



UNIVERSITAS MUHAMMADIYAH SURABAYA
FAKULTAS ILMU KESEHATAN

Program Studi : Keperawatan S1 dan D3 - Analis Kesehatan D3 - Kebidanan D3
Jln. Sutorejo No. 59 Surabaya 60113, Telp. (031) 3811966 - 3890175 Fax. (031) 3811967

Nomor : 003/LAB/VI/2015
Jenis bahan : Akar rumput teki
Dikirim oleh : Risca Ayu Haryyati
NIM : 20120662071
Alamat : Prodi D3 Analis Kesehatan FIK UMSurabaya
Judul : Pengaruh Rebusan Akar Rumput Teki (*Cyperus Rotundus* Linn)
Terhadap Pertumbuhan *Stapylococcus aureus*
Diterima : 31 Januari 2015

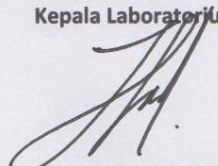
HASIL PEMERIKSAAN

| No | Kode Sampel | Jumlah <i>Stapylococcus aureus</i> dari konsentrasi rebusan akar rumput teki yang tumbuh pada media MSA | | | | | |
|-----------|-------------|---|-----|-----|-----|-----|---------|
| | | 100% | 70% | 65% | 60% | 55% | Kontrol |
| 1 | A | 0 | 0 | 0 | 95 | 115 | 125 |
| 2 | B | 0 | 0 | 0 | 89 | 106 | 134 |
| 3 | C | 0 | 0 | 0 | 93 | 102 | 124 |
| 4 | D | 0 | 0 | 0 | 70 | 115 | 155 |
| Jumlah | | 0 | 0 | 0 | 347 | 438 | 538 |
| Rata-rata | | 0 | 0 | 0 | 87 | 109 | 135 |

Surabaya, 6 Juni 2015

Mengetahui,
Kepala Laboratorium

Pemeriksa


Siswanto Agung Wijaya, S.Kep.Ns

Risca Ayu Haryyati



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ENDORSEMENT LETTER

387/PB-UMS/EL/VIII/2015

This letter is to certify that the abstract of the thesis below

Title : Effect of Teki Grass Root Decoction (*Cyperus Rotundus Linn*) Against
Staphylococcus Aureus
Student's name : Risca Ayu Haryanti
Reg. Number : 20120662071
Department : D3 Analis Kesehatan

has been endorsed by Pusat Bahasa *UMSurabaya* for further approval by the examining committee of the faculty.

Surabaya, 20 August 2015



Sulton Dedi Wijaya, S.Pd

Lampiran 2

Surat Permohonan Izin

Lampiran : 2 lembar

Perihal : Permohonan Penggunaan Laboratorium

Yth.

Kepala Urusan Laboratorium Mikrobiologi

D3 Analis Kesehatan Universitas Muhammadiyah Surabaya

Di tempat

Dengan hormat,

Sehubungan dengan pelaksanaan penelitian untuk penyusunan Karya Tulis Ilmah (KTI) 2014/2015 maka dengan ini saya yang bertanda tangan dibawah ini:

Nama : Risca Ayu Haryyanti

NIM : 20120662071

Judul KTI : Pengaruh Rebusan Akar Rumput Teki (*Cyperus rotundus Linn*) Terhadap *Staphylococcus aureus*

Mengajukan permohonan izin menggunakan Laboratorium Mikrobiologi dan peminjaman alat sebagaimana terlampir.

Demikian permohonan ini saya buat dan atas izin Bapak/ Ibu Penanggung jawab saya ucapkan terima kasih.

Surabaya, 20 Januari 2015

Dosen Pembimbing

Pemohon

Diah Ariana, ST. M.kes

Risca Ayu Haryyanti

Lampiran 3

Daftar Alat dan Reagen yang digunakan

| No. | NamaAlatdanReagen | Jumlah | Keterangan |
|-----|----------------------------------|---------|------------|
| 1 | Tabungreaksi | 30 | |
| 2 | Raktabungreaksi | 2 | |
| 3 | OseBulat | 1 | |
| 4 | Pipetukur | 2 | 1 ml |
| 5 | Gelasukur | 1 | 100 ml |
| 6 | Erlenmeyer | 3 | 250 ml |
| 7 | Beaker Glass | 2 | 250 ml |
| 8 | Termometer | 1 | |
| 9 | Petridish | 30 | |
| 10 | MSA (<i>Manitol Salt agar</i>) | 37 gr | |
| 11 | NA (<i>Nutrien Agar</i>) | 3 gr | |
| 12 | Aquades | 1000 ml | |
| 13 | Kapas | - | |
| 14 | Kasa | - | |
| 15 | GelasArloji | 1 | |
| 16 | PipetTetes | 2 | |
| 17 | BatangPengaduk | 2 | |
| 18 | KertasSaring | - | |
| 19 | Timbangan | - | |
| 20 | Incubator | - | |
| 21 | Oven | - | |
| 22 | Autoclave | - | |
| 23 | Pushball | 1 | |
| 24 | Kertas pH | - | |

Surabaya, 20 Januari 2015

Dosen Pembimbing

Pemohon

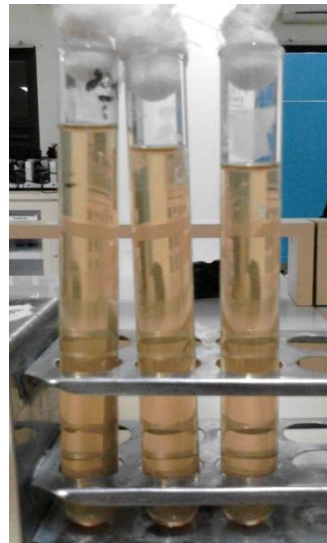
Diah Ariana, ST. M.kes

RiscaAyuHaryyanti

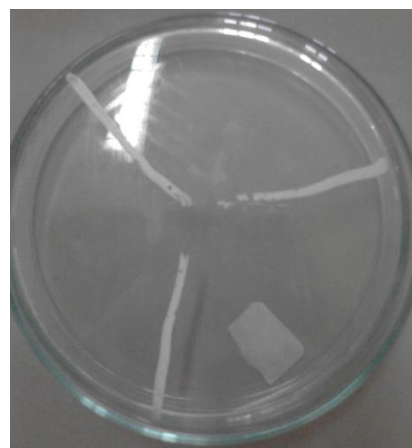
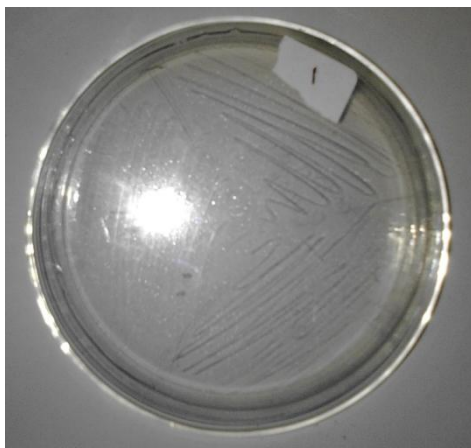
Lampiran 4



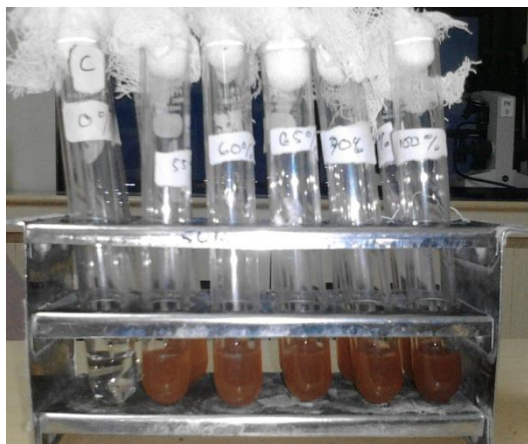
Akar Rumput Teki



Hasil Rebusan Akar Rumput Teki



Uji Sterilitas Rebusan Akar Rumput Teki



Konsentrasi Rebusan Akar Rumput Teki



Konsentrasi 100%



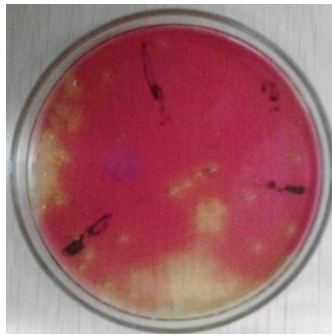
Konsentrasi 70%



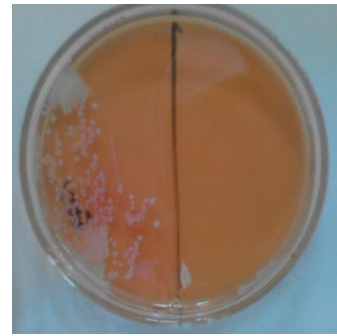
Konsentrasi 65%



Konsentrasi 60%



Konsentrasi 55%



Kontrol



Autoclave



Inkubator

Hasil Uji SPSS Tipe 17.0

One-Sample Kolmogorov-Smirnov Test

| | | koloni |
|----------------------------------|----------------|--------|
| N | | 12 |
| Normal Parameters ^{a,b} | Mean | 2.0336 |
| | Std. Deviation | .09197 |
| Most Extreme Differences | Absolute | .116 |
| | Positive | .079 |
| | Negative | -.116 |
| Kolmogorov-Smirnov Z | | .401 |
| Asymp. Sig. (2-tailed) | | .997 |

a. Test distribution is Normal.

b. Calculated from data.

Test of Homogeneity of Variances

Koloni

| Levene Statistic | df1 | df2 | Sig. |
|------------------|-----|-----|------|
| .923 | 2 | 9 | .432 |

ANOVA

Koloni

| | Sum of Squares | Df | Mean Square | F | Sig. |
|----------------|----------------|----|-------------|--------|------|
| Between Groups | .074 | 2 | .037 | 17.157 | .001 |
| Within Groups | .019 | 9 | .002 | | |
| Total | .093 | 11 | | | |

Multiple Comparisons

Koloni

Tukey HSD

| (I) | (J) | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval | |
|-----------------|-----|--------------------------|------------|------|-------------------------|-------------|
| | | | | | Lower Bound | Upper Bound |
| konsent rasi | 60% | -.10365* | .03277 | .028 | -.1952 | -.0122 |
| | 55% | -.19177* | .03277 | .001 | -.2833 | -.1003 |
| konsent rasi | 60% | .10365* | .03277 | .028 | .0122 | .1952 |
| | 0% | -.08812 | .03277 | .059 | -.1796 | .0034 |
| konsent rasi | 60% | .19177* | .03277 | .001 | .1003 | .2833 |
| | 55% | .08812 | .03277 | .059 | -.0034 | .1796 |

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

Koloni

Tukey HSD^a

| konsent rasi | N | Subset for alpha = 0.05 | |
|-----------------|---|-------------------------|--------|
| | | 1 | 2 |
| 60% | 4 | 1.9352 | |
| 55% | 4 | | 2.0388 |
| 0% | 4 | | 2.1269 |
| Sig. | | 1.000 | .059 |

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 4.000.

