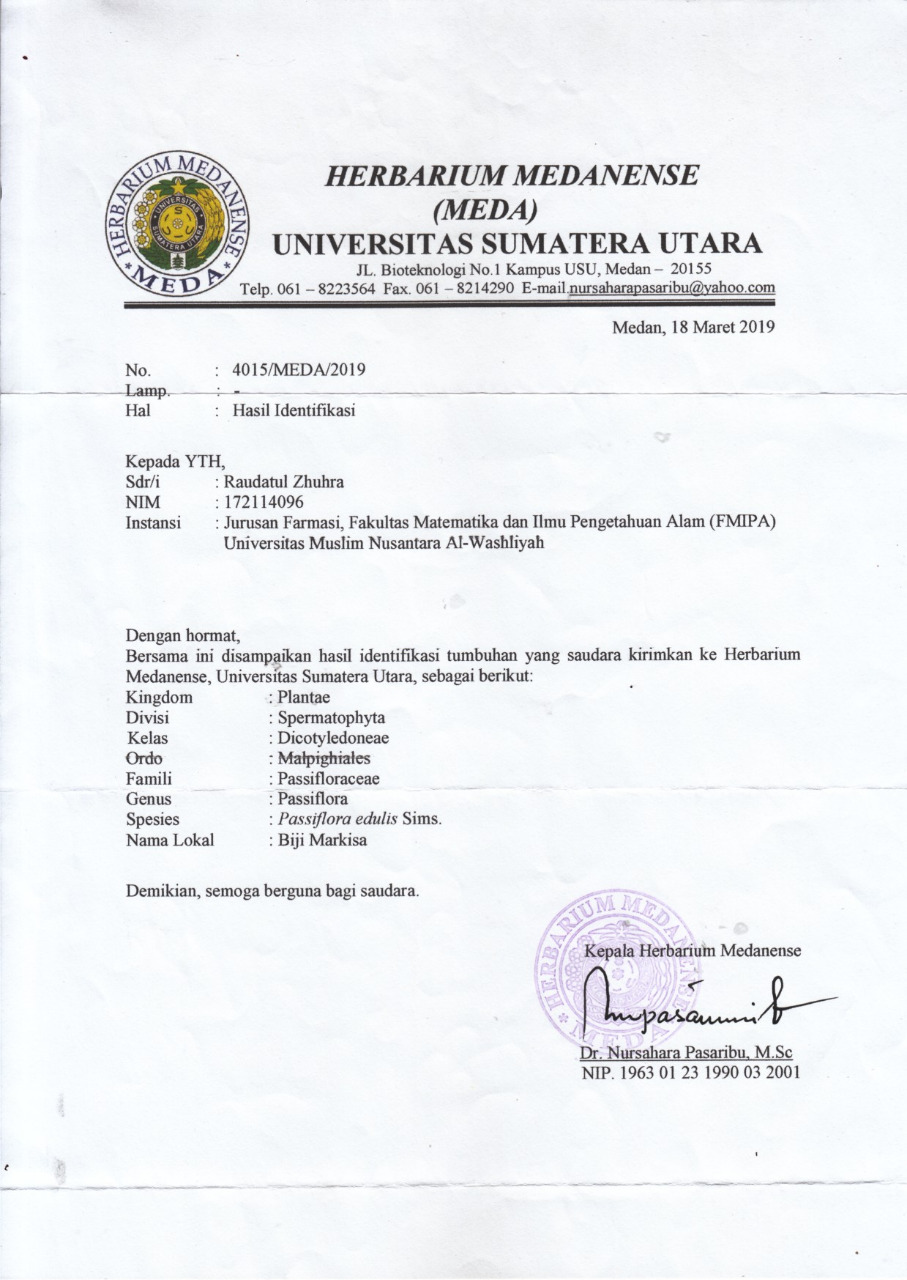
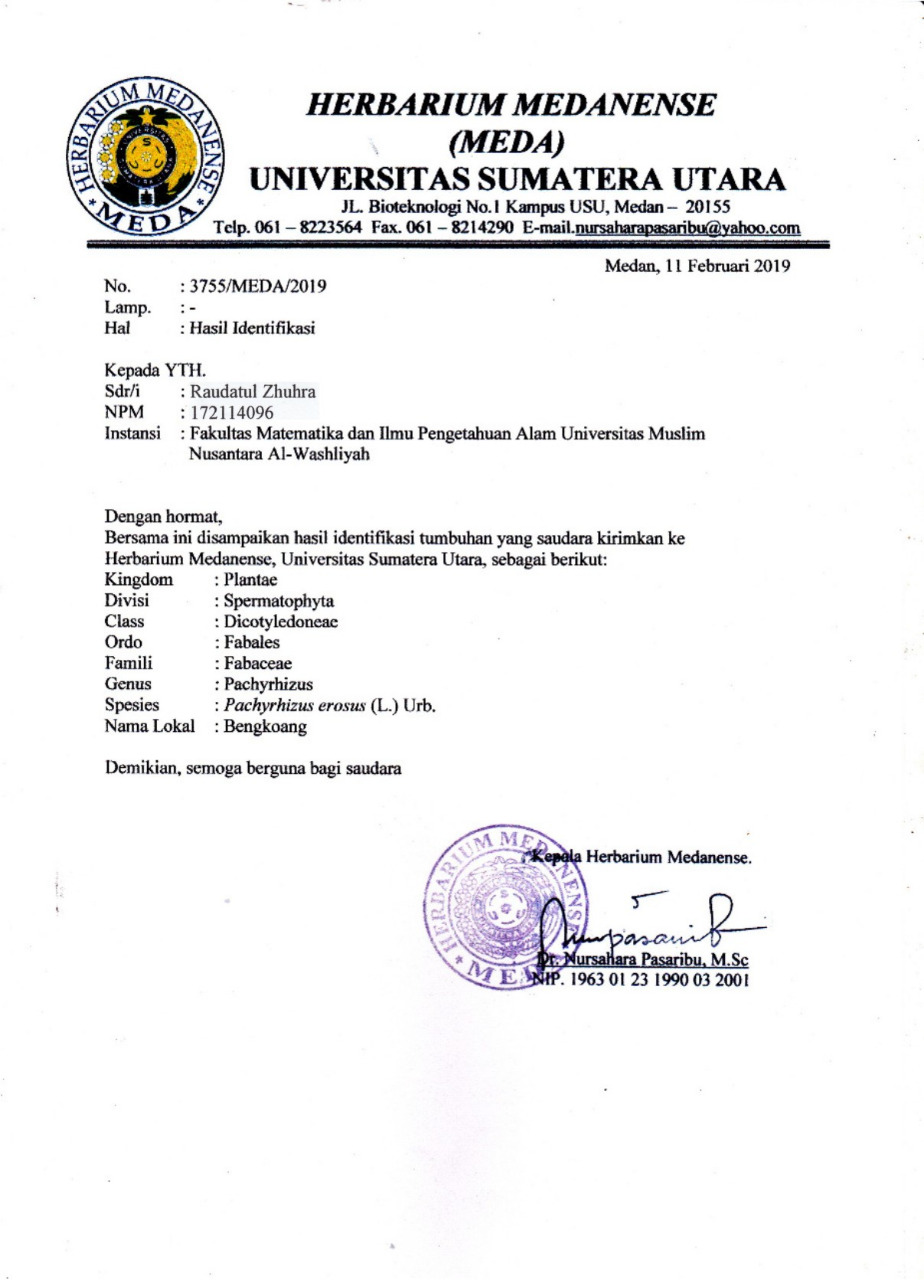
**Lampiran 1. Hasil Identifikasi Tumbuhan Biji Markisa Ungu**

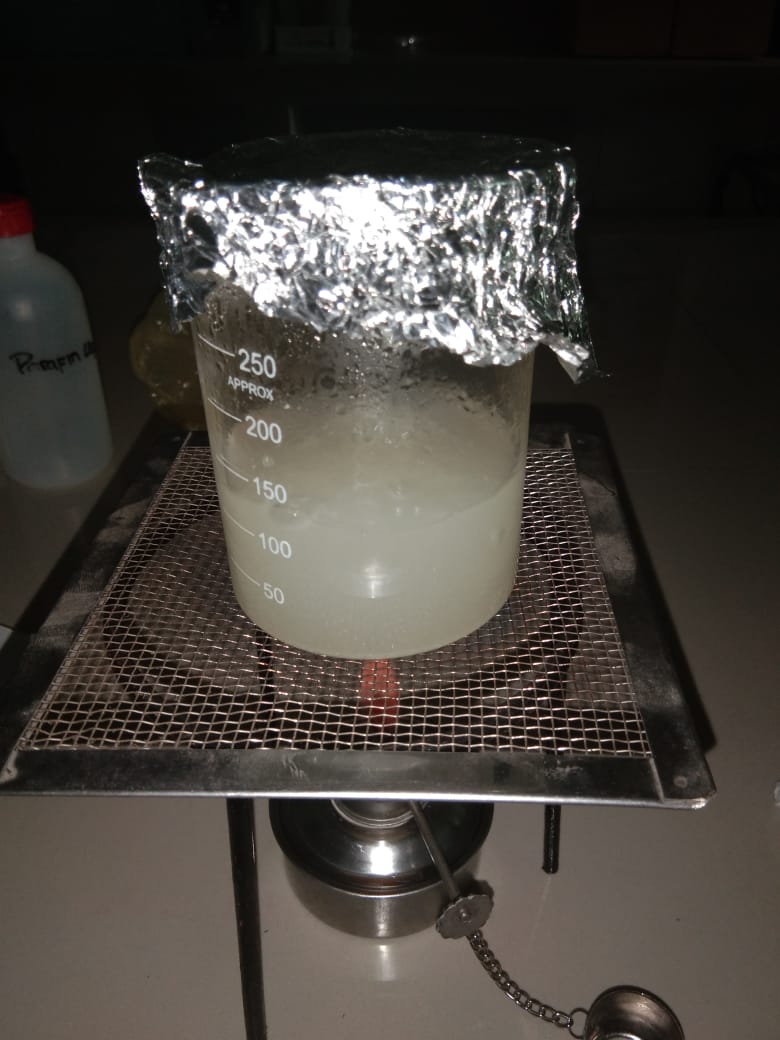
****

**Lampiran 2. Hasil Identifikasi Tumbuhan Umbi Bengkuang**

****

**Lampiran 3. Bahan Untuk Pembuatan Krim *Body Scrub* Ketan Putih**

Biji markisa ungu Sari biji markisa ungu



Sari umbi bengkuang *Scrub* ketan putih

**Lampiran 4. Alat Pembuatan Krim *Body Scrub*  Ketan Putih**

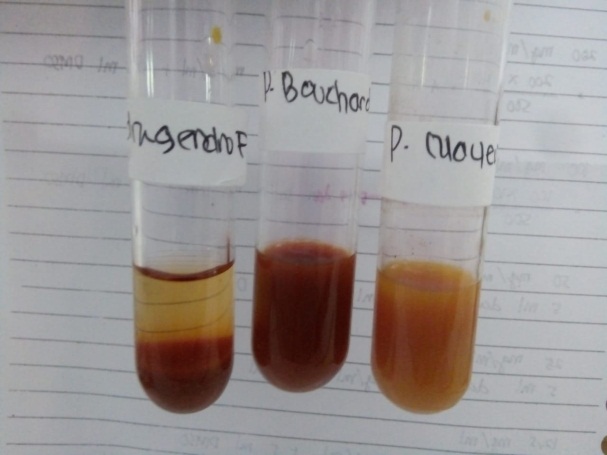


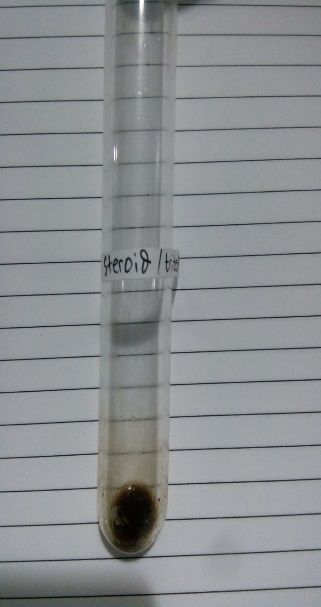
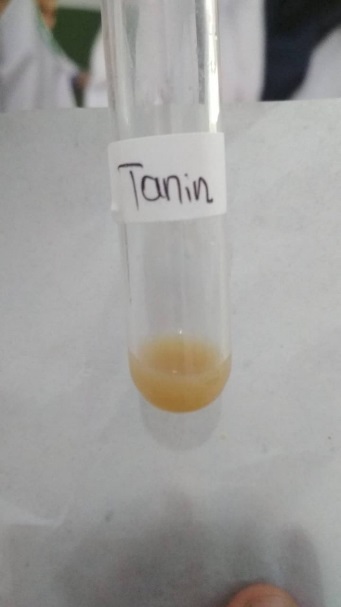
Alat penetapan kadar air Alat modifikasi krim

****

pH meter

**Lampiran 5. Hasil Skrining Fitokimia Biji Markisa Ungu**

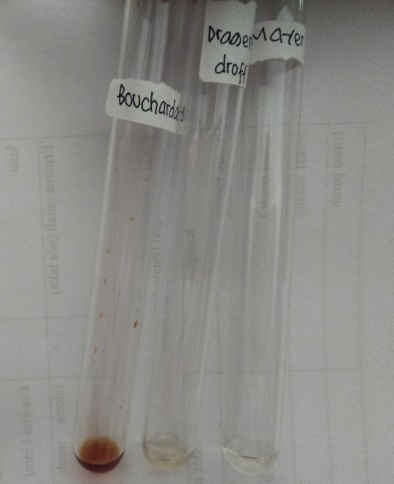
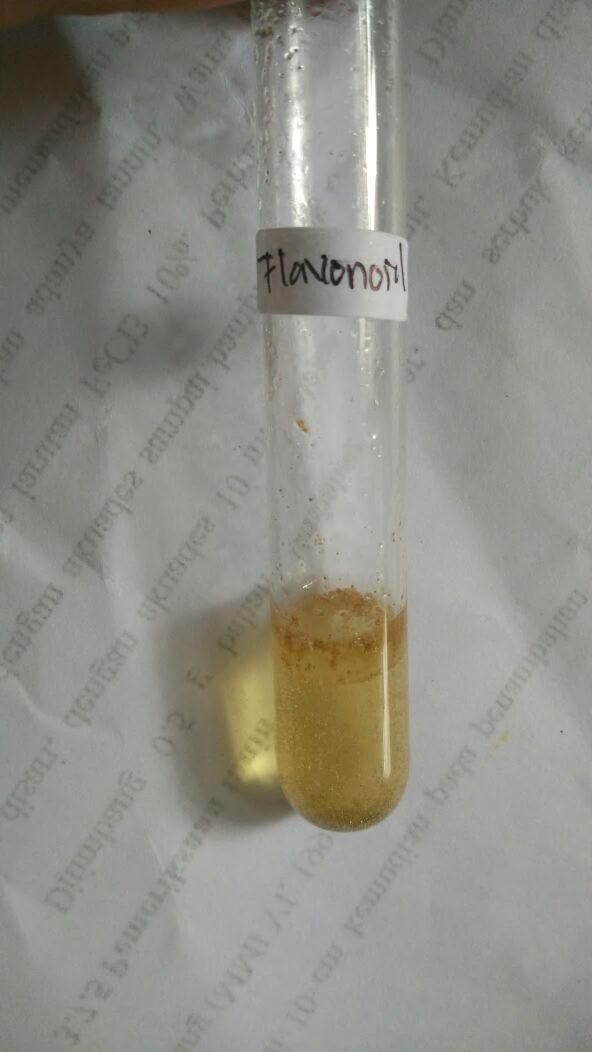
 Uji alkaloid uji flavonoid uji saponin



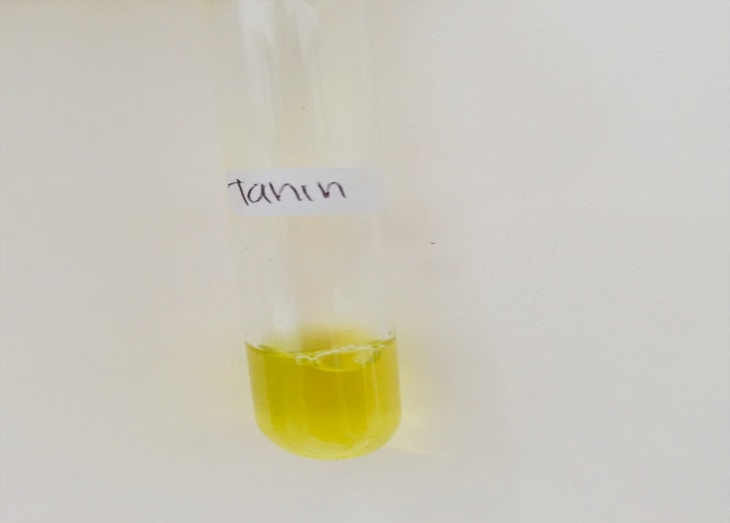
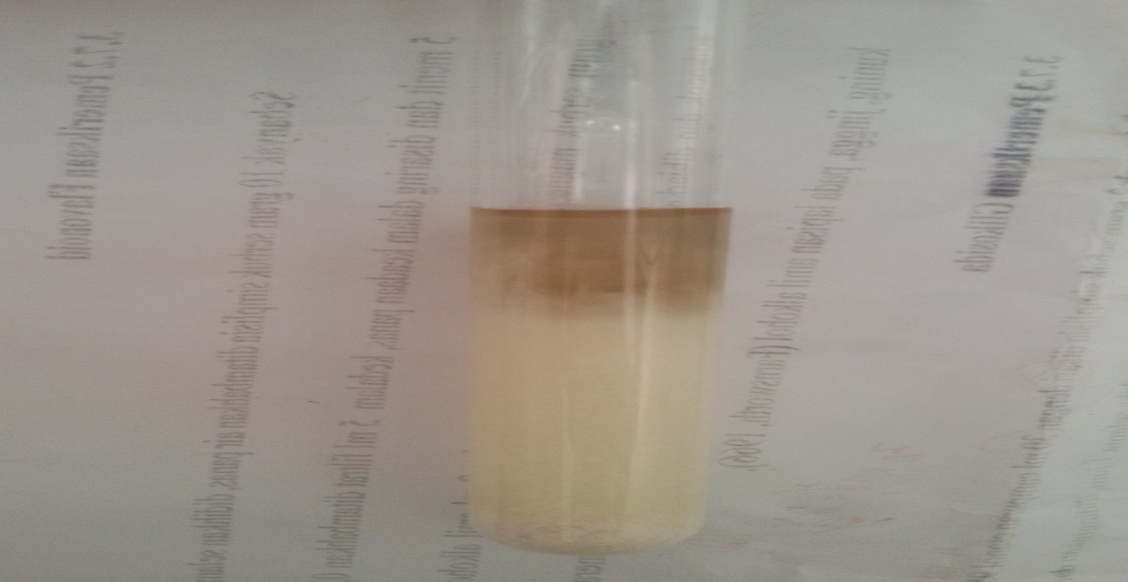
Uji steoroid uji tannin

Uji glikosida

**Lampiran 6.** Hasil Uji Skrining Fitokimia Umbi Bengkuang

**  **

Uji Alkaloid Uji flavonoid Uji saponin

**  **

Uji tannin Uji steroid/triterpenoid Uji glikosida

**Lampiran 7. Bagan Alir Penelitian**

Biji markisa ungu

dikumpulkan, disortasi basah

dicuci dan ditiriskan

dikeringkan

diblender hingga jadi serbuk

Serbuk biji markisa ungu

Sediaan dengan konsentrasi 10%, 20%, 30%

Skrining Fitokimia

Karakterisasi

1. Pemeriksaan alkaloid
2. Pemeriksaan flavonoid
3. Pemeriksaan tanin
4. Pemeriksaan Glikosida
5. Pemeriksaan steroida
6. Penetapan kadar air
7. Penetapan kadar sari larut dalam air
8. Penetapan kadar sari larut dalm etanol
9. Penetapan kadar abu total
10. Penetapan kadar sari larut dalam asam

1

Krim *Body Scrub*

1. Pemeriksaan organoleptis sediaan dan uji hedonik
2. Penentuan pH sediaan
3. Uji stabilitas sediaan
4. Uji tipe emulsi sediaan
5. Uji Iritasi pada sukarelawan

**Lampiran 7** Pengumpulan bengkoang

**Lampiran 8. Bagan Alir Pembuatan Dasar Krim dan Formulasi Krim *Body Scrub***

Metil paraben, trietanlaminum, gliserin, Sari markisa ungu, sari bengkuang,

, paraffin liquidum, asam stearat, cera alba

Dimasukkan dalam Dilarutkan dalam air

alat krim hingga larut panas hingga larut

Massa II

Massa I

Dicampurkan dalam alat modifikasi krim (70%)

Diaduk sampai homogen

Massa krim

Ditambah *scrub* ketan putih

F1 10%

F3 30 %

F2 20%

F0

Krim *Body Scrub*

Ditambahkan parfum secukupnya

1. Pemeriksaan organoleptis sediaan dan uji hedonik
2. Penentuan pH sediaan
3. Uji stabilitas sediaan
4. Uji tipe emulsi sediaan
5. Uji Iritasi pada sukarelawan

**Lampiran 9. Evaluasi Sediaan** **Krim *Body Scrub* Ketan Putih**

****

FIII

FII

FI

F0

Sediaan krim *Body Scrub*Ketan Putih



Uji tipe emulsi A/M

**Lampiran 10. Perhitungan Karakterisasi Serbuk Biji Markisa Ungu**

1. Penetapan kadar air

Kadar air = x 100%

Sampel 1

Berat Sampel = 5 g

Volume awal air = 1,6 ml

Volume akhir air = 2 ml

Kadar air (%) =x100%

= x 100 %

= 8 %

Sampel II

Berat sampel = 5 gram

Volume awal air =1,4 ml

Volume akhir air =1,8 ml

= 8 %

**Lampiran 10** (Lanjutan)

Sampel III

Berat sampel = 5 gram

Volume awal air = 1,5 ml

Volume akhir air = 1,9 ml

= 8 %

Kadar air rata-rata= **=** 8 %

1. Penetapan Kadar Sari Larut dalam Air

Kadar Sari Larut dalam Air =X 100 %

Sampel I

Berat sampel = 5,120 g

Berat Cawan = 34,58 g

Berat Cawan + Isi = 34,80 g

Berat Sari = 0,22 g

Kadar Sari Larut dalam Air`` = X 100 %

= 21,48 %

**Lampiran 10.** (Lanjutan)

Berat sampel II = 5,220 g

Berat Cawan = 34,57 g

Berat Cawan + Isi = 34,74 g

Berat Sari = 0,17 g

Kadar Sari Larut dalam Air`` = X 100 %

= 16,28 %

Sampel III

Berat sampel = 5,110 g

Berat Cawan = 63,01 g

Berat Cawan + Isi = 63, 16 g

Berat Sari = 0,15 g

Kadar Sari Larut dalam Air`` = X 100 %

= 14,67 %

Kadar sari larut dalam air rata-rata =

1. Penetapan Kadar Sari Larut dalam Etanol

Kadar Sari Larut dalam etanol =X 100 %

**Lampiran 10** (Lanjutan)

Berat sampel I = 5,0056 g

Berat Cawan = 34,561 g

Berat Cawan + Isi = 34,78 g

Berat Sari = 0,17 g

Kadar Sari Larut dalam Etanol` = X 100 %

= 16,980 %

Berat sampel II = 5,052 g

Berat Cawan = 34,58 g

Berat Cawan + Isi = 34,77 g

Berat Sari = 0,19 g

Kadar Sari Larut dalam etanol= X 100 %

= 18,980 %

Sampel III

Berat sampel = 5,0065 g

Berat Cawan = 42,71 g

Berat Cawan + Isi = 42,85 g

Berat Sari = 0,14 g

Kadar Sari Larut dalam etanol = X 100 % = 13,98 %

**Lampiran 10** (Lanjutan)

rata-rata =

= 16,64 %

1. Penetapan Kadar Abu Total

Kadar Abu Total = x100 %

Sampel I

Berat sampel = 2,0001 g

Berat Abu = 2,02 g

Kadar Abu Total = X 100 %

= 1,009 %

Sampel II

Berat sampel = 2,0005 g

Berat Abu = 1,98 g

Kadar Abu Total = X 100 % = 0,98 %

Sampel III

Berat sampel = 2,0008 g

Berat Abu = 1,98 g

Kadar Abu Total = X 100 % = 0,98 %

**Lampiran 10** (Lanjutan)

Kadar abu total rata-rata =X 100 % = 0,98 %

1. Penetapan Kadar abu tidak larut asam

Kadar abu tidak larut asam= x 100%

Sampel I

Berat sampel = 2,0001 g

Berat Abu = 0,009 g

Kadar abu tidak larut asam = X 100% = 0,449 %

Sampel II

Berat sampel = 2,0001 g

Berat Abu = 0,003 g

Kadar abu tidak larut asam = X 100% = 1,4 %

Sampel III

Berat sampel = 2,000 g

Berat Abu = 0,02 g

Kadar abu tidak larut asam = X 100% = 1 %

rata-rata =

**Lampiran 11.** Surat Pernyataan Sukarelawan

SURAT PERNYATAAN

Saya yang bertanda tangan dibawah ini:

Nama :

Umur :

Alamat :

Menyatakan bersedia menjadi sukarelawan untuk uji iritasi yang dilakukan dalam penelitian Raudatul Zhuhra dengan judul penelitian “ Formulasi Sediaan Krim *Body Scrub* dari Kombinasi Biji Markisa Ungu *(Passiflora edulis* Sims) dengan Sari Bengkuang (*Pachyrhizus erosus* L*.* Urban)*”****.***dan memenuhi kriteria sebagai sukarelawan uji sebagai berikut (Ditjen POM, 1985).

1. Wanita berbadan sehat
2. Usia antara 20-30 tahun
3. Tidak ada riwayat penyakit yang berhubungan dengan alergi
4. Bersedia menjadi relawan

Apabila terjadi hal-hal yang tidak diinginkan selama uji uritasi, sukarelawan tidak akan menuntut kepada peneliti.

Demikian surat pernyataan ini dibuat atas partisipasinya peneliti mengucapkan terima kasih.

**Lampiran 12.** Contoh Lembar Penilaian Kuisioner

Lembar Penilaian Kuisioner Untuk Uji Kesukaan *(Hedonic test)*

Mohon kesediaan sahabat/teman –teman untuk mengisikan jawaban sesuai dengan pendapatnya.

Nama :

Umur :

1. Perhatikan **warna** dari masing-masing formula dan mohon diberi jawaban pada pertanyaan :
2. Bagaimana penilaian sahabat/teman-teman terhadap **warna** sediaan *krim body scrub* “Blanko” ini
3. STS 2. TS 3. KS 4. S 5. SS
4. Bagaimana penilaian sahabat/teman-teman terhadap **warna** sediaan *krim body scrub* konsentrasi “10%” ini
5. STS 2. TS 3. KS 4. S 5. SS
6. Bagaimana penilaian sahabat/teman-teman terhadap **warna** sediaan *krim body scrub* konsentrasi “20%” ini
7. STS 2. TS 3. KS 4. S 5. SS
8. Bagaimana penilaian sahabat/teman-teman terhadap **warna** sediaan *krim body scrub* konsentrasi “30%” ini
9. STS 2. TS 3. KS 4. S 5. SS

Keterangan :

1. STS : Sangat tidak suka
2. TS : Tidak suka
3. KS : Kurang suka
4. S : Suka
5. SS : Sangat suka

**Lampiran 12**. (Lanjutan)

1. Perhatikan **Bau** dari masing-masing formula dan mohon diberi jawaban pada pertanyaan :
2. Bagaimana penilaian sahabat/teman-teman terhadap **Bau** sediaan *Krim Body Scrub* “Blanko” ini

1. STS 2. TS 3. KS 4. S 5. SS

1. Bagaimana penilaian sahabat/teman-teman terhadap **Bau** sediaan *Krim Body Scrub* konsentrasi “10%” ini
2. STS 2. TS 3. KS 4. S 5. SS
3. Bagaimana penilaian sahabat/teman-teman terhadap **Bau** sediaan *Krim Body Scrub* konsentrasi “20%” ini
4. STS 2. TS 3. KS 4. S 5. SS
5. Bagaimana penilaian sahabat/teman-teman terhadap **Bau** sediaan *Krim Body Scrub* konsentrasi “30%” ini
6. STS 2. TS 3. KS 4. S 5. SS

Keterangan :

1. STS : Sangat tidak suka
2. TS : Tidak suka
3. KS : Kurang suka
4. S : Suka
5. SS : Sangat suka

**Lampiran 12**. (Lanjutan)

1. Perhatikan **Bentuk/konsistensi** dari masing-masing formula dan mohon diberi jawaban pada pertanyaan :
2. Bagaimana penilaian sahabat/teman-teman terhadap **Bentuk/konsistensi**  sediaan *Krim Body Scrub* “Blanko” ini

1. STS 2. TS 3. KS 4. S 5. SS

1. Bagaimana penilaian sahabat/teman-teman terhadap **Bentuk/konsistensi** sediaan *Krim Body Scrub* konsentrasi “10%” ini
2. STS 2. TS 3. KS 4. S 5. SS
3. Bagaimana penilaian sahabat/teman-teman terhadap **Bentuk/konsistensi**  sediaan *Krim Body Scrub* konsentrasi “20%” ini
4. STS 2. TS 3. KS 4. S 5. SS
5. Bagaimana penilaian sahabat/teman-teman terhadap **Bentuk/konsistensi** sediaan *Krim Body Scrub* konsentrasi “30%” ini
6. STS 2. TS 3. KS 4. S 5. SS

Keterangan :

1. STS : Sangat tidak suka
2. TS : Tidak suka
3. KS : Kurang suka
4. S : Suka
5. SS : Sangat suka

**Lampiran 12**. (Lanjutan)

1. Perhatikan **Kemudahan dioleskan** dari masing-masing formula dan mohon diberi jawaban pada pertanyaan :
2. Bagaimana penilaian sahabat/teman-teman terhadap **Kemudahan dioleskan** sediaan *krim body scrub* “Blanko” ini

1. STS 2. TS 3. KS 4. S 5. SS

1. Bagaimana penilaian sahabat/teman-teman terhadap **Kemudahan dioleskan** sediaan *Krim Body Scrub* konsentrasi “10%” ini
2. STS 2. TS 3. KS 4. S 5. SS
3. Bagaimana penilaian sahabat/teman-teman terhadap **Kemudahan dioleskan** sediaan *Krim Body Scrub* konsentrasi “20%” ini
4. STS 2. TS 3. KS 4. S 5. SS
5. Bagaimana penilaian sahabat/teman-teman terhadap **Kemudahan dioleskan** sediaan *Krim Body Scrub* konsentrasi “30%” ini
6. STS 2. TS 3. KS 4. S 5. SS

Keterangan :

1. STS : Sangat tidak suka
2. TS : Tidak suka
3. KS : Kurang suka
4. S : Suka
5. SS : Sangat suka

**Lampiran 12.** Data dan Perhitungan Rentang Kesukaan Warna Secara Organoleptis Terhadap Berbagai Formula krim *body scrub* ketan putih

Hasil Uji Kesukaan Warna Formula 0

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Panelis | Hasill Uji Kesukaan Warna pada Sukarelawan | | | |
| Kode | Nilai Kesukaan (X) | (Xi-X̅) | (Xi-X̅)2 |
| 1 | KS | 3 | -0.8 | 0.64 |
| 2 | KS | 3 | -0.8 | 0.64 |
| 3 | KS | 3 | -0.8 | 0.64 |
| 4 | KS | 3 | -0.8 | 0.64 |
| 5 | KS | 3 | -0.8 | 0.64 |
| 6 | KS | 3 | -0.8 | 0.64 |
| 7 | KS | 3 | -0.8 | 0.64 |
| 8 | S | 4 | 0.2 | 0.04 |
| 9 | S | 4 | 0.2 | 0.04 |
| 10 | S | 4 | 0.2 | 0.04 |
| 11 | S | 4 | 0.2 | 0.04 |
| 12 | S | 4 | 0.2 | 0.04 |
| 13 | S | 4 | 0.2 | 0.04 |
| 14 | S | 4 | 0.2 | 0.04 |
| 15 | S | 4 | 0.2 | 0.04 |
| 16 | S | 4 | 0.2 | 0.04 |
| 17 | S | 4 | 0.2 | 0.04 |
| 18 | SS | 5 | 1.2 | 1.44 |
| 19 | SS | 5 | 1.2 | 1.44 |
| 20 | SS | 5 | 1.2 | 1.44 |
| Nilai kesukaan rata-rata (X̅) = 3.8 | | | Nilai total (Xi-X̅)2 = 9.2 | |

Standar deviasi (SD) =

Standar deviasi (SD) = = 0.6958

Rentang nilai kesukaan warna dari sediaan krim *body scrub* ketan putih

= Nilai rata-rata (X̅) – 0.6958 ≥ µ ≤ Nilai rata-rata (X̅) + 0.6958

= 3.8 – 0.6958 ≥ µ ≤ 3.8 + 0.6958

= 3.1042 ≥ µ ≤ 4.4958

**Lampiran 12.** (Lanjutan)

Hasil Uji Kesukaan Warna Formula I

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Panelis | Hasill Uji Kesukaan Warna pada Sukarelawan | | | |
| Kode | Nilai Kesukaan (X) | (Xi-X̅) | (Xi-X̅)2 |
| 1 | KS | 3 | -1.05 | 1.1025 |
| 2 | KS | 3 | -1.05 | 1.1025 |
| 3 | S | 4 | -0.05 | 0.0025 |
| 4 | S | 4 | -0.05 | 0.0025 |
| 5 | S | 4 | -0.05 | 0.0025 |
| 6 | S | 4 | -0.05 | 0.0025 |
| 7 | S | 4 | -0.05 | 0.0025 |
| 8 | S | 4 | -0.05 | 0.0025 |
| 9 | S | 4 | -0.05 | 0.0025 |
| 10 | S | 4 | -0.05 | 0.0025 |
| 11 | S | 4 | -0.05 | 0.0025 |
| 12 | S | 4 | -0.05 | 0.0025 |
| 13 | S | 4 | -0.05 | 0.0025 |
| 14 | S | 4 | -0.05 | 0.0025 |
| 15 | S | 4 | -0.05 | 0.0025 |
| 16 | S | 4 | -0.05 | 0.0025 |
| 17 | S | 4 | -0.05 | 0.0025 |
| 18 | SS | 5 | 0.95 | 0.9025 |
| 19 | SS | 5 | 0.95 | 0.9025 |
| 20 | SS | 5 | 0.95 | 0.9025 |
| Nilai kesukaan rata-rata (X̅) = 4.05 | | | Nilai total (Xi-X̅)2 = 4.95 | |

Standar deviasi (SD) =

Standar deviasi (SD) = = 0.5104

Rentang nilai kesukaan warna dari sediaan krim *body scrub* ketan putih

= Nilai rata-rata (X̅) – 0.5104 ≥ µ ≤ Nilai rata-rata (X̅) + 0.5104

= 4.05 – 0.5104≥ µ ≤ 4.05 + 0.5104

= 3.5396 ≥ µ ≤ 4.5604

**Lampiran 12.** (Lanjutan)

Hasil Uji Kesukaan Warna Formula II

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Panelis | Hasill Uji Kesukaan Warna pada Sukarelawan | | | |
| Kode | Nilai Kesukaan (X) | (Xi-X̅) | (Xi-X̅)2 |
| 1 | KS | 3 | -1.6 | 2.56 |
| 2 | KS | 3 | -1.6 | 2.56 |
| 3 | S | 4 | -0.6 | 0.36 |
| 4 | S | 4 | -0.6 | 0.36 |
| 5 | S | 4 | -0.6 | 0.36 |
| 6 | S | 4 | -0.6 | 0.36 |
| 7 | SS | 5 | 0.4 | 0.16 |
| 8 | SS | 5 | 0.4 | 0.16 |
| 9 | SS | 5 | 0.4 | 0.16 |
| 10 | SS | 5 | 0.4 | 0.16 |
| 11 | SS | 5 | 0.4 | 0.16 |
| 12 | SS | 5 | 0.4 | 0.16 |
| 13 | SS | 5 | 0.4 | 0.16 |
| 14 | SS | 5 | 0.4 | 0.16 |
| 15 | SS | 5 | 0.4 | 0.16 |
| 16 | SS | 5 | 0.4 | 0.16 |
| 17 | SS | 5 | 0.4 | 0.16 |
| 18 | SS | 5 | 0.4 | 0.16 |
| 19 | SS | 5 | 0.4 | 0.16 |
| 20 | SS | 5 | 0.4 | 0.16 |
| Nilai kesukaan rata-rata (X̅) = 4.6 | | | Nilai total (Xi-X̅)2 = 8.8 | |

Standar deviasi (SD) =

Standar deviasi (SD) = = 0.6805

Rentang nilai kesukaan warna dari sediaan krim *body scrub* ketan putih

= Nilai rata-rata (X̅) – 0.6805 ≥ µ ≤ Nilai rata-rata (X̅) + 0.6805

= 4.6 – 0.6805 ≥ µ ≤ 4.6 + 0.6805

= 3.9195 ≥ µ ≤ 5.2805

**Lampiran 12.** (Lanjutan)

Hasil Uji Kesukaan Warna Formula III

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Panelis | Hasill Uji Kesukaan Warna pada Sukarelawan | | | |
| Kode | Nilai Kesukaan (X) | (Xi-X̅) | (Xi-X̅)2 |
| 1 | KS | 3 | -1.15 | 1.3225 |
| 2 | KS | 3 | -1.15 | 1.3225 |
| 3 | S | 4 | -0.15 | 0.0225 |
| 4 | S | 4 | -0.15 | 0.0225 |
| 5 | S | 4 | -0.15 | 0.0225 |
| 6 | S | 4 | -0.15 | 0.0225 |
| 7 | S | 4 | -0.15 | 0.0225 |
| 8 | S | 4 | -0.15 | 0.0225 |
| 9 | S | 4 | -0.15 | 0.0225 |
| 10 | S | 4 | -0.15 | 0.0225 |
| 11 | S | 4 | -0.15 | 0.0225 |
| 12 | S | 4 | -0.15 | 0.0225 |
| 13 | S | 4 | -0.15 | 0.0225 |
| 14 | S | 4 | -0.15 | 0.0225 |
| 15 | S | 4 | -0.15 | 0.0225 |
| 16 | SS | 5 | 0.85 | 0.7225 |
| 17 | SS | 5 | 0.85 | 0.7225 |
| 18 | SS | 5 | 0.85 | 0.7225 |
| 19 | SS | 5 | 0.85 | 0.7225 |
| 20 | SS | 5 | 0.85 | 0.7225 |
| Nilai kesukaan rata-rata (X̅) = 4.15 | | | Nilai total (Xi-X̅)2 = 6.55 | |

Standar deviasi (SD) =

Standar deviasi (SD) = = 0.5871

Rentang nilai kesukaan warna dari sediaan krim *body scrub* ketan putih

= Nilai rata-rata (X̅) – 0.5871 ≥ µ ≤ Nilai rata-rata (X̅) + 0.5871

= 4.15 – 0.5871≥ µ ≤ 4.15 + 0.5871

= 3.5629 ≥ µ ≤ 4.7371

**Lampiran 12.** (Lanjutan)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Panelis | Hasil uji kesukaan warna dari berbagai formula sediaan  krim *body scrub* ketan putih | | | | | | | |
| Formula 0 | | Formula I | | Formula II | | Formula III | |
| Kode | Nilai | Kode | Nilai | Kode | Nilai | Kode | Nilai |
| 1 | KS | 3 | KS | 3 | KS | 3 | KS | 3 |
| 2 | KS | 3 | KS | 3 | KS | 3 | KS | 3 |
| 3 | KS | 3 | S | 4 | S | 4 | S | 4 |
| 4 | KS | 3 | S | 4 | S | 4 | S | 4 |
| 5 | KS | 3 | S | 4 | S | 4 | S | 4 |
| 6 | KS | 3 | S | 4 | S | 4 | S | 4 |
| 7 | KS | 3 | S | 4 | SS | 5 | S | 4 |
| 8 | S | 4 | S | 4 | SS | 5 | S | 4 |
| 9 | S | 4 | S | 4 | SS | 5 | S | 4 |
| 10 | S | 4 | S | 4 | SS | 5 | S | 4 |
| 11 | S | 4 | S | 4 | SS | 5 | S | 4 |
| 12 | S | 4 | S | 4 | SS | 5 | S | 4 |
| 13 | S | 4 | S | 4 | SS | 5 | S | 4 |
| 14 | S | 4 | S | 4 | SS | 5 | S | 4 |
| 15 | S | 4 | S | 4 | SS | 5 | S | 4 |
| 16 | S | 4 | S | 4 | SS | 5 | SS | 5 |
| 17 | S | 4 | S | 4 | SS | 5 | SS | 5 |
| 18 | SS | 5 | SS | 5 | SS | 5 | SS | 5 |
| 19 | SS | 5 | SS | 5 | SS | 5 | SS | 5 |
| 20 | SS | 5 | SS | 5 | SS | 5 | SS | 5 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Formula 0 | Formula I | Formula II | Formula III |
| Rata-rata nilai kesukaan = | 3.8 | 4.05 | 4.6 | 4.15 |
| Standar deviasi = | 0.6958 | 0.5104 | 0.6805 | 0.5871 |
| Rentang nilai kesukaan = | 3.1042 sampai 4.4958 | 3.5396 sampai 4.5604 | 3.9195 sampai 5.2805 | 3.5629 sampai 4.7371 |

**Lampiran 12.** Data dan Perhitungan Rentang Kesukaan Bau Secara Organoleptis Terhadap Berbagai Formula krim *body scrub* ketan putih

Hasil Uji Kesukaan Bau Formula 0

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Panelis | Hasill Uji Kesukaan Bau pada Sukarelawan | | | |
| Kode | Nilai Kesukaan (X) | (Xi-X̅) | (Xi-X̅)2 |
| 1 | TS | 2 | -1.25 | 1.5625 |
| 2 | TS | 2 | -1.25 | 1.5625 |
| 3 | TS | 2 | -1.25 | 1.5625 |
| 4 | TS | 2 | -1.25 | 1.5625 |
| 5 | KS | 3 | -0.25 | 0.0625 |
| 6 | KS | 3 | -0.25 | 0.0625 |
| 7 | KS | 3 | -0.25 | 0.0625 |
| 8 | KS | 3 | -0.25 | 0.0625 |
| 9 | KS | 3 | -0.25 | 0.0625 |
| 10 | KS | 3 | -0.25 | 0.0625 |
| 11 | KS | 3 | -0.25 | 0.0625 |
| 12 | KS | 3 | -0.25 | 0.0625 |
| 13 | KS | 3 | -0.25 | 0.0625 |
| 14 | S | 4 | 0.75 | 0.5625 |
| 15 | S | 4 | 0.75 | 0.5625 |
| 16 | S | 4 | 0.75 | 0.5625 |
| 17 | S | 4 | 0.75 | 0.5625 |
| 18 | S | 4 | 0.75 | 0.5625 |
| 19 | SS | 5 | 1.75 | 3.0625 |
| 20 | SS | 5 | 1.75 | 3.0625 |
| Nilai kesukaan rata-rata (X̅) = 3.25 | | | Nilai total (Xi-X̅)2 = 15.75 | |

Standar deviasi (SD) =

Standar deviasi (SD) = = 0.9104

Rentang nilai kesukaan bau dari sediaan krim *body scrub* ketan putih

= Nilai rata-rata (X̅) – 0.9104 ≥ µ ≤ Nilai rata-rata (X̅) + 0.9104

= 3.25 – 0.9104 ≥ µ ≤ 3.25 + 0.9104

= 2.3396 ≥ µ ≤ 4.1604

**Lampiran 12.** (Lanjutan)

Hasil Uji Kesukaan Bau Formula I

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Panelis | Hasill Uji Kesukaan Bau pada Sukarelawan | | | |
| Kode | Nilai Kesukaan (X) | (Xi-X̅) | (Xi-X̅)2 |
| 1 | TS | 2 | -2.1 | 4.41 |
| 2 | KS | 3 | -1.1 | 1.21 |
| 3 | KS | 3 | -1.1 | 1.21 |
| 4 | S | 4 | -0.1 | 0.01 |
| 5 | S | 4 | -0.1 | 0.01 |
| 6 | S | 4 | -0.1 | 0.01 |
| 7 | S | 4 | -0.1 | 0.01 |
| 8 | S | 4 | -0.1 | 0.01 |
| 9 | S | 4 | -0.1 | 0.01 |
| 10 | S | 4 | -0.1 | 0.01 |
| 11 | S | 4 | -0.1 | 0.01 |
| 12 | S | 4 | -0.1 | 0.01 |
| 13 | S | 4 | -0.1 | 0.01 |
| 14 | S | 4 | -0.1 | 0.01 |
| 15 | SS | 5 | 0.9 | 0.81 |
| 16 | SS | 5 | 0.9 | 0.81 |
| 17 | SS | 5 | 0.9 | 0.81 |
| 18 | SS | 5 | 0.9 | 0.81 |
| 19 | SS | 5 | 0.9 | 0.81 |
| 20 | SS | 5 | 0.9 | 0.81 |
| Nilai kesukaan rata-rata (X̅) = 4.1 | | | Nilai total (Xi-X̅)2 = 11.8 | |

Standar deviasi (SD) =

Standar deviasi (SD) = = 0.7880

Rentang nilai kesukaan bau dari sediaan krim *body scrub* ketan putih

= Nilai rata-rata (X̅) – 0.7880 ≥ µ ≤ Nilai rata-rata (X̅) + 0.7880

= 4.1 – 0.7880 ≥ µ ≤ 4.1 + 0.7880

= 3.321 ≥ µ ≤ 4.888

**Lampiran 12.** (Lanjutan)

Hasil Uji Kesukaan Bau Formula II

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Panelis | Hasill Uji Kesukaan Bau pada Sukarelawan | | | |
| Kode | Nilai Kesukaan (X) | (Xi-X̅) | (Xi-X̅)2 |
| 1 | TS | 2 | -2.5 | 6.25 |
| 2 | KS | 3 | -1.5 | 2.25 |
| 3 | S | 4 | -0.5 | 0.25 |
| 4 | S | 4 | -0.5 | 0.25 |
| 5 | S | 4 | -0.5 | 0.25 |
| 6 | S | 4 | -0.5 | 0.25 |
| 7 | S | 4 | -0.5 | 0.25 |
| 8 | SS | 5 | 0.5 | 0.25 |
| 9 | SS | 5 | 0.5 | 0.25 |
| 10 | SS | 5 | 0.5 | 0.25 |
| 11 | SS | 5 | 0.5 | 0.25 |
| 12 | SS | 5 | 0.5 | 0.25 |
| 13 | SS | 5 | 0.5 | 0.25 |
| 14 | SS | 5 | 0.5 | 0.25 |
| 15 | SS | 5 | 0.5 | 0.25 |
| 16 | SS | 5 | 0.5 | 0.25 |
| 17 | SS | 5 | 0.5 | 0.25 |
| 18 | SS | 5 | 0.5 | 0.25 |
| 19 | SS | 5 | 0.5 | 0.25 |
| 20 | SS | 5 | 0.5 | 0.25 |
| Nilai kesukaan rata-rata (X̅) = 4.5 | | | Nilai total (Xi-X̅)2 = 13 | |

Standar deviasi (SD) =

Standar deviasi (SD) = = 0.8271

Rentang nilai kesukaan bau dari sediaan krim *body scrub* ketan putih

= Nilai rata-rata (X̅) – 0.8271 ≥ µ ≤ Nilai rata-rata (X̅) + 0.8271

= 4.5 – 0.8271 ≥ µ ≤ 4.5 + 0.8271

= 3.6729 ≥ µ ≤ 5.3271

**Lampiran 12.** (Lanjutan)

Hasil Uji Kesukaan Bau Formula III

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Panelis | Hasill Uji Kesukaan Bau pada Sukarelawan | | | |
| Kode | Nilai Kesukaan (X) | (Xi-X̅) | (Xi-X̅)2 |
| 1 | TS | 2 | -2.3 | 5.29 |
| 2 | KS | 3 | -1.3 | 1.69 |
| 3 | S | 4 | -0.3 | 0.09 |
| 4 | S | 4 | -0.3 | 0.09 |
| 5 | S | 4 | -0.3 | 0.09 |
| 6 | S | 4 | -0.3 | 0.09 |
| 7 | S | 4 | -0.3 | 0.09 |
| 8 | S | 4 | -0.3 | 0.09 |
| 9 | S | 4 | -0.3 | 0.09 |
| 10 | S | 4 | -0.3 | 0.09 |
| 11 | S | 4 | -0.3 | 0.09 |
| 12 | SS | 5 | 0.7 | 0.49 |
| 13 | SS | 5 | 0.7 | 0.49 |
| 14 | SS | 5 | 0.7 | 0.49 |
| 15 | SS | 5 | 0.7 | 0.49 |
| 16 | SS | 5 | 0.7 | 0.49 |
| 17 | SS | 5 | 0.7 | 0.49 |
| 18 | SS | 5 | 0.7 | 0.49 |
| 19 | SS | 5 | 0.7 | 0.49 |
| 20 | SS | 5 | 0.7 | 0.49 |
| Nilai kesukaan rata-rata (X̅) = 4.3 | | | Nilai total (Xi-X̅)2 = 12.2 | |

Standar deviasi (SD) =

Standar deviasi (SD) = = 0.8013

Rentang nilai kesukaan bau dari sediaan krim *body scrub* ketan putih

= Nilai rata-rata (X̅) – 0.8013 ≥ µ ≤ Nilai rata-rata (X̅) + 0.8013

= 4.3 – 0.8013 ≥ µ ≤ 4.3 + 0.8013

= 3.4987 ≥ µ ≤ 5.1013

**Lampiran 12.** (Lanjutan)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Panelis | Hasil uji kesukaan bau dari berbagai formula sediaan  krim *body scrub* ketan putih | | | | | | | |
| Formula 0 | | Formula I | | Formula II | | Formula III | |
| Kode | Nilai | Kode | Nilai | Kode | Nilai | Kode | Nilai |
| 1 | TS | 2 | TS | 2 | TS | 2 | TS | 2 |
| 2 | TS | 2 | KS | 3 | KS | 3 | KS | 3 |
| 3 | TS | 2 | KS | 3 | S | 4 | S | 4 |
| 4 | TS | 2 | S | 4 | S | 4 | S | 4 |
| 5 | KS | 3 | S | 4 | S | 4 | S | 4 |
| 6 | KS | 3 | S | 4 | S | 4 | S | 4 |
| 7 | KS | 3 | S | 4 | S | 4 | S | 4 |
| 8 | KS | 3 | S | 4 | SS | 5 | S | 4 |
| 9 | KS | 3 | S | 4 | SS | 5 | S | 4 |
| 10 | KS | 3 | S | 4 | SS | 5 | S | 4 |
| 11 | KS | 3 | S | 4 | SS | 5 | S | 4 |
| 12 | KS | 3 | S | 4 | SS | 5 | SS | 5 |
| 13 | KS | 3 | S | 4 | SS | 5 | SS | 5 |
| 14 | S | 4 | S | 4 | SS | 5 | SS | 5 |
| 15 | S | 4 | SS | 5 | SS | 5 | SS | 5 |
| 16 | S | 4 | SS | 5 | SS | 5 | SS | 5 |
| 17 | S | 4 | SS | 5 | SS | 5 | SS | 5 |
| 18 | S | 4 | SS | 5 | SS | 5 | SS | 5 |
| 19 | SS | 5 | SS | 5 | SS | 5 | SS | 5 |
| 20 | SS | 5 | SS | 5 | SS | 5 | SS | 5 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Formula 0 | Formula I | Formula II | Formula III |
| Rata-rata nilai kesukaan = | 3.25 | 4.1 | 4.5 | 4.3 |
| Standar deviasi = | 0.9104 | 0.7880 | 0.8271 | 0.8013 |
| Rentang nilai kesukaan = | 2.3396 sampai 4.1604 | 3.321 sampai 4.888 | 3.6729 sampai 5.3271 | 3.4987 sampai 5.1013 |

**Lampiran 12.** Data dan Perhitungan Rentang Kesukaan Bentuk Secara Organoleptis Terhadap Berbagai Formula Krim *Body Scrub* Ketan Putih

Hasil Uji Kesukaan Bentuk Formula 0

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Panelis | Hasill Uji Kesukaan Bentuk pada Sukarelawan | | | |
| Kode | Nilai Kesukaan (X) | (Xi-X̅) | (Xi-X̅)2 |
| 1 | TS | 2 | -1.95 | 3.8025 |
| 2 | KS | 3 | -0.95 | 0.9025 |
| 3 | KS | 3 | -0.95 | 0.9025 |
| 4 | KS | 3 | -0.95 | 0.9025 |
| 5 | KS | 3 | -0.95 | 0.9025 |
| 6 | S | 4 | 0.05 | 0.0025 |
| 7 | S | 4 | 0.05 | 0.0025 |
| 8 | S | 4 | 0.05 | 0.0025 |
| 9 | S | 4 | 0.05 | 0.0025 |
| 10 | S | 4 | 0.05 | 0.0025 |
| 11 | S | 4 | 0.05 | 0.0025 |
| 12 | S | 4 | 0.05 | 0.0025 |
| 13 | S | 4 | 0.05 | 0.0025 |
| 14 | S | 4 | 0.05 | 0.0025 |
| 15 | S | 4 | 0.05 | 0.0025 |
| 16 | SS | 5 | 1.05 | 1.1025 |
| 17 | SS | 5 | 1.05 | 1.1025 |
| 18 | SS | 5 | 1.05 | 1.1025 |
| 19 | SS | 5 | 1.05 | 1.1025 |
| 20 | SS | 5 | 1.05 | 1.1025 |
| Nilai kesukaan rata-rata (X̅) = 3.95 | | | Nilai total (Xi-X̅)2 = 12.95 | |

Standar deviasi (SD) =

Standar deviasi (SD) = = 0.8255

Rentang nilai kesukaan bentuk dari sediaan krim *body scrub* ketan putih

= Nilai rata-rata (X̅) – 0.8255 ≥ µ ≤ Nilai rata-rata (X̅) + 0.8255

= 3,95 - 0.8255 ≥ µ ≤ 3,95 + 0.8255

= 3.1245 ≥ µ ≤ 4.7755

**Lampiran 12.** (Lanjutan)

Hasil Uji Kesukaan Bentuk Formula I

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Panelis | Hasil Uji Kesukaan Warna pada Sukarelawan | | | |
| Kode | Nilai Kesukaan (X) | (Xi- X̅) | (Xi- X̅)2 |
| 1 | KS | 3 | -1.05 | 1.10 |
| 2 | KS | 3 | -1.05 | 1.10 |
| 3 | KS | 3 | -1.05 | 1.10 |
| 4 | KS | 3 | -1.05 | 1.10 |
| 5 | S | 4 | -0.05 | 0.00 |
| 6 | S | 4 | -0.05 | 0.00 |
| 7 | S | 4 | -0.05 | 0.00 |
| 8 | S | 4 | -0.05 | 0.00 |
| 9 | S | 4 | -0.05 | 0.00 |
| 10 | S | 4 | -0.05 | 0.00 |
| 11 | S | 4 | -0.05 | 0.00 |
| 12 | S | 4 | -0.05 | 0.00 |
| 13 | S | 4 | -0.05 | 0.00 |
| 14 | S | 4 | -0.05 | 0.00 |
| 15 | S | 4 | -0.05 | 0.00 |
| 16 | SS | 5 | 0.95 | 0.90 |
| 17 | SS | 5 | 0.95 | 0.90 |
| 18 | SS | 5 | 0.95 | 0.90 |
| 19 | SS | 5 | 0.95 | 0.90 |
| 20 | SS | 5 | 0.95 | 0.90 |
| Nilai kesukaan rata-rata (X̅) = 4.05 | | | Nilai total (Xi-X̅)2 =8.95 | |

Standar deviasi (SD) =

Standar deviasi (SD) = = 0,6863

Rentang nilai kesukaan mudah dioleskan dari krim *body scrub* ketan putih

= Nilai rata-rata (X̅) - 0,6863 ≥ µ≤ Nilai rata-rata (X̅) + 0,6863

= 4,05 - 0,6863 ≥ µ≤ 4,05 + 0,6863

= 3,3637 ≥ µ≤ 4,7363

**Lampiran 12.** (Lanjutan)

Hasil Uji Kesukaan Bentuk Formula II

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Panelis | Hasill Uji Kesukaan Warna Pada Sukarelawan | | | |
| Kode | Nilai Kesukaan (X) | (Xi-X̅) | (Xi-X̅)2 |
| 1 | TS | 2 | -1.95 | 3.8025 |
| 2 | TS | 2 | -1.95 | 3.8025 |
| 3 | KS | 3 | -0.95 | 0.9025 |
| 4 | KS | 3 | -0.95 | 0.9025 |
| 5 | S | 4 | 0.05 | 0.0025 |
| 6 | S | 4 | 0.05 | 0.0025 |
| 7 | S | 4 | 0.05 | 0.0025 |
| 8 | S | 4 | 0.05 | 0.0025 |
| 9 | S | 4 | 0.05 | 0.0025 |
| 10 | S | 4 | 0.05 | 0.0025 |
| 11 | S | 4 | 0.05 | 0.0025 |
| 12 | S | 4 | 0.05 | 0.0025 |
| 13 | S | 4 | 0.05 | 0.0025 |
| 14 | S | 4 | 0.05 | 0.0025 |
| 15 | S | 4 | 0.05 | 0.0025 |
| 16 | SS | 5 | 1.05 | 1.1025 |
| 17 | SS | 5 | 1.05 | 1.1025 |
| 18 | SS | 5 | 1.05 | 1.1025 |
| 19 | SS | 5 | 1.05 | 1.1025 |
| 20 | SS | 5 | 1.05 | 1.1025 |
| Nilai kesukaan rata-rata (X̅) = 3.95 | | | Nilai total (Xi-X̅)2 = 14.95 | |

Standar deviasi (SD) =

Standar deviasi (SD) = = 0.8870

Rentang nilai kesukaan bentuk dari krim *Body Scrub* *body scrub* ketan putih

= Nilai rata-rata (X̅) – 0.8870 ≥ µ ≤ Nilai rata-rata (X̅) + 0.8870

= 3.95 - 0.8870 ≥ µ ≤ 3.95 + 0.8870

= 3.063 ≥ µ ≤ 4.837

**Lampiran 12.** (Lanjutan)

Hasil Uji Kesukaan Bentuk Formula III

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Panelis | Hasill Uji Kesukaan Bentuk pada Sukarelawan | | | |
| Kode | Nilai Kesukaan (X) | (Xi-X̅) | (Xi-X̅)2 |
| 1 | KS | 3 | -1.45 | 2.1025 |
| 2 | KS | 3 | -1.45 | 2.1025 |
| 3 | S | 4 | -0.45 | 0.2025 |
| 4 | S | 4 | -0.45 | 0.2025 |
| 5 | S | 4 | -0.45 | 0.2025 |
| 6 | S | 4 | -0.45 | 0.2025 |
| 7 | S | 4 | -0.45 | 0.2025 |
| 8 | S | 4 | -0.45 | 0.2025 |
| 9 | S | 4 | -0.45 | 0.2025 |
| 10 | SS | 5 | 0.55 | 0.3025 |
| 11 | SS | 5 | 0.55 | 0.3025 |
| 12 | SS | 5 | 0.55 | 0.3025 |
| 13 | SS | 5 | 0.55 | 0.3025 |
| 14 | SS | 5 | 0.55 | 0.3025 |
| 15 | SS | 5 | 0.55 | 0.3025 |
| 16 | SS | 5 | 0.55 | 0.3025 |
| 17 | SS | 5 | 0.55 | 0.3025 |
| 18 | SS | 5 | 0.55 | 0.3025 |
| 19 | SS | 5 | 0.55 | 0.3025 |
| 20 | SS | 5 | 0.55 | 0.3025 |
| Nilai kesukaan rata-rata (X̅) = 4.45 | | | Nilai total (Xi-X̅)2 = 8.95 | |

Standar deviasi (SD) =

Standar deviasi (SD) = = 0.6863

Rentang nilai kesukaan bentuk dari sediaan basis krim *body scrub* ketan putih

= Nilai rata-rata (X̅) – 0.6863 ≥ µ ≤ Nilai rata-rata (X̅) + 0.6863

= 4.45 - 0.6863 ≥ µ ≤ 4.45 + 0.6863

= 3.7637 ≥ µ ≤ 5.1363

**Lampiran 12.** (Lanjutan)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Panelis | Hasil uji kesukaan bentuk dari berbagai formula sediaan  krim *body scrub* ketan putih | | | | | | | |
| Formula 0 | | Formula I | | Formula II | | Formula III | |
| Kode | Nilai | Kode | Nilai | Kode | Nilai | Kode | Nilai |
| 1 | TS | 2 | TS | 2 | TS | 2 | KS | 3 |
| 2 | KS | 3 | KS | 3 | TS | 2 | KS | 3 |
| 3 | KS | 3 | KS | 3 | KS | 3 | S | 4 |
| 4 | KS | 3 | S | 4 | KS | 3 | S | 4 |
| 5 | KS | 3 | S | 4 | S | 4 | S | 4 |
| 6 | S | 4 | S | 4 | S | 4 | S | 4 |
| 7 | S | 4 | S | 4 | S | 4 | S | 4 |
| 8 | S | 4 | S | 4 | S | 4 | S | 4 |
| 9 | S | 4 | SS | 5 | S | 4 | S | 4 |
| 10 | S | 4 | SS | 5 | S | 4 | SS | 5 |
| 11 | S | 4 | SS | 5 | S | 4 | SS | 5 |
| 12 | S | 4 | SS | 5 | S | 4 | SS | 5 |
| 13 | S | 4 | SS | 5 | S | 4 | SS | 5 |
| 14 | S | 4 | SS | 5 | S | 4 | SS | 5 |
| 15 | S | 4 | SS | 5 | S | 4 | SS | 5 |
| 16 | SS | 5 | SS | 5 | SS | 5 | SS | 5 |
| 17 | SS | 5 | SS | 5 | SS | 5 | SS | 5 |
| 18 | SS | 5 | SS | 5 | SS | 5 | SS | 5 |
| 19 | SS | 5 | SS | 5 | SS | 5 | SS | 5 |
| 20 | SS | 5 | SS | 5 | SS | 5 | SS | 5 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Formula 0 | Formula I | Formula II | Formula III |
| Rata-rata nilai kesukaan = | 3.95 | 4,05 | 3.95 | 4.45 |
| Standar deviasi = | 0.8255 | 0.8825 | 0.8870 | 0.6863 |
| Rentang nilai kesukaan = | 3.1245 sampai 4.7755 | 3,3637 sampai 4,7363 | 3.063 sampai 4.837 | 3.7637 sampai 5.1363 |

**Lampiran 12.** Data dan Perhitungan Rentang Kesukaan Mudah Dioleskan Secara Organoleptis Terhadap Berbagai Formula krim *Body Scrub* ketan putih

Hasil Uji Kesukaan Mudah Dioleskan Formula 0

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Panelis | Hasil Uji Kesukaan Warna pada Sukarelawan | | | |
| Kode | Nilai Kesukaan (X) | (Xi- X̅) | (Xi- X̅)2 |
| 1 | KS | 3 | -1.1 | 1.21 |
| 2 | KS | 3 | -1.1 | 1.21 |
| 3 | KS | 3 | -1.1 | 1.21 |
| 4 | KS | 3 | -1.1 | 1.21 |
| 5 | S | 4 | -0.1 | 0.01 |
| 6 | S | 4 | -0.1 | 0.01 |
| 7 | S | 4 | -0.1 | 0.01 |
| 8 | S | 4 | -0.1 | 0.01 |
| 9 | S | 4 | -0.1 | 0.01 |
| 10 | S | 4 | -0.1 | 0.01 |
| 11 | S | 4 | -0.1 | 0.01 |
| 12 | S | 4 | -0.1 | 0.01 |
| 13 | S | 4 | -0.1 | 0.01 |
| 14 | S | 4 | -0.1 | 0.01 |
| 15 | SS | 5 | 0.9 | 0.81 |
| 16 | SS | 5 | 0.9 | 0.81 |
| 17 | SS | 5 | 0.9 | 0.81 |
| 18 | SS | 5 | 0.9 | 0.81 |
| 19 | SS | 5 | 0.9 | 0.81 |
| 20 | SS | 5 | 0.9 | 0.81 |
| Nilai kesukaan rata-rata (X̅) =4.1 | | | Nilai total (Xi-X̅)2 =9.80 | |

Standar deviasi (SD) =

Standar deviasi (SD) = = 0,7181

Rentang nilai kesukaan mudah dioleskan dari sediaan formulasi krim *Body Scrub* ketan putih

= Nilai rata-rata (X̅) - 0,7181 ≥ µ≤ Nilai rata-rata (X̅) + 0,7181

= 4,1 - 0,7181 ≥ µ≤ 4,1 + 0,7181

= 3,3819 ≥ µ≤ 4,8181

**Lampiran 12**. (Lanjutan)

Hasil Uji Kesukaan Mudah Dioleskan Formula 1

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Panelis | Hasil Uji Kesukaan Warna pada Sukarelawan | | | |
| Kode | Nilai Kesukaan (X) | (Xi- X̅) | (Xi- X̅)2 |
| 1 | KS | 3 | -1.3 | 1.69 |
| 2 | KS | 3 | -1.3 | 1.69 |
| 3 | S | 4 | -0.3 | 0.09 |
| 4 | S | 4 | -0.3 | 0.09 |
| 5 | S | 4 | -0.3 | 0.09 |
| 6 | S | 4 | -0.3 | 0.09 |
| 7 | S | 4 | -0.3 | 0.09 |
| 8 | S | 4 | -0.3 | 0.09 |
| 9 | S | 4 | -0.3 | 0.09 |
| 10 | S | 4 | -0.3 | 0.09 |
| 11 | S | 4 | -0.3 | 0.09 |
| 12 | S | 4 | -0.3 | 0.09 |
| 13 | SS | 5 | 0.7 | 0.49 |
| 14 | SS | 5 | 0.7 | 0.49 |
| 15 | SS | 5 | 0.7 | 0.49 |
| 16 | SS | 5 | 0.7 | 0.49 |
| 17 | SS | 5 | 0.7 | 0.49 |
| 18 | SS | 5 | 0.7 | 0.49 |
| 19 | SS | 5 | 0.7 | 0.49 |
| 20 | SS | 5 | 0.7 | 0.49 |
| Nilai kesukaan rata-rata (X̅) = 4.3 | | | Nilai total (Xi-X̅)2 =8.20 | |

Standar deviasi (SD) =

Standar deviasi (SD) = = 0,6569

Rentang nilai kesukaan mudah dioleskan dari sediaan formulasi krim *Body Scrub* ketan putih

= Nilai rata-rata (X̅) - 0,6569 ≥ µ≤ Nilai rata-rata (X̅) + 0,6569

= 4,3 - 0,6569 ≥ µ≤ 4,3 + 0,6569

= 3,6431 ≥ µ≤ 4,9569

**Lampiran 12**. (Lanjutan)

Hasil Uji Kesukaan Mudah Dioleskan Formula 2

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Panelis | Hasil Uji Kesukaan Warna pada Sukarelawan | | | |
| Kode | Nilai Kesukaan (X) | (Xi- X̅) | (Xi- X̅)2 |
| 1 | KS | 3 | -1.4 | 1.96 |
| 2 | S | 4 | -0.4 | 0.16 |
| 3 | S | 4 | -0.4 | 0.16 |
| 4 | S | 4 | -0.4 | 0.16 |
| 5 | S | 4 | -0.4 | 0.16 |
| 6 | S | 4 | -0.4 | 0.16 |
| 7 | S | 4 | -0.4 | 0.16 |
| 8 | S | 4 | -0.4 | 0.16 |
| 9 | S | 4 | -0.4 | 0.16 |
| 10 | S | 4 | -0.4 | 0.16 |
| 11 | S | 4 | -0.4 | 0.16 |
| 12 | SS | 5 | 0.6 | 0.36 |
| 13 | SS | 5 | 0.6 | 0.36 |
| 14 | SS | 5 | 0.6 | 0.36 |
| 15 | SS | 5 | 0.6 | 0.36 |
| 16 | SS | 5 | 0.6 | 0.36 |
| 17 | SS | 5 | 0.6 | 0.36 |
| 18 | SS | 5 | 0.6 | 0.36 |
| 19 | SS | 5 | 0.6 | 0.36 |
| 20 | SS | 5 | 0.6 | 0.36 |
| Nilai kesukaan rata-rata (X̅) = 4.4 | | | Nilai total (Xi-X̅)2 =6.80 | |

Standar deviasi (SD) =

Standar deviasi (SD) = = 0,5982

Rentang nilai kesukaan mudah dioleskan dari sediaan formulasi krim *Body Scrub* Ketan Putih

= Nilai rata-rata (X̅) - 0,5982 ≥ µ≤ Nilai rata-rata (X̅) + 0,5982

= 4,4 - 0,5982 ≥ µ≤ 4,4 + 0,5982

= 3,8018 ≥ µ≤ 4,9982

**Lampiran 12**. (Lanjutan)

Hasil Uji Kesukaan Mudah Dioleskan Formula 3

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Panelis | Hasill Uji Kesukaan Bentuk pada Sukarelawan | | | |
| Kode | Nilai Kesukaan (X) | (Xi-X̅) | (Xi-X̅)2 |
| 1 | TS | 2 | -2.4 | 5.76 |
| 2 | KS | 3 | -1.4 | 1.96 |
| 3 | KS | 3 | -1.4 | 1.96 |
| 4 | S | 4 | -0.4 | 0.16 |
| 5 | S | 4 | -0.4 | 0.16 |
| 6 | S | 4 | -0.4 | 0.16 |
| 7 | S | 4 | -0.4 | 0.16 |
| 8 | S | 4 | -0.4 | 0.16 |
| 9 | SS | 5 | 0.6 | 0.36 |
| 10 | SS | 5 | 0.6 | 0.36 |
| 11 | SS | 5 | 0.6 | 0.36 |
| 12 | SS | 5 | 0.6 | 0.36 |
| 13 | SS | 5 | 0.6 | 0.36 |
| 14 | SS | 5 | 0.6 | 0.36 |
| 15 | SS | 5 | 0.6 | 0.36 |
| 16 | SS | 5 | 0.6 | 0.36 |
| 17 | SS | 5 | 0.6 | 0.36 |
| 18 | SS | 5 | 0.6 | 0.36 |
| 19 | SS | 5 | 0.6 | 0.36 |
| 20 | SS | 5 | 0.6 | 0.36 |
| Nilai kesukaan rata-rata (X̅) = 4.4 | | | Nilai total (Xi-X̅)2 = 14.8 | |

Standar deviasi (SD) =

Standar deviasi (SD) = = 0.8825

Rentang nilai kesukaan bentuk dari sediaan krim *Body Scrub*

= Nilai rata-rata (X̅) – 0.8825 ≥ µ ≤ Nilai rata-rata (X̅) + 0.8825

= 4.4 - 0.8825 ≥ µ ≤ 4.4 + 0.8825

= 3.5175 ≥ µ ≤ 5.2825

**Lampiran 12.** (Lanjutan)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Panelis | Hasil uji mudah dioleskan dari berbagai formula sediaan  krim *Body Scrub* Ketan Putih | | | | | | | |
| Formula 0 | | Formula I | | Formula II | | Formula III | |
| Kode | Nilai | Kode | Nilai | Kode | Nilai | Kode | Nilai |
| 1 | KS | 3 | KS | 3 | KS | 3 | TS | 2 |
| 2 | KS | 3 | KS | 3 | S | 4 | KS | 3 |
| 3 | KS | 3 | S | 4 | S | 4 | KS | 3 |
| 4 | KS | 3 | S | 4 | S | 4 | S | 4 |
| 5 | S | 4 | S | 4 | S | 4 | S | 4 |
| 6 | S | 4 | S | 4 | S | 4 | S | 4 |
| 7 | S | 4 | S | 4 | S | 4 | S | 4 |
| 8 | S | 4 | S | 4 | S | 4 | S | 4 |
| 9 | S | 4 | S | 4 | S | 4 | SS | 5 |
| 10 | S | 4 | S | 4 | S | 4 | SS | 5 |
| 11 | S | 4 | S | 4 | S | 4 | SS | 5 |
| 12 | S | 4 | S | 4 | SS | 5 | SS | 5 |
| 13 | S | 4 | SS | 5 | SS | 5 | SS | 5 |
| 14 | S | 4 | SS | 5 | SS | 5 | SS | 5 |
| 15 | SS | 5 | SS | 5 | SS | 5 | SS | 5 |
| 16 | SS | 5 | SS | 5 | SS | 5 | SS | 5 |
| 17 | SS | 5 | SS | 5 | SS | 5 | SS | 5 |
| 18 | SS | 5 | SS | 5 | SS | 5 | SS | 5 |
| 19 | SS | 5 | SS | 5 | SS | 5 | SS | 5 |
| 20 | SS | 5 | SS | 5 | SS | 5 | SS | 5 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Formula 0 | Formula I | Formula II | Formula III |
| Rata-rata nilai kesukaan = | 4.1 | 4.3 | 4.4 | 4.4 |
| Standar deviasi = | 0,7181 | 0,6569 | 0,5982 | 0.8825 |
| Rentang nilai kesukaan = | 3,3819 sampai 4,8181 | 3,6431 sampai 4,9569 | 3,8018 sampai 4,9982 | 3.5175 sampai 5.2825 |