

LAMPIRAN

Lampiran 1. Determinasi Tanaman

HERBARIUM JATINANGOR
LABORATORIUM TAKSONOMI TUMBUHAN
JURUSAN BIOLOGI FMIPA UNPAD
Gedung D2-212, Jl. Raya Bandung Sumedang Km 21 Jatinangor
Telp. 022-7796412, email: phanerogamae@yahoo.com

LEMBAR IDENTIFIKASI TUMBUHAN
No.25/HB/04/2023.

Herbarium Jatinangor, Laboratorium Taksonomi Tumbuhan, Jurusan Biologi FMIPA UNPAD, dengan ini menerangkan bahwa:

Nama : Eldisa Tahani Agisna
NPM/NIM : 191FF03024
Instansi : Universitas Bhakti Kencana.
Telah melakukan identifikasi tumbuhan, dengan No. Koleksi : -
Tanggal Koleksi : 04 April 2023.
Lokasi : Bandung.

Hasil Identifikasi

Nama Ilmiah : *Psidium guajava* L.
Sinonim : *Myrtus guajava* (L.) Kuntze
Nama Lokal : Daun Jambu klutuk
Suku/Famili : Myrtaceae

Klasifikasi (Hirarki Taksonomi)

Kingdom : Plantae
Divisi : Magnoliophyta
Class : Magnoliopsida
Ordo : Myrtales
Famili : Myrtaceae
Genus : *Psidium*
Species : *Psidium guajava* L.

Referensi:

Backer, C. A. and Bakhuizen v/d Brink R. C Jr. 1963. Flora of Java. Wolter-Noordhoff NV. Groningen.
Cronquist, Arthur. 1981. An Integrated System of Classification of Flowering Plants. Columbia University Press. New York
The Plant List. Website Dunia Tumbuhan. <http://www.theplantlist.org/tpl1.1/record/kew-158489>.

Jatinangor, 04 April 2023.

Identifikator,

LABORATORIUM TAKSONOMI TUMBUHAN
JURUSAN BIOLOGI FMIPA-UNPAD

Drs. Joko Kusmoro, M.P.
NIP. 19600801 199101 1 001

Lampiran 2. ekstraksi tanaman



Lampiran 3. Pengendapan amonium sulfat



Pengendapan 0-20%



pengendapan 20-40%



Pengendapan 40-60%



pengendapan 60-80%

Lampiran 4. Proses dialisis



Lampiran 5. Uji aktivitas enzim

sampel	Absorbansi	rata rata	SD	aktivitas SOD U/mL
blanko	0,737	0,734		
	0,7669			
	0,6981			
crude ekstra	0,2258	0,2451	0,017066	0,9778
	0,2673			
	0,2422			
fraksi 20	0,1239	0,1287	0,004942	1,2106
	0,1267			
	0,1355			
fraksi 40	0,1893	0,191		1,086
	0,1904			
	0,1933			
fraksi 60	0,1993	0,226766667		1,014466667
	0,1903			
	0,2907			
fraksi 80	0,2504	0,285333333		0,897333333
	0,2844			
	0,3212			
dialisat	0,1441	0,144033333		1,179933333
	0,1406			
	0,1474			

Lampiran 6. Sediaan lotion



Lampiran 7. Tabel hasil rata rata hasil uji daya sebar cycling test

formulasi	Siklus	daya sebar (cm)
1	1	5.96
	2	5.56
	3	5.35
	4	4.98
	5	5.15
	6	5.19
2	1	5.48
	2	5.18
	3	4.96
	4	5.05
	5	5.15
	6	5.43
3	1	5.21
	2	5.05
	3	5.11
	4	5.13
	5	5.16
	6	5.07
4	1	5.13
	2	4.96
	3	5.05
	4	4.91
	5	4.98
	6	5.11

Lampiran 8. Tabel hasil rata-rata uji pH cycling test

formulasi	siklus	pH
1	1	7.39
	2	7.19
	3	6.95

	4	6.77
	5	6.46
	6	7.03
2	1	7.29
	2	7.00
	3	6.95
	4	6.86
	5	6.76
	6	7.36
3	1	7.45
	2	7.48
	3	7.46
	4	7.27
	5	7.14
	6	7.29
4	1	7.33
	2	6.03
	3	6.86
	4	6.8
	5	6.57
	6	6.73

Lampiran 9. Tabel hasil rata-rata uji viskositas cycling test

formulasi	siklus	viskositas (cps)
1	1	4850
	2	5066
	3	5433
	4	6650
	5	6483
	6	5633
2	1	5433
	2	5616
	3	7350
	4	6766
	5	6566
	6	5266
3	1	7150
	2	7333
	3	7416
	4	6883
	5	6480
	6	7033
4	1	7900
	2	7983
	3	8766

4	7766
5	7600
6	7383

Lampiran 10. Tabel hasil uji suhu ruang hari 0

Formulasi	pH	rata rata	daya sebar	rata - rata	viskositas	rata rata
1	7,5	7,5	6,02	6,015	4400	4433,333
	7,5		6,025		4400	
	7,5		6		4500	
2	7,51	7,506667	6,14	6,1633333	5300	5466,667
	7,5		6,2		5500	
	7,51		6,15		5600	
3	7,5	7,51	5,44	5,2966667	7000	7133,333
	7,52		5,32		7200	
	7,51		5,13		7200	
4	7,52	7,506667	5,07	5,1566667	7600	7666,667
	7,5		5,18		7600	
	7,5		5,22		7800	

Lampiran 11. Tabel hasil uji suhu ruang hari 3

formulasi	pH	rata rata	daya sebar	rata - rata	viskositas	rata rata
1	7,56	7,523333	6,19	6,18	4300	4233,333
	7,51		6,25		4200	
	7,5		6,1		4200	
2	7,51	7,496667	6,31	6,3766667	5400	5400
	7,5		6,47		5400	
	7,48		6,35		5400	
3	7,51	7,503333	6,09	6,1016667	6800	6800
	7,5		6,055		6800	
	7,5		6,16		6800	
4	7,52	7,5	5,5	5,6	7100	7133,333
	7,49		5,85		7100	
	7,49		5,45		7200	

Lampiran 12. Tabel hasil uji suhu ruang hari 7

formulasi	pH	rata rata	daya sebar	rata - rata	viskositas	rata rata
1	7,54	7,513333	7	6,7833333	3700	3683,333
	7,52		6,65		3700	

	7,48		6,7		3650	
2	7,5	7,486667	6,45	6,5066667	5200	5200
	7,5		6,85		5200	
	7,46		6,22		5200	
3	7,5	7,5	6,1	6,2166667	6550	6516,667
	7,5		6,35		6500	
	7,5		6,2		6500	
4	7,5	7,496667	5,75	5,8666667	6900	6866,667
	7,5		6,1		6900	
	7,49		5,75		6800	

Lampiran 13. Tabel hasil uji suhu ruang hari 14

formulasi	pH	rata rata	daya sebar	rata - rata	viskositas	rata rata
1	7,59	7,57	6,35	6,5	3700	3633,333
	7,59		6,5		3600	
	7,53		6,65		3600	
2	7,5	7,503333	6,4	6,5666667	5150	5050
	7,51		6,55		5000	
	7,5		6,75		5000	
3	7,52	7,483333	6,2	6,25	6350	6316,667
	7,49		6		6300	
	7,44		6,55		6300	
4	7,49	7,48	5,55	5,4333333	6800	6766,667
	7,49		5,4		6750	
	7,46		5,35		6750	

Lampiran 14. Tabel hasil uji suhu ruang hari 21

formulasi	ph	rata rata	daya sebar	rata rata	viskositas	rata rata
1	7,51	7,493333	6,7	6,866667	3400	3366,667
	7,48		7,1		3350	
	7,49		6,8		3350	
2	7,5	7,496667	6,5	6,35	5000	5000
	7,49		6,1		5000	
	7,5		6,45		5000	
3	7,52	7,523333	6,4	6,366667	6100	6066,667
	7,51		6,1		6100	
	7,54		6,6		6000	
4	7,54	7,59	5,45	5,366667	6700	6650
	7,68		5,55		6650	
	7,55		5,1		6600	

Lampiran 15. Tabel uji homogenitas pH suhu ruang

Test of Homogeneity of Variances					
		Levene Statistic	df1	df2	Sig.
pH F1	Based on Mean	3.667	4	10	.044
	Based on Median	.500	4	10	.737
	Based on Median and with adjusted df	.500	4	5.486	.739
	Based on trimmed mean	3.202	4	10	.062
pH F2	Based on Mean	4.500	4	10	.024
	Based on Median	.455	4	10	.767
	Based on Median and with adjusted df	.455	4	3.612	.768
	Based on trimmed mean	3.796	4	10	.040
pH F3	Based on Mean	4.016	4	10	.034
	Based on Median	2.021	4	10	.167
	Based on Median and with adjusted df	2.021	4	3.097	.290
	Based on trimmed mean	3.869	4	10	.038
pH F4	Based on Mean	9.811	4	10	.002
	Based on Median	.786	4	10	.560
	Based on Median and with adjusted df	.786	4	2.610	.611
	Based on trimmed mean	7.955	4	10	.004

Lampiran 16. Tabel uji homogenitas pH cycling test

Test of Homogeneity of Variances					
		Levene Statistic	df1	df2	Sig.
pH F1	Based on Mean	6.076	5	12	.005
	Based on Median	1.221	5	12	.358
	Based on Median and with adjusted df	1.221	5	3.012	.463
	Based on trimmed mean	5.473	5	12	.007
pH F2	Based on Mean	5.858	5	12	.006
	Based on Median	.987	5	12	.465
	Based on Median and with adjusted df	.987	5	3.508	.529
	Based on trimmed mean	5.199	5	12	.009
pH F3	Based on Mean	4.343	5	12	.017
	Based on Median	.914	5	12	.504
	Based on Median and with adjusted df	.914	5	5.322	.535

	Based on trimmed mean	3.928	5	12	.024
pH F4	Based on Mean	5.110	5	12	.010
	Based on Median	1.284	5	12	.333
	Based on Median and with adjusted df	1.284	5	4.736	.400
	Based on trimmed mean	4.698	5	12	.013

Lampiran 17. Tabel uji homogenitas daya sebar suhu ruang

Test of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
Daya Sebar F1	Based on Mean	2.788	4	10	.086
	Based on Median	.691	4	10	.615
	Based on Median and with adjusted df	.691	4	5.453	.627
	Based on trimmed mean	2.571	4	10	.103
Daya Sebar F2	Based on Mean	2.577	4	10	.102
	Based on Median	.896	4	10	.501
	Based on Median and with adjusted df	.896	4	5.496	.525
	Based on trimmed mean	2.427	4	10	.116
Daya Sebar F3	Based on Mean	1.459	4	10	.286
	Based on Median	.778	4	10	.564
	Based on Median and with adjusted df	.778	4	6.146	.577
	Based on trimmed mean	1.409	4	10	.300
Daya Sebar F4	Based on Mean	2.117	4	10	.153
	Based on Median	.236	4	10	.911
	Based on Median and with adjusted df	.236	4	6.886	.909
	Based on trimmed mean	1.804	4	10	.205

Lampiran 18. Tabel uji homogenitas daya sebar cycling test

Test of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
Daya Sebar F1	Based on Mean	1.534	5	12	.251
	Based on Median	.748	5	12	.603
	Based on Median and with adjusted df	.748	5	7.343	.611
	Based on trimmed mean	1.477	5	12	.268
Daya Sebar F2	Based on Mean	1.186	5	12	.372
	Based on Median	.903	5	12	.510

Daya Sebar F3	Based on Median and with adjusted df	.903	5	6.432	.532
	Based on trimmed mean	1.170	5	12	.379
	Based on Mean	.889	5	12	.518
	Based on Median	.338	5	12	.880
	Based on Median and with adjusted df	.338	5	9.516	.878
	Based on trimmed mean	.840	5	12	.546
Daya Sebar F4	Based on Mean	.792	5	12	.576
	Based on Median	.285	5	12	.912
	Based on Median and with adjusted df	.285	5	9.759	.911
	Based on trimmed mean	.744	5	12	.606

Lampiran 19. Tabel uji homogenitas viskositas suhu ruang

Test of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
Viskositas F1	Based on Mean	1.714	4	10	.223
	Based on Median	.107	4	10	.977
	Based on Median and with adjusted df	.107	4	7.840	.977
	Based on trimmed mean	1.350	4	10	.318
Viskositas F2	Based on Mean	6.951	4	10	.006
	Based on Median	1.714	4	10	.223
	Based on Median and with adjusted df	1.714	4	3.920	.310
	Based on trimmed mean	6.392	4	10	.008
Viskositas F3	Based on Mean	8.364	4	10	.003
	Based on Median	.523	4	10	.722
	Based on Median and with adjusted df	.523	4	3.533	.729
	Based on trimmed mean	6.588	4	10	.007
Viskositas F4	Based on Mean	3.059	4	10	.069
	Based on Median	.231	4	10	.915
	Based on Median and with adjusted df	.231	4	4.662	.909
	Based on trimmed mean	2.525	4	10	.107

Lampiran 20. Tabel uji homogenitas viskositas cycling test

Test of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
Viskositas F1	Based on Mean	1.961	5	12	.157
	Based on Median	.400	5	12	.840
	Based on Median and with adjusted df	.400	5	7.477	.835
	Based on trimmed mean	1.774	5	12	.193
Viskositas F2	Based on Mean	5.727	5	12	.006
	Based on Median	1.047	5	12	.435
	Based on Median and with adjusted df	1.047	5	3.567	.505
	Based on trimmed mean	5.096	5	12	.010
Viskositas F3	Based on Mean	2.863	5	12	.063
	Based on Median	2.322	5	12	.108
	Based on Median and with adjusted df	2.322	5	2.899	.265
	Based on trimmed mean	2.835	5	12	.065
Viskositas F4	Based on Mean	2.351	5	12	.104
	Based on Median	.448	5	12	.807
	Based on Median and with adjusted df	.448	5	6.272	.803
	Based on trimmed mean	2.123	5	12	.132

Lampiran 21. Tabel uji ANOVA

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
Daya Sebar F1	Between Groups	1.647	4	.412	19.153	.000
	Within Groups	.215	10	.022		
	Total	1.862	14			
Daya Sebar F2	Between Groups	.294	4	.073	1.954	.178
	Within Groups	.376	10	.038		
	Total	.670	14			
Daya Sebar F3	Between Groups	2.214	4	.553	15.024	.000
	Within Groups	.368	10	.037		
	Total	2.582	14			
Daya Sebar F4	Between Groups	.850	4	.213	6.599	.007
	Within Groups	.322	10	.032		
	Total	1.172	14			

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
Viskositas F1	Between Groups	2380666.667	4	595166.667	255.071	.000
	Within Groups	23333.333	10	2333.333		
	Total	2404000.000	14			
Viskositas F2	Between Groups	512666.667	4	128166.667	20.784	.000
	Within Groups	61666.667	10	6166.667		
	Total	574333.333	14			
Viskositas F3	Between Groups	2071666.667	4	517916.667	141.250	.000
	Within Groups	36666.667	10	3666.667		
	Total	2108333.333	14			
Viskositas F4	Between Groups	1966666.667	4	491666.667	105.357	.000
	Within Groups	46666.667	10	4666.667		
	Total	2013333.333	14			

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
pH F1	Between Groups	.011	4	.003	4.044	.033
	Within Groups	.007	10	.001		
	Total	.018	14			
pH F2	Between Groups	.001	4	.000	1.019	.443
	Within Groups	.002	10	.000		
	Total	.002	14			
pH F3	Between Groups	.003	4	.001	1.600	.249
	Within Groups	.004	10	.000		
	Total	.007	14			
pH F4	Between Groups	.022	4	.006	4.085	.032
	Within Groups	.014	10	.001		
	Total	.036	14			



Fakultas Farmasi
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Bhakti Kencana



KARTU BIMBINGAN TUGAS AKHIR II

Pembimbing Utama	: Rahma Ziska, M.Si
Nama Mahasiswa	: Eldisa tahani agisna
NPM	: 191ff03024
Bidang Ilmu	: farmasetika dan teknologi farmasi

[illegible]

 Jl. Soekarno Hatta No 754 Bandung

Catatan : Kartu ini harus dibawa setiap kali melakukan bimbingan dan harus diisi oleh dosen pembimbing.



Fakultas Farmasi
Universitas
Bhakti Kencana



KARTU BIMBINGAN TUGAS AKHIR I/TUGAS AKHIR II

Pembimbing Serta	: apt. Deny Puriyani Azhary, M.Si
Nama Mahasiswa	: Eldisa tahani agisna
NPM	: 191ff03024
Bidang Ilmu	: farmasetika dan teknologi farmasi

[illegible]

Catatan: Kartu ini harus dibawa setiap kali melakukan bimbingan dan harus diisi oleh dosen pembimbing.

☎ 022 7830 760, 022 7630 768

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Lampiran 23. Hasil Turnitin

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Lampiran 24. Daftar Riwayat hidup

DAFTAR RIWAYAT HIDUP

Nama : Eldisa Tahani Agisna
 Tempat/ Tanggal lahir : Cianju, 04 Agustus 2000
 Jenis Kelamin : Perempuan
 Agama : Islam
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 Sayang Desa Sayang Kecamatan Cianjur
 Telpon : 085659042130
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PENDIDIKAN

TK : YWKA (Yayasan Wanita Kereta Api)
 SD : SDN IBU JENAB 1 CIANJUR
 SMP : SMP NEGERI 1 CIANJUR
 SMK : BHAKTI MEDIKA CIANJUR
 S1 : UNIVERSITAS BHAKTI KENCANA BANDUNG