

Lampiran 1

PERNYATAAN KEASLIAN TULISAN

Saya yang bertanda tangan di bawah ini:

Nama : Auliasila Chitriny

NIM : 125070400111025

Program Studi : Program Studi Pendidikan Dokter Gigi

Fakultas Kedokteran Universitas Brawijaya,

menyatakan dengan sebenarnya bahwa Tugas Akhir yang saya tulis ini benar-benar hasil karya sendiri, bukan merupakan pengambilan tulisan atau pikiran orang lain yang saya akui sebagai tulisan atau pikiran saya sendiri. Apabila dikemudian hari dapat dibuktikan bahwa tugas akhir ini adalah jiplakan, maka saya bersedia menerima sanksi atas perbuatan tersebut.

Malang, 16 Februari 2016

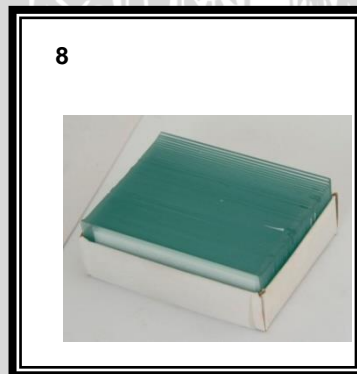
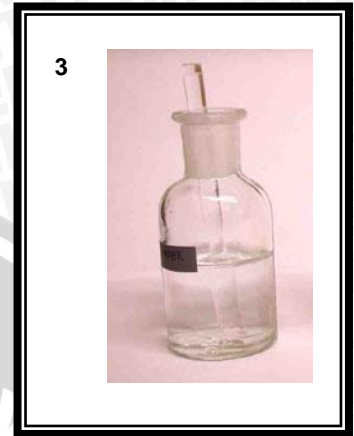
Yang membuat pernyataan,

Auliasila Chitriny

NIM. 125070400111025

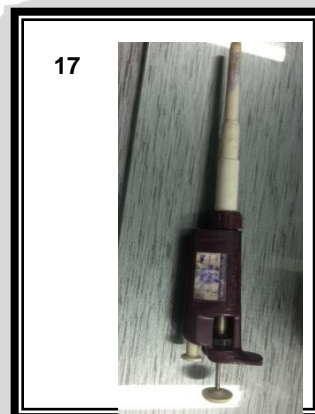
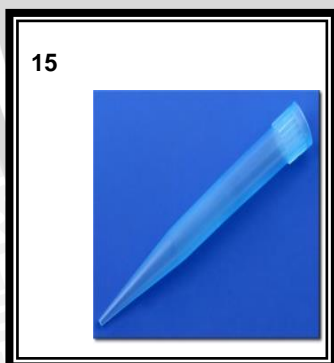
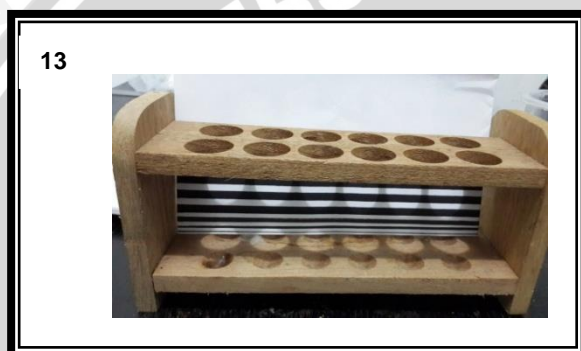
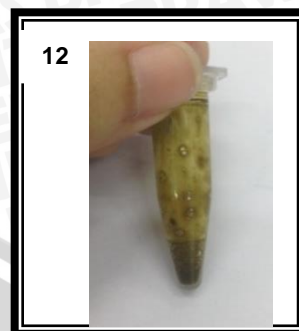
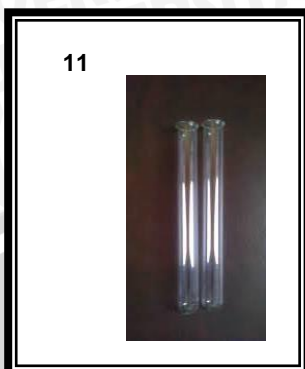
Lampiran 2

Foto Alat dan Bahan Penelitian



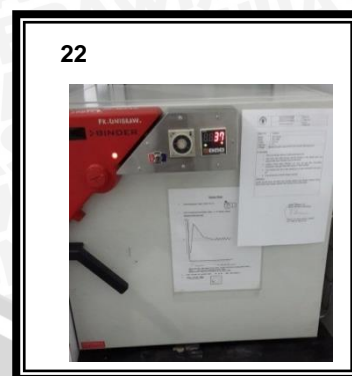
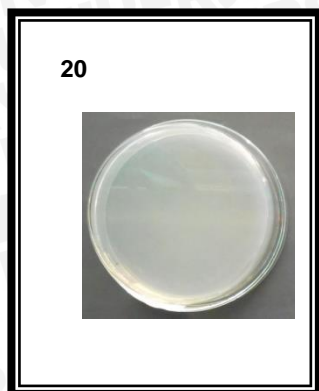
Keterangan:

- 1 = Isolat *Enterococcus faecalis*
- 2 = Pewarna Gram (kristal violet, lugol, alkohol 96%, safranin)
- 3 = Minyak emersi
- 4 = Aquades
- 5 = Ose
- 6 = Mikroskop
- 7 = Bunsen brander
- 8 = Object glass
- 9 = Kertas penering



Keterangan:

- 10 = H₂O₂ 3%
- 11 = Tabung reaksi
- 12 = Ekstrak Etanol Daun Kumis Kucing
- 13 = Rak tabung reaksi
- 14 = Vortex
- 15 = Tip Mikropipet
- 16 = Colony counter
- 17 = Mikropipet



Keterangan:
18 = BHIA
19 = Spektrofotometer
20 = Inkubator



Lampiran 3

Hasil Uji Statistik

1. Uji Normalitas dan Homogenitas

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Pertumbuhan_Bakteri	.128	32	.199	.968	32	.442

a. Lilliefors Significance Correction

Test of Homogeneity of Variances

Pertumbuhan_Bakteri

Levene Statistic	df1	df2	Sig.
2.169	7	24	.074

2. Uji One-way ANOVA

Descriptives

Pertumbuhan_Bakteri								
	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
0%	4	1200.2500	355.73621	177.86810	634.1943	1766.3057	814.00	1640.00
25%	4	339.0000	67.09694	33.54847	232.2338	445.7662	274.00	433.00
27.5%	4	221.7500	52.25179	26.12590	138.6057	304.8943	144.00	255.00
30%	4	52.0000	6.68331	3.34166	41.3654	62.6346	46.00	60.00
32.5%	4	6.0000	1.82574	.91287	3.0948	8.9052	4.00	8.00
35%	4	.5000	.57735	.28868	-.4187	1.4187	.00	1.00
37.5%	4	.0000	.00000	.00000	.0000	.0000	.00	.00
40%	4	.0000	.00000	.00000	.0000	.0000	.00	.00
Total	32	227.4375	408.61425	72.23348	80.1164	374.7586	.00	1640.00

ANOVA

Pertumbuhan_Bakteri

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	4774447	7	682063.911	40.772	.000
Within Groups	401486.5	24	16728.604		
Total	5175934	31			



3. Post Hoc Tukey Test

Multiple Comparisons

Dependent Variable: Pertumbuhan_Bakteri

Tukey HSD

(I) Kelompok	(J) Kelompok	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
0%	25%	861.25000*	91.45656	.000	558.3538	1164.1462
	27.5%	978.50000*	91.45656	.000	675.6038	1281.3962
	30%	1148.25000*	91.45656	.000	845.3538	1451.1462
	32.5%	1194.25000*	91.45656	.000	891.3538	1497.1462
	35%	1199.75000*	91.45656	.000	896.8538	1502.6462
	37.5%	1200.25000*	91.45656	.000	897.3538	1503.1462
	40%	1200.25000*	91.45656	.000	897.3538	1503.1462
25%	0%	-861.25000*	91.45656	.000	-1164.1462	-558.3538
	27.5%	117.25000	91.45656	.897	-185.6462	420.1462
	30%	287.00000	91.45656	.072	-15.8962	589.8962
	32.5%	333.00000*	91.45656	.024	30.1038	635.8962
	35%	338.50000*	91.45656	.021	35.6038	641.3962
	37.5%	339.00000*	91.45656	.021	36.1038	641.8962
	40%	339.00000*	91.45656	.021	36.1038	641.8962
27.5%	0%	-978.50000*	91.45656	.000	-1281.3962	-675.6038
	25%	-117.25000	91.45656	.897	-420.1462	185.6462
	30%	169.75000	91.45656	.591	-133.1462	472.6462
	32.5%	215.75000	91.45656	.305	-87.1462	518.6462
	35%	221.25000	91.45656	.277	-81.6462	524.1462
	37.5%	221.75000	91.45656	.274	-81.1462	524.6462
	40%	221.75000	91.45656	.274	-81.1462	524.6462
30%	0%	-1148.2500*	91.45656	.000	-1451.1462	-845.3538
	25%	-287.00000	91.45656	.072	-589.8962	15.8962
	27.5%	-169.75000	91.45656	.591	-472.6462	133.1462
	32.5%	46.00000	91.45656	1.000	-256.8962	348.8962
	35%	51.50000	91.45656	.999	-251.3962	354.3962
	37.5%	52.00000	91.45656	.999	-250.8962	354.8962
	40%	52.00000	91.45656	.999	-250.8962	354.8962
32.5%	0%	-1194.2500*	91.45656	.000	-1497.1462	-891.3538
	25%	-333.00000*	91.45656	.024	-635.8962	-30.1038
	27.5%	-215.75000	91.45656	.305	-518.6462	87.1462
	30%	-46.00000	91.45656	1.000	-348.8962	256.8962
	35%	5.50000	91.45656	1.000	-297.3962	308.3962
	37.5%	6.00000	91.45656	1.000	-296.8962	308.8962
	40%	6.00000	91.45656	1.000	-296.8962	308.8962
35%	0%	-1199.7500*	91.45656	.000	-1502.6462	-896.8538
	25%	-338.50000*	91.45656	.021	-641.3962	-35.6038
	27.5%	-221.25000	91.45656	.277	-524.1462	81.6462
	30%	-51.50000	91.45656	.999	-354.3962	251.3962
	32.5%	-5.50000	91.45656	1.000	-308.3962	297.3962
	37.5%	.50000	91.45656	1.000	-302.3962	303.3962
	40%	.50000	91.45656	1.000	-302.3962	303.3962
37.5%	0%	-1200.2500*	91.45656	.000	-1503.1462	-897.3538
	25%	-339.00000*	91.45656	.021	-641.8962	-36.1038
	27.5%	-221.75000	91.45656	.274	-524.6462	81.1462
	30%	-52.00000	91.45656	.999	-354.8962	250.8962
	32.5%	-6.00000	91.45656	1.000	-308.8962	296.8962
	35%	-50000	91.45656	1.000	-303.3962	302.3962
	40%	.00000	91.45656	1.000	-302.8962	302.8962
40%	0%	-1200.2500*	91.45656	.000	-1503.1462	-897.3538
	25%	-339.00000*	91.45656	.021	-641.8962	-36.1038
	27.5%	-221.75000	91.45656	.274	-524.6462	81.1462
	30%	-52.00000	91.45656	.999	-354.8962	250.8962
	32.5%	-6.00000	91.45656	1.000	-308.8962	296.8962
	35%	-50000	91.45656	1.000	-303.3962	302.3962
	37.5%	.00000	91.45656	1.000	-302.8962	302.8962

*. The mean difference is significant at the .05 level.

Pertumbuhan_Bakteri

Tukey HSD^a

Kelompok	N	Subset for alpha = .05		
		1	2	3
37.5%	4	.0000		
40%	4	.0000		
35%	4	.5000		
32.5%	4	6.0000		
30%	4	52.0000	52.0000	
27.5%	4	221.7500	221.7500	
25%	4		339.0000	
0%	4			1200.2500
Sig.		.274	.072	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 4.000.

4. Uji Korelasi Pearson

Correlations			
		Konsentrasi	Pertumbuhan_Bakteri
Konsentrasi	Pearson Correlation	1	-.939**
	Sig. (2-tailed)	.	.000
	N	32	32
Pertumbuhan_Bakteri	Pearson Correlation	-.939**	1
	Sig. (2-tailed)	.000	.
	N	32	32

** . Correlation is significant at the 0.01 level (2-tailed).

5. Uji Regresi



Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.939 ^a	.881	.877	143.37311

a. Predictors: (Constant), Konsentrasi

ANOVA^b

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	4559258	1	4559258.384	221.799	.000 ^a
	Residual	616675.5	30	20555.850		
	Total	5175934	31			

a. Predictors: (Constant), Konsentrasi

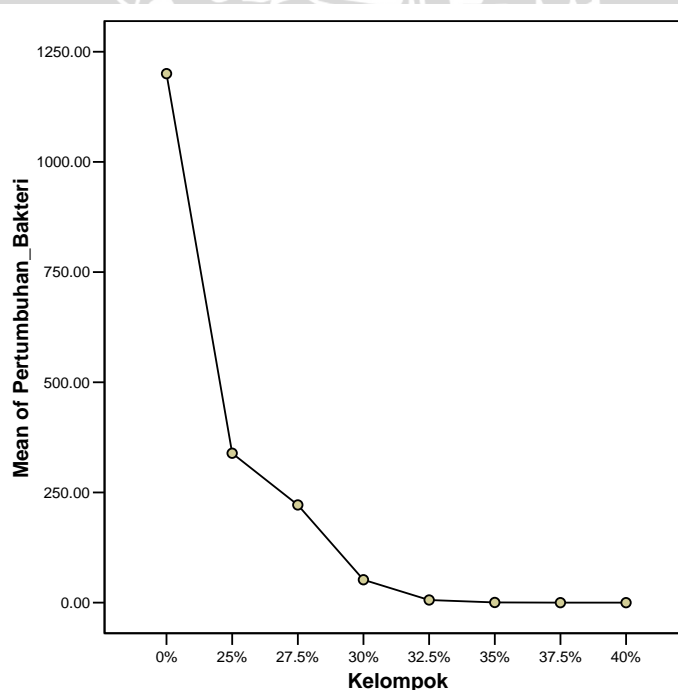
b. Dependent Variable: Pertumbuhan_Bakteri

Coefficients^c

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	1143.165	66.506		17.189	.000
	Konsentrasi	-32.201	2.162	-.939	-14.893	.000

a. Dependent Variable: Pertumbuhan_Bakteri

6. Means Plot



Lampiran 4

Determinasi Tanaman Kumis Kucing (*Orthosiphon aristatus*)



DINAS KESEHATAN PROPINSI JAWA TIMUR

UPT MATERIA MEDICA

Jalan Lahor No.87 Telp. (0341) 593396 Batu (65313)

KOTA BATU

Nomor : 074/410/101.8/2015
Sifat : Biasa
Perihal : **Determinasi Tanaman Kumis Kucing**

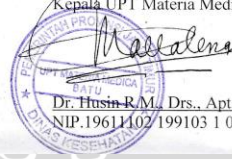
Memenuhi permohonan saudara :

Nama : AULIASILA CHITRINY
NIM : 125070400111025
Fakultas : FAKULTAS KEDOKTERAN (JURUSAN PENDIDIKAN DOKTER GIGI)
UNIVERSITAS BRAWIJAYA MALANG

- Perihal determinasi tanaman kumis kucing
Kingdom : Plantae
Sub Kingdom : Tracheobionta (tumbuhan berpembuluh)
Super Divisi : Spermatophyta. (Menghasilkan Biji)
Divisi : Angiospermae/ Magnoliophyta (Tumbuhan berbunga)
Kelas : Dicotyledonae/ Magnoliopsida (Berkeping dua)
Bangsa : Tubiflorae
Suku : Labiatae
Marga : Orthosiphon
Jenis : *Orthosiphon stamineus* Benth
Sinonim : *O. spicatu* = *O. grandiflorum* Bid.=*O. longiflorum* Ham.= *O. grandiflorum et aristatum* Bl.=*O. spiralis* Merr.= *O. stamineus* Benth. = *Clerodendranthus spicatus* (Thunb.) C.Y. Wu.= *Trichostemma spiralis* Lour.our. KK
Kunci Determinasi : 1b-2b-3b-4b-6b-7b-9b-10b-11b-12b-13b-14b-16a-239b-243b-244b-248b-249b-250b-266b-267b-273b-276b-278b-279b-282a-1a-2a-4b-6a.
- Morfologi : Habitus: Semak, tahunan, tinggi 50-150 cm. Batang: Berkayu, segi empat, beruas, bercabang, coklat kehijauan. Daun: Tunggal, bulat telur, panjang 7-10 cm, lebar 8-50 cm, tepi bergerigi, ujung dan pangkal runcing, tipis, hijau. Bunga: Majemuk, bentuk malai, di ujung ranting dan cabang, kelopak berlekatan, ujung terbagi empat, hijau, benang sari empat, kepala sari ungu, putik satu, putih, mahkota bentuk bibir, putih. Buah: Kotak, bulat telur, masih muda hijau setelah tua coklat. Biji: Kecil, masih muda hijau setelah tua hitam. Akar: Tunggang, putih kotor.
- Nama Simplisia : Orthosiphonis Folium / Daun kumis kucing.
- Kandungan : Daun mengandung alkaloid, saponin, flavonoida, polifenol, orthosiphon glikosida, zat samak, minyak atsiri, minyak lemak, saponin, saponin, garam kalium, dan mioinositol.
- Penggunaan : Penelitian (Tugas Akhir).
- Daftar Pustaka
 - Anonim. <http://www.ipteknet.co.id/kumiskucing>, diakses tanggal 22 Oktober 2010.
 - Anonim. <http://www.plantamor.com/kumis-kucing>, diakses tanggal 9 Desember 2010.
 - Anonim. <http://www.warintek.ristek.go.id/kumiskucing>, diakses tanggal 3 November 2010.
 - Syamsuhidayat, Sri Sugati dan Hutapea, Johny Ria. 1991. *Inventaris Tanaman Obat Indonesia I*. Departemen Kesehatan Republik Indonesia: Badan Penelitian Dan Pengembangan Kesehatan.
 - Van Steenis, CGGJ. 2008. *FLORA*. Pradnya Paramita, Jakarta.

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

Batu, 13 Juli 2015
Kepala UPT Materia Medica Batu



Dr. Husein R.M. Drs., Apt. M.Kes.
NIP.196111021991031003

