# Lampiran 1. Hasil Identifikasi Tumbuhan

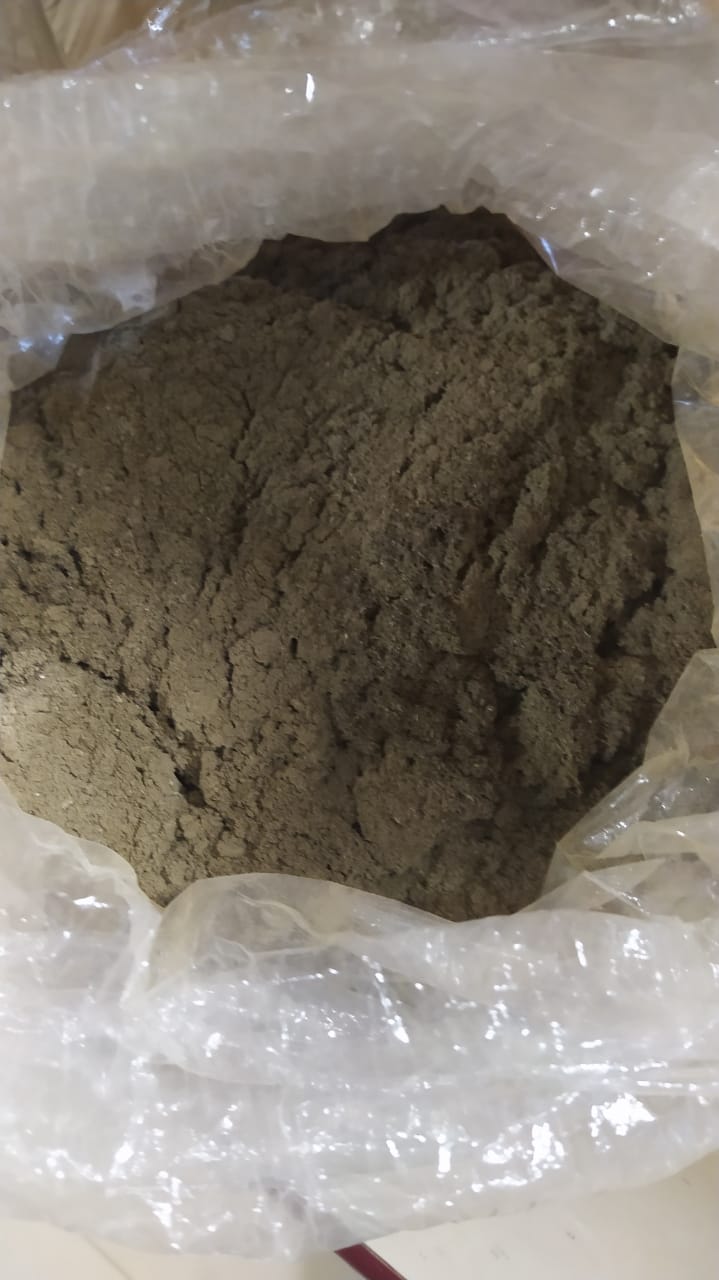


# Lampiran 2. Proses Pembuatan Ekstrak Daun Salam

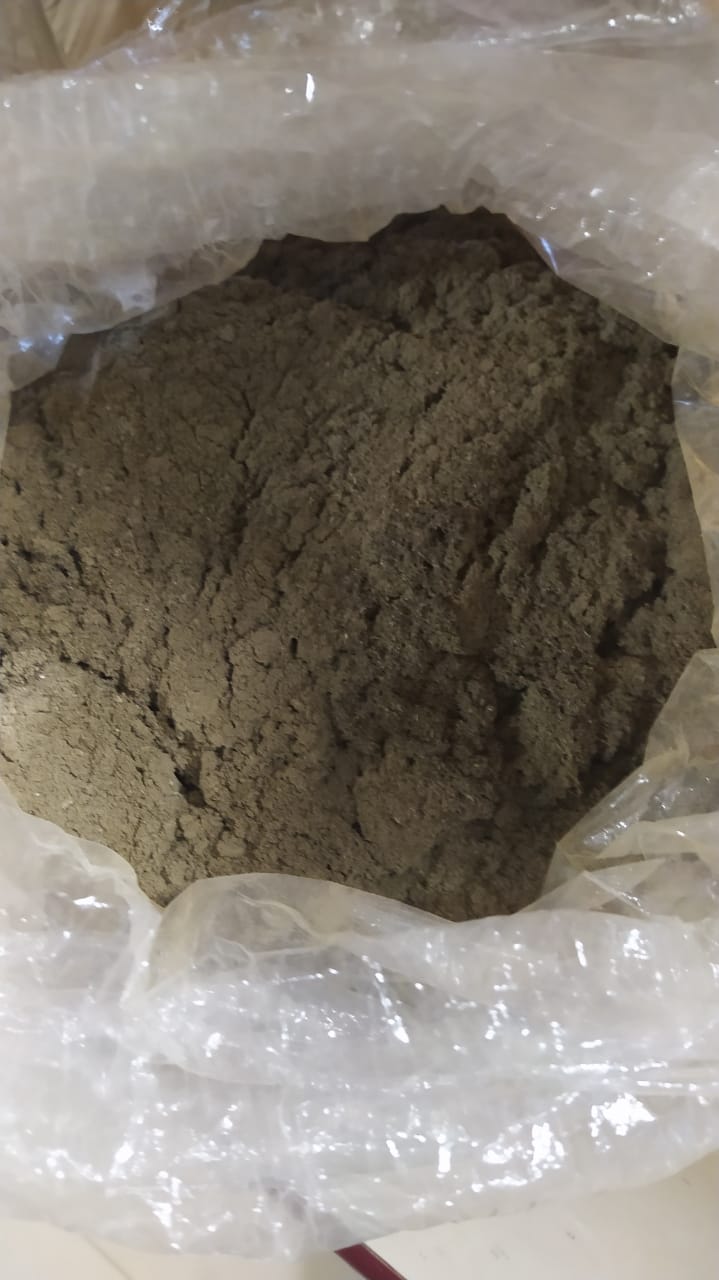


Daun segar daun salam Pengeringan daun salam

****

Serbuk simplisia daun salam  Proses maserasi serbuk daun salam

****

Proses rotary daun salam Ekstrak kental daun salam

# Lampiran 3. Hasil pengukuran daun salam dan bentuk daun salam yang dilihat secara makrokopis

****

Bentuk helai daun salam Hasil pengukuran daun salam segar

# Lampiran 4. Hasil Skrining fitokimia.



Uji alkaloid Uji alkaloid



Uji flavonoid Uji saponin

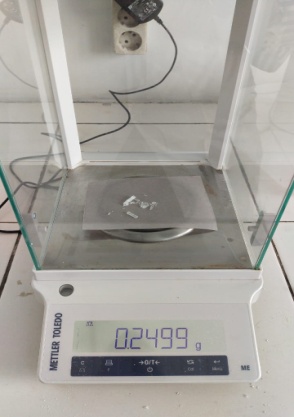


Uji Steroid/triterpenoid Uji tanin

# Lampiran 5. Penimbangan bahan dan ekstrak daun salam.



Na.CMC Natrium Benzoat

****

Menthol Ekstrak daun salam

# Lampiran 6. Hasil Formulasi Pasta Gigi Gel Ekstrak Daun Salam



Pasta gigi konsentrai 2,5 % pasta gigi konsentrasi 5 %

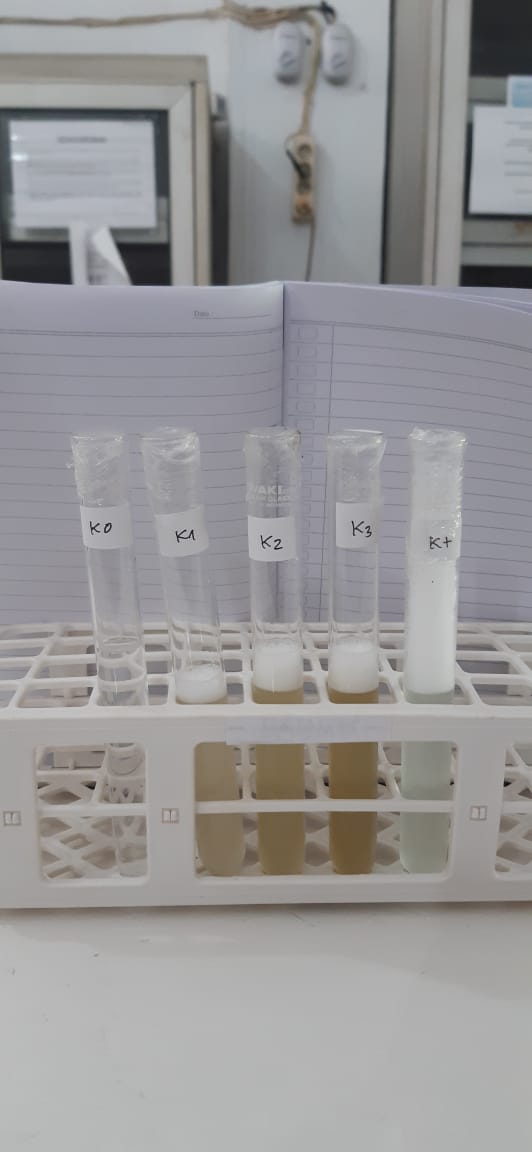


Pasta gigi konsentrasi 7% Pasta gigi Blanko (-)

# Lampiran 7. Uji pH dan uji tinggi busa pasta gigi ekstrak daun salam dan daya sebar pasta gigi



Hasil uji (PH) K (+) Hasil uji (PH) sediaan pasta gigi



Hasil uji tinggi busa sediaan dan k (+)

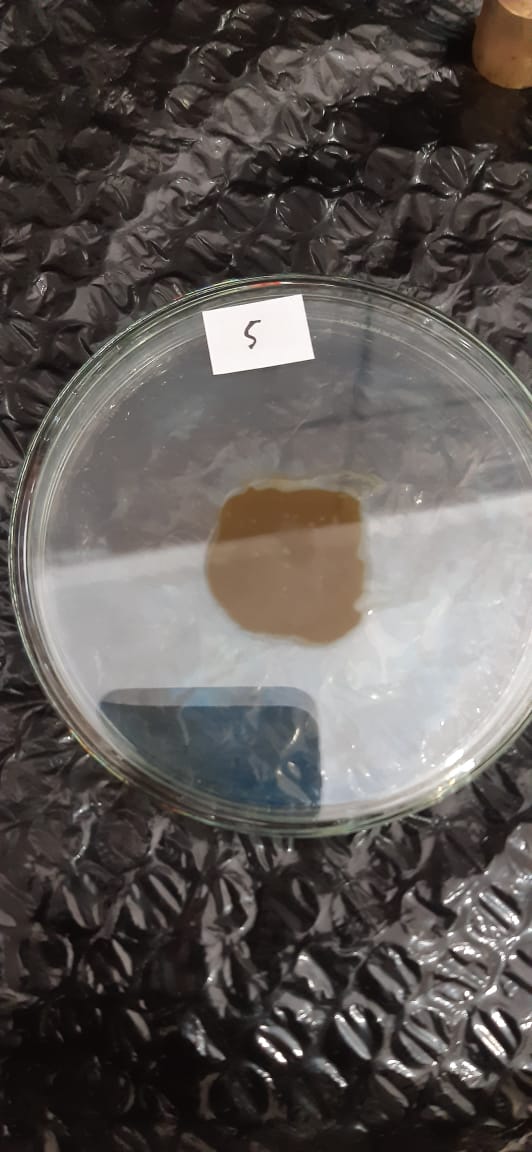
# Lampiran 8. Uji Daya Sebar Pasta Gigi Gel Ekstrak Daun Salam



Uji daya sebar Blanko sediaan pata gigi Dengan beban 250 g



Uji daya sebar konsentrasi 2,5 % Dengan beban 250 gr

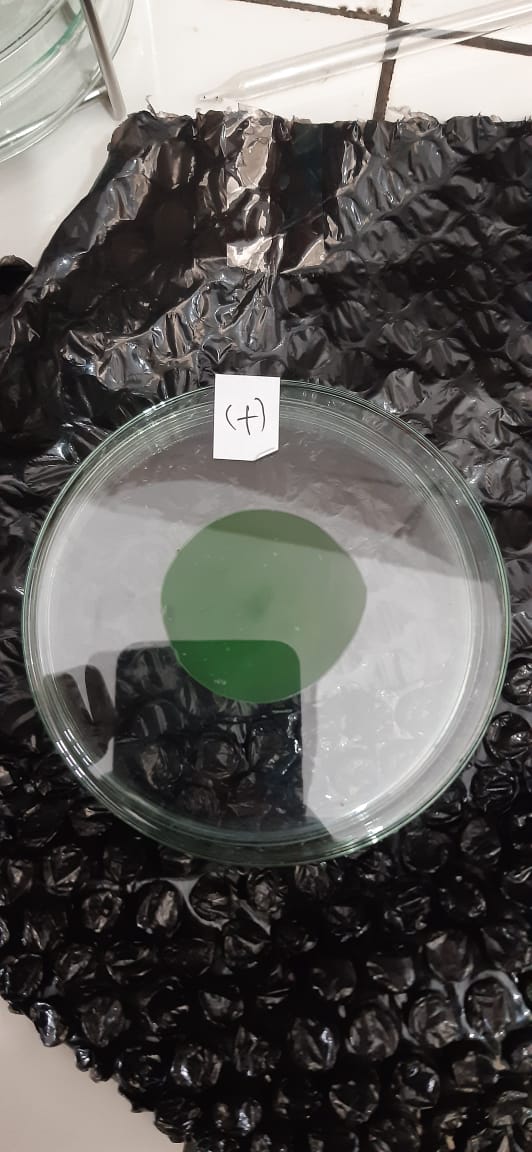


Uji daya sebar konsentrasi 5% Dengan beban 250 gr

Lampiran 8. **(Lanjutan)**

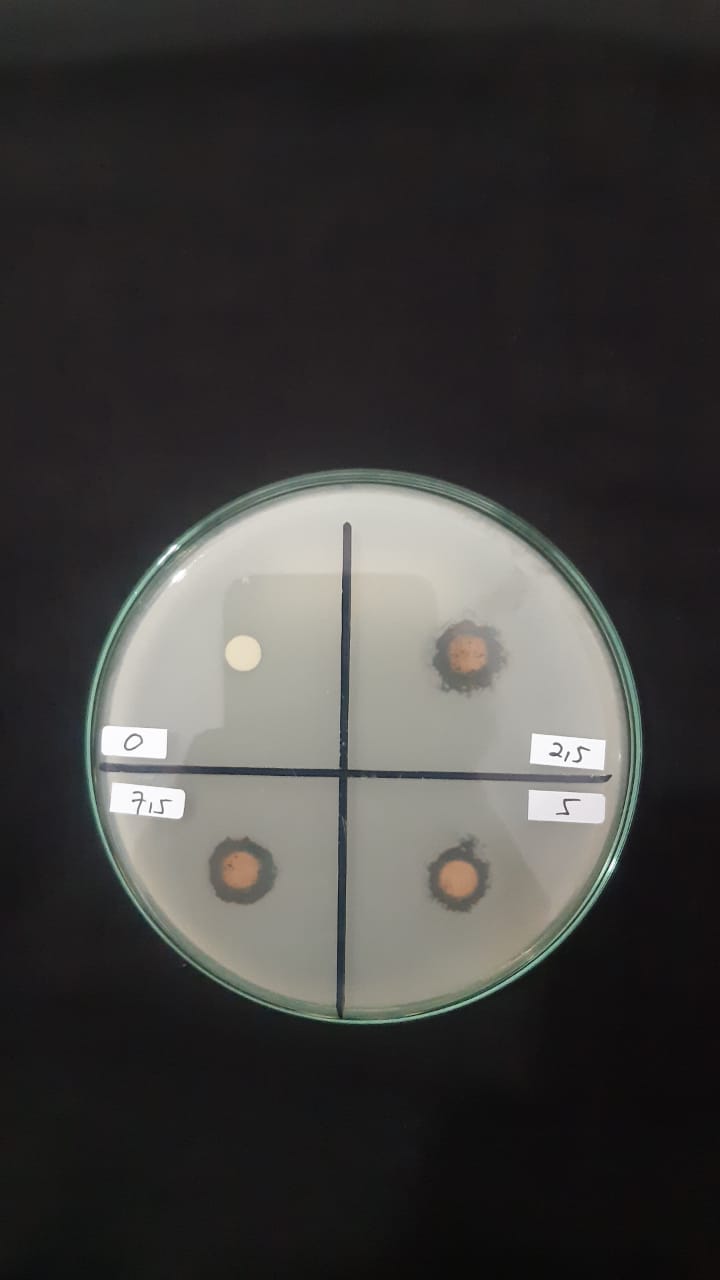
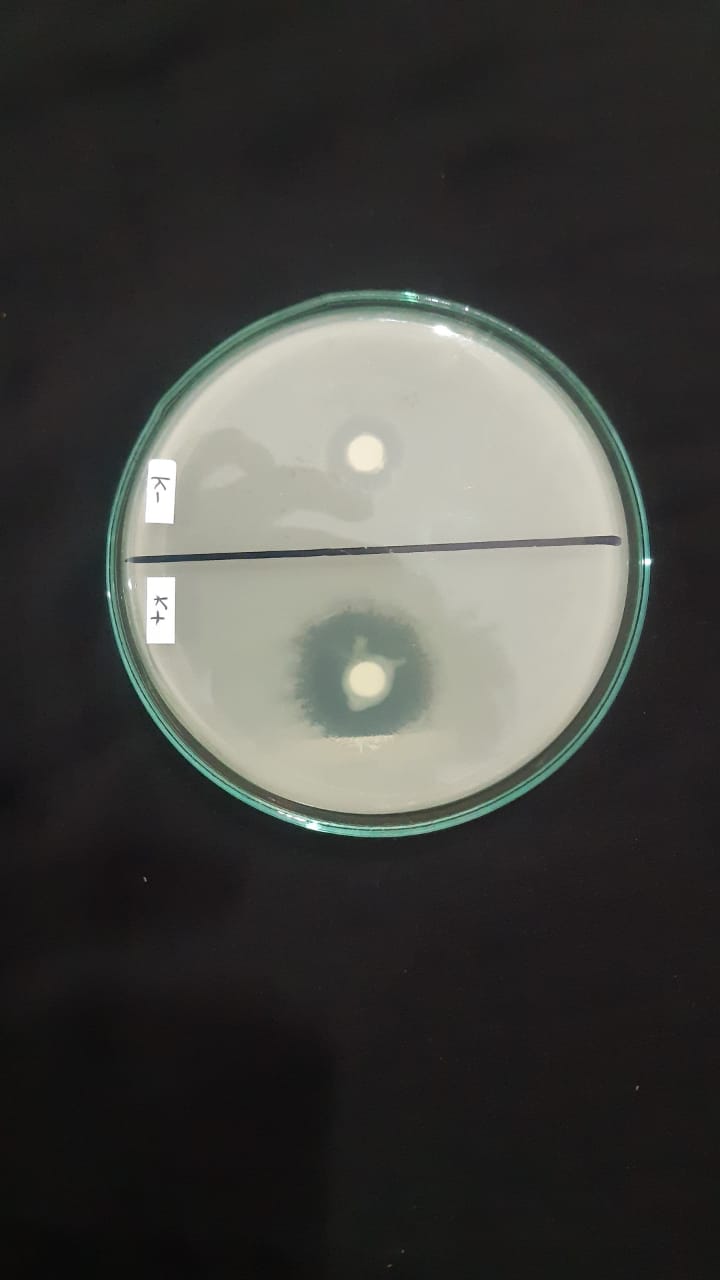


Uji daya sebar konsentrasi 7,5 % Dengan beban 250 gr

****

Uji daya sebar K (+) Dengan beban 250 gr

Lampiran 9. Hasil uji aktivitas antibakteri sediaan daun salam (*Syzygium polyanthum*) terhadap bakteri *Straptococcus mutans*



Uji aktivitas antibakteri pasta gigi gel Blanko dan K(+)

Ekstrak daun salam

# Lampiran 10. Perhitungan Karakteristik Simplisia

1. Penetapan kadar sari yang larut dalam air daun salam

|  |  |  |  |
| --- | --- | --- | --- |
| **NO** | **Berat Sempel (g)** | **Berat Cawan Kosong (g)** | **Berat Cawan Sari (g)** |
| 1.  2.  3. | 5,0753 g  5,0544 g  5,0097 g | 55,8040 g  56,2792 g  55,7976 g | 56,0750 g  56,5372 g  56,0556 g |

1. Berat simplisia = 5,0753 g

Berat sari = 0,271 g

Kadar sari =

1. Berat simplisia = 5, 0544 g

Berat sari = 0,258 g

Kadar sari =

1. Berat simplisia = 5,0097 g

Berat sari = 0,256 g

Kadar sari =

2. Penetapan kadar sari yang larut dalam etanol daun salam

|  |  |  |  |
| --- | --- | --- | --- |
| **NO** | **Berat Sempel (g)** | **Berat Cawan Kosong (g)** | **Berat Cawan Sari (g)** |
| 1.  2.  3. | 5,0831 g  5,0342 g  5,0177 g | 57,8743 g  56,6332 g  56,3923 g | 58,1053 g  56,6332 g  56,5963 g |

1. Berat simplisia = 5,0831 g

Berat sari = 0,231 g

Kadar sari =

**Lampiran 10.** (Lanjutan)

1. Berat simplisia = 5, 0342 g

Berat sari = 0,199 g

Kadar sari =

1. Berat simplisia = 5,0177 g

Berat sari = 0,204 g

Kadar sari =

3. Penetapan kadar abu total daun salam

|  |  |  |  |
| --- | --- | --- | --- |
| **NO** | **Berat Sempel (g)** | **Berat Cawan Kosong (g)** | **Berat Cawan Sari (g)** |
| 1.  2.  3. | 5,0672 g  5,0130 g  5,0045 g | 53,5329 g  61,9726 g  63,6553 g | 53,6359 g  62,071 g  63,7643 g |

1. Berat simplisia = 5,0672 g

Berat abu = 0,103 g

Kadar sari =

1. Berat simplisia = 5,0130 3

Berat abu = 0,0985 g

Kadar sari =

1. Berat simplisia = 5,0045 g

Berat abu = 0,109g

Kadar sari =

**Lampiran 10.** (Lanjutan)

4. Penetapan kadar abu total tidak larut asam daun salam

|  |  |  |
| --- | --- | --- |
| **NO** | **Berat Sempel (g)** | **Berat abu (g)** |
| 1.  2.  3. | 5,0071 g  5,0611 g  5,0036 g | 0,051 g  0,037 g  0,068 g |

1. Berat simplisia = 5,0071 g

Berat abu = 0,051 g

Kadar sari =

1. Berat simplisia = 5,0611 g

Berat abu = 0,037 g

Kadar sari =

1. Berat simplisia = 5,0036 g

Berat abu = 0,037 g

Kadar sari =

# 

# Lampiran 11. Bagan Alir Prosedur Kerja

Pengumpulan dan pengolahan sampel daun salam (*Syzygium polyanthum*)

# dikumpulkan

dicuci dan dibersihkan

# disortasi

# ditimbang

Daun salam segar

# dikeringkan

# 

Pengeringan dengan lemari pengering

Daun salam kering

dihaluskan

ditimbang

# 

Serbuk simplisia

Dimaserasi dengan etanol 96% (Maserat)

# 

Ekstrak kental

Skrining Fitokimia

Pembuatan Pasta Gigi gel dengan berbagai konsentrasi

# 

Evaluasi sediaan pasta gigi gel daun salam

Uji Aktivitas Antibakteri Pasta Gigi gel

# Lampiran 12. Cara Kerja Skematis Pembuatan Ekstrak Daun Salam

Serbuk Simplisia 1000 Gram

Masukkan dalam bejana

# 

Dimasukkan dalam bejana 2 hari dan disaring

Diuapkan diatas waterbath

Dipekatkan dengan bantuan alat rotary evaporator pada suhu 60

Maserasi kedua dituangkan dengan 25 bagian penyari etanol 96% sebanyak 2500 ml

Setelah 5 hari campuran diserkai dan ampasnya diperas

Ditutup dan dibiarkan selama 5 hari, sambal sesekali di aduk

Maserasi pertama dituangakan dengan 75 bagian cairan penyari etanol 96% sebanyak 7500 ml

Maserat I+II

Maserat II

Ampas

Maserat I

EKSTRAK KENTAL DAUN SALAM

# Lampiran 13. Cara Kerja Skematis Pembuatan Ekstrak Pasta Gigi Gel Daun Salam

Ekstrak Daun Salam

(2,5 %; 5 %; 7,5 %)

M2

Na.CMC

Ekstrak Daun Salam

**+** Aquadest panas **+** Ekstrak daun salam

**+** Etanol 96%

M1

**+** Papermint

**+** Menthol

M1+M2

+ Na. Benzoat

SPDS

2,5%; 5%; 7,5%

DIMASUKAN KEDALAM TUBE PASTA

Keterangan :

M1 = Massa I

M2 = Massa II

SPDS = Sediaan Pasta Gigi Gel Daun Salam

# Lampiran 14. Hasil Analisi Data

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Descriptives** | | | | | | | | |
| Diameter | | | | | | | | |
|  | N | Mean | Std. Deviation | Std. Error | 95% Confidence Interval for Mean | | Minimum | Maximum |
| Lower Bound | Upper Bound |
| Kontrol Negatif | 3 | ,0000 | ,00000 | ,00000 | ,0000 | ,0000 | ,00 | ,00 |
| F1 (SPDS 2,5 %) | 3 | 12,5667 | 1,58219 | ,91348 | 8,6363 | 16,4971 | 11,20 | 14,30 |
| F2 (SPDS 5 %) | 3 | 14,3000 | ,87178 | ,50332 | 12,1344 | 16,4656 | 13,30 | 14,90 |
| F3 (SPDS 7,5 %) | 3 | 16,1667 | ,35119 | ,20276 | 15,2943 | 17,0391 | 15,80 | 16,50 |
| Kontrol Positif | 3 | 17,8667 | ,35119 | ,20276 | 16,9943 | 18,7391 | 17,50 | 18,20 |
| Total | 15 | 12,1800 | 6,60467 | 1,70532 | 8,5225 | 15,8375 | ,00 | 18,20 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test of Homogeneity of Variances** | | | | | |
|  | | Levene Statistic | df1 | df2 | Sig. |
| Diameter | Based on Mean | 4,714 | 4 | 10 | ,021 |
| Based on Median | 1,349 | 4 | 10 | ,318 |
| Based on Median and with adjusted df | 1,349 | 4 | 4,013 | ,389 |
| Based on trimmed mean | 4,378 | 4 | 10 | ,027 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ANOVA** | | | | | |
| Diameter | | | | | |
|  | Sum of Squares | df | Mean Square | F | Sig. |
| Between Groups | 603,684 | 4 | 150,921 | 214,987 | ,000 |
| Within Groups | 7,020 | 10 | ,702 |  |  |
| Total | 610,704 | 14 |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Diameter** | | | | | | |
| Duncana | | | | | | |
| Konsentrasi | N | Subset for alpha = 0.05 | | | | |
| 1 | 2 | 3 | 4 | 5 |
| Kontrol Negatif | 3 | ,0000 |  |  |  |  |
| F1 (SPDS 2,5 %) | 3 |  | 12,5667 |  |  |  |
| F2 (SPDS 5 %) | 3 |  |  | 14,3000 |  |  |
| F3 (SPDS 7,5 %) | 3 |  |  |  | 16,1667 |  |
| Kontrol Positif | 3 |  |  |  |  | 17,8667 |
| Sig. |  | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 |
| Means for groups in homogeneous subsets are displayed. | | | | | | |
| a. Uses Harmonic Mean Sample Size = 3,000. | | | | | | |