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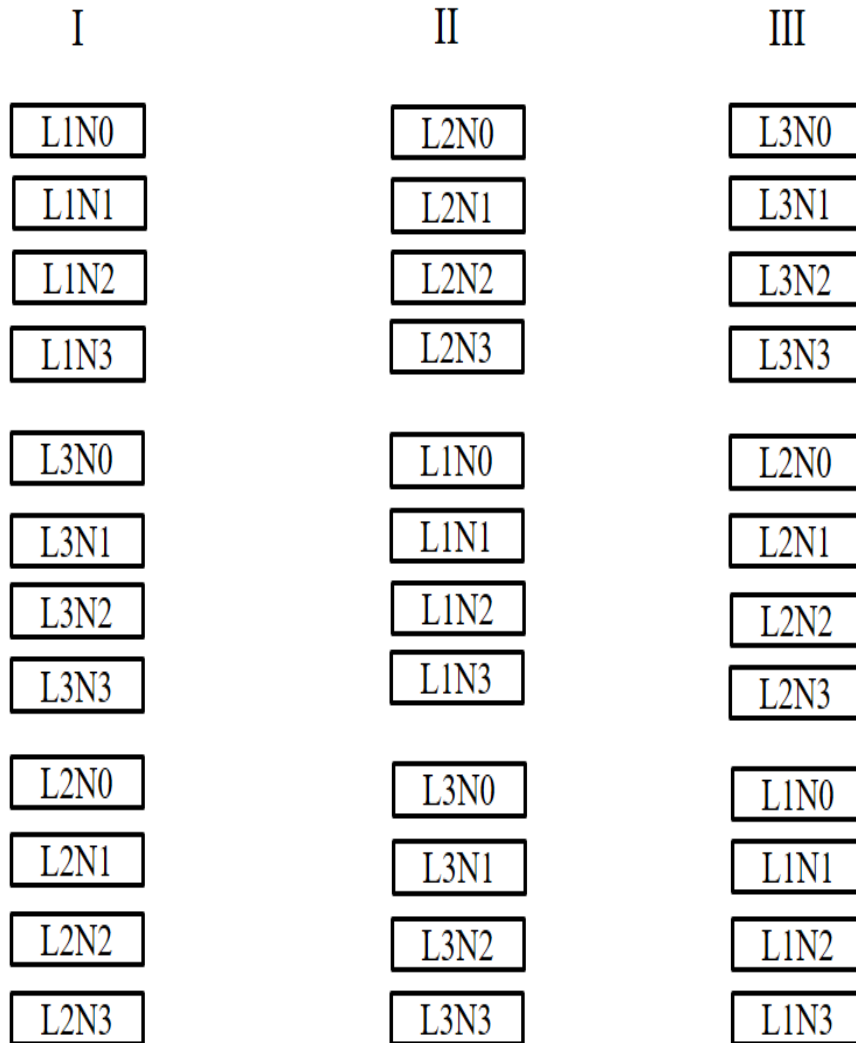
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LAMPIRAN

DENAH PENELITIAN



LAMPIRAN TABEL

Lampiran tabel 1a. Klorofil a 14 HST

Perlakuan	Ulangan			Total	Rata-rata	
	I	II	III			
11	n0	90.32	86.66	83	259.87	86.62
	n1	74.95	74.95	78.99	228.90	76.30
	n2	70.77	66.42	59.56	196.75	65.58
	n3	43.87	46.03	43.60	133.49	44.50
Sub Total		279.91	274.06	265.04	819.01	
12	n0	84.79	80.96	68.62	234.37	78.12
	n1	70.77	74.95	80.96	226.68	75.56
	n2	86.66	82.89	70.77	240.32	80.11
	n3	84.79	80.96	68.62	234.37	78.12
Sub Total		327.02	319.76	288.96	935.73	
13	n0	86.66	80.96	78.99	246.61	82.20
	n1	103.89	95.59	93.86	293.35	97.78
	n2	74.95	97.30	76.99	249.24	83.08
	n3	76.99	68.62	78.99	224.60	74.87
Sub Total		342.50	342.46	328.83	1013.80	
Total		949.42	936.29	882.83	2768.55	76.90

Lampiran tabel 1b. Sidik Ragam Klorofil a 14 HST

SK	db	JK	KT	Fhit		Ftabel	
						0.05	0.01
Kelompok	2	207.36	103.68	2.75	tn	3.4	5.7
Perlakuan	11	5383.58	489.42	12.98	**	2.3	3.2
Faktor l	2	1601.64	800.82	21.23	**	3.4	5.7
Faktor n	3	1729.82	576.61	15.29	**	3.0	4.8
l*n	6	2052.11	342.02	9.07	**	2.5	3.8
Galat	22	829.84	37.72				
Total	35	6420.77					
KK	8%						

Lampiran tabel 2a. Klorofil b 14 HST

Perlakuan	Ulangan			Total	Rata-rata	
	I	II	III			
11	n0	55.72	55.13	55	165.40	55.13
	n1	53.37	53.37	53.96	160.70	53.57
	n2	70.77	66.42	59.56	196.75	65.58
	n3	49.38	49.63	49.35	148.37	49.46
Sub Total			224.56	217.43	671.22	
12	n0	54.84	54.25	51.28	160.37	53.46
	n1	52.78	53.37	52.48	158.63	52.88
	n2	55.13	54.55	52.78	162.46	54.15
	n3	52.78	53.96	51.28	158.01	52.67
Sub Total			216.13	207.81	639.47	
13	n0	55.13	54.25	53.96	163.35	54.45
	n1	58.02	56.58	56.29	170.90	56.97
	n2	53.37	56.87	53.67	163.91	54.64
	n3	53.67	52.48	53.96	160.11	53.37
Sub Total		220.19	220.19	217.88	658.26	
Total		664.95	660.88	643.12	1968.95	54.69

Lampiran tabel 2b. Sidik Ragam Klorofil b 14 HST

SK	db	JK	KT	Fhit	Ftabel	
					0.05	0.01
Kelompok	2	22.46	11.23	3.64	*	3.4 5.7
Perlakuan	11	491.11	44.65	14.47	**	2.3 3.2
Faktor l	2	42.47	21.24	6.88	**	3.4 5.7
Faktor n	3	181.17	60.39	19.58	**	3.0 4.8
l*n	6	267.47	44.58	14.45	**	2.5 3.8
Galat	22	67.87	3.09			
Total	35	581.45				
KK	3%					

Lampiran tabel 3a. Klorofil total 14 HST

Perlakuan		Ulangan			Total	Rata-rata
		I	II	III		
11	n0	145.27	140.73	136	422.07	140.69
	n1	126.29	126.29	131.25	383.82	127.94
	n2	121.16	115.86	107.55	344.57	114.86
	n3	88.74	91.31	88.41	268.46	89.49
Sub Total			474.19	463.27	1418.92	
12	n0	138.41	133.67	107.55	379.64	126.55
	n1	121.16	126.29	133.67	381.12	127.04
	n2	140.73	136.06	121.16	397.95	132.65
	n3	121.16	131.25	107.55	359.96	119.99
Sub Total			527.27	469.94	1518.67	
13	n0	140.73	133.67	131.25	405.65	135.22
	n1	162.29	151.86	149.69	463.84	154.61
	n2	126.29	154.00	128.79	409.07	136.36
	n3	128.79	118.53	131.25	378.57	126.19
Sub Total		558.09	558.06	540.98	1657.13	
Total		1561.02	1559.52	1474.19	4594.73	127.63

Lampiran tabel 3b. Sidik Ragam Klorofil total 14 HST

SK	db	JK	KT	Fhit		Ftabel	
						0.05	0.01
Kelompok	2	411.80	205.90	2.89	tn	3.4	5.7
Perlakuan	11	8212.95	746.63	10.46	**	2.3	3.2
Faktor l	2	2385.12	1192.56	16.71	**	3.4	5.7
Faktor n	3	3326.97	1108.99	15.54	**	3.0	4.8
l*n	6	2500.86	416.81	5.84	**	2.5	3.8
Galat	22	1569.66	71.35				
Total	35	10194.41					
KK	7%						

Lampiran tabel 4a. Klorofil a 21 HST

Perlakuan		Ulangan			Total	Rata-rata
		I	II	III		
11	n0	134.91	142.19	132	409.49	136.50
	n1	118.96	124.51	113.16	356.62	118.87
	n2	90.32	103.89	98.98	293.19	97.73
	n3	87.95	89.59	87.95	265.50	88.50
Sub Total			460.19	432.48	1324.81	
12	n0	131.11	128.51	120.37	379.99	126.66
	n1	121.76	117.54	120.37	359.67	119.89
	n2	118.96	116.09	107.06	342.11	114.04
	n3	131.11	128.51	120.37	379.99	126.66
Sub Total			490.65	468.17	1461.76	
13	n0	132.39	128.51	127.19	388.09	129.36
	n1	144.53	138.60	137.38	420.52	140.17
	n2	110.15	127.19	114.63	351.97	117.32
	n3	107.06	111.66	113.16	331.88	110.63
Sub Total		494.13	505.96	492.36	1492.45	
Total		1429.21	1456.79	1393.02	4279.02	118.86

Lampiran tabel 4b. Sidik Ragam Klorofil a 21 HST

SK	db	JK	KT	Fhit	Ftabel		
					0.05	0.01	
Kelompok	2	170.52	85.26	3.96	*	3.4	5.7
Perlakuan	11	7379.72	670.88	31.13	**	2.3	3.2
Faktor l	2	1327.75	663.88	30.81	**	3.4	5.7
Faktor n	3	3495.32	1165.11	54.06	**	3.0	4.8
l*n	6	2556.65	426.11	19.77	**	2.5	3.8
Galat	22	474.12	21.55				
Total	35	8024.36					
KK	4%						

Lampiran tabel 5a. Klorofil b 21 HST

Perlakuan	Ulangan			Total	Rata-rata		
	I	II	III				
11	n0	64.18	65.82	64	193.62	64.54	
	n1	60.85	61.96	59.72	182.53	60.84	
	n2	90.32	103.89	98.98	293.19	97.73	
	n3	55.34	55.60	55.34	166.27	55.42	
Sub Total			287.28	277.67	835.62		
12	n0	63.35	62.80	60.00	186.15	62.05	
	n1	61.41	60.57	61.13	183.10	61.03	
	n2	60.85	60.28	58.59	179.72	59.91	
	n3	58.59	59.72	60.00	178.31	59.44	
Sub Total			243.37	239.72	727.27		
13	n0	63.63	62.80	62.52	188.94	62.98	
	n1	66.37	65.00	64.73	196.09	65.36	
	n2	59.16	62.52	60.00	181.68	60.56	
	n3	58.59	59.44	59.72	177.75	59.25	
Sub Total			247.73	249.76	744.46		
Total			762.60	780.40	764.36	2307.36	64.09

Lampiran tabel 5b. Sidik Ragam Klorofil b 21 HST

SK	db	JK	KT	Fhit	tn	Ftabel	
						0.05	0.01
Kelompok	2	16.04	8.02	1.71	tn	3.4	5.7
Perlakuan	11	3926.98	357.00	75.97	**	2.3	3.2
Faktor l	2	565.13	282.56	60.13	**	3.4	5.7
Faktor n	3	1034.52	344.84	73.39	**	3.0	4.8
l*n	6	2327.34	387.89	82.55	**	2.5	3.8
Galat	22	103.38	4.70				
Total	35	4046.40					
KK	3%						

Lampiran tabel 6a. Klorofil total 21 HST

Perlakuan		Ulangan			Total	Rata-rata
		I	II	III		
11	n0	201.96	211.43	199	612.08	204.03
	n1	181.42	188.53	174.02	543.96	181.32
	n2	145.27	162.29	156.11	463.67	154.56
	n3	142.34	144.38	142.34	429.05	143.02
Sub Total			706.62	671.15	2048.76	
12	n0	197.04	193.68	175.90	566.61	188.87
	n1	185.01	179.60	183.22	547.83	182.61
	n2	181.42	177.76	166.29	525.46	175.15
	n3	166.29	174.02	175.90	516.20	172.07
Sub Total			725.05	701.30	2156.11	
13	n0	198.69	193.68	191.98	584.35	194.78
	n1	214.48	206.75	205.17	626.41	208.80
	n2	170.19	191.98	175.90	538.07	179.36
	n3	166.29	172.12	174.02	512.42	170.81
Sub Total		749.66	764.53	747.06	2261.25	
Total		2150.40	2196.20	2119.52	6466.12	179.61

Lampiran tabel 6b. Sidik Ragam Klorofil total 21 HST

SK	db	JK	KT	Fhit		Ftabel	
						0.05	0.01
Kelompok	2	248.11	124.06	3.01	tn	3.4	5.7
Perlakuan	11	11692.48	1062.95	25.77	**	2.3	3.2
Faktor l	2	1881.37	940.68	22.81	**	3.4	5.7
Faktor n	3	7224.59	2408.20	58.38	**	3.0	4.8
l*n	6	2586.53	431.09	10.45	**	2.5	3.8
Galat	22	907.47	41.25				
Total	35	12848.07					
KK	4%						

Lampiran tabel 7a. Luas Bukaan Stomata

Perlakuan		Ulangan			Total	Rata-rata
		I	II	III		
11	n0	65.94	69.08	81.64	216.66	72.22
	n1	56.52	62.80	62.80	182.12	60.71
	n2	103.62	81.64	94.20	279.46	93.15
	n3	34.54	43.96	81.64	160.14	53.38
Sub Total			257.48	320.28	838.38	
12	n0	62.80	62.80	69.08	194.68	64.89
	n1	69.08	87.92	100.48	257.48	85.83
	n2	81.64	94.20	87.92	263.76	87.92
	n3	50.24	31.40	87.92	169.56	56.52
Sub Total			276.32	345.40	885.48	
13	n0	94.20	81.64	75.36	251.20	83.73
	n1	100.48	94.20	94.20	288.88	96.29
	n2	87.92	37.68	81.64	207.24	69.08
	n3	62.80	37.68	49.08	149.56	49.85
Sub Total		345.40	251.20	300.28	896.88	
Total		869.78	785.00	965.96	2620.74	72.80

Lampiran tabel 7b. Sidik Ragam Luas Bukaan Stomata

SK	db	JK	KT	Fhit		Ftabel	
						0.05	0.01
Kelompok	2	1366.24	683.12	3.29	tn	3.4	5.7
Perlakuan	11	8627.11	784.28	3.78	**	2.3	3.2
Faktor l	2	160.30	80.15	0.39	tn	3.4	5.7
Faktor n	3	5050.35	1683.45	8.10	**	3.0	4.8
l*n	6	3416.46	569.41	2.74	*	2.5	3.8
Galat	22	4570.13	207.73				
Total	35	14563.49					
KK	20%						

Lampiran tabel 8a. Kerapatan Stomata

Perlakuan	Ulangan			Total	Rata-rata	
	I	II	III			
11	n0	61.15	71.34	50.96	183.44	61.15
	n1	66.24	40.76	45.86	152.87	50.96
	n2	45.86	56.05	50.96	152.87	50.96
	n3	56.05	50.96	56.05	163.06	54.35
Sub Total			219.11	203.82	652.23	
12	n0	61.15	66.24	61.15	188.54	62.85
	n1	56.05	61.15	56.05	173.25	57.75
	n2	50.96	66.24	40.76	157.96	52.65
	n3	40.76	56.05	50.96	147.77	49.26
Sub Total			249.68	208.92	667.52	
13	n0	56.05	45.86	50.96	152.87	50.96
	n1	66.24	71.34	66.24	203.82	67.94
	n2	50.96	56.05	45.86	152.87	50.96
	n3	56.05	45.86	50.96	152.87	50.96
Sub Total		229.30	219.11	214.01	662.42	
Total		667.52	687.90	626.75	1982.17	55.06

Lampiran tabel 8a. Sidik Ragam Kerapatan Stomata

SK	db	JK	KT	Fhit		Ftabel	
						0.05	0.01
Kelompok	2	161.56	80.78	1.56	tn	3.4	5.7
Perlakuan	11	1184.99	107.73	2.09	tn	2.3	3.2
Faktor l	2	10.10	5.05	0.10	tn	3.4	5.7
Faktor n	3	452.22	150.74	2.92	tn	3.0	4.8
l*n	6	722.68	120.45	2.33	tn	2.5	3.8
Galat	22	1136.67	51.67				
Total	35	2483.22					
KK	13%						

Lampiran tabel 9a. Jumlah Stomata

Perlakuan		Ulangan			Total	Rata-rata
		I	II	III		
11	n0	12.00	14.00	10.00	36.00	12.00
	n1	13.00	8.00	9.00	30.00	10.00
	n2	9.00	11.00	10.00	30.00	10.00
	n3	11.00	10.00	11.00	32.00	10.67
Sub Total			43.00	40.00	128.00	
12	n0	12.00	13.00	12.00	37.00	12.33
	n1	11.00	12.00	11.00	34.00	11.33
	n2	10.00	13.00	8.00	31.00	10.33
	n3	8.00	11.00	10.00	29.00	9.67
Sub Total			49.00	41.00	131.00	
13	n0	11.00	9.00	10.00	30.00	10.00
	n1	13.00	14.00	13.00	40.00	13.33
	n2	10.00	11.00	9.00	30.00	10.00
	n3	11.00	9.00	10.00	30.00	10.00
Sub Total		45.00	43.00	42.00	130.00	
Total		131.00	135.00	123.00	389.00	10.81

Lampiran tabel 9b. Sidik Ragam Jumlah Stomata

SK	db	JK	KT	Fhit		Ftabel	
						0.05	0.01
Kelompok	2	6.22	3.11	1.56	tn	3.4	5.7
Perlakuan	11	45.64	4.15	2.09	tn	2.3	3.2
Faktor l	2	0.39	0.19	0.10	tn	3.4	5.7
Faktor n	3	17.42	5.81	2.92	tn	3.0	4.8
l*n	6	27.83	4.64	2.33	tn	2.5	3.8
Galat	22	43.78	1.99				
Total	35	95.64					
KK	13%						

LAMPIRAN GAMBAR

Lampiran gambar 1. Surat keterangan analisis senyawa bioaktif



**LABORATORIUM KIMIA MAKANAN TERNAK
JURUSAN NUTRISI DAN MAKANAN TERNAK
FAKULTAS PETERNAKAN
UNIVERSITAS HASANUDDIN**

HASIL ANALISIS BAHAN

No	Kode Sampel	KOMPOSISI (mg/Kg)		
		Flavanoid	Fenol	Tanin
1	KONTROL	46,886	265,147	621,438
2	L1N0	20,465	306,239	729,386
3	L1N1	34,071	367,049	917,431
4	L1N2	42,280	303,225	737,680
5	L1N3	34,624	332,698	863,699
6	L2N0	19,360	307,738	465,997
7	L2N1	32,673	319,938	644,047
8	L2N2	32,441	375,707	652,539
9	L2N3	26,964	360,283	568,501
10	L3N0	39,736	273,459	735,769
11	L3N1	33,917	330,826	673,714
12	L3N2	44,070	221,753	589,725
13	L3N3	37,516	220,549	440,864

Makassar, 10 Agustus 2021

Analisis

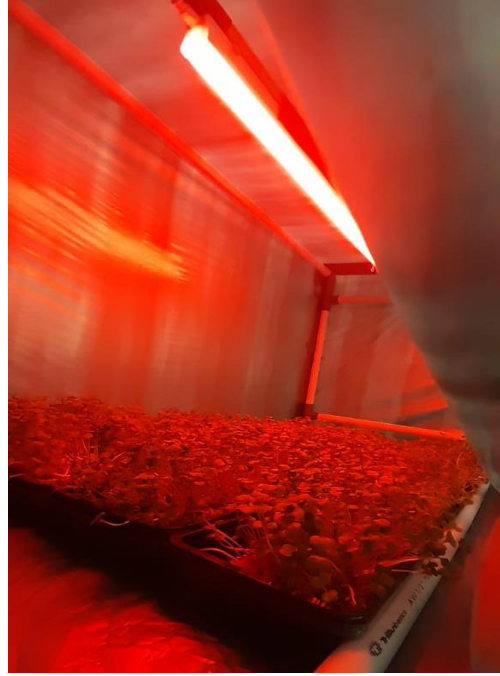
Muhammad Syahrul

Nip. 19790603 2001 12 1 001

Lampiran gambar 2. Pengaplikasian perlakuan cahaya LED



LED BIRU (11)

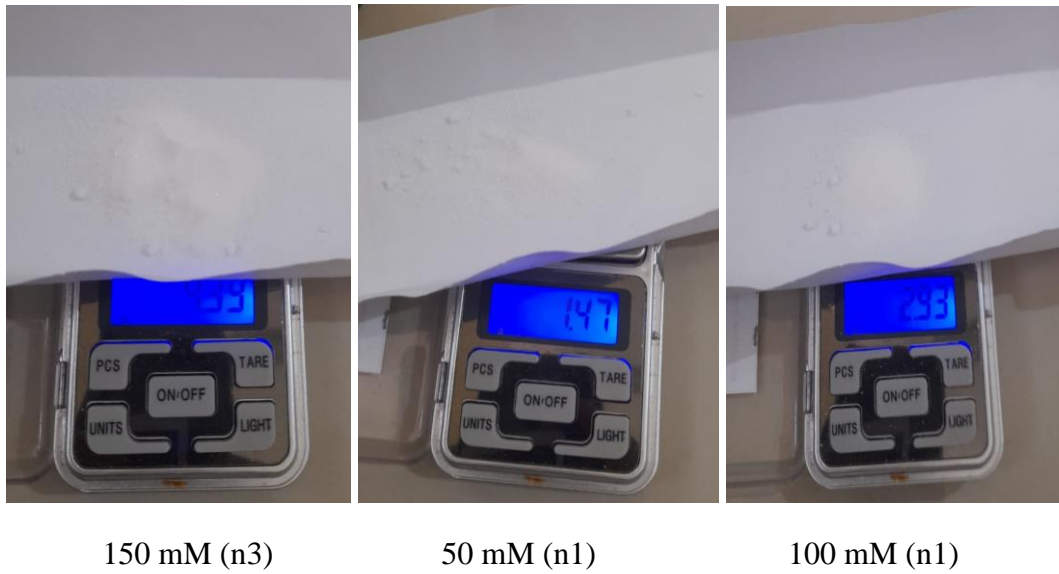


LED MERAH (13)

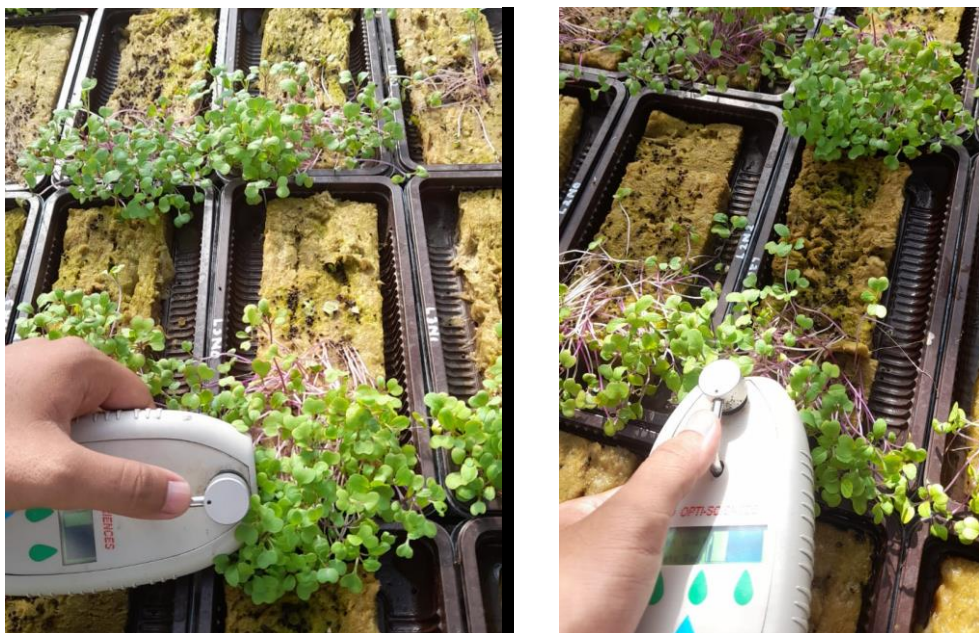


LED KUNING (12)

Lampiran gambar 3. Pengaplikasian Perlakuan Konsentrasi NaCl



Lampiran gambar 4. Pengamatan Kandungan Klorofil



Lampiran gambar 5. Pengamatan Stomata



11n0



11n1



11n2



11n3



12n0



12n1



12n2



12n3



13n0



13n1



13n2



13n3

Lampiran gambar 6. Pemanenan



Lampiran gambar 7. Sampel Analisis Senyawa Bioaktif



DESKRIPSI PAKCOY VARIETAS RED

Asal	: Technisem Asia Co.Ltd, Vietnam
Golongan varietas	: menyerbuk silang
Umur panen	: 30-35 hari setelah tanam
Bentuk tanaman	: tegak
Tinggi tanaman	: 14 – 16 cm
Bentuk daun terluar	: Agak bulat
Ujung daun	: bulat
Tepi daun	: rata
Warna daun terluar	: hijau kemerahan
Warna tangkai daun	: hijau kemerahan
Panjang daun terluar	: 9-15 cm
Jumlah daun yang dapat dikonsumsi	: 5 – 7 helai
Rasa	: agak renyah
Daya simpan dalam suhu kamar	: 2 – 3 hari
Berat rata-rata per tanaman	: ± 200 g
Hasil	: ± 40 ton/ha
Keterangan	: beradaptasi dengan baik di dataran tinggi dan rendah.

Sumber: USDA, 2011. Field Mustard. Plant Guide. Oregon, USA