

Lampiran 1

SURAT PERMOHONAN IZIN

Lampiran : 1 (Daftar alat dan reagen)
Perihal : Penggunaan Laboratorium dan fasilitasnya

Kepada
Yth. Kaprodi D3 Analis Kesehatan
Fakultas Ilmu Kesehatan UM Surabaya
Di Tempat

Assalamuallaikum Wr. Wb

Sehubungan dengan pelaksanaan penelitian untuk menyusun Karya Tulis Ilmiah (KTI) 2013 – 2014, maka saya yang bertanda tangan dibawah ini :

Nama : Febrina Puspitasari Utami
Nim : 20110662054
Semester / tingkat : 6 (enam) / III (tiga)
Judul KTI : “Pengaruh variasi konsentrasi perasan jeruk nipis (*Citrus aurantifolia*) terhadap pertumbuhan *Candida albicans*.”

Mengajukan permohonan penggunaan Laboratorium Mikrobiologi untuk memeriksa sampel penelitian dan peminjaman alat sebagaimana terlampir, kiranya Bapak/Ibu ditempat memberikan izin agar dapat mempermudah penelitian.

Demikian surat permohonan izin ini saya buat atas izin Bapak/Ibu penanggung jawab, saya ucapkan terima kasih.

Wasalamuallaikum Wr. Wb

Surabaya, 05 April 2014

Dosen pembimbing I



Baterun Kunsah, ST, M.Si

Pemohon



Febrina Puspitasari Utami

Tembusan Yth :

1. Penanggung Jawab Laboratorium Mikrobiologi
2. Arsip

Lampiran 2

NPAR TESTS
 /K-S (NORMAL)=logaritma
 /STATISTICS DESCRIPTIVES

 /MISSING ANALYSIS.

NPar Tests

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
Jumlah.koloni	20	.8563	.70113	.00	2.43

One-Sample Kolmogorov-Smirnov Test

		Jumlah.koloni
N		20
Normal Parameters ^a	Mean	.8563
	Std. Deviation	.70113
Most Extreme Differences	Absolute	.196
	Positive	.196
	Negative	-.114
Kolmogorov-Smirnov Z		.876
Asymp. Sig. (2-tailed)		.427
a. Test distribution is Normal.		

Lampiran 3

ONEWAY logaritma BY kelompok
 /MISSING ANALYSIS
 /POSTHOC=TUKEY T3 ALPHA(0.05).

Oneway

Descriptives

Jumlah.koloni

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
0	4	2.0725	.28831	.14416	1.6137	2.5312	1.72	2.43
20	4	.9747	.05954	.02977	.8799	1.0694	.90	1.04
40	4	.6391	.12978	.06489	.4326	.8456	.48	.78
60	2	.1505	.21286	.15051	-1.7620	2.0630	.00	.30
80	4	.3693	.29516	.14758	-.1004	.8389	.00	.70
100	2	.3010	.00000	.00000	.3010	.3010	.30	.30
Total	20	.8563	.70113	.15678	.5281	1.1844	.00	2.43

Test of Homogeneity of Variances

Jumlah.koloni

Levene Statistic	df1	df2	Sig.
1.549	5	14	.238

ANOVA

Jumlah.koloni

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	8.723	5	1.745	39.572	.000
Within Groups	.617	14	.044		
Total	9.340	19			

Post Hoc Tests

Multiple Comparisons

Dependent Variable: jumlah.koloni

	(I) kelomp ok	(J) kelomp ok	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Tukey HSD	0	20	1.09779 [*]	.14847	.000	.6108	1.5848
		40	1.43340 [*]	.14847	.000	.9464	1.9204
		60	1.92196 [*]	.18184	.000	1.3255	2.5184
		80	1.70319 [*]	.14847	.000	1.2162	2.1902
		100	1.77144 [*]	.18184	.000	1.1750	2.3679
	20	0	-1.09779 [*]	.14847	.000	-1.5848	-.6108
		40	.33561	.14847	.272	-.1514	.8226
		60	.82417 [*]	.18184	.005	.2278	1.4206
		80	.60540 [*]	.14847	.012	.1184	1.0924
		100	.67365 [*]	.18184	.023	.0772	1.2701
	40	0	-1.43340 [*]	.14847	.000	-1.9204	-.9464
		20	-.33561	.14847	.272	-.8226	.1514
		60	.48856	.18184	.140	-.1078	1.0850
		80	.26980	.14847	.486	-.2172	.7568
		100	.33805	.18184	.463	-.2584	.9345
	60	0	-1.92196 [*]	.18184	.000	-2.5184	-1.3255
		20	-.82417 [*]	.18184	.005	-1.4206	-.2278
		40	-.48856	.18184	.140	-1.0850	.1078
		80	-.21877	.18184	.828	-.8152	.3776
		100	-.15051	.20997	.977	-.8392	.5382
80	0	-1.70319 [*]	.14847	.000	-2.1902	-1.2162	
	20	-.60540 [*]	.14847	.012	-1.0924	-.1184	
	40	-.26980	.14847	.486	-.7568	.2172	
	60	.21877	.18184	.828	-.3776	.8152	
	100	.06825	.18184	.999	-.5282	.6647	

100	0	-1.77144*	.18184	.000	-2.3679	-1.1750
	20	-.67365*	.18184	.023	-1.2701	-.0772
	40	-.33805	.18184	.463	-.9345	.2584
	60	.15051	.20997	.977	-.5382	.8392
	80	-.06825	.18184	.999	-.6647	.5282

*. The mean difference is significant at the 0.05 level.

Homogeneous Subsets

Jumlah.koloni

kelom pok	N	Subset for alpha = 0.05		
		1	2	3
Tukey HSD ^a 60	2	.1505		
100	2	.3010		
80	4	.3693		
40	4	.6391	.6391	
20	4		.9747	
0	4			2.0725
Sig.		.106	.411	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

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Nomor : 015/ LAB / VI / 2014
 Jenis bahan : Perasan jeruk nipis
 Dikirim oleh : Febrina Puspitasari Utami
 NIM : 20110662054
 Alamat : Prodi D3 Analis Kesehatan FIK UMSurabaya
 Judul : Pengaruh variasi konsentrasi perasan jeruk nipis (*Citrus aurantifolia*) terhadap pertumbuhan *Candida albicans*
 Diterima : 28 April 2014

HASIL PEMERIKSAAN

Konsentrasi	<i>Candida albicans</i> pada media Sabaroud Dektrose Agar				Jumlah (Σ)	Rata- rata (\bar{x})
	Pengulangan					
	1	2	3	4		
100%	2	0	0	2	4	1
80%	2	5	1	3	11	2,75
60%	2	0	1	0	3	0,75
40%	3	5	4	6	18	4,5
20%	8	11	9	10	38	9,5
Kontrol	269	113	121	53	556	139

Satuan : koloni

Surabaya, Mei 2014

Mengetahui,

Kepala Laboratorium



Siswanto Agung Wijaya, S.Kep.Ns

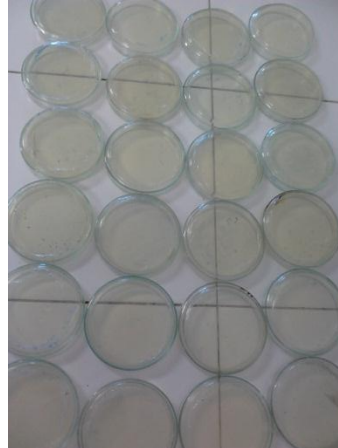
Pemeriksa



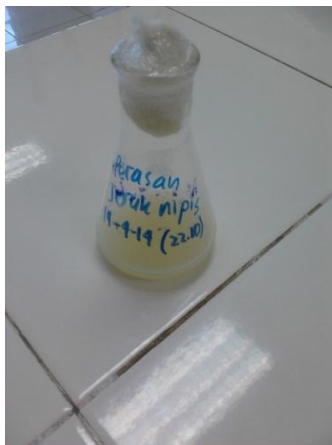
Febrina Puspitasari Utami

Lampiran 5

Pembuatan media *Sabaroud Dektrose Agar* (SDA)



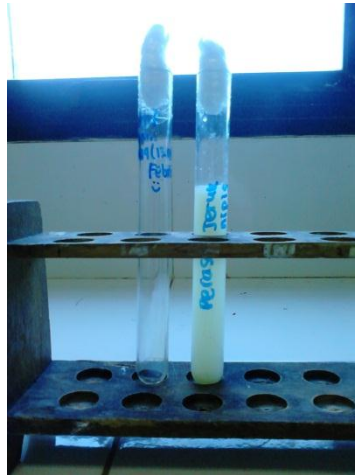
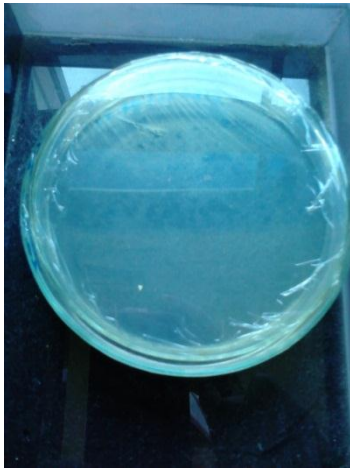
Perasan Jeruk nipis (*Citrus aurantifolia*)



Biakan murni jamur *Candida albicans*



Uji sterilitas perasan



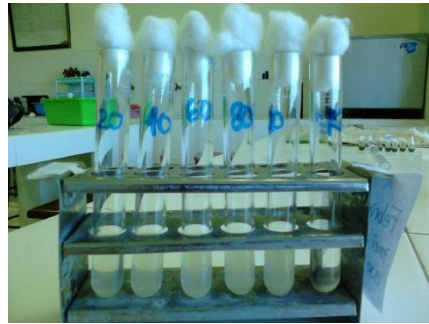
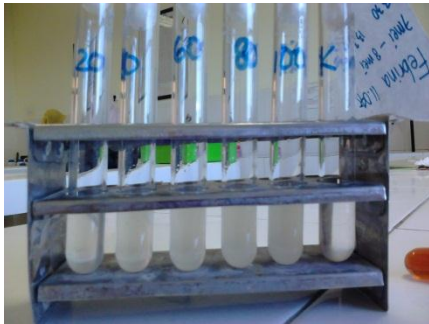
Standart Mc farland 0,5 dan suspensi jamur *Candida albicans*



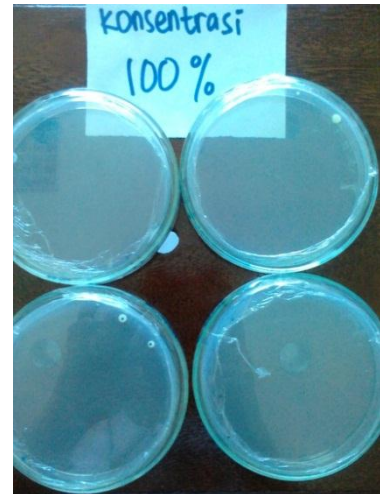
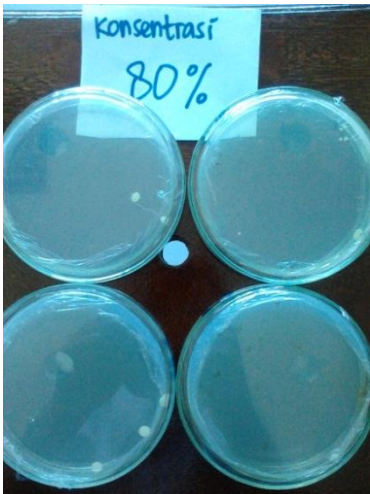
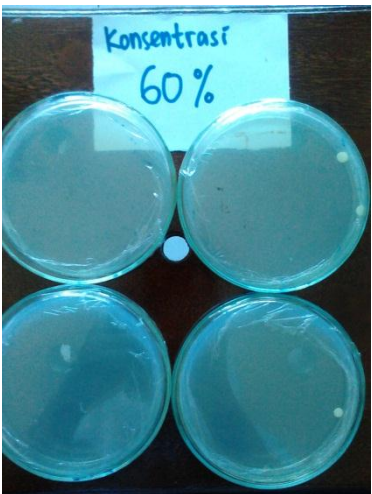
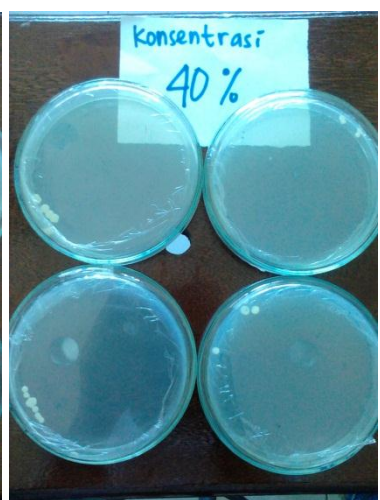
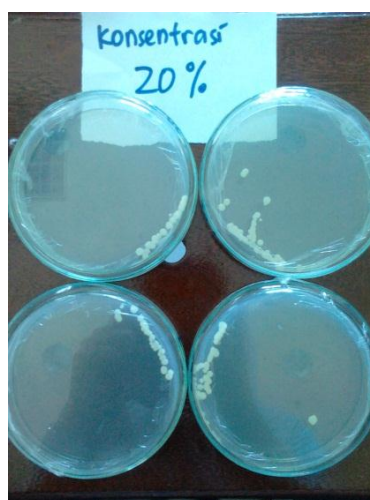
Perasan jeruk nipis yang sudah diberi perlakuan sebelum inkubasi 24 jam



Perasan jeruk nipis yang sudah diberi perlakuan setelah inkubasi 24 jam



Pertumbuhan *Candida albicans* pada media Sabaroud Dekstrose Agar



Proses penanaman pada media Sabaroud Dekstrose Agar (SDA)

