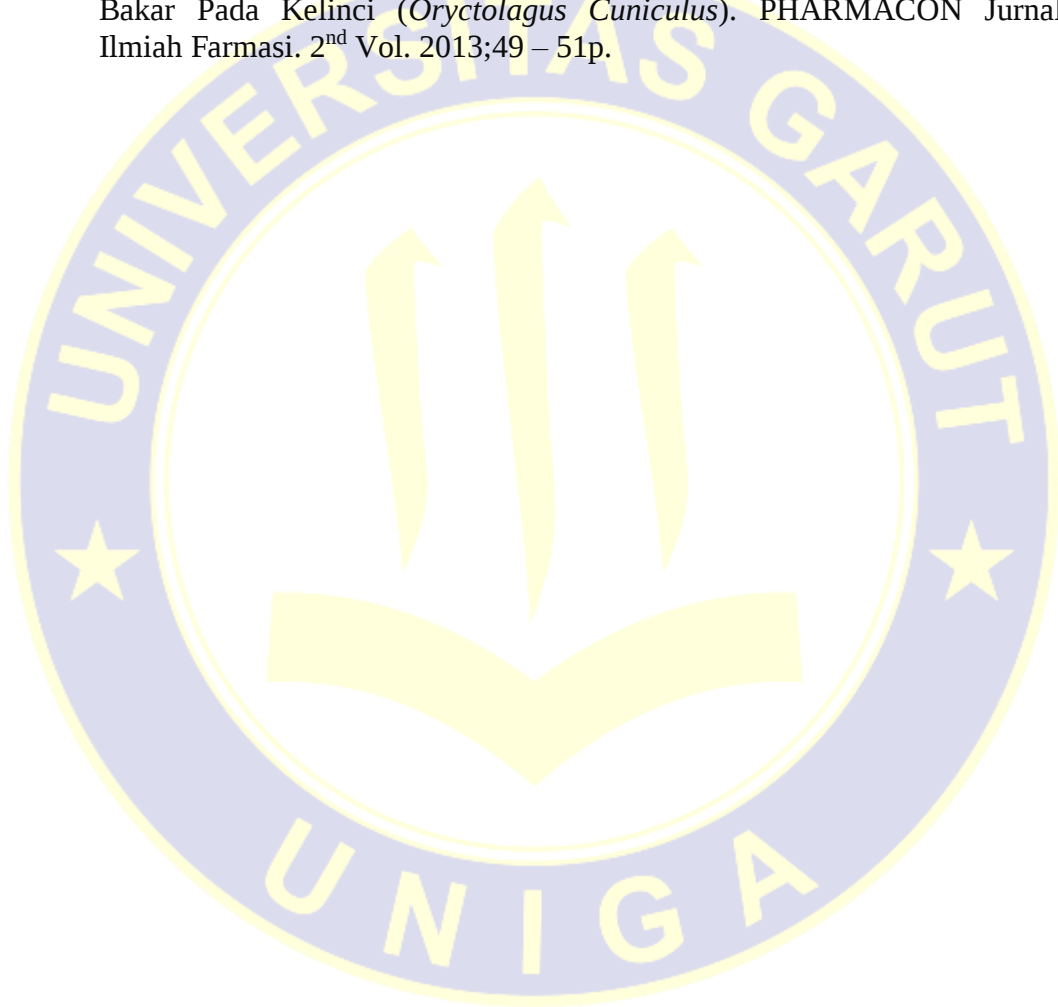


## DAFTAR PUSTAKA

1. Wasiatmadja SM. Penuntun Ilmu Kosmetik Medik. Jakarta: UI-Press; 1997:3p.
2. Dini W.I. Formulasi dan Uji Aktivitas Gel Anti Nyamuk yang Mengandung Ekstrak Etanol Bunga Kecombrang (*Etlingera elatior* (Jack) R. M. Smith Soland). Garut: Skripsi Tugas Akhir Sarjana Farmasi, Jurusan Farmasi, FMIPA UNIGA. 2017:16–18p.
3. Agoes Goeswin. Sediaan Kosmetik. Bandung: Penerbit ITB; 2015:25-30p
4. Wasiatmadja SM. Penuntun Ilmu Kosmetik Medik. Jakarta: UI-Press; 1997:11 – 15p.
5. Agoes Goeswin. Sediaan Kosmetik. Bandung: Penerbit ITB; 2015:7p.
6. Wasiatmadja SM. Penuntun Ilmu Kosmetik Medik. Jakarta: UI-Press; 1997:29-30p.
7. Wasiatmadja SM. Penuntun Ilmu Kosmetik Medik. Jakarta: UI-Press; 1997:148p.
8. Hasan H, Dwi Ayu A. D. R, Ririn. Development Formulation of Lemon Syrup (*Citrus limon* L.) in Facial Peeling Scrub With Variation Concentration of Tea-Stearate. Journal of Pharmaceutical and Medicinal Sciences. 2<sup>nd</sup> Vol. 2017;64p
9. Dini W.I. Formulasi dan Uji Aktivitas Gel Anti Nyamuk yang Mengandung Ekstrak Etanol Bunga Kecombrang (*Etlingera elatior* (Jack) R. M. Smith Soland). Garut: Skripsi Tugas Akhir Sarjana Farmasi, Jurusan Farmasi, FMIPA UNIGA. 2017:12-14p.
10. Rahardjo Pudji. Berkebun Kopi. Jakarta: Penebar Swadaya; 2017:5 – 6p.
11. Health Secret. Khasiat Bombastis Kopi. Jakarta: PT Elex Media Komputindo; 2012: 2p.

12. Kementerian Kesehatan Republik Indonesia. *Materia Medika Indonesia* Jilid 1. Jakarta: Badan POM; 1977: 130 – 135p.
13. Djamil R, Anelia T. Penapisan Fitokimia, Uji BSLT, dan Uji Antioksidan Ekstrak Metanol beberapa Spesies Papilionaceae, *Jurnal Ilmu Kefarmasian Indonesia*, 7<sup>th</sup> Vol. 2009;66 – 67p.
14. Mappa T, Jaya E.H, Kojong N. Formulasi Gel Ekstrak Daun Sasaladahan (*Peperomia pellucida* (L) H. B. K) dan Uji Efektivitasnya Terhadap Luka Bakar Pada Kelinci (*Oryctolagus Cuniculus*). *PHARMACON Jurnal Ilmiah Farmasi*. 2<sup>nd</sup> Vol. 2013;49 – 51p.



## LAMPIRAN 1

### TANAMAN KOPI ARABIKA (*Coffea arabica* L.) JAVA PREANGER



**Gambar V.1** Tanaman kopi arabika (*Coffea arabica* L.) java preanger

## LAMPIRAN 2

HASIL DETERMINASI TANAMAN KOPI ARABIKA (*Coffea arabica* L.)  
JAVA PREANGER



**LEMBAGA ILMU PENGETAHUAN INDONESIA**  
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**PUSAT PENELITIAN BIOLOGI**  
(RESEARCH CENTER FOR BIOLOGY)  
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Website: www.biologiipi.go.id



Cibinong, 05 Maret 2018

Nomor : 1805/IPH.1.01/11.07/III/2018  
Lampiran :  
Perihal : Hasil Identifikasi/Determinasi Tumbuhan

Kepada Yth.  
Bpk/Ibu/Sdr(i). **Sindi Sukmawati Sofwan**  
NPM : 2404114035  
Mhs. Univ. Garut  
Fak. MIPA  
Jalan Jati 42 B Tarogong Kaler Garut  
44151

Dengan hormat,

Bersama ini kami sampaikan hasil identifikasi/determinasi tumbuhan yang Saudara kirimkan ke "Herbarium Bogoriense", Bidang Botani Pusat Penelitian Biologi-LIPI Bogor, adalah sebagai berikut :

| No. | No. Kol.      | Jenis             | Suku        |
|-----|---------------|-------------------|-------------|
| 1   | Coffee Fruits | Coffea Arabica L. | Gentianales |

Demikian, semoga berguna bagi Saudara

  
 Kepala Bidang Botani  
 Pusat Penelitian Biologi-LIPI.  
Dr. Joesul Setiyo Rahajoe  
 NIP. 196706241993032004

D:\Ident 2018\Sindi Sukmawati Sofwan.doc IS-DG

Page 1 of 1

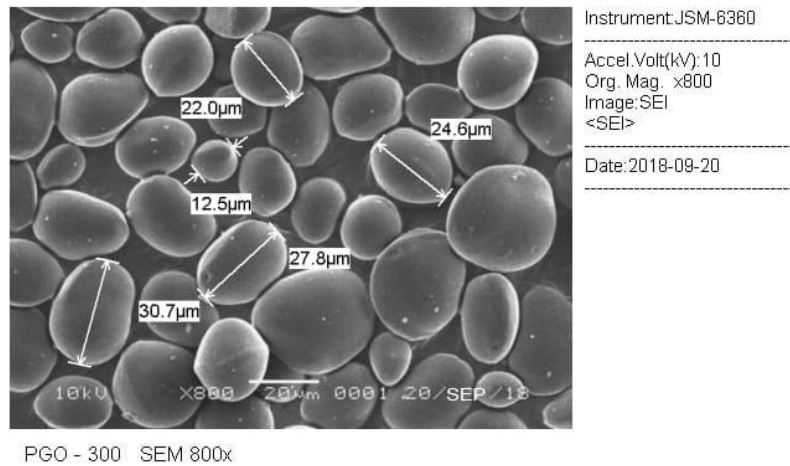
**Gambar V.2** Hasil determinasi tanaman kopi arabika (*Coffea arabica* L.)  
java preanger

**LAMPIRAN 3****KOPI ARABIKA (*Coffea arabica* L.) JAVA PREANGER**

**Gambar V.3** Biji kopi arabika (*Coffea arabica* L.) java preanger



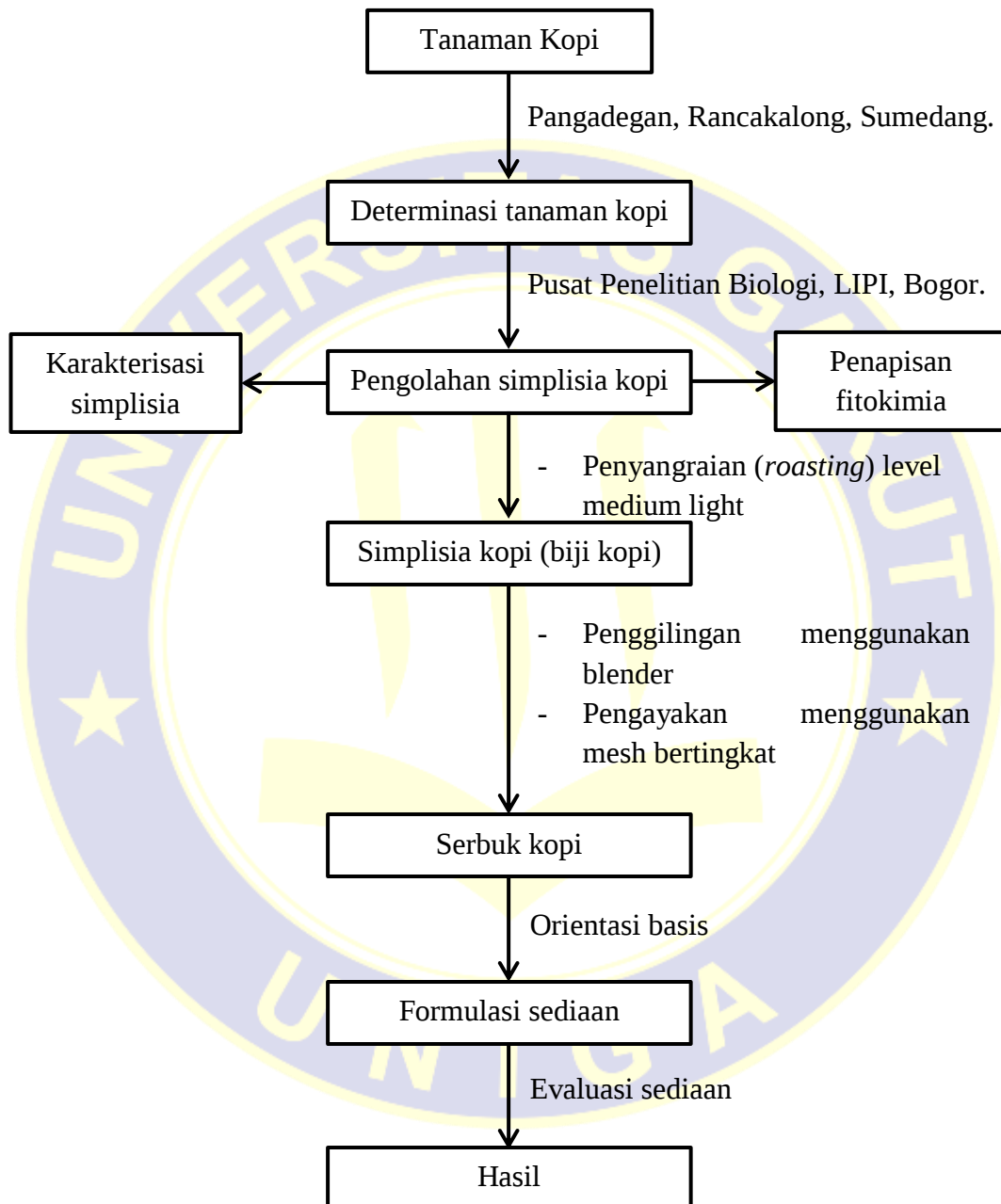
**Gambar V.4** Serbuk kopi arabika (*Coffea arabica* L.) java preanger mesh 18

**LAMPIRAN 4****SCANNING ELECTRON MICROSCOPY (SEM)**

**Gambar V.5** Hasil uji foto SEM scrub kopi arabika (*Coffea arabica* L.)  
java preanger mesh 18

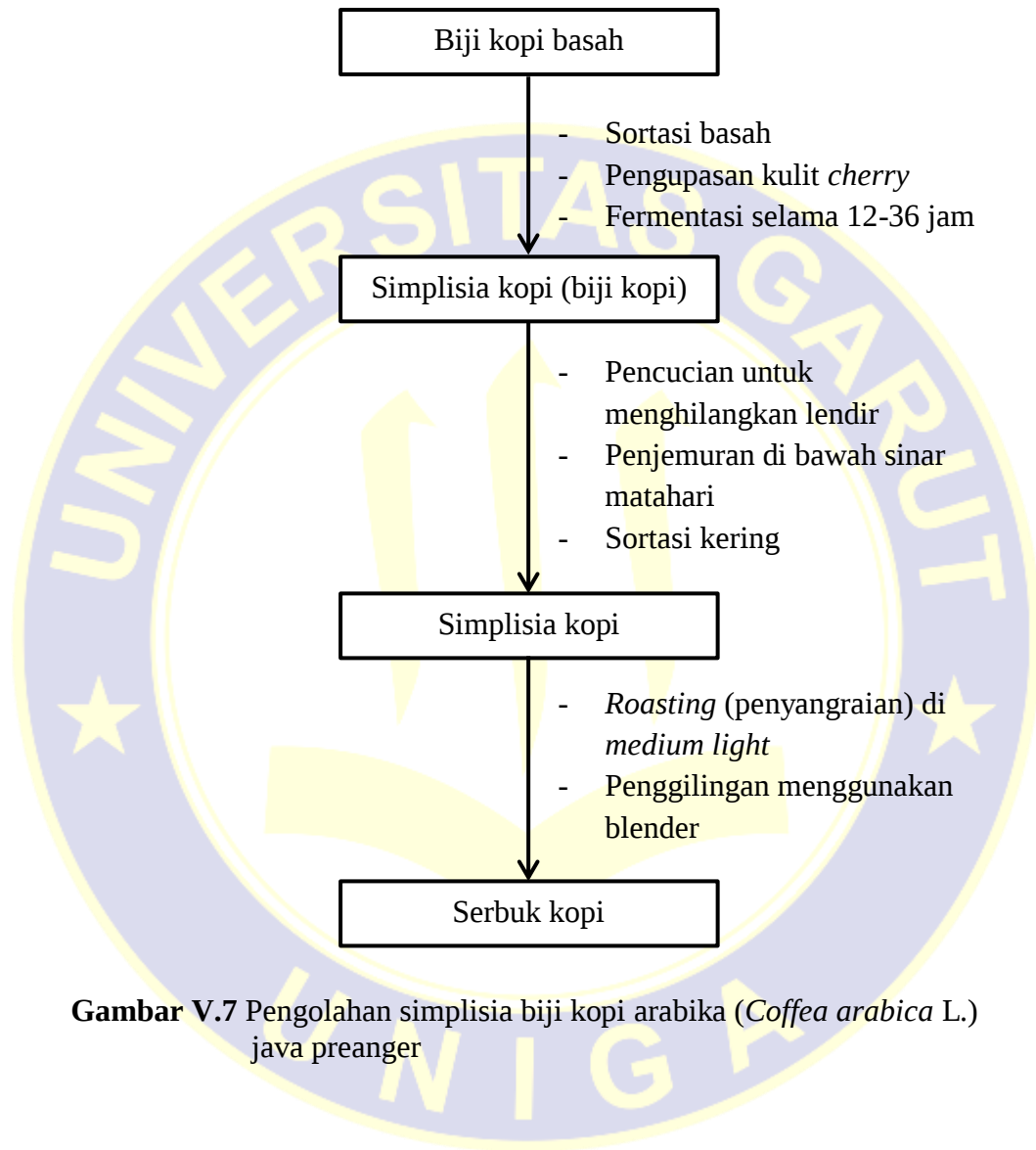
## LAMPIRAN 5

## ALUR PENELITIAN



**Gambar V.6** Alur penelitian formulasi sediaan *scrub* gel dari kopi arabika (*Coffea arabica* L.) java preanger

## LAMPIRAN 6

PENGOLAHAN SIMPLISIA BIJI KOPI ARABIKA (*Coffea arabica* L.)  
JAVA PREANGER

**Gambar V.7** Pengolahan simplisia biji kopi arabika (*Coffea arabica* L.)  
java preanger

## LAMPIRAN 7

**PEMERIKSAAN KARAKTERISTIK SIMPLISIA DAN  
PENAPISAN FITOKIMIA**

**Tabel V.1**

Hasil Pemeriksaan Karakteristik Simplisia Biji Kopi Arabika (*Coffea arabica* L.)  
Java preanger

| NO | Karakterisasi Simplisia   | Hasil (%) | SNI    | MMI    |
|----|---------------------------|-----------|--------|--------|
| 1  | Kadar air                 | 10,94     | <12,5% | -      |
| 2  | Kadar abu total           | 9,09      | -      | <4%    |
| 3  | Kadar abu larut air       | 5,46      | -      | <1%    |
| 4  | Kadar abu tidak arut asam | 3,51      | -      | -      |
| 5  | Kadar sari larut air      | 18,38     | -      | >23,5% |
| 6  | Kadar sari larut etanol   | 17,08     | -      | >13%   |
| 7  | Susut pengeringan         | 12,18     | -      | -      |

**Tabel V.2**

Hasil Penapisan Fitokimia Simplisia Biji Kopi Arabika (*Coffea arabica* L.)  
Java preanger

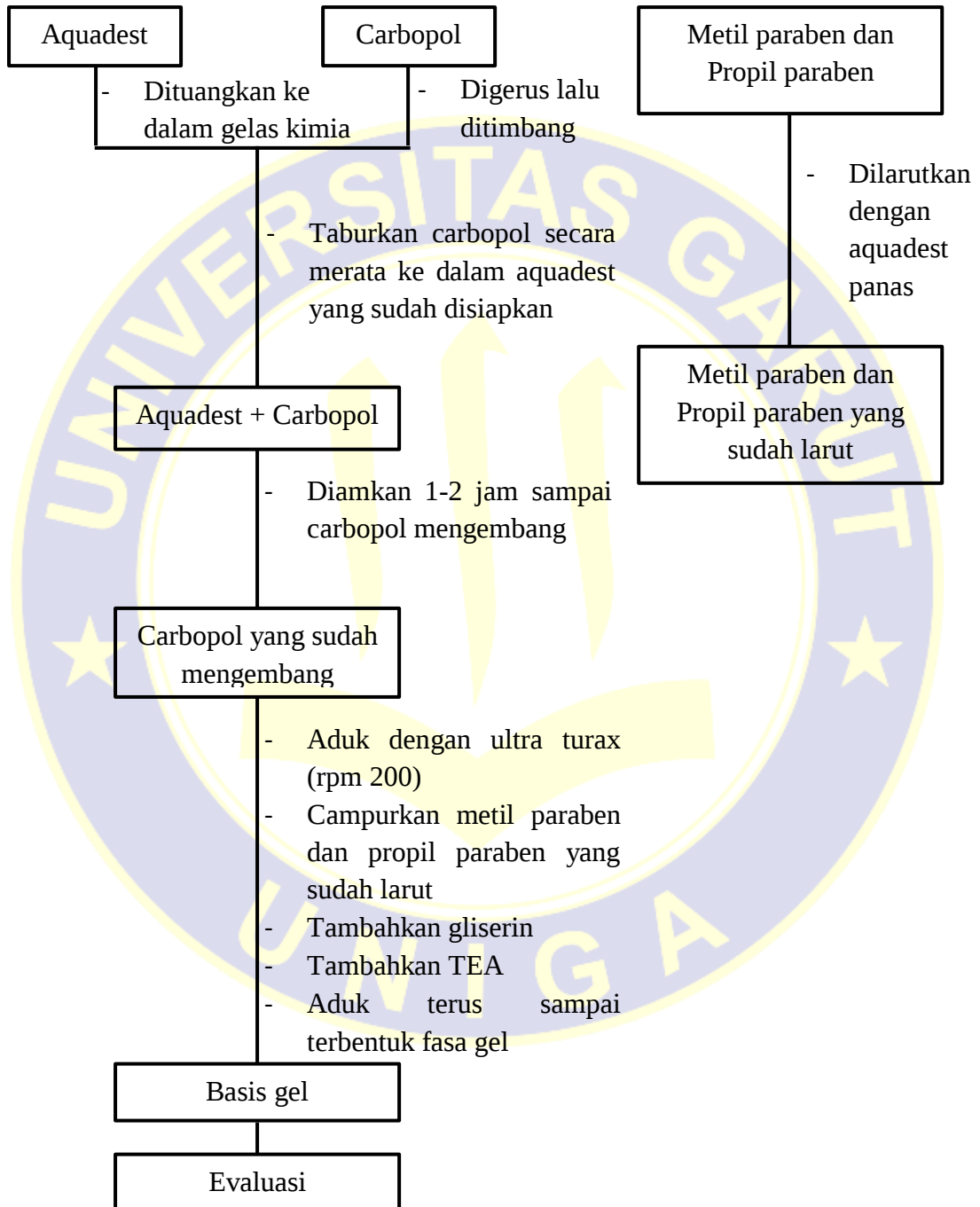
| NO | Metabolit Sekunder   | Hasil |
|----|----------------------|-------|
| 1  | Alkaloid             | +     |
| 2  | Flavonoid            | +     |
| 3  | Saponin              | -     |
| 4  | Tanin                | +     |
| 5  | Kuinon               | +     |
| 6  | Steroid/Triterpenoid | +     |

Keterangan :

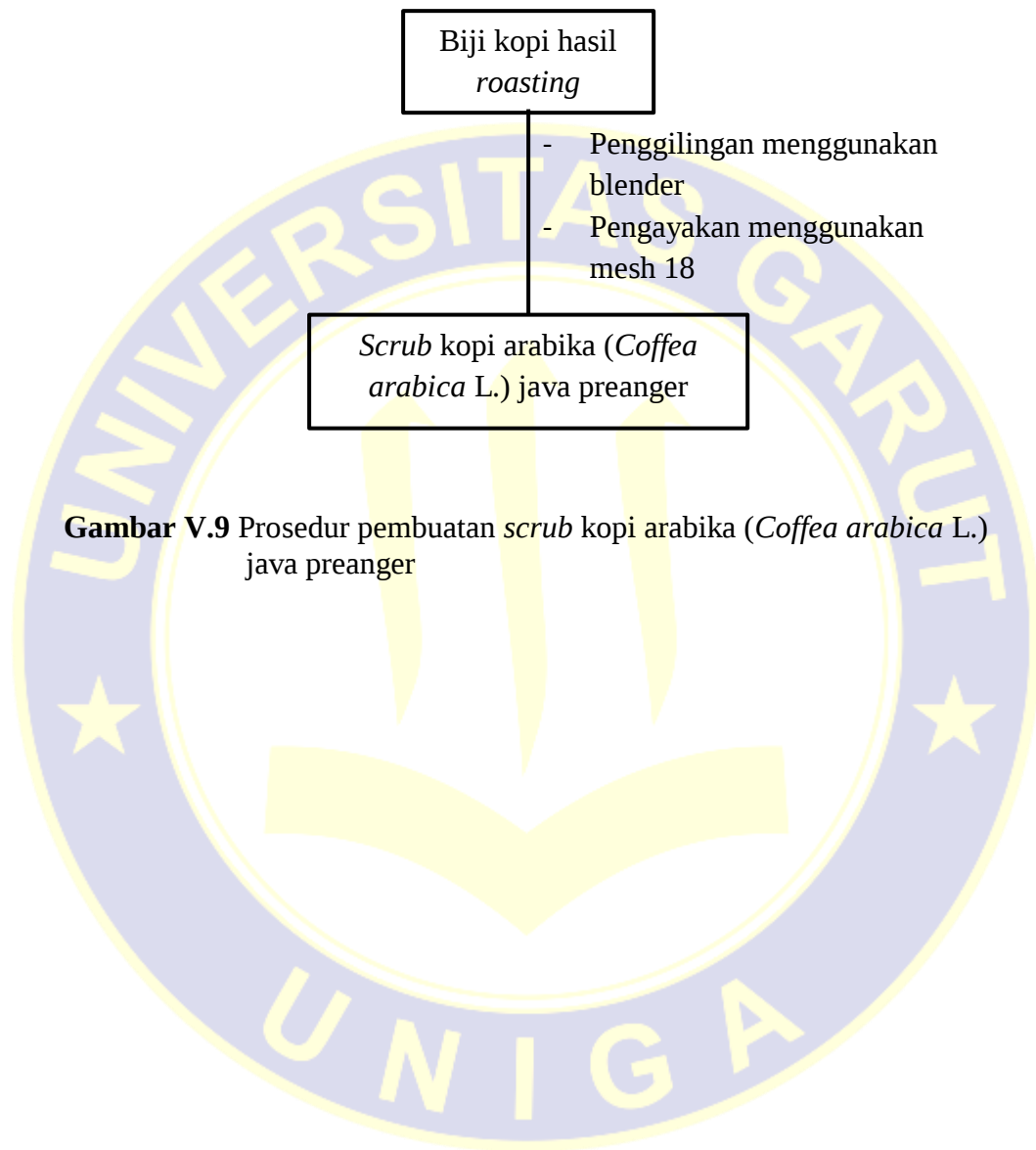
- + = terdeteksi  
- = tidak terdeteksi

## LAMPIRAN 8

## PROSEDUR PEMBUATAN BASIS GEL



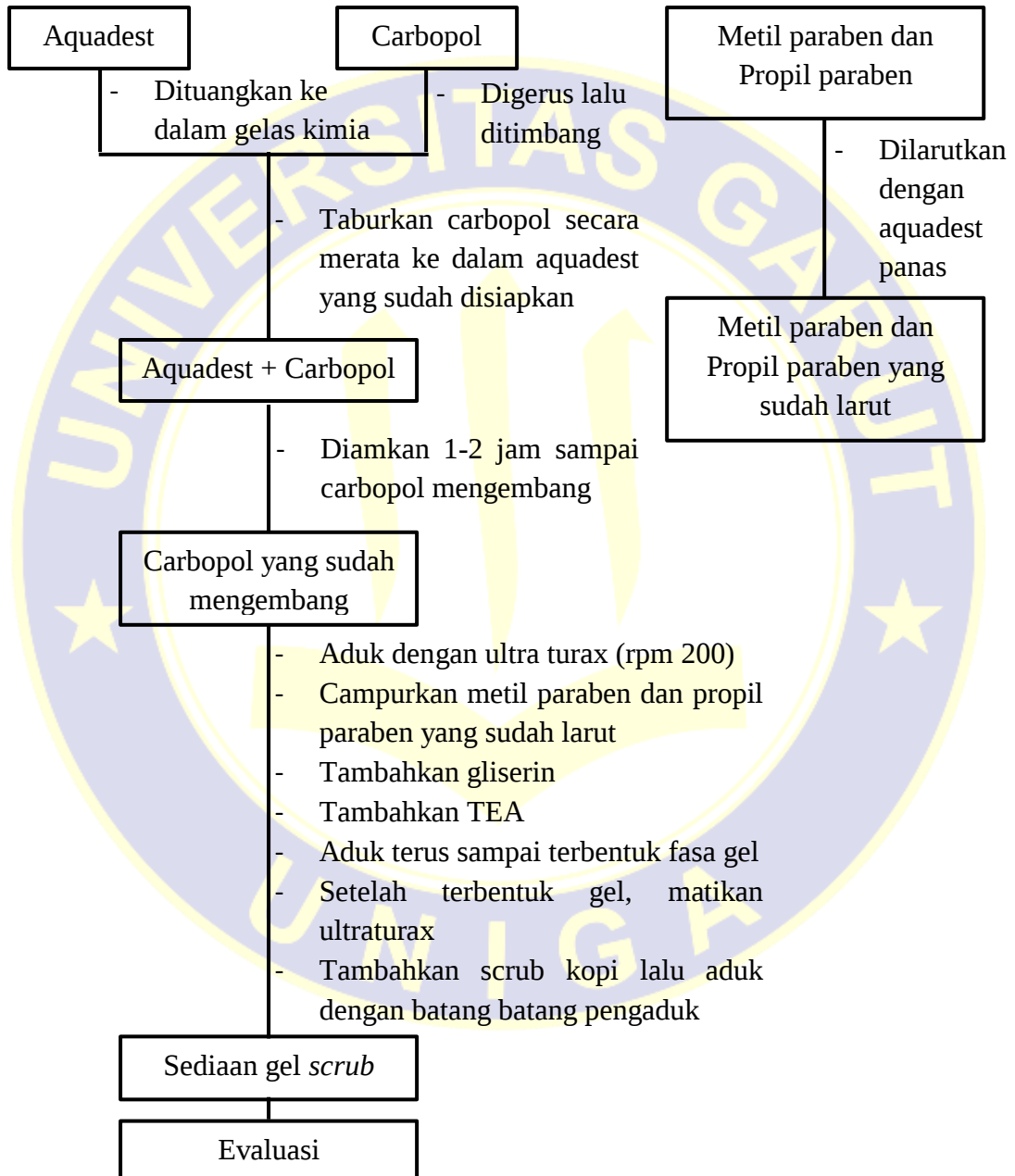
Gambar V.8 Prosedur pembuatan basis gel

**LAMPIRAN 9****PROSEDUR PEMBUATAN SCRUB KOPI ARABIKA (*Coffea arabica* L.)  
JAVA PREANGER**

**Gambar V.9** Prosedur pembuatan scrub kopi arabika (*Coffea arabica* L.) java preanger

## LAMPIRAN 10

**PROSEDUR PEMBUATAN SEDIAAN GEL SCRUB DARI  
KOPI ARABIKA (*Coffea arabica* L.) JAVA PREANGER**



**Gambar V.10** Prosedur pembuatan scrub gel kopi arabika (*Coffea arabica* L.) java preanger

**LAMPIRAN 11****BASIS GEL**

**Gambar V.11 Basis gel**

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**LAMPIRAN 12**  
**EVALUASI BASIS GEL**

**Tabel V.3**  
Hasil Evaluasi Basis Gel

| NO       | Evaluasi            | Basis |     |     |
|----------|---------------------|-------|-----|-----|
|          |                     | B1    | B2  | B3  |
| <b>1</b> | <b>Organoleptik</b> |       |     |     |
|          | a. Warna            |       |     |     |
|          | t <sub>0</sub>      | Tb    | Tb  | Tb  |
|          | t <sub>7</sub>      | Tb    | Tb  | Tb  |
|          | t <sub>14</sub>     | Tb    | Tb  | Tb  |
|          | t <sub>21</sub>     | Tb    | Tb  | Tb  |
|          | t <sub>28</sub>     | Tb    | Tb  | Tb  |
|          | b. Bau              |       |     |     |
|          | t <sub>0</sub>      | TB    | TB  | TB  |
|          | t <sub>7</sub>      | TB    | TB  | TB  |
|          | t <sub>14</sub>     | TB    | TB  | TB  |
|          | t <sub>21</sub>     | TB    | TB  | TB  |
|          | t <sub>28</sub>     | TB    | TB  | TB  |
|          | c. Tekstur          |       |     |     |
|          | t <sub>0</sub>      | E     | K   | K+  |
|          | t <sub>7</sub>      | E     | K   | K+  |
|          | t <sub>14</sub>     | E     | K+  | K+  |
|          | t <sub>21</sub>     | K     | K+  | K+  |
|          | t <sub>28</sub>     | K     | K+  | K+  |
| <b>2</b> | <b>Homogenitas</b>  |       |     |     |
|          | t <sub>0</sub>      | H     | H   | H   |
|          | t <sub>7</sub>      | H     | H   | H   |
|          | t <sub>14</sub>     | H     | H   | H   |
|          | t <sub>21</sub>     | H     | H   | H   |
|          | t <sub>28</sub>     | H     | H   | H   |
| <b>3</b> | <b>pH</b>           |       |     |     |
|          | t <sub>0</sub>      | 5,1   | 5,8 | 5,9 |
|          | t <sub>7</sub>      | 5,4   | 5,9 | 5,9 |
|          | t <sub>14</sub>     | 5,7   | 5,9 | 6,1 |
|          | t <sub>21</sub>     | 5,9   | 6,0 | 6,1 |
|          | t <sub>28</sub>     | 6,0   | 6,0 | 6,2 |

**LAMPIRAN 12**  
**(LANJUTAN)**

**Tabel V.3**  
Hasil Evaluasi Basis Gel

| NO       | Evaluasi          | Basis  |        |         |
|----------|-------------------|--------|--------|---------|
|          |                   | B1     | B2     | B3      |
| <b>4</b> | <b>Viskositas</b> |        |        |         |
|          | t <sub>0</sub>    | 45.000 | 47.500 | 127.500 |
|          | t <sub>7</sub>    | 45.000 | 57.500 | 127.500 |
|          | t <sub>14</sub>   | 50.000 | 57.500 | 135.000 |
|          | t <sub>21</sub>   | 55.000 | 62.500 | 137.500 |
|          | t <sub>28</sub>   | 57.500 | 62.500 | 145.000 |

Keterangan:

B1 = Basis sediaan gel yang mengandung *carbopol* 940 0,5%

B2 = Basis sediaan gel yang mengandung *carbopol* 940 1%

B3 = Basis sediaan gel yang mengandung *carbopol* 940 1,5%

Tb = Tidak berwarna

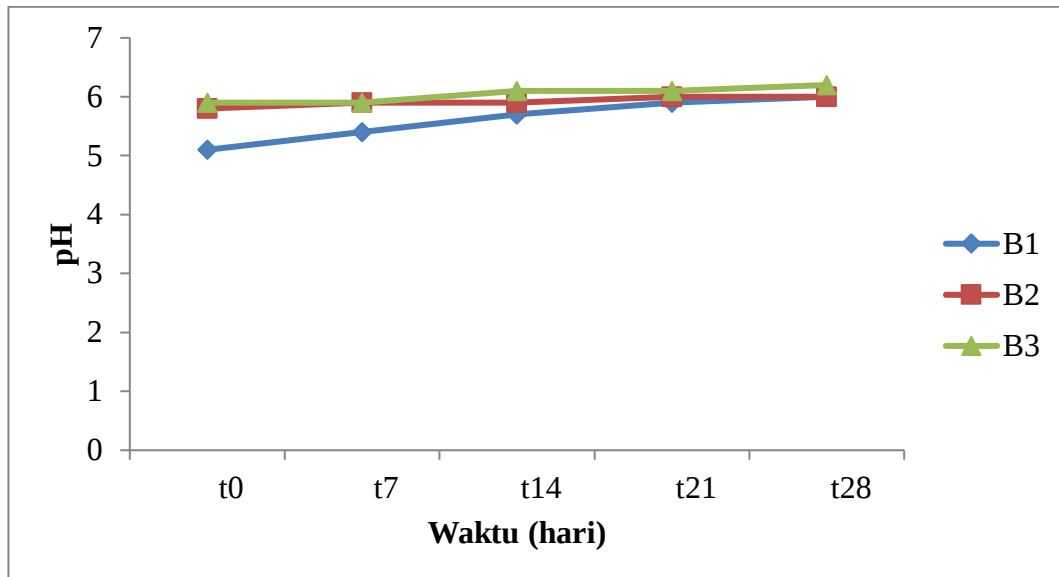
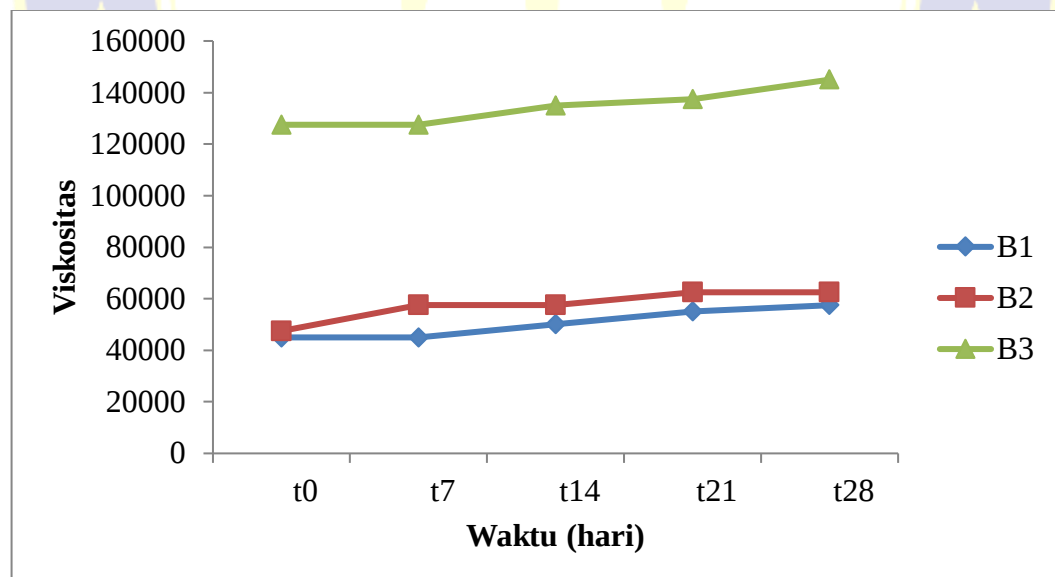
TB = Tidak Berbau

E = Encer

K = Kental

K+ = Lebih Kental

H = Homogen

**LAMPIRAN 12  
(LANJUTAN)****Gambar V.12** Grafik hubungan waktu penyimpanan dengan pH**Gambar V.13** Grafik hubungan waktu penyimpanan dengan viskositas

**LAMPIRAN 13****FORMULASI SEDIAAN GEL SCRUB DARI KOPI ARABIKA  
(*Coffea arabica* L.) JAVA PREANGER**

**Gambar V.14** Sediaan scrub gel kopi arabika (*Coffea arabica* L.) java preanger

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## LAMPIRAN 14

**EVALUASI FORMULASI SEDIAAN GEL SCRUB DARI KOPI ARABIKA  
(*Coffea arabica* L.) JAVA PREANGER**

**Tabel V.4**  
Hasil Evaluasi Formulasi Sediaan *Scrub* Gel dari Kopi Arabika  
(*Coffea arabica* L.) Java preanger

| NO       | Evaluasi            | Formula Sediaan |     |     |
|----------|---------------------|-----------------|-----|-----|
|          |                     | F1              | F2  | F3  |
| <b>1</b> | <b>Organoleptik</b> |                 |     |     |
|          | d. Warna            |                 |     |     |
|          | t <sub>0</sub>      | C               | C   | C   |
|          | t <sub>7</sub>      | C               | C   | C   |
|          | t <sub>14</sub>     | C               | C   | C   |
|          | t <sub>21</sub>     | C               | C   | C   |
|          | t <sub>28</sub>     | C               | C   | C   |
|          | e. Bau              |                 |     |     |
|          | t <sub>0</sub>      | KK              | KK  | KK  |
|          | t <sub>7</sub>      | KK              | KK  | KK  |
|          | t <sub>14</sub>     | KK              | KK  | KK  |
|          | t <sub>21</sub>     | KK              | KK  | KK  |
|          | t <sub>28</sub>     | KK              | KK  | KK  |
|          | f. Tekstur          |                 |     |     |
|          | t <sub>0</sub>      | K               | K   | K+  |
|          | t <sub>7</sub>      | K               | K+  | K+  |
|          | t <sub>14</sub>     | K               | K+  | K+  |
|          | t <sub>21</sub>     | K+              | K+  | K+  |
|          | t <sub>28</sub>     | K+              | K+  | K+  |
| <b>2</b> | <b>Homogenitas</b>  |                 |     |     |
|          | t <sub>0</sub>      | H               | H   | H   |
|          | t <sub>7</sub>      | H               | H   | H   |
|          | t <sub>14</sub>     | H               | H   | H   |
|          | t <sub>21</sub>     | H               | H   | H   |
|          | t <sub>28</sub>     | H               | H   | H   |
| <b>3</b> | <b>pH</b>           |                 |     |     |
|          | t <sub>0</sub>      | 4,6             | 5,2 | 5,7 |
|          | t <sub>7</sub>      | 4,8             | 5,2 | 5,9 |
|          | t <sub>14</sub>     | 5,3             | 5,7 | 5,9 |
|          | t <sub>21</sub>     | 5,3             | 5,7 | 6,3 |
|          | t <sub>28</sub>     | 5,5             | 5,7 | 6,3 |

**LAMPIRAN 14**  
**(LANJUTAN)**

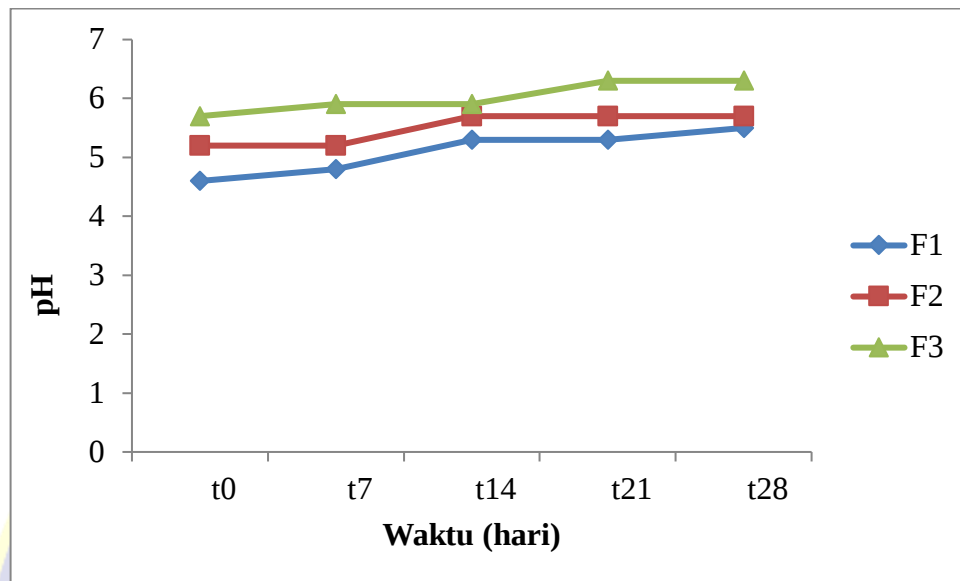
**Tabel V.4**  
Hasil Evaluasi Formulasi Sediaan *Scrub* Gel dari Kopi Arabika  
(*Coffea arabica* L.) Java Preanger

| NO       | Evaluasi                | Formula Sediaan |        |        |
|----------|-------------------------|-----------------|--------|--------|
|          |                         | F1              | F2     | F3     |
| <b>4</b> | <b>Viskositas (Cps)</b> |                 |        |        |
|          | t <sub>0</sub>          | 20.000          | 27.500 | 52.500 |
|          | t <sub>7</sub>          | 25.000          | 35.000 | 52.500 |
|          | t <sub>14</sub>         | 25.000          | 37.500 | 60.000 |
|          | t <sub>21</sub>         | 32.500          | 37.500 | 60.000 |
|          | t <sub>28</sub>         | 32.500          | 37.500 | 60.000 |
| <b>5</b> | <b>Daya Sebar (cm)</b>  |                 |        |        |
|          | t <sub>0</sub>          | 7,5             | 6,25   | 5,0    |
|          | t <sub>7</sub>          | 7,5             | 6,25   | 4,25   |
|          | t <sub>14</sub>         | 7,4             | 6,0    | 4,25   |
|          | t <sub>21</sub>         | 7,3             | 6,0    | 4,0    |
|          | t <sub>28</sub>         | 7,3             | 6,0    | 4,0    |

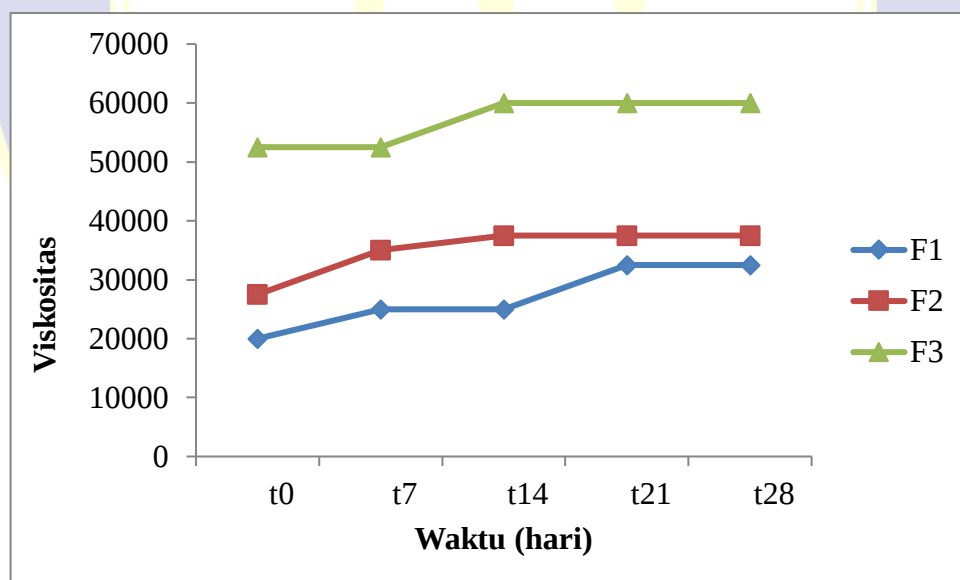
Keterangan:

- F1 = Formula sediaan *scrub* gel kopi arabika (*Coffea arabica* L.) java preanger 1%
- F2 = Formula sediaan *scrub* gel kopi arabika (*Coffea arabica* L.) java preanger 3%
- F3 = Formula sediaan *scrub* gel kopi arabika (*Coffea arabica* L.) java preanger 5%
- C = Coklat
- KK = Khas Kopi
- K = Kental
- K+ = Lebih Kental
- H = Homogen

#### LAMPIRAN 14 (LANJUTAN)

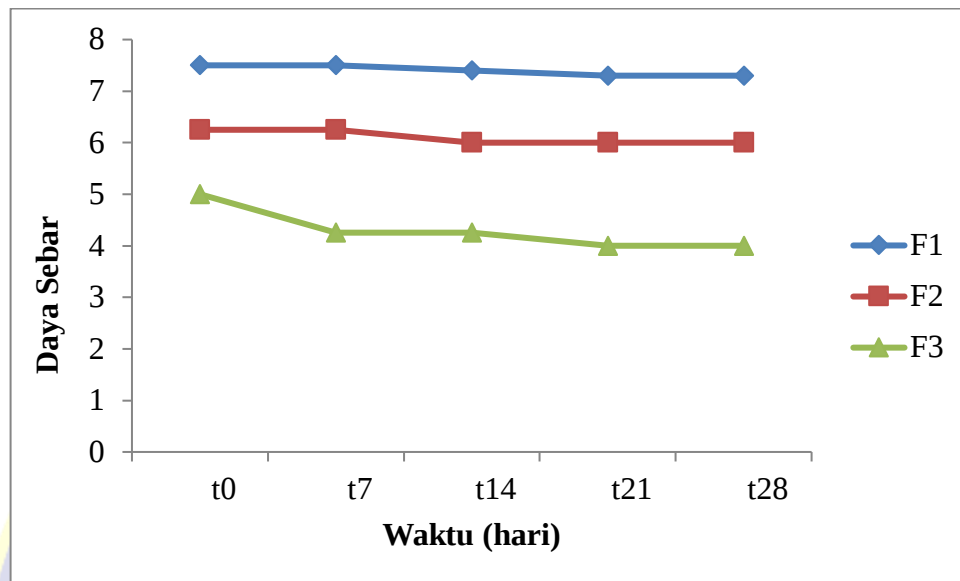


**Gambar V.15** Grafik hubungan waktu penyimpanan dengan pH sediaan gel scrub kopi arabika (*Coffea arabica* L.) java preanger



**Gambar V.16** Grafik hubungan waktu penyimpanan dengan viskositas sediaan gel scrub kopi arabika (*Coffea arabica* L.) java preanger

**LAMPIRAN 14  
(LANJUTAN)**



**Gambar V.17** Grafik hubungan waktu penyimpanan dengan daya sebar sediaan gel scrub kopi arabika (*Coffea arabica* L.) java preanger

## LAMPIRAN 15

## UJI IRITASI SEDIAAN PADA KELINCI

Tabel V.5

Hasil Pengujian Iritasi Formulasi Sediaan Gel *Scrub* dari Kopi Arabika  
(*Coffea arabica* L.) Java preanger

| No Punggung           | Reaksi  | Sampel            |    |    | Kontrol Negatif (F0) |    |    |
|-----------------------|---------|-------------------|----|----|----------------------|----|----|
|                       |         | 24                | 48 | 72 | 24                   | 48 | 72 |
| A                     | Eritema | 0                 | 0  | 0  | 0                    | 0  | 0  |
|                       | Edema   | 0                 | 0  | 0  | 0                    | 0  | 0  |
| B                     | Eritema | 0                 | 0  | 0  | 0                    | 0  | 0  |
|                       | Edema   | 0                 | 0  | 0  | 0                    | 0  | 0  |
| C                     | Eritema | 0                 | 0  | 0  | 0                    | 0  | 0  |
|                       | Edema   | 0                 | 0  | 0  | 0                    | 0  | 0  |
| Indeks Iritasi Primer |         | 0,0               |    |    |                      |    |    |
| Kesimpulan            |         | Tidak Mengiritasi |    |    |                      |    |    |

## Keterangan:

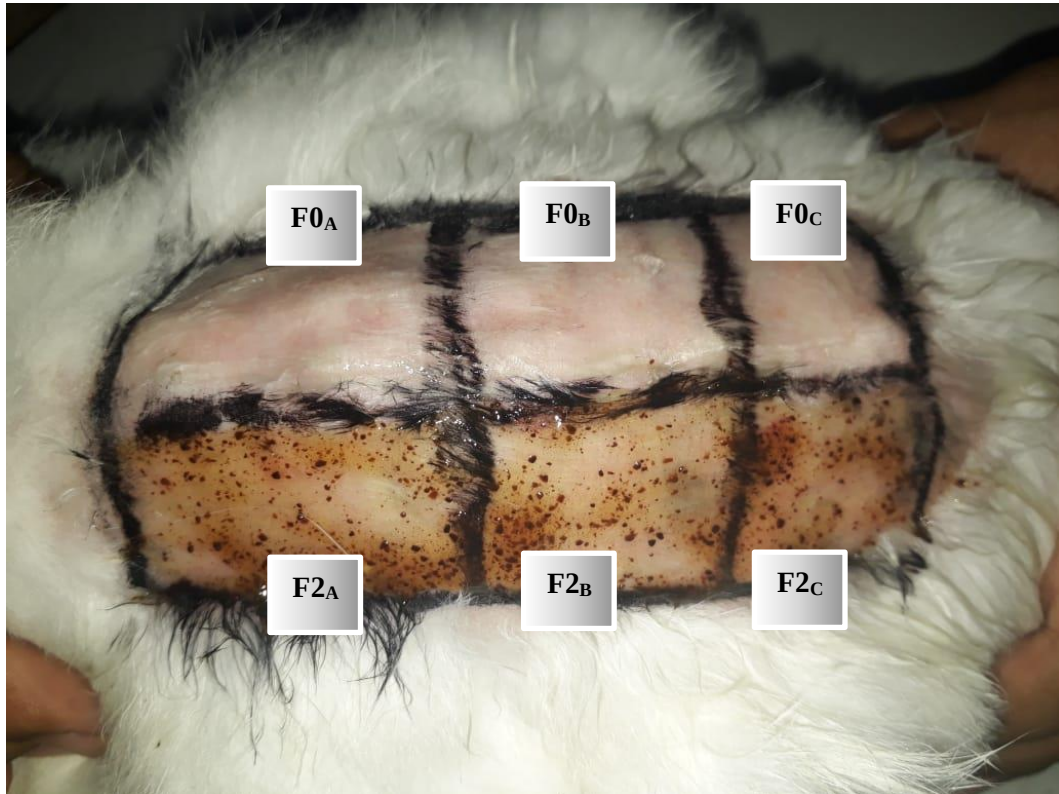
Skor derajat eritema dan edema:

- 0 = Tidak ada
- 1 = Sangat Ringan
- 2 = Ringan
- 3 = Sedang
- 4 = Berat

Skor derajat iritasi:

- 0,0 = Tidak mengiritasi
- 0,1-0,4 = Sangat sedikit mengiritasi
- 0,41-1,9 = Sedikit iritasi
- 2,0-4,9 = Iritasi Sedang
- 5,0-8,0 = Iritasi Berat

**LAMPIRAN 15  
(LANJUTAN)**



**Gambar V.18** Uji iritasi sediaan gel *scrub* kopi arabika (*Coffea arabica* L.) java preanger

Keterangan :

F0 = basis yang terbaik dengan konsentrasi carbopol 1%

F2 = sediaan gel *scrub* kopi arabika (*Coffea arabica* L.) java preanger 3%

A, B, C = kotak untuk pengolesan kontrol negatif (F0) dan untuk sampel (F2)

**LAMPIRAN 16**

**UJI KEAMANAN SEDIAAN**

**Tabel V.6**  
**Hasil Pengujian Keamanan Formulasi Sediaan Gel *Scrub* Kopi Arabika (*Coffea arabica* L.) Java Preanger pada Manusia**

| Panelis               | Hari ke              |             |                      |             |                      |             |
|-----------------------|----------------------|-------------|----------------------|-------------|----------------------|-------------|
|                       | 1                    |             | 2                    |             | 3                    |             |
|                       | Kontrol Negatif (F0) | Sampel (F2) | Kontrol Negatif (F0) | Sampel (F2) | Kontrol Negatif (F0) | Sampel (F2) |
| 1                     | 0                    | 0           | 0                    | 0           | 0                    | 0           |
| 2                     | 0                    | 0           | 0                    | 0           | 0                    | 0           |
| 3                     | 0                    | 0           | 0                    | 0           | 0                    | 0           |
| 4                     | 0                    | 0           | 0                    | 0           | 0                    | 0           |
| 5                     | 0                    | 0           | 0                    | 0           | 0                    | 0           |
| 6                     | 0                    | 0           | 0                    | 0           | 0                    | 0           |
| 7                     | 0                    | 0           | 0                    | 0           | 0                    | 0           |
| 8                     | 0                    | 0           | 0                    | 0           | 0                    | 0           |
| 9                     | 0                    | 0           | 0                    | 0           | 0                    | 0           |
| 10                    | 0                    | 0           | 0                    | 0           | 0                    | 0           |
| 11                    | 0                    | 0           | 0                    | 0           | 0                    | 0           |
| 12                    | 0                    | 0           | 0                    | 0           | 0                    | 0           |
| 13                    | 0                    | 0           | 0                    | 0           | 0                    | 0           |
| 14                    | 0                    | 0           | 0                    | 0           | 0                    | 0           |
| 15                    | 0                    | 0           | 0                    | 0           | 0                    | 0           |
| 16                    | 0                    | 0           | 0                    | 0           | 0                    | 0           |
| 17                    | 0                    | 0           | 0                    | 0           | 0                    | 0           |
| 18                    | 0                    | 0           | 0                    | 0           | 0                    | 0           |
| 19                    | 0                    | 0           | 0                    | 0           | 0                    | 0           |
| 20                    | 0                    | 0           | 0                    | 0           | 0                    | 0           |
| Indeks Iritasi Primer | 0,0                  |             |                      |             |                      |             |
| Kesimpulan            | Tidak Mengiritasi    |             |                      |             |                      |             |

Keterangan :

Skor derajat iritasi :

- 0 = Tidak ada
- 1 = Sangat Ringan
- 2 = Ringan
- 3 = Sedang
- 4 = Berat

## LAMPIRAN 17

## UJI KESUKAAN

Tabel V.7

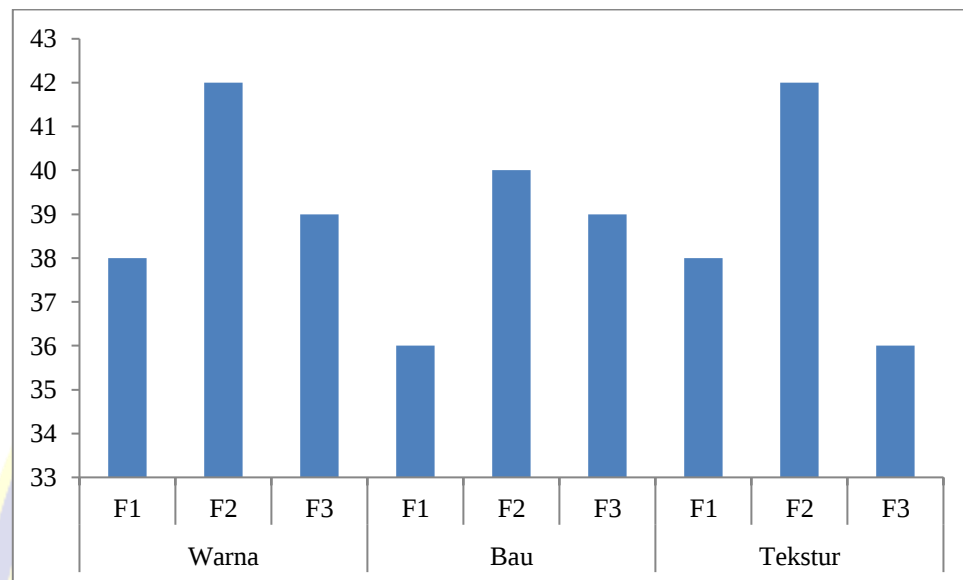
Hasil Pengujian Kesukaan terhadap Formulasi Sediaan Gel *Scrub* dari Kopi Arabika (*Coffea arabica* L.) Java Preanger

| No. Panelis | Parameter Pengujian |    |    |     |    |    |         |    |    |
|-------------|---------------------|----|----|-----|----|----|---------|----|----|
|             | Warna               |    |    | Bau |    |    | Tekstur |    |    |
|             | F1                  | F2 | F3 | F1  | F2 | F3 | F1      | F2 | F3 |
| 1           | S                   | S  | S  | S   | S  | S  | S       | S  | S  |
| 2           | S                   | S  | S  | S   | S  | S  | S       | S  | S  |
| 3           | S                   | S  | S  | S   | S  | S  | S       | S  | S  |
| 4           | S                   | S  | S  | S   | S  | S  | S       | S  | S  |
| 5           | S                   | S  | S  | S   | S  | S  | S       | S  | S  |
| 6           | S                   | S  | S  | S   | S  | S  | S       | S  | S  |
| 7           | S                   | S  | S  | S   | S  | S  | S       | S  | S  |
| 8           | S                   | S  | S  | S   | S  | S  | S       | S  | TS |
| 9           | S                   | S  | S  | TS  | TS | TS | S       | S  | S  |
| 10          | S                   | S  | TS | S   | S  | S  | TS      | S  | S  |
| 11          | S                   | S  | S  | S   | S  | S  | S       | S  | TS |
| 12          | S                   | S  | TS | TS  | S  | S  | S       | S  | TS |
| 13          | TS                  | S  | S  | S   | S  | S  | S       | S  | S  |
| 14          | TS                  | S  | S  | TS  | S  | S  | TS      | S  | S  |
| 15          | S                   | S  | TS | S   | TS | TS | S       | S  | TS |
| 16          | S                   | S  | S  | S   | S  | TS | S       | S  | S  |
| 17          | TS                  | S  | S  | TS  | S  | S  | TS      | S  | S  |
| 18          | TS                  | S  | S  | TS  | S  | S  | S       | S  | TS |
| 19          | TS                  | S  | S  | TS  | S  | S  | TS      | S  | S  |
| 20          | S                   | S  | S  | S   | S  | S  | S       | S  | TS |

Keterangan :

- F1 = Formula sediaan *scrub* gel kopi arabika (*Coffea arabica* L.) java preanger 1%  
 F2 = Formula sediaan *scrub* gel kopi arabika (*Coffea arabica* L.) java preanger 3%  
 F3 = Formula sediaan *scrub* gel kopi arabika (*Coffea arabica* L.) java preanger 5%  
 S = Suka  
 TS = Tidak suka

**LAMPIRAN 17  
(LANJUTAN)**



**Gambar V.19** Diagram Batang Uji Kesukaan Sediaan Gel *Scrub* Kopi Arabika (*Coffea arabica* L.) Java Preanger

**LAMPIRAN 18**

**UJI EFEKTIVITAS**

**Tabel V.8**  
 Hasil Pengujian Efektivitas Sediaan Gel *Scrub* Kopi Arabika (*Coffea arabica* L.)  
 Java Preanger

| Skala Pengukuran |       |        |       |       |         |       |
|------------------|-------|--------|-------|-------|---------|-------|
| Kusam            | Kasar | Kering | Biasa | Halus | Kencang | Cerah |
| 1                | 2     | 3      | 4     | 5     | 6       | 7     |

| Panelis | Usia (tahun) | Sebelum | Sesudah |
|---------|--------------|---------|---------|
| 1       | 25           | 1, 3    | 5       |
| 2       | 21           | 1, 2    | 5, 7    |
| 3       | 40           | 1       | 7       |
| 4       | 36           | 1       | 7       |
| 5       | 40           | 1       | 7       |
| 6       | 23           | 3       | 5       |
| 7       | 38           | 2       | 5       |
| 8       | 22           | 1       | 7       |
| 9       | 27           | 3       | 5       |
| 10      | 30           | 2       | 6       |
| 11      | 35           | 3       | 5       |
| 12      | 40           | 1       | 7       |
| 13      | 27           | 2       | 5       |
| 14      | 22           | 3       | 5, 6    |
| 15      | 35           | 3       | 6       |
| 16      | 35           | 1       | 7       |
| 17      | 35           | 1       | 7       |
| 18      | 23           | 2       | 5       |
| 19      | 30           | 3       | 6       |
| 20      | 35           | 1       | 7       |

## LAMPIRAN 18 (LANJUTAN)

**Tabel V.9**

Hasil Analisis Statistika Pengujian Efektivitas Sediaan Gel *Scrub* Kopi Arabika  
(*Coffea arabica* L.) Java Preanger

### Uji Normalitas

#### One-Sample Kolmogorov-Smirnov Test

|                                  |                | Unstandardized<br>Residual |
|----------------------------------|----------------|----------------------------|
| N                                |                | 20                         |
| Normal Parameters <sup>a,b</sup> | Mean           | ,0000000                   |
|                                  | Std. Deviation | ,64008354                  |
| Most Extreme Differences         | Absolute       | ,281                       |
|                                  | Positive       | ,152                       |
|                                  | Negative       | -,281                      |
| Test Statistic                   |                | ,281                       |
| Asymp. Sig. (2-tailed)           |                | ,000 <sup>c</sup>          |

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

### Uji Paired Sample t-Test

#### Paired Samples Statistics

|                | Mean   | N  | Std. Deviation | Std. Error Mean |
|----------------|--------|----|----------------|-----------------|
| Pair 1 Sebelum | 1,8250 | 20 | ,87412         | ,19546          |
| Sesudah        | 6,0150 | 20 | ,89576         | ,20030          |

#### Paired Samples Correlations

|                          | N  | Correlation | Sig. |
|--------------------------|----|-------------|------|
| Pair 1 Sebelum & Sesudah | 20 | -,700       | ,001 |

**LAMPIRAN 18**  
**(LANJUTAN)**

**Tabel V.9**

Hasil Analisis Statistika Pengujian Efektivitas Sediaan Gel *Scrub* Kopi Arabika  
(*Coffea arabica* L.) Java Preanger

| Paired Samples Test |                                           |                   |          |
|---------------------|-------------------------------------------|-------------------|----------|
|                     |                                           | Pair 1            |          |
|                     |                                           | Sebelum - Sesudah |          |
| Paired Differences  | Mean                                      | -4,19000          |          |
|                     | Std. Deviation                            | 1,63156           |          |
|                     | Std. Error Mean                           | ,36483            |          |
|                     | 95% Confidence Interval of the Difference | Lower             | -4,95360 |
|                     |                                           | Upper             | -3,42640 |
| T                   |                                           | -11,485           |          |
| Df                  |                                           | 19                |          |
| Sig. (2-tailed)     |                                           | ,000              |          |

Keterangan :

Tentang ada atau tidaknya antara sebelum dan sesudah. Jika nilai  $<0,05$  terdapat perbedaan yang signifikan antara sebelum dan sesudah. Jika nilai  $>0,05$  tidak terdapat perbedaan yang signifikan antara sebelum dan sesudah.

**LAMPIRAN 18**  
**(LANJUTAN)**



**Gambar V.20** Hasil Pengujian Efektivitas Sediaan Gel *Scrub* Kopi Arabika (*Coffea arabica* L.) Java Preanger Sebagai Pengelupas Kulit Secara Fisik

**Keterangan**

1. = kondisi kulit sebelum pemakaian kusam
2. = kondisi kulit setelah pemakaian menjadi lebih cerah
3. = kondisi kulit sebelum pemakaian kering
4. = kondisi kulit setelah pemakaian menjadi kencang