29	28	29	29	29	29	28	29	29	30
6	34	32	29	31	30	31	31	29	33	32	30	32	29	29	29	31	30	30	29	30	30
7	36	32	30	33	30	33	31	32	31	34	30	32	29	30	31	31	30	32	30	30	31
8	34	33	34	32	32	30	34	35	30	34	31	35	30	30	33	33	31	32	30	32	31
9	31	34	32	33	33	30	32	34	30	32	29	33	32	31	33	31	31	33	31	32	29
10	31	33	32	33	33	29	31	30	29	30	29	31	31	31	30	31	29	30	30	30	29
11	29	30	30	29	31	28	28	29	29	29	29	30	30	29	30	29	28	30	30	29	28
12	28	28	28	29	28	28	28	27	27	29	28	29	28	29	28	27	28	28	29	28	27
13	28	27	28	28	27	27	27	27	25	27	27	29	28	27	28	27	27	28	27	28	26
14	26	27	27	26	27	27	26	25	25	25	27	27	26	26	27	26	26	26	27	26	26

2. Pengukuran Kelembaban Kompos

Hari ke-	Variasi 1						Variasi 2						Variasi 3						Kontrol		
	Pengulangan ke-						Pengulangan ke-						Pengulangan ke-								
	1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6	1	2	3
1	70	60	65	70	60	65	65	60	60	65	70	65	70	60	65	65	60	70	65	70	60
2	60	60	55	60	60	55	55	55	50	55	60	50	60	50	55	50	55	55	50	60	55
3	50	55	60	50	55	55	55	50	55	50	60	55	50	55	55	55	55	50	55	50	50
4	60	55	55	55	55	50	55	55	50	60	55	55	55	50	55	55	50	60	50	60	55
5	55	50	50	55	50	55	50	55	50	55	50	50	55	55	50	50	60	55	50	55	55
6	45	60	55	55	55	50	55	50	55	50	55	55	50	50	55	55	55	55	55	50	50
7	55	55	50	50	55	60	55	55	50	55	50	55	55	55	50	55	55	50	55	55	55
8	55	50	60	55	45	50	50	55	55	55	60	50	55	55	55	50	50	60	50	55	45
9	50	60	50	55	55	55	55	50	55	50	55	55	45	50	55	55	55	55	55	50	55
10	45	55	45	50	55	50	45	55	50	55	45	55	55	55	45	55	55	55	55	55	50
11	50	45	55	55	50	55	55	55	45	55	55	50	55	55	55	50	45	50	50	55	55
12	45	55	50	55	55	55	55	50	50	55	50	55	50	50	50	55	50	55	55	50	50
13	50	50	50	50	50	50	50	50	50	60	55	55	55	50	50	60	50	55	50	55	50
14	45	50	45	45	50	45	55	50	50	55	50	55	50	55	45	55	50	50	50	50	45

3. Pengukuran pH Kompos

Hari ke-	Variasi 1						Variasi 2						Variasi 3						Kontrol		
	Pengulangan ke-						Pengulangan ke-						Pengulangan ke-								
	1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6	1	2	3
1	5.3	5.2	5.4	5.7	5.9	5.8	5.7	5.8	5.8	5.6	5.3	5.5	5.4	5.4	5.9	5.7	5.9	5.8	5.2	5.9	5.1
2	5.7	5.9	5.8	6.1	6.5	6.3	6	6.2	6.5	5.8	5.7	6.2	6.5	6.2	6.3	6.5	6.6	6.8	6.6	6.3	6.6
3	6.1	6.4	6.7	6.6	6.3	6.9	6.4	6.8	6.7	6.6	6.3	6.9	6.7	6.3	6.4	6.5	6.7	6.1	6.8	6.4	6.3
4	6.5	6.6	6.3	6.5	6.6	6.8	6.3	6.9	6.9	6.7	6.9	7	6.8	6.8	6.7	6.6	6.3	6.6	6.6	6.7	6.7
5	6.6	6.7	6.8	6.9	6.7	7.1	6.5	6.6	6.3	6.5	6.6	6.8	6.4	6.6	6.3	6.8	6.2	6.6	6.8	6.3	6.2
6	6.7	6.9	7	7.1	7.2	7.3	7	6.8	6.5	6.8	6.9	7.3	6.8	6.8	6.8	7	6.8	6.8	7.4	6.8	6.6
7	7.1	7	7.4	7.5	7.4	7.5	7.2	6.9	6.7	6.8	7	7.5	6.9	6.9	6.9	7.1	6.9	7.2	7.5	7	6.8
8	7.3	7.4	7.5	7.6	7.5	7.6	7.5	7	7	7.1	7.2	7.7	7	7.2	7	7.3	7.2	7.6	7.6	7.3	7
9	7.1	6.8	7.3	7.4	7.3	7.4	7.3	6.8	7.4	7	6.8	6.8	6.7	6.7	6.6	6.8	6.8	6.6	6.4	6.6	6.6
10	6.8	6.8	6.8	7	6.8	6.8	6.7	6.6	6.7	6.6	6.7	6.8	6.7	6.8	6.8	6.6	6.3	6.5	6.6	6.8	6.8
11	6.8	6.7	6.7	6.8	6.6	6.8	6.6	6.5	6.3	6.4	6.6	6.8	6.7	6.5	6.9	6.3	6.5	6.4	6.4	6.6	6.4
12	6.7	6.5	6.4	6.6	6.7	6.5	6.3	6.6	6.3	6.7	6.8	6.6	6.4	6.4	6.7	6.2	6.3	6.4	6.3	6.4	6.4
13	6.5	6.4	6.3	6.5	6.4	6.2	6.3	6.4	6.2	6.6	6.7	6.5	6.3	6.2	6.5	6.2	6.2	6.3	6.2	6.3	6.2
14	6.2	6.2	6.1	6.3	6.5	6.2	6.1	6.3	6.2	6.7	6.7	6.6	6.5	6.6	6.3	6.1	6.2	6.2	6.2	6.1	6.2

Lampiran 3: Dokumentasi Penelitian

Pengukuran timbulan sampah



Terowongan segitiga



Pengomposan sampah organik menggunakan terowongan segitiga



Lampiran 4: Analisis Data Menggunakan SPSS

1. Analisis Univariat

Statistics

		Variasi_1	Variasi_2	Variasi_3
N	Valid	6	6	6
	Missing	0	0	0
Mean		20.2683	22.3400	22.5533
Median		19.9000	22.7300	22.5550
Std. Deviation		.88105	1.39226	1.47592
Minimum		19.40	20.02	20.90
Maximum		21.72	23.75	24.79

Variasi_1

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	19.40	1	16.7	16.7	16.7
	19.75	1	16.7	16.7	33.3
	19.78	1	16.7	16.7	50.0
	20.02	1	16.7	16.7	66.7
	20.94	1	16.7	16.7	83.3
	21.72	1	16.7	16.7	100.0
Total		6	100.0	100.0	

Variasi_2

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	20.02	1	16.7	16.7	16.7
	21.41	1	16.7	16.7	33.3
	22.61	1	16.7	16.7	50.0
	22.85	1	16.7	16.7	66.7
	23.40	1	16.7	16.7	83.3
	23.75	1	16.7	16.7	100.0
Total		6	100.0	100.0	

Variasi_3

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	20.90	1	16.7	16.7	16.7
	21.07	1	16.7	16.7	33.3
	22.28	1	16.7	16.7	50.0
	22.83	1	16.7	16.7	66.7
	23.45	1	16.7	16.7	83.3
	24.79	1	16.7	16.7	100.0
	Total	6	100.0	100.0	

2. Analisis Bivariat

Uji Normalitas Data

Tests of Normality

Panjang Terowongan		Kolmogorov-Smirnov ^a			Shapiro-Wilk		
Segitiga		Statistic	df	Sig.	Statistic	df	Sig.
C/N Rasio	Panjang Terowongan Segitiga 40 cm	.278	6	.164	.879	6	.264
	Panjang Terowongan Segitiga 45 cm	.244	6	.200*	.915	6	.471
	Panjang Terowongan Segitiga 50 cm	.176	6	.200*	.951	6	.746

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

Uji Homogenitas Data

Test of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
C/N Rasio	Based on Mean	.738	2	15	.495
	Based on Median	.616	2	15	.553
	Based on Median and with adjusted df	.616	2	13.868	.554
	Based on trimmed mean	.717	2	15	.504

Uji *One-Way Anova*

ANOVA

C/N Rasio

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	19.117	2	9.559	5.861	.013
Within Groups	24.465	15	1.631		
Total	43.582	17			

Uji *Post-Hoc*

Multiple Comparisons

Dependent Variable: C/N Rasio

LSD

(I) Panjang Terowongan Segitiga	(J) Panjang Terowongan Segitiga	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound Upper Bound	
Panjang Terowongan Segitiga 40 cm	Panjang Terowongan Segitiga 45 cm	-2.07167*	.73734	.013	-3.6433	-.5001
	Panjang Terowongan Segitiga 50 cm	-2.28500*	.73734	.007	-3.8566	-.7134
Panjang Terowongan Segitiga 45 cm	Panjang Terowongan Segitiga 40 cm	2.07167*	.73734	.013	.5001	3.6433
	Panjang Terowongan Segitiga 50 cm	-.21333	.73734	.776	-1.7849	1.3583
Panjang Terowongan Segitiga 50 cm	Panjang Terowongan Segitiga 40 cm	2.28500*	.73734	.007	.7134	3.8566
	Panjang Terowongan Segitiga 45 cm	.21333	.73734	.776	-1.3583	1.7849

*. The mean difference is significant at the 0.05 level.

Uji Paired T-test

Paired Samples Test

		Paired Differences							
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference		t	df	Sig. (2-tailed)
					Lower	Upper			
Pair 1	Kontrol - Perlakuan 1	5.79167	.88105	.35969	4.86706	6.71628	16.102	5	.000

Paired Samples Test

		Paired Differences							
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference		t	df	Sig. (2-tailed)
					Lower	Upper			
Pair 1	Kontrol - Perlakuan 2	6.18000	1.39226	.56839	4.71891	7.64109	10.873	5	.000

Paired Samples Test

		Paired Differences							
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference		t	df	Sig. (2-tailed)
					Lower	Upper			
Pair 1	Kontrol - Perlakuan 3	4.07667	1.47592	.60254	2.52778	5.62555	6.766	5	.001