

Lampiran

Lampiran 1

Pernyataan Keaslian Tulisan

Saya yang bertanda tangan dibawah ini:

Nama : Nurmalia Nirwana

NIM : 125070407111008

Program Studi : Program Studi Kedokteran Gigi

Fakultas Kedokteran Gigi Universitas Brawijaya,

menyatakan dengan sebenarnya bahwa skripsi 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 skripsi ini adalah jiplakan, maka saya bersedia menerima sanksi atas perbuatan tersebut.

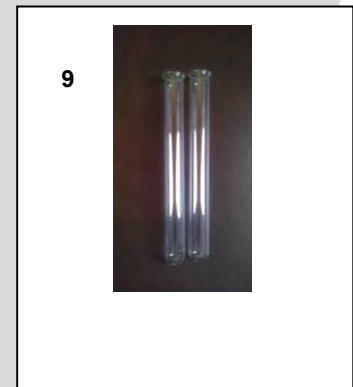
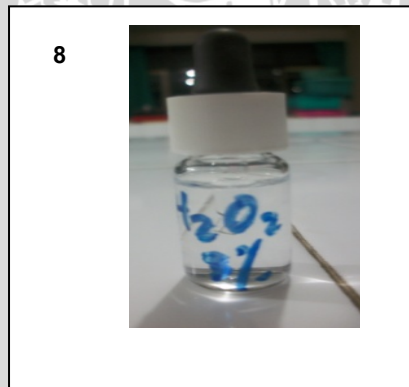
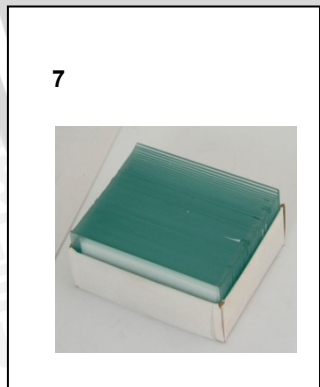
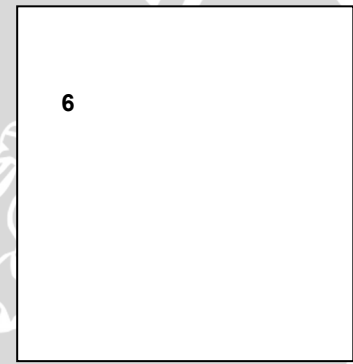
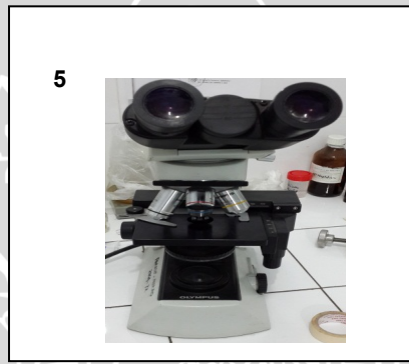
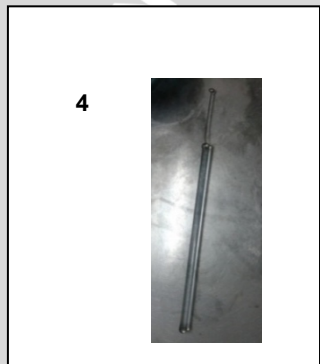
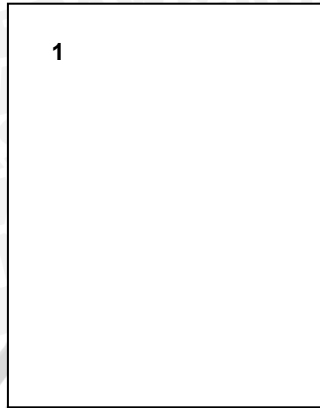
Malang, 23 Oktober 2016

Nurmalia Nirwana

NIM. 125070407111008

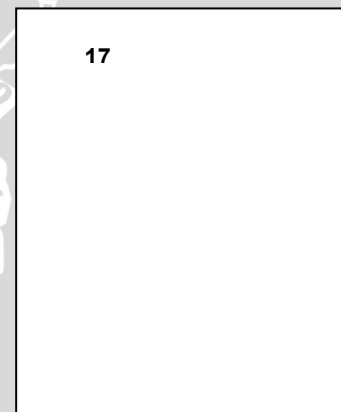
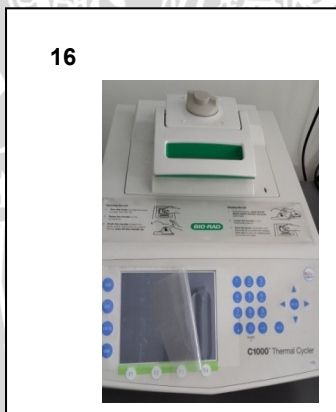
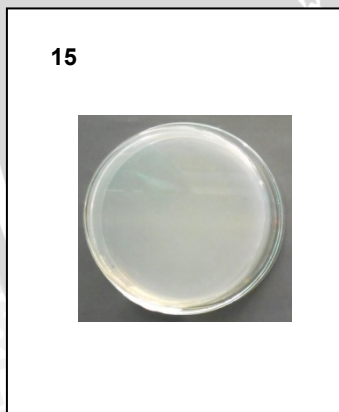
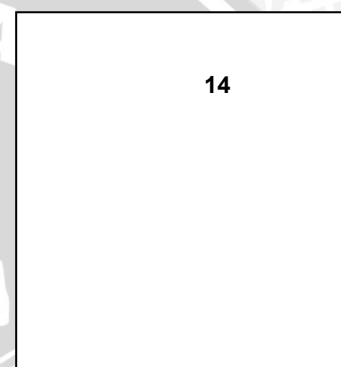
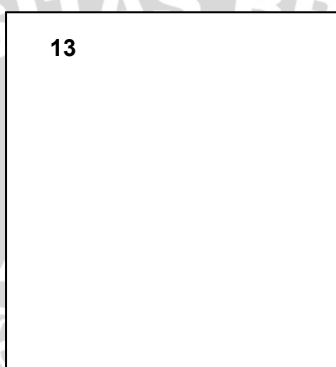
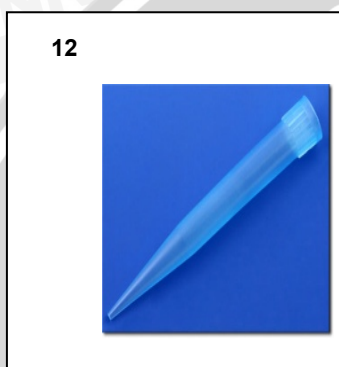
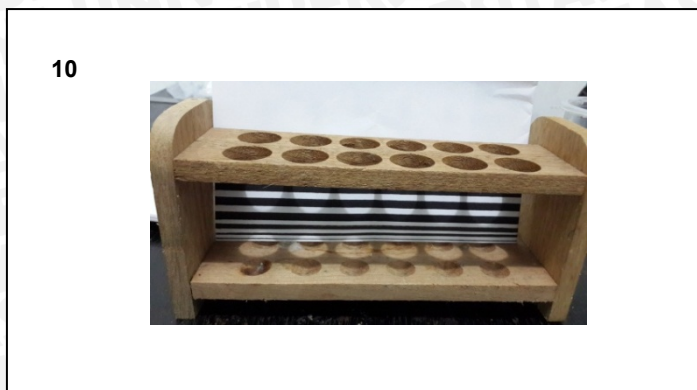
Lampiran 2

Foto Alat dan Bahan Penelitian



Keterangan:

- 1 = Inkubator
- 2 = Pewarna Gram (kristal violet, lugol, alkohol 96%, safranin)
- 3 = Aquades
- 4 = Ose
- 5 = Mikroskop
- 6 = Bunsen brander
- 7 = Object glass
- 8 = H₂O₂ 3%
- 9 = Tabung Reaksi



Keterangan:

- 10 = Rak tabung reaksi
- 11 = Vortex
- 12 = Tip Mikropipet
- 13 = Cawan petri
- 14 = Ekstrak etanol daun pare
- 15 = BHIA
- 16 = Spektrofotometer
- 17 = Mikropipet

Lampiran 3

Hasil Uji Statistik

1. Uji Normalitas dan Homogenitas

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Zona Hambat	.175	28	.027	.938	28	.096

a. Lilliefors Significance Correction

Test of Homogeneity of Variances

Zona Hambat

Levene Statistic	df1	df2	Sig.
1.714	6	21	.167

2. Uji One way ANOVA

Descriptives

Zona Hambat									
	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum	
					Lower Bound	Upper Bound			
0%	4	.0000	.00000	.00000	.0000	.0000	.00	.00	
3.125%	4	10.5050	.34952	.17476	9.9488	11.0612	10.22	11.01	
6.25%	4	11.3125	.91711	.45856	9.8532	12.7718	10.47	12.16	
12.5%	4	12.1250	.19689	.09845	11.8117	12.4383	11.90	12.38	
25%	4	13.2900	.35043	.17521	12.7324	13.8476	12.88	13.62	
50%	4	14.1725	.32325	.16163	13.6581	14.6869	13.70	14.40	
100%	4	14.5800	.45833	.22917	13.8507	15.3093	14.07	15.16	
Total	28	10.8550	4.74015	.89580	9.0170	12.6930	.00	15.16	

ANOVA

Zona Hambat

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	602.346	6	100.391	488.221	.000
Within Groups	4.318	21	.206		
Total	606.664	27			

3. Uji Post Hoc Tukey Test

Multiple Comparisons

Dependent Variable: Zona Hambat

Tukey HSD

(I) Kelompok	(J) Kelompok	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
0%	3.125%	-10.5050*	.32064	.000	-11.5473	-9.4627
	6.25%	-11.3125*	.32064	.000	-12.3548	-10.2702
	12.5%	-12.1250*	.32064	.000	-13.1673	-11.0827
	25%	-13.2900*	.32064	.000	-14.3323	-12.2477
	50%	-14.1725*	.32064	.000	-15.2148	-13.1302
	100%	-14.5800*	.32064	.000	-15.6223	-13.5377
3.125%	0%	10.5050*	.32064	.000	9.4627	11.5473
	6.25%	-.8075	.32064	.203	-1.8498	.2348
	12.5%	-1.6200*	.32064	.001	-2.6623	-.5777
	25%	-2.7850*	.32064	.000	-3.8273	-1.7427
	50%	-3.6675*	.32064	.000	-4.7098	-2.6252
	100%	-4.0750*	.32064	.000	-5.1173	-3.0327
6.25%	0%	11.3125*	.32064	.000	10.2702	12.3548
	3.125%	.8075	.32064	.203	-.2348	1.8498
	12.5%	-.8125	.32064	.197	-1.8548	.2298
	25%	-1.9775*	.32064	.000	-3.0198	-.9352
	50%	-2.8600*	.32064	.000	-3.9023	-1.8177
	100%	-3.2675*	.32064	.000	-4.3098	-2.2252
12.5%	0%	12.1250*	.32064	.000	11.0827	13.1673
	3.125%	1.6200*	.32064	.001	.5777	2.6623
	6.25%	.8125	.32064	.197	-.2298	1.8548
	25%	-1.1650*	.32064	.022	-2.2073	-.1227
	50%	-2.0475*	.32064	.000	-3.0898	-1.0052
	100%	-2.4550*	.32064	.000	-3.4973	-1.4127
25%	0%	13.2900*	.32064	.000	12.2477	14.3323
	3.125%	2.7850*	.32064	.000	1.7427	3.8273
	6.25%	1.9775*	.32064	.000	.9352	3.0198
	12.5%	1.1650*	.32064	.022	.1227	2.2073
	50%	-.8825	.32064	.134	-1.9248	.1598
	100%	-1.2900*	.32064	.009	-2.3323	-.2477
50%	0%	14.1725*	.32064	.000	13.1302	15.2148
	3.125%	3.6675*	.32064	.000	2.6252	4.7098
	6.25%	2.8600*	.32064	.000	1.8177	3.9023
	12.5%	2.0475*	.32064	.000	1.0052	3.0898
	25%	.8825	.32064	.134	-.1598	1.9248
	100%	-.4075	.32064	.857	-1.4498	.6348
100%	0%	14.5800*	.32064	.000	13.5377	15.6223
	3.125%	4.0750*	.32064	.000	3.0327	5.1173
	6.25%	3.2675*	.32064	.000	2.2252	4.3098
	12.5%	2.4550*	.32064	.000	1.4127	3.4973
	25%	1.2900*	.32064	.009	.2477	2.3323
	50%	.4075	.32064	.857	-.6348	1.4498

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

Zona Hambat

Tukey HSD^a

Kelompok	N	Subset for alpha = .05				
		1	2	3	4	5
0%	4	.0000				
3.125%	4		10.5050			
6.25%	4		11.3125	11.3125		
12.5%	4			12.1250		
25%	4				13.2900	
50%	4				14.1725	14.1725
100%	4					14.5800
Sig.		1.000	.203	.197	.134	.857

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 4.000.

4. Uji Korelasi Pearson

Correlations

		Konsentrasi	Zona Hambat
Konsentrasi	Pearson Correlation	1	.567**
	Sig. (2-tailed)	.	.002
	N	28	28
Zona Hambat	Pearson Correlation	.567**	1
	Sig. (2-tailed)	.002	.
	N	28	28

** . 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	.567 ^a	.322	.296	3.97749

a. Predictors: (Constant), Konsentrasi



ANOVA^b

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	195.332	1	195.332	12.347	.002 ^a
	Residual	411.332	26	15.820		
	Total	606.664	27			

a. Predictors: (Constant), Konsentrasi

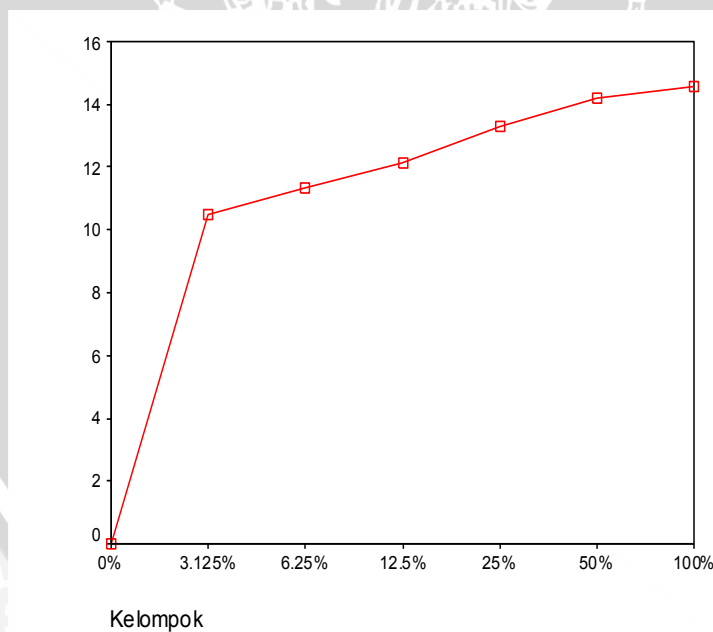
b. Dependent Variable: Zona Hambat

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	8.629	.983		8.777	.000
	Konsentrasi	.079	.023	.567	3.514	.002

a. Dependent Variable: Zona Hambat

6. Means Plot



Lampiran 4

Determinasi Tanaman Pare (*Momordica charantia* L.)



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

Nomor : 074 / 207 / 101.8 / 2016
Sifat : Biasa
Perihal : **Determinasi Tanaman Pare**

Memenuhi permohonan saudara :

Nama : NURMALIA NIRWANA
NIM : 125070407111008
Fakultas : JURUSAN PENDIDIKAN DOKTER GIGI, FAKULTAS KEDOKTERAN GIGI
UNIVERSITAS BRAWIJAYA MALANG

1. Perihal determinasi tanaman pare

Kingdom : Plantae (Tumbuhan)
Subkingdom : Tracheobionta (Tumbuhan berpembuluh)
Super Divisi : Spermatophyta (Menghasilkan biji)
Divisi : Magnoliophyta (Tumbuhan berbunga)
Kelas : Magnoliopsida
Bangsa : Violales
Suku : Cucurbitaceae
Marga : Momordica
Jenis : *Momordica charantia* L.
Sinonim : *M. balsamina* Blanco. = *M. balsamina* Descourt. = *M. cylindrica* Blanco. =
M. jagorana C.Koch. = *M. operculata* Vell. = *Cucumis africanus* Lindl.
Nama Daerah : Paria, pare, pare pahit, pepareh (Jawa). Prieu, peria, foria, pepare, kambah, paria
(Sumatera). Paya, paria, truujuk, paia, paliak, pariak, pania, pepule (Nusa tenggara).
Poya, pudu, pentu, paria belenggede, palia (Sulawesi).
Kunci Determinasi : 1b-2b-3b-4b-6b-7b-9b-10b-11b-12b-13b-14b-15a-109a-110b-111b- 112b-117b-
1a-2b-3b-3.

2. Morfologi

: Tanaman setahun, merambat atau memanjat dengan alat pembelit atau sulur berbentuk spiral, bercabang banyak, berbau tidak enak. Batang berusuk lima, panjang 2-5 m, yang muda berambut rapat. Daun tunggal, bertangkai yang panjangnya 1.5-5.3 cm, letak berseling, bentuknya bulat panjang, dengan panjang 3.5-8.5 cm, lebar 4 cm, berbagi menjari 5-7, pangkal berbentuk jantung, warnanya hijau tua. Tajuk bergigi kasar sampai berlekuk menyirip. Bunga tunggal, berkelamin dua dalam satu pohon, bertangkai panjang, berwarna kuning. Buah bulat memanjang, dengan 8-10 rusuk memanjang, berbintil-bintil tidak beraturan, panjangnya 8-30 cm, rasanya pahit. Warna buah hijau, bila masak menjadi oranye yang pecah dengan 3 katup. Biji banyak, coklat kekuningan, bentuknya pipih memanjang, keras

3. Nama Simplisia

: Momordicae Folium / Daun pare.

4. Kandungan

: Daun mengandung momordisin, momordin, karantin, asam trikosanik, resin, asam resinat, saponin, zat pahit, asam damar, protein, besi, kalsium, fosfor, vitamin A, B1 dan C serta minyak lemak terdiri dari asam oleat, asam linoleat, asam stearat dan L.oleostearat. Buah mengandung karantin, hydroxytryptamine, vitamin A,B dan C. Biji mengandung momordisin.

5. Penggunaan

: Penelitian.

6. Daftar Pustaka

- Anonim. <http://www.iptek.net/Pare>, diakses tanggal 29 Oktober 2010.
- Anonim. <http://www.plantamor.com/Pare>, diakses tanggal 15 Desember 2010.
- Anonim. <http://www.warintek.ristek.go.id/Pare>, diakses tanggal 25 November 2010.
- Syamsuhidayat, Sri Sugati dan Johny Ria Hutapea. 1991. *Inventaris Tanaman Obat Indonesia I*. Departemen Kesehatan Republik Indonesia: Badan Penelitian dan Pengembangan Kesehatan.
- Van Steenis, C.G.G.J. 2008. *FLORA*. Pradnya Paramita, Jakarta.

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

Batu, 20 Juli 2016
Kepala UPT Materia Medica Batu

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



Lampiran 5

Sertifikat Isolat Bakteri *Streptococcus mutans*

BBLK Surabaya

bioMerieux Customer:
System #: 3187

Laboratory Report

Printed Jul 28, 2016 11:51 ICT
Printed by: labsuper

Patient Name: S. mutans
Isolate Group: S. mutans-1

Patient ID: S. mutans

Card Type: GP Testing Instrument: 00000EEA51C1 (3187)

Bionumber: 140011364753531
Organism Quantity:

Comments:	

Identification Information	Card: GP	Lot Number: 242340110	Expires: Apr 6, 2016 12:00 ICT
	Completed: Mar 15, 2016 22:03 ICT	Status: Final	Analysis Time: 6.00 hours
Selected Organism	98% Probability <i>Streptococcus mutans</i>		Bionumber: 140011364753531
SRF Organism	Confidence: Excellent identification		
Analysis Organisms and Tests to Separate:			
Analysis Messages:			
Contraindicating Typical Biopattern(s) Streptococcus mutans TyrA(23),			

Biochemical Details																	
2	AMY	+	4	PIPLC	-	5	dXYL	-	8	ADH1	-	9	BGAL	-	11	AGLU	+
13	APPA	-	14	CDEX	-	15	AspA	-	16	BGAR	-	17	AMAN	-	19	PHOS	-
20	LeuA	+	23	ProA	-	24	BGURr	-	25	AGAL	+	26	PyrA	-	27	BGUR	-
28	AlaA	+	29	TyrA	+	30	dSOR	-	31	URE	-	32	POLYB	+	37	dGAL	+
38	dRIB	-	39	ILATk	-	42	LAC	+	44	NAG	+	45	dMAL	+	46	BACI	+
47	NOVO	+	50	NC6.5	-	52	dMAN	+	53	dMNE	+	54	MBdG	+	56	PUL	-
57	dRAF	+	58	O129R	(-)	59	SAL	+	60	SAC	+	62	dTRE	+	63	ADH2s	-
64	OPTO	+															

Installed VITEK 2 Systems Version: 07.01
MIC Interpretation Guideline:
AES Parameter Set Name:

Therapeutic Interpretation Guideline:
AES Parameter Last Modified:

