

Lampiran 1



PEMERINTAH PROVINSI JAWA TIMUR
DINAS KESEHATAN
UPT MATERIA MEDICA BATU
Jalan Lahor No.87 Telp. (0341) 593396
KOTA BATU 65313

Nomor : 074/ 273a/ 102.7/ 2017
Sifat : Biasa
Perihal : **Determinasi Tanaman Belimbing Wuluh**

Memenuhi permohonan saudara :

Nama : ANISSA PARANOAN
NIM : 145070107121005
Fakultas : FAKULTAS KEDOKTERAN
UNIVERSITAS BRAWIJAYA MALANG

1. Perihal determinasi tanaman belimbing wuluh

Kingdom : Plantae
Sub Kingdom : Tracheobionta (berpembuluh)
Super Divisi : Spermatophyta
Divisi : Magnoliophyta
Sub divisi : Angiospermae
Kelas : Dicotyledoneae
Bangsa : Geraniales
Suku : Oxalidaceae
Marga : *Averrhoa*
Jenis : *Averrhoa bilimbi* L.

Nama Daerah : Limeng, selimeng, thlimeng (Aceh); selemeng (Gayo); asam, belimbing, balimbangan (Batak); malimbi (Nias); balimbieng (Minangkabau); belimbing asam (Melayu); Balimbing (Lampung); calincing, balingbing (Sunda); belimbing wuluh (Jawa); bhalingbhing bulu (Madura); blingbing buloh (Bali); limbi (Bima); balimbeng (Flores); libi (Sawu); belerang (Sangi).

Kunci Determinasi : 1b-2b-3b-4b-6b-7b-9b-10b-11b-12b-13b-14a-15b-197b-208b-219b-220b-224b-225b-225b-227b-229b-230b-234b-235b-236b-237b-238b-1b-1a.

2. Morfologi : Habitus: Pohon, tinggi 5-10 m. Batang: Tegak, bercabang-cabang, permukaan kasar, banyak tonjolan, hijau kotor. Daun: Majemuk, menyirip, anak daun 25-45 helai, bulat telur, ujung meruncing, pangkal membulat, panjang 7-10 cm, lebar 1-3 cm, bertangkai pendek, pertulangan menyirip, hijau muda, hijau. Bunga: Majemuk, bentuk malai, pada tonjolan batang dan cabang, menggantung, panjang 5-20 cm, kelopak ± 6 mm, merah, daun mahkota bergandengan, bentuk lanset, ungu. Buah: Buni, bulat, panjang 4-6 cm, hijau kekuningan. Biji: Lanset atau segi tiga, masih muda hijau setelah tua kuning kehijauan. Akar: Tunggang, coklat kehitaman.

3. Nama Simplisia : Bilimbi Folium / Daun Belimbing Wuluh.

4. Kandungan : Daun mengandung tanin, sulfur, asam format, peroksidase, kalsium oksalat, kalium sitrat, flavonoid, pektin, asam galat, dan asam ferulat. Daun, buah, bunga dan batang mengandung saponin dan flavonoida. Daun juga mengandung tanin dan batang mengandung alkaloida dan polifenol.

5. Penggunaan : Penelitian.

6. Daftar Pustaka

- Anonim. http://www.plantamor.com/belimbing_wuluh, diakses tanggal 11 Desember 2010.
- Anonim. http://www.warintek.ristek.go.id/belimbing_wuluh, diakses tanggal 23 Oktober 2010.
- Van Steenis, CGGJ. 2008. *FLORA: untuk Sekolah di Indonesia*. Pradnya Paramita, Jakarta.

Demikian surat keterangan determinasi ini kami buat untuk dipergunakan sebagaimana mestinya.

Batu, 15 Juni 2017
Kepala UPT Materia Medica Batu

Dr. Husni R. M., Drs., Apt., M.Kes.
NIP. 19611102 199103 1 003

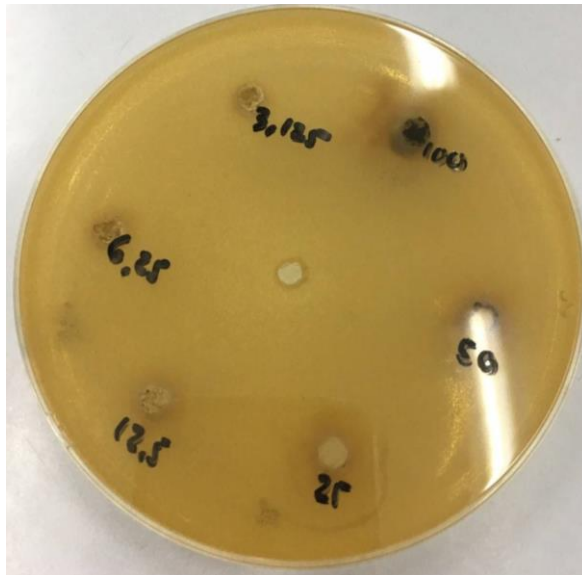
Determinasi Tanaman Belimbing Wuluh

Lampiran 2

bioMerieux Customer:	RS Dr SYAIFUL ANWAR MALANG Microbiology Chart Report	Printed Jul 27, 2017 07:36 ICT
Patient Name: ANISA		Patient ID: FK UB
Location:		Physician:
Lab ID: 26072017.12270		Isolate Number: 1
Organism Quantity: Selected Organism : Candida albicans		
Source: Foc. Candida		Collected:
Comments:		
Identification Information	Analysis Time: 18.25 hours	Status: Final
Selected Organism	99% Probability Candida albicans	
ID Analysis Messages	Bionumber: 4502546065327771	
Susceptibility Information	Analysis Time: 13.75 hours	Status: Final
Antimicrobial	MIC	Interpretation
Fluconazole	8	S
Voriconazole	2	I
Caspofungin	<= 0.25	S
	Antimicrobial	MIC
	Micafungin	<= 0.06
	Amphotericin B	0.5
	Flucytosine	<= 1
+= Deduced drug * = AES modified ** = User modified		
AES Findings		
Confidence:	Analysis not performed	
Page 1 of		

Hasil Uji Vitek II

Lampiran 3
Hasil Penelitian



Hasil Uji Pendahuluan Metode Difusi Sumuran

Lampiran 4

Uji Normalitas

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Ketebalan	.217	40	.000	.853	40	.000

a. Lilliefors Significance Correction

Lampiran 5

Uji Non-Parametrik Kruskal-Wallis

NPar Tests
Kruskal-Wallis Test

Ranks

	Kelompok	N	Mean Rank
Ketebalan	K Pos	4	6.50
	0%	4	38.50
	2%	4	30.50
	4%	4	30.50
	6%	4	30.50
	8%	4	22.50
	10%	4	16.50
	12%	4	16.50
	15%	4	6.50
	17.5%	4	6.50
	Total	40	

Test Statistics^{a,b}

	Ketebalan
Chi-Square	39.000
df	9
Asymp. Sig.	.000

a. Kruskal Wallis Test

b. Grouping Variable: Kelompok

Lampiran 6
Korelasi Spearman

Correlations

			Konsentrasi	Ketebalan
Spearman's rho	Konsentrasi	Correlation Coefficient	1.000	-.975**
		Sig. (2-tailed)	.	.000
		N	36	36
	Ketebalan	Correlation Coefficient	-.975**	1.000
		Sig. (2-tailed)	.000	.
		N	36	36

** . Correlation is significant at the .01 level (2-tailed).

Lampiran 7

Uji Non-Parametrik Mann-Whitney

NPar Tests
Mann-Whitney Test

Ranks

	Kelompok	N	Mean Rank	Sum of Ranks
Ketebalan	K Pos	4	2.50	10.00
	0%	4	6.50	26.00
	Total	8		

Test Statistics^a

	Ketebalan
Mann-Whitney U	.000
Wilcoxon W	10.000
Z	-2.646
Asymp. Sig. (2-tailed)	.008
Exact Sig. [2*(1-tailed Sig.)]	.029 ^a

a. Not corrected for ties.

b. Grouping Variable: Kelompok

NPar Tests
Mann-Whitney Test

Ranks

	Kelompok	N	Mean Rank	Sum of Ranks
Ketebalan	K Pos	4	2.50	10.00
	2%	4	6.50	26.00
	Total	8		

Test Statistics^b

	Ketebalan
Mann-Whitney U	.000
Wilcoxon W	10.000
Z	-2.646
Asymp. Sig. (2-tailed)	.008
Exact Sig. [2*(1-tailed Sig.)]	.029 ^a

a. Not corrected for ties.

b. Grouping Variable: Kelompok

NPar Tests

Mann-Whitney Test

Ranks

	Kelompok	N	Mean Rank	Sum of Ranks
Ketebalan	K Pos	4	2.50	10.00
	4%	4	6.50	26.00
	Total	8		

Test Statistics^b

	Ketebalan
Mann-Whitney U	.000
Wilcoxon W	10.000
Z	-2.646
Asymp. Sig. (2-tailed)	.008
Exact Sig. [2*(1-tailed Sig.)]	.029 ^a

a. Not corrected for ties.

b. Grouping Variable: Kelompok

NPar Tests

Mann-Whitney Test

Ranks

	Kelompok	N	Mean Rank	Sum of Ranks
Ketebalan	K Pos	4	2.50	10.00
	6%	4	6.50	26.00
	Total	8		

Test Statistics^b

	Ketebalan
Mann-Whitney U	.000
Wilcoxon W	10.000
Z	-2.646
Asymp. Sig. (2-tailed)	.008
Exact Sig. [2*(1-tailed Sig.)]	.029 ^a

a. Not corrected for ties.

b. Grouping Variable: Kelompok

NPar Tests

Mann-Whitney Test

Ranks

	Kelompok	N	Mean Rank	Sum of Ranks
Ketebalan	K Pos	4	2.50	10.00
	8%	4	6.50	26.00
	Total	8		

Test Statistics^b

	Ketebalan
Mann-Whitney U	.000
Wilcoxon W	10.000
Z	-2.646
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Mann-Whitney Test

Ranks

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Ketebalan	K Pos	4	2.50	10.00
	12%	4	6.50	26.00
	Total	8		

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a. Not corrected for ties.

b. Grouping Variable: Kelompok

NPar Tests

Mann-Whitney Test

Ranks

	Kelompok	N	Mean Rank	Sum of Ranks
Ketebalan	K Pos	4	4.50	18.00
	15%	4	4.50	18.00
	Total	8		

Test Statistics^b

	Ketebalan
Mann-Whitney U	8.000
Wilcoxon W	18.000
Z	.000
Asymp. Sig. (2-tailed)	1.000
Exact Sig. [2*(1-tailed Sig.)]	1.000 ^a

a. Not corrected for ties.

b. Grouping Variable: Kelompok

NPar Tests

Mann-Whitney Test

Ranks

	Kelompok	N	Mean Rank	Sum of Ranks
Ketebalan	K Pos	4	4.50	18.00
	17.5%	4	4.50	18.00
	Total	8		

Test Statistics^b

	Ketebalan
Mann-Whitney U	8.000
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Z	.000
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Ranks

	Kelompok	N	Mean Rank	Sum of Ranks
Ketebalan	0%	4	6.50	26.00
	4%	4	2.50	10.00
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Ranks

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Ranks

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Ranks

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Z	.000
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	Kelompok	N	Mean Rank	Sum of Ranks
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Asymp. Sig. (2-tailed)	.008
Exact Sig. [2*(1-tailed Sig.)]	.029 ^a

a. Not corrected for ties.

b. Grouping Variable: Kelompok

NPar Tests

Mann-Whitney Test

Ranks

	Kelompok	N	Mean Rank	Sum of Ranks
Ketebalan	8%	4	6.50	26.00
	12%	4	2.50	10.00
Total		8		

Test Statistics^b

	Ketebalan
Mann-Whitney U	.000
Wilcoxon W	10.000
Z	-2.646
Asymp. Sig. (2-tailed)	.008
Exact Sig. [2*(1-tailed Sig.)]	.029 ^a

a. Not corrected for ties.

b. Grouping Variable: Kelompok

NPar Tests

Mann-Whitney Test

Ranks

	Kelompok	N	Mean Rank	Sum of Ranks
Ketebalan	8%	4	6.50	26.00
	15%	4	2.50	10.00
Total		8		

Test Statistics^b

	Ketebalan
Mann-Whitney U	.000
Wilcoxon W	10.000
Z	-2.646
Asymp. Sig. (2-tailed)	.008
Exact Sig. [2*(1-tailed Sig.)]	.029 ^a

a. Not corrected for ties.

b. Grouping Variable: Kelompok

NPar Tests

Mann-Whitney Test

Ranks

	Kelompok	N	Mean Rank	Sum of Ranks
Ketebalan	8%	4	6.50	26.00
	17.5%	4	2.50	10.00
	Total	8		

Test Statistics^b

	Ketebalan
Mann-Whitney U	.000
Wilcoxon W	10.000
Z	-2.646
Asymp. Sig. (2-tailed)	.008
Exact Sig. [2*(1-tailed Sig.)]	.029 ^a

a. Not corrected for ties.

b. Grouping Variable: Kelompok

NPar Tests

Mann-Whitney Test

Ranks

	Kelompok	N	Mean Rank	Sum of Ranks
Ketebalan	10%	4	4.50	18.00
	12%	4	4.50	18.00
	Total	8		

Test Statistics^b

	Ketebalan
Mann-Whitney U	8.000
Wilcoxon W	18.000
Z	.000
Asymp. Sig. (2-tailed)	1.000
Exact Sig. [2*(1-tailed Sig.)]	1.000 ^a

a. Not corrected for ties.

b. Grouping Variable: Kelompok

NPar Tests

Mann-Whitney Test

Ranks

	Kelompok	N	Mean Rank	Sum of Ranks
Ketebalan	10%	4	6.50	26.00
	15%	4	2.50	10.00
Total		8		

Test Statistics^b

	Ketebalan
Mann-Whitney U	.000
Wilcoxon W	10.000
Z	-2.646
Asymp. Sig. (2-tailed)	.008
Exact Sig. [2*(1-tailed Sig.)]	.029 ^a

a. Not corrected for ties.

b. Grouping Variable: Kelompok

NPar Tests

Mann-Whitney Test

Ranks

	Kelompok	N	Mean Rank	Sum of Ranks
Ketebalan	10%	4	6.50	26.00
	17.5%	4	2.50	10.00
Total		8		

Test Statistics^b

	Ketebalan
Mann-Whitney U	.000
Wilcoxon W	10.000
Z	-2.646
Asymp. Sig. (2-tailed)	.008
Exact Sig. [2*(1-tailed Sig.)]	.029 ^a

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b. Grouping Variable: Kelompok

NPar Tests

Mann-Whitney Test

Ranks

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Ketebalan	12%	4	6.50	26.00
	15%	4	2.50	10.00
	Total	8		

Test Statistics^b

	Ketebalan
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Mann-Whitney Test

Ranks

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	Total	8		

Test Statistics^b

	Ketebalan
Mann-Whitney U	.000
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Exact Sig. [2*(1-tailed Sig.)]	.029 ^a

a. Not corrected for ties.

b. Grouping Variable: Kelompok