# **LAMPIRAN**

**Lampiran 1.** Hasil identifikasi sampel daun kersen



**Lampiran 2.** Pembuatan simplisia daun kersen (*Muntingia calabura* L.)

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Daun Kersen (*Muntingia calabura* L.) yang sudah kering

Serbuk simplisia daun kersen (*Muntingia calabura* L.)

Proses pengayakan serbuk simplisia

Sampel segar daun kersen (*Muntingia calabura* L.)

**Lampiran 3**. Pembuatan ekstrak etanol daun kersen (*Muntingia calabura* L.)



Ekstrak etanol daun kersen (*Muntingia calabura* L.)

Pemekatan ekstrak dengan *vacuum rotary evaporator*

Proses perendaman simplisia dengan pelarut etanol

(metode maserasi)

**Lampiran 4**. Perhitungan penetapan kadar air

|  |  |  |  |
| --- | --- | --- | --- |
| **No** | **Berat Sampel**  **(g)** | **Volume awal**  **(mL)** | **Volume akhir**  **(mL)** |
| 1. | 5 | 1,4 | 1,6 |
| 2. | 5 | 1,5 | 1,8 |
| 3. | 5 | 1,6 | 1,8 |

Perhitungan

Rumus : %Kadar air = x 100%

1. %Kadar air = x 100% = 4%
2. %Kadar air = x 100% =6%
3. %Kadar air = x 100% =4%

Hasil Rata-Rata = = 4,6%

Persyaratan menurut MMI Edisi 6 Tidak lebih dari 10%

**Lampiran 5.** Perhitungan penetapan kadar sari larut dalam air

|  |  |  |  |
| --- | --- | --- | --- |
| **No** | **Berat Sampel**  **(g)** | **Berat Cawan Kosong (g)** | **Berat Cawan Isi**  **(g)** |
| 1. | 5 | 53,47 | 53,64 |
| 2. | 5 | 55,22 | 55,43 |
| 3. | 5 | 34,95 | 35,14 |

Perhitungan

Rumus : %Kadar = x 100%

1. %Kadar = x 100% = 17%
2. %Kadar = x 100% = 21%
3. %Kadar = x 100% = 19%

Hasil Rata-rata = = 19%

Persyaratan menurut MMI Edisi 6 Tidak kurang dari 1%

**Lampiran 6.** Perhitungan penetapan kadar sari larut dalam etanol

|  |  |  |  |
| --- | --- | --- | --- |
| **No** | **Berat Sampel**  **(g)** | **Berat Cawan Kosong (g)** | **Berat Cawan Isi**  **(g)** |
| 1. | 5 | 122,77 | 123,06 |
| 2. | 5 | 113, 05 | 113,30 |
| 3. | 5 | 22,43 | 22,71 |

Perhitungan

Rumus : %Kadar = x 100%

1. %Kadar = x 100% = 29%
2. %Kadar = x 100% = 25%
3. %Kadar = x 100% = 28%

Hasil Rata-rata = = 27%

Persyaratan menurut MMI Edisi 6 Tidak kurang dari 2%

**Lampiran 7.** Perhitungan penetapan kadar abu total

|  |  |  |  |
| --- | --- | --- | --- |
| **No** | **Berat Sampel**  **(g)** | **Berat Cawan Kosong (g)** | **Berat Cawan Isi**  **(g)** |
| 1. | 2 | 63,13 | 63,25 |
| 2. | 2 | 65,75 | 65,81 |
| 3. | 2 | 64,11 | 64,15 |

Perhitungan

Rumus: %Kadar = x 100%

1. %Kadar = x 100% = 6%
2. %Kadar = x 100% = 3%
3. %Kadar = x 100% = 2%

Hasil Rata-rata = = 3,6%

Persyaratan menurut MMI Edisi 6 Tidak lebih dari 4%

**Lampiran 8.** Perhitungan penetapan kadar abu tidak larut dalam asam

|  |  |  |  |
| --- | --- | --- | --- |
| **No** | **Berat Sampel**  **(g)** | **Berat Cawan Kosong (g)** | **Berat Cawan Isi**  **(g)** |
| 1. | 2 | 63,13 | 63,15 |
| 2. | 2 | 65,75 | 65,76 |
| 3. | 2 | 64,11 | 64,13 |

Perhitungan

Rumus: %Kadar = x 100%

1. %Kadar = x 100% = 1%
2. %Kadar = x 100% = 0,5%
3. %Kadar = x 100% = 1%

Hasil Rata-rata = = 0,83%

Persyaratan menurut MMI Edisi 6 Tidak lebih dari 1%

**Lampiran 9.** Perhitungan susut pengeringan dan persen rendemen

|  |  |
| --- | --- |
| Berat daun segar | 6,5 kg |
| Berat daun kering | 2,8 kg |
| Berat serbuk | 2,3 kg |
| Berat ekstrak | 172,82 g |

Rumus :

Susut pengeringan = x 100%

= x 100%

= 57 %

Rumus :

Rendemen = x 100%

= x 100%

= 19,20 %

**Lampiran 10.** Bagan alir pembuatan ekstrak etanol daun kersen

Simplisia Daun Kersen

ditimbang sebanyak 900 gram

dimasukkan ke dalam bejana maserasi

ditambahkan 75 bagian larutan penyari etanol 96%

dibiarkan selama 5 hari, sesekali diaduk

disaring dengan kain flannel

Sisa ampas

Maserat Daun Kersen

ditambahkan 25 bagian larutan penyari etanol 96%

dibiarkan selama 2 hari dan terlindungi dari cahaya matahari

dipekatkan dengan *vacuum evaporator*

Ekstrak Kental Daun Kersen

172 gram

**Lampiran 11.** Bagan alir pembuatan sediaan masker gel *peel-off* ekstrak etanol daun kersen

PVA

Massa 1

dikembangkan dalam air panas, gerus sampai homogen

dimasukkan Massa 1 ke dalam Massa 2, gerus sampai homogen

Massa 2

Masker Gel *Peel-Off* Ekstrak Etanol Daun Kersen

Carbopol 940

dikembangkan dalam air panas, gerus sampai homogen

ditambahkan TEA, dan gerus sampai homogen

ditambahkan nipagin yang sudah dilarutkan dalam gliserin, gerus sampai homogen

ditambahkan ekstrak daun kersen, gerus homogen

**Lampiran 12**. Sediaan masker gel *peel-off* ekstrak etanol daun kersen (*Muntingia calabura* L.)



Keterangan:

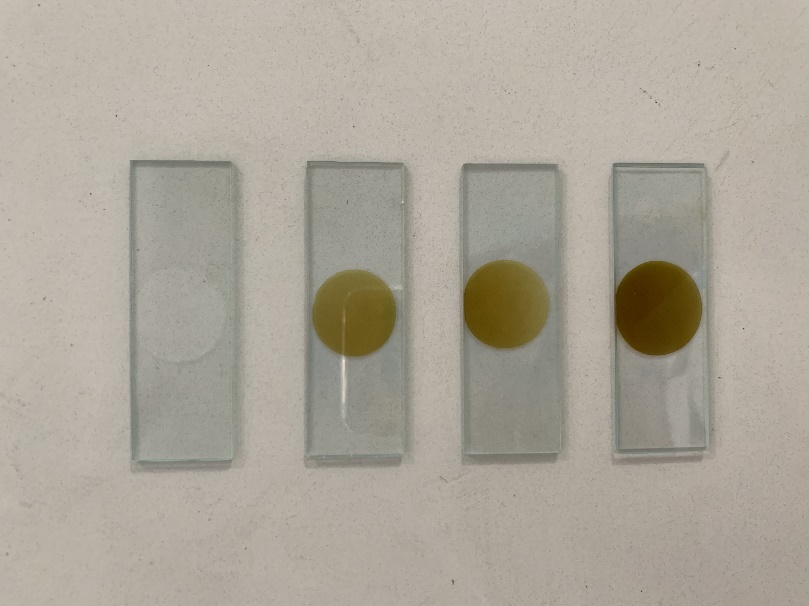
F0: Blanko

F1: Ekstrak Etanol Daun Kersen Konsentrasi 4%

F2: Ekstrak Etanol Daun Kersen Konsentrasi 8%

F3: Ekstrak Etanol Daun Kersen Konsentrasi 12%

**Lampiran 13.** Uji homogenitas



F0

(Blanko)

F1

(4%)

F2

(8%)

F3

(12%)

**Lampiran 14**. Uji pH



F3 (12%)

F1 (4%)

F2 (8%)

**Lampiran 15.** Uji daya sebar



**Lampiran 16**. Uji viskositas



**Lampiran 17.** Uji iritasi





Masker gel *peel-off* saat dioleskan pada lengan atas

Ditutup dengan kain kasa



Hasil uji iritasi setelah pengolesan masker gel *peel-off*

**Lampiran 18.** Uji waktu mengering

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F0 (Blanko)

F3 (12%)

F2 (8%)

F1 (4%)

**Lampiran 19.** Penggunaan masker pada sukarelawan





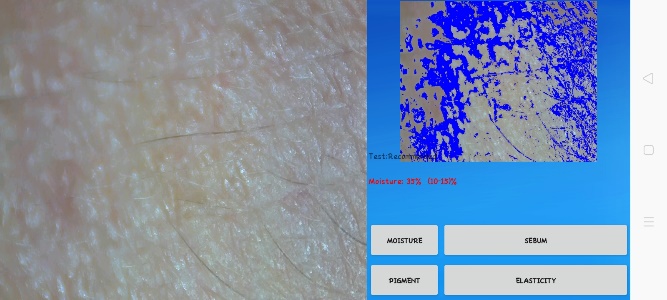
**Lampiran 20**. Uji masker gel *peel-off* dengan alat skin *analyzer*

1. Kelembaban (*Moisture*)

Range (10-15)%

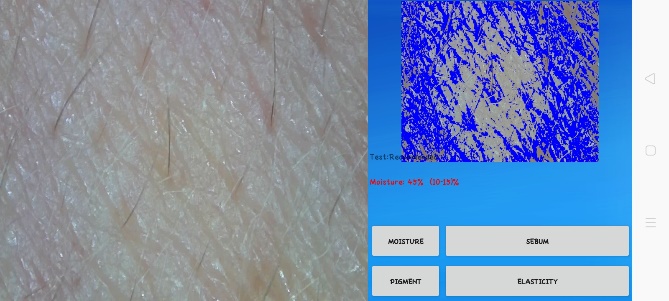
Kondisi awal= 35%

Minggu ke 1 = 38%



Minggu ke 3 = 45%

Minggu ke 2 = 42%



Minggu ke 4 = 48%



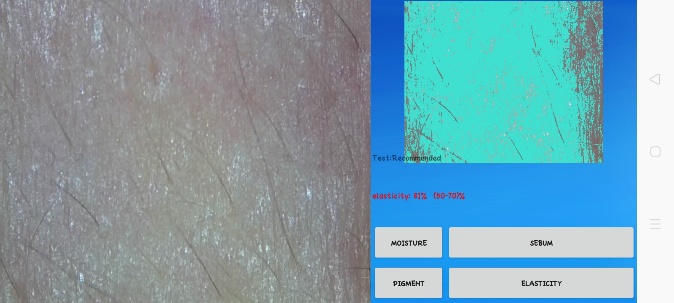
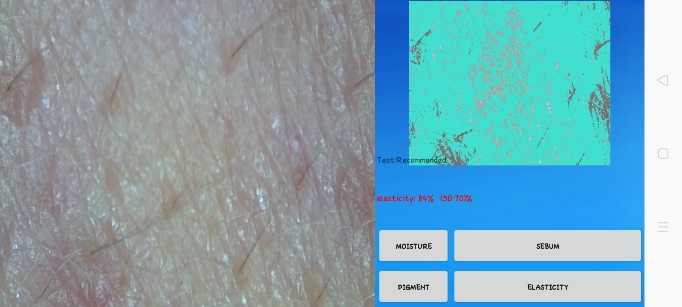
**Lampiran 20.** (Lanjutan)

1. Elastisitas (*Elasticity*)

Range (50-70)%

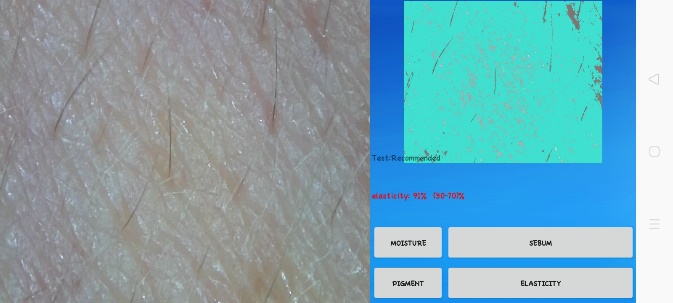
Minggu ke 1 = 84%

Kondisi awal= 81%

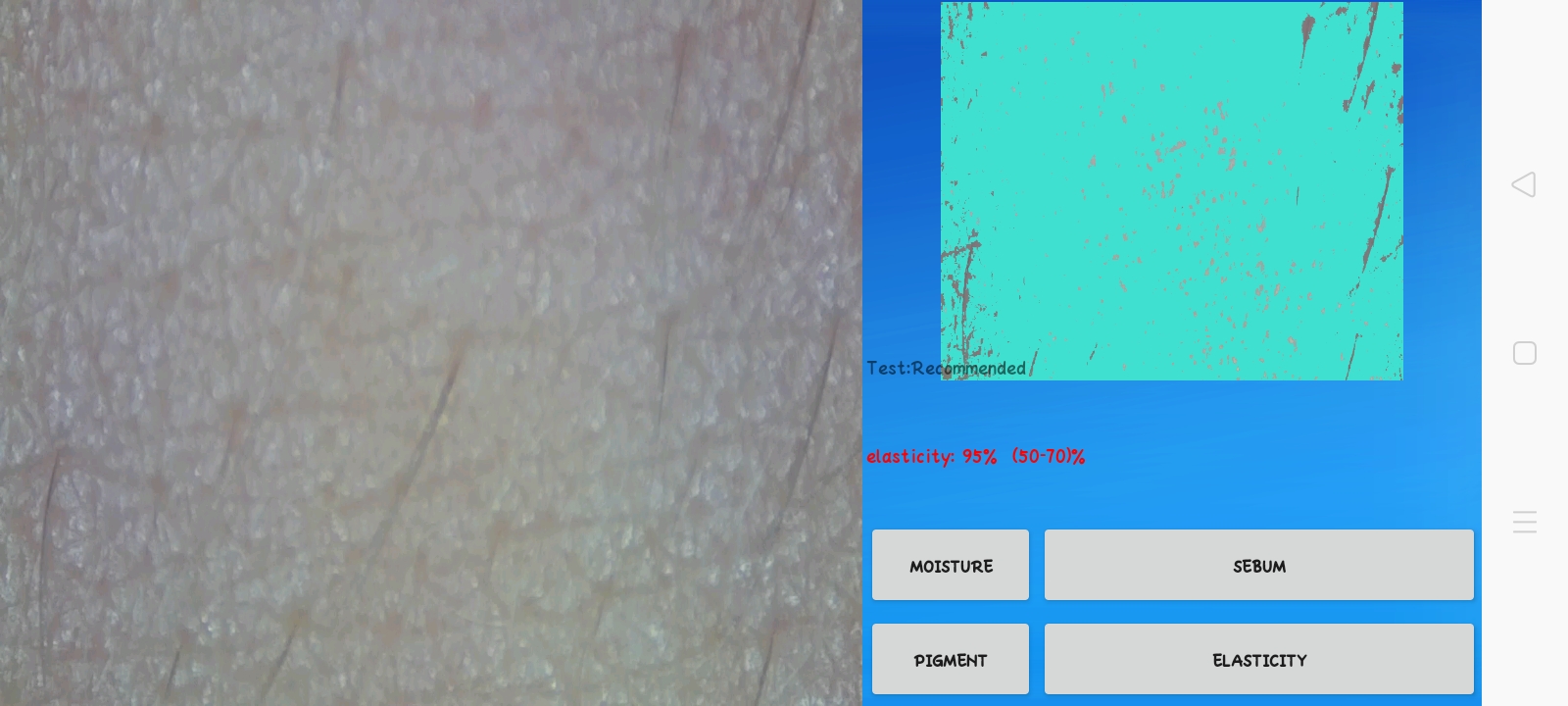


Minggu ke 3 = 91%

Minggu ke 2 = 87%



Minggu ke 4 = 95%



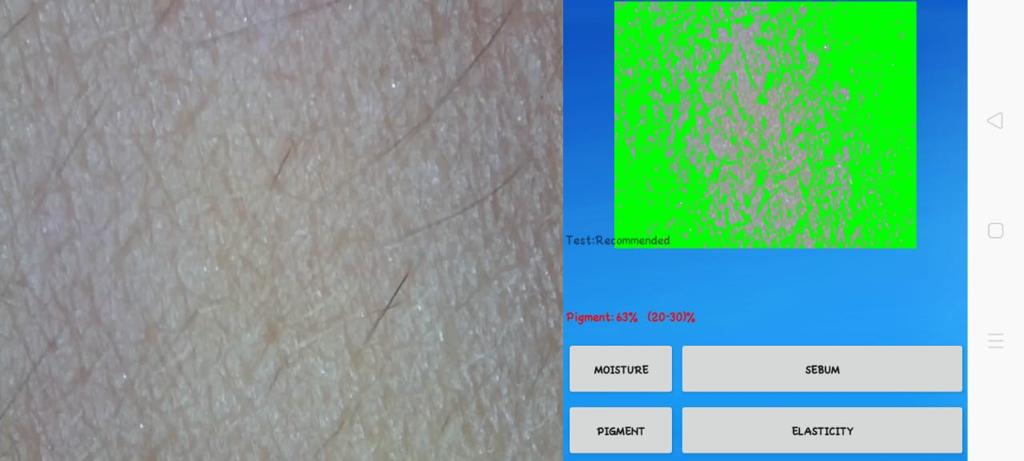
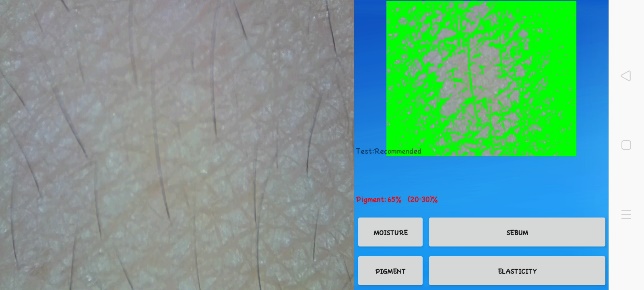
**Lampiran 20.** (Lanjutan)

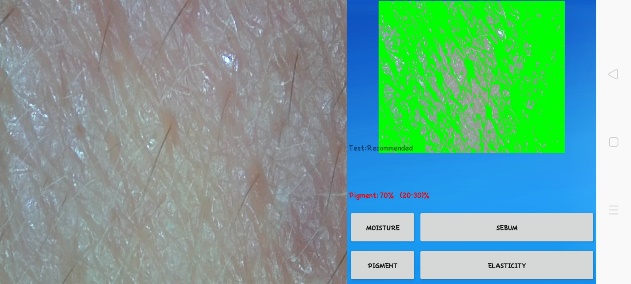
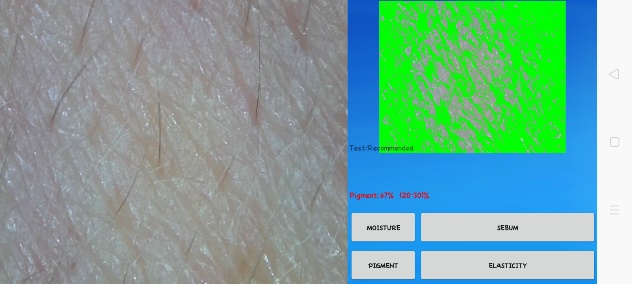
1. Kecerahan (*Pigment*)

Range (20-30)%

Minggu ke 1 = 65%

Kondisi awal= 63%





Minggu ke 3 = 70%

Minggu ke 2 = 67%

Minggu ke 4 = 74%



**Lampiran 21**. Data hasil statistik *one way ANOVA*

1. Kelembaban (*moisture*)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Tests of Normality** | | | | | | | |
|  | MOISTURE | Kolmogorov-Smirnova | | | Shapiro-Wilk | | |
|  | Statistic | df | Sig. | Statistic | df | Sig. |
| F0 | M0 | .175 | 3 | . | 1.000 | 3 | 1.000 |
| M1 | .175 | 3 | . | 1.000 | 3 | 1.000 |
| M2 | .175 | 3 | . | 1.000 | 3 | 1.000 |
| M3 | .253 | 3 | . | .964 | 3 | .637 |
| M4 | .253 | 3 | . | .964 | 3 | .637 |
| F1 | M0 | .175 | 3 | . | 1.000 | 3 | 1.000 |
| M1 | .253 | 3 | . | .964 | 3 | .637 |
| M2 | .253 | 3 | . | .964 | 3 | .637 |
| M3 | .253 | 3 | . | .964 | 3 | .637 |
| M4 | .175 | 3 | . | 1.000 | 3 | 1.000 |
| F2 | M0 | .253 | 3 | . | .964 | 3 | .637 |
| M1 | .253 | 3 | . | .964 | 3 | .637 |
| M2 | .253 | 3 | . | .964 | 3 | .637 |
| M3 | .292 | 3 | . | .923 | 3 | .463 |
| M4 | .292 | 3 | . | .923 | 3 | .463 |
| F3 | M0 | .175 | 3 | . | 1.000 | 3 | 1.000 |
| M1 | .175 | 3 | . | 1.000 | 3 | 1.000 |
| M2 | .175 | 3 | . | 1.000 | 3 | 1.000 |
| M3 | .253 | 3 | . | .964 | 3 | .637 |
| M4 | .253 | 3 | . | .964 | 3 | .637 |
| a. Lilliefors Significance Correction | | | | | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test of Homogeneity of Variances** | | | | |
|  | Levene Statistic | df1 | df2 | Sig. |
| F0 | .453 | 4 | 10 | .769 |
| F1 | .421 | 4 | 10 | .790 |
| F2 | .312 | 4 | 10 | .864 |
| F3 | .453 | 4 | 10 | .769 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Lampiran 21.** (Lanjutan)  **ANOVA** | | | | | | |
|  | | Sum of Squares | df | Mean Square | F | Sig. |
| F0 | Between Groups | 14.667 | 4 | 3.667 | 2.391 | .120 |
| Within Groups | 15.333 | 10 | 1.533 |  |  |
| Total | 30.000 | 14 |  |  |  |
| F1 | Between Groups | 31.600 | 4 | 7.900 | 4.389 | .026 |
| Within Groups | 18.000 | 10 | 1.800 |  |  |
| Total | 49.600 | 14 |  |  |  |
| F2 | Between Groups | 72.000 | 4 | 18.000 | 5.745 | .011 |
| Within Groups | 31.333 | 10 | 3.133 |  |  |
| Total | 103.333 | 14 |  |  |  |
| F3 | Between Groups | 289.600 | 4 | 72.400 | 47.217 | .000 |
| Within Groups | 15.333 | 10 | 1.533 |  |  |
| Total | 304.933 | 14 |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **F0** | | | |
| Duncana | | | |
| MOISTURE | N | Subset for alpha = 0.05 | |
| 1 | 2 |
| M0 | 3 | 34.00 |  |
| M1 | 3 | 34.00 |  |
| M2 | 3 | 35.00 | 35.00 |
| M3 | 3 | 35.33 | 35.33 |
| M4 | 3 |  | 36.67 |
| Sig. |  | .247 | .146 |
| Means for groups in homogeneous subsets are displayed.  a. Uses Harmonic Mean Sample Size = 3.000. | | | |
|  | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Lampiran 21.** (Lanjutan)  **F1** | | | | | | |
| Duncana | | | | | | |
| MOISTURE | N | | Subset for alpha = 0.05 | | | |
| 1 | | 2 | |
| M0 | 3 | | 36.00 | |  | |
| M1 | 3 | | 36.33 | |  | |
| M2 | 3 | | 37.33 | |  | |
| M3 | 3 | | 38.33 | | 38.33 | |
| M4 | 3 | |  | | 40.00 | |
| Sig. |  | | .075 | | .159 | |
| Means for groups in homogeneous subsets are displayed.  a. Uses Harmonic Mean Sample Size = 3.000. | | | | | | |
| **F2** | | | | | | | |
| Duncana | | | | | | | |
| MOISTURE | N | Subset for alpha = 0.05 | | | | | |
| 1 | | 2 | | 3 | |
| M0 | 3 | 38.67 | |  | |  | |
| M1 | 3 | 39.33 | | 39.33 | |  | |
| M2 | 3 | 41.33 | | 41.33 | | 41.33 | |
| M3 | 3 |  | | 42.67 | | 42.67 | |
| M4 | 3 |  | |  | | 44.67 | |
| Sig. |  | .108 | | .052 | | .052 | |
| Means for groups in homogeneous subsets are displayed. | | | | | | | |
| a. Uses Harmonic Mean Sample Size = 3.000. | | | | | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **F3** | | | | | | |
| Duncana | | | | | | |
| MOISTURE | N | Subset for alpha = 0.05 | | | | |
| 1 | 2 | 3 | 4 | 5 |
| M0 | 3 | 40.00 |  |  |  |  |
| M1 | 3 |  | 43.00 |  |  |  |
| M2 | 3 |  |  | 46.00 |  |  |
| M3 | 3 |  |  |  | 48.67 |  |
| M4 | 3 |  |  |  |  | 52.67 |
| 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. | | | | | | |

**Lampiran 21.** (Lanjutan)

1. Elastisitas (*elasticity*)

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Tests of Normality** | | | | | | | | | | | | |
|  | | ELASTICITY | | Kolmogorov-Smirnova | | | | Shapiro-Wilk | | | | |
|  | | Statistic | df | | Sig. | Statistic | | df | | Sig. |
| F0 | | M0 | | .253 | 3 | | . | .964 | | 3 | | .637 |
| M1 | | .175 | 3 | | . | 1.000 | | 3 | | 1.000 |
| M2 | | .253 | 3 | | . | .964 | | 3 | | .637 |
| M3 | | .175 | 3 | | . | 1.000 | | 3 | | 1.000 |
| M4 | | .175 | 3 | | . | 1.000 | | 3 | | 1.000 |
| F1 | | M0 | | .175 | 3 | | . | 1.000 | | 3 | | 1.000 |
| M1 | | .219 | 3 | | . | .987 | | 3 | | .780 |
| M2 | | .292 | 3 | | . | .923 | | 3 | | .463 |
| M3 | | .253 | 3 | | . | .964 | | 3 | | .637 |
| M4 | | .253 | 3 | | . | .964 | | 3 | | .637 |
| F2 | | M0 | | .253 | 3 | | . | .964 | | 3 | | .637 |
| M1 | | .175 | 3 | | . | 1.000 | | 3 | | 1.000 |
| M2 | | .253 | 3 | | . | .964 | | 3 | | .637 |
| M3 | | .175 | 3 | | . | 1.000 | | 3 | | 1.000 |
| M4 | | .253 | 3 | | . | .964 | | 3 | | .637 |
| F3 | | M0 | | .175 | 3 | | . | 1.000 | | 3 | | 1.000 |
| M1 | | .175 | 3 | | . | 1.000 | | 3 | | 1.000 |
| M2 | | .253 | 3 | | . | .964 | | 3 | | .637 |
| M3 | | .253 | 3 | | . | .964 | | 3 | | .637 |
| M4 | | .175 | 3 | | . | 1.000 | | 3 | | 1.000 |
| a. Lilliefors Significance Correction | | | | | | | | | | | | |
| **Test of Homogeneity of Variances** | | | | | | | | | | | | |
|  | | Levene Statistic | | | df1 | | | df2 | | Sig. | | |
| F0 | | .453 | | | 4 | | | 10 | | .769 | | |
| F1 | | .784 | | | 4 | | | 10 | | .561 | | |
| F2 | | .421 | | | 4 | | | 10 | | .790 | | |
| F3 | | 1.341 | | | 4 | | | 10 | | .321 | | |

**Lampiran 21.** (Lanjutan)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ANOVA** | | | | | | |
|  | | Sum of Squares | Df | Mean Square | F | Sig. |
| F0 | Between Groups | 75.067 | 4 | 18.767 | 5.745 | .011 |
| Within Groups | 32.667 | 10 | 3.267 |  |  |
| Total | 107.733 | 14 |  |  |  |
| F1 | Between Groups | 58.267 | 4 | 14.567 | 9.500 | .002 |
| Within Groups | 15.333 | 10 | 1.533 |  |  |
| Total | 73.600 | 14 |  |  |  |
| F2 | Between Groups | 211.600 | 4 | 52.900 | 11.669 | .001 |
| Within Groups | 45.333 | 10 | 4.533 |  |  |
| Total | 256.933 | 14 |  |  |  |
| F3 | Between Groups | 159.333 | 4 | 39.833 | 22.130 | .000 |
| Within Groups | 18.000 | 10 | 1.800 |  |  |
| Total | 177.333 | 14 |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **F0** | | | |
| Duncana | | | |
| ELASTICITY | N | Subset for alpha = 0.05 | |
| 1 | 2 |
| M0 | 3 | 73.67 |  |
| M1 | 3 | 75.00 |  |
| M2 | 3 |  | 77.33 |
| M3 | 3 |  | 78.00 |
| M4 | 3 |  | 79.00 |
| Sig. |  | .217 | .146 |
| Means for groups in homogeneous subsets are displayed.  a. Uses Harmonic Mean Sample Size = 3.000. | | | |
|  | | | |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Lampiran 21.** (Lanjutan)  **F1** | | | | | | | | |
| Duncana | | | | | | | | |
| ELASTICITY | N | | Subset for alpha = 0.05 | | | | | |
| 1 | | 2 | | 3 | |
| M0 | 3 | | 77.00 | |  | |  | |
| M1 | 3 | | 79.33 | | 79.33 | |  | |
| M2 | 3 | |  | | 80.67 | | 80.67 | |
| M3 | 3 | |  | | 82.33 | | 82.33 | |
| M4 | 3 | |  | |  | | 83.33 | |
| Sig. |  | | .145 | | .081 | | .115 | |
| Means for groups in homogeneous subsets are displayed. | | | | | | | | |
| a. Uses Harmonic Mean Sample Size = 3.000. | | | | | | | | |
| **F2** | | | | | | | | | |
| Duncana | | | | | | | | | |
| ELASTICITY | | N | | Subset for alpha = 0.05 | | | | | |
| 1 | | 2 | | 3 | |
| M0 | | 3 | | 80.33 | |  | |  | |
| M1 | | 3 | | 82.00 | |  | |  | |
| M2 | | 3 | |  | | 84.67 | |  | |
| M3 | | 3 | |  | | 87.00 | | 87.00 | |
| M4 | | 3 | |  | |  | | 89.33 | |
| Sig. | |  | | .159 | | .059 | | .059 | |
| Means for groups in homogeneous subsets are displayed. | | | | | | | | | |
| a. Uses Harmonic Mean Sample Size = 3.000. | | | | | | | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **F3** | | | | | |
| Duncana | | | | | |
| ELASTICITY | N | Subset for alpha = 0.05 | | | |
| 1 | 2 | 3 | 4 |
| M0 | 3 | 83.00 |  |  |  |
| M1 | 3 |  | 87.00 |  |  |
| M2 | 3 |  | 88.33 | 88.33 |  |
| M3 | 3 |  |  | 91.33 | 91.33 |
| M4 | 3 |  |  |  | 94.00 |
| Sig. |  | 1.000 | .461 | .115 | .156 |
| Means for groups in homogeneous subsets are displayed.  a. Uses Harmonic Mean Sample Size = 3.000. | | | | | |

**Lampiran 21.** (Lanjutan)

1. Kecerahan (*pigment*)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Tests of Normality** | | | | | | | |
|  | PIGMENT | Kolmogorov-Smirnova | | | Shapiro-Wilk | | |
|  | Statistic | Df | Sig. | Statistic | df | Sig. |
| F0 | M0 | .175 | 3 | . | 1.000 | 3 | 1.000 |
| M1 | .175 | 3 | . | 1.000 | 3 | 1.000 |
| M2 | .253 | 3 | . | .964 | 3 | .637 |
| M3 | .175 | 3 | . | 1.000 | 3 | 1.000 |
| M4 | .385 | 3 | . | .750 | 3 | .000 |
| F1 | M0 | .314 | 3 | . | .893 | 3 | .363 |
| M1 | .175 | 3 | . | 1.000 | 3 | 1.000 |
| M2 | .253 | 3 | . | .964 | 3 | .637 |
| M3 | .253 | 3 | . | .964 | 3 | .637 |
| M4 | .175 | 3 | . | 1.000 | 3 | 1.000 |
| F2 | M0 | .253 | 3 | . | .964 | 3 | .637 |
| M1 | .175 | 3 | . | 1.000 | 3 | 1.000 |
| M2 | .253 | 3 | . | .964 | 3 | .637 |
| M3 | .175 | 3 | . | 1.000 | 3 | 1.000 |
| M4 | .175 | 3 | . | 1.000 | 3 | 1.000 |
| F3 | M0 | .253 | 3 | . | .964 | 3 | .637 |
| M1 | .175 | 3 | . | 1.000 | 3 | 1.000 |
| M2 | .253 | 3 | . | .964 | 3 | .637 |
| M3 | .175 | 3 | . | 1.000 | 3 | 1.000 |
| M4 | .175 | 3 | . | 1.000 | 3 | 1.000 |
| a. Lilliefors Significance Correction | | | | | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test of Homogeneity of Variances** | | | | |
|  | Levene Statistic | df1 | df2 | Sig. |
| F0 | .364 | 4 | 10 | .829 |
| F1 | .980 | 4 | 10 | .461 |
| F2 | .453 | 4 | 10 | .769 |
| F3 | .453 | 4 | 10 | .769 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Lampiran 21.** (Lanjutan)  **ANOVA** | | | | | | |
|  | | Sum of Squares | df | Mean Square | F | Sig. |
| F0 | Between Groups | 50.667 | 4 | 12.667 | 3.800 | .040 |
| Within Groups | 33.333 | 10 | 3.333 |  |  |
| Total | 84.000 | 14 |  |  |  |
| F1 | Between Groups | 23.067 | 4 | 5.767 | 4.325 | .027 |
| Within Groups | 13.333 | 10 | 1.333 |  |  |
| Total | 36.400 | 14 |  |  |  |
| F2 | Between Groups | 164.400 | 4 | 41.100 | 26.804 | .000 |
| Within Groups | 15.333 | 10 | 1.533 |  |  |
| Total | 179.733 | 14 |  |  |  |
| F3 | Between Groups | 298.267 | 4 | 74.567 | 48.630 | .000 |
| Within Groups | 15.333 | 10 | 1.533 |  |  |
| Total | 313.600 | 14 |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **F0** | | | |
| Duncana | | | |
| PIGMENT | N | Subset for alpha = 0.05 | |
| 1 | 2 |
| M0 | 3 | 64.00 |  |
| M1 | 3 | 66.00 | 66.00 |
| M2 | 3 |  | 66.33 |
| M3 | 3 |  | 67.00 |
| M4 | 3 |  | 67.67 |
| Sig. |  | .060 | .130 |
| Means for groups in homogeneous subsets are displayed.  a. Uses Harmonic Mean Sample Size = 3.000. | | | |
|  | | | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Lampiran 21.** (Lanjutan)  **F1** | | | | | | | | | | | | | | | |
| Duncana | | | | | | | | | | | | | | | |
| PIGMENT | | | N | | | Subset for alpha = 0.05 | | | | | | | | | |
| 1 | | | | | 2 | | | | |
| M0 | | | 3 | | | 71.00 | | | | |  | | | | |
| M1 | | | 3 | | | 73.00 | | | | | 73.00 | | | | |
| M2 | | | 3 | | | 74.33 | | | | | 74.33 | | | | |
| M3 | | | 3 | | |  | | | | | 75.67 | | | | |
| M4 | | | 3 | | |  | | | | | 76.00 | | | | |
| Sig. | | |  | | | .058 | | | | | .090 | | | | |
| Means for groups in homogeneous subsets are displayed.  a. Uses Harmonic Mean Sample Size = 3.000. | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | |
| **F2** | | | | | | | | | | | | | | |
| Duncana | | | | | | | | | | | | | | |
| PIGMENT | | N | | | Subset for alpha = 0.05 | | | | | | | | | |
| 1 | | | 2 | | 3 | | | 4 | |
| M0 | | 3 | | | 69.33 | | |  | |  | | |  | |
| M1 | | 3 | | |  | | | 72.00 | |  | | |  | |
| M2 | | 3 | | |  | | |  | | 74.33 | | |  | |
| M3 | | 3 | | |  | | |  | | 76.00 | | |  | |
| M4 | | 3 | | |  | | |  | |  | | | 79.00 | |
| Sig. | |  | | | 1.000 | | | 1.000 | | .130 | | | 1.000 | |
| Means for groups in homogeneous subsets are displayed. | | | | | | | | | | | | | | |
| a. Uses Harmonic Mean Sample Size = 3.000. | | | | | | | | | | | | | | |
| **F3** | | | | | | | | | | | | | |
| Duncana | | | | | | | | | | | | | |
| PIGMENT | N | | | Subset for alpha = 0.05 | | | | | | | | | |
| 1 | | | 2 | | 3 | | | 4 | |
| M0 | 3 | | | 71.67 | | |  | |  | | |  | |
| M1 | 3 | | |  | | | 78.00 | |  | | |  | |
| M2 | 3 | | |  | | |  | | 81.33 | | |  | |
| M3 | 3 | | |  | | |  | | 83.00 | | | 83.00 | |
| M4 | 3 | | |  | | |  | |  | | | 84.00 | |
| Sig. |  | | | 1.000 | | | 1.000 | | .130 | | | .346 | |
| Means for groups in homogeneous subsets are displayed. | | | | | | | | | | | | | |
| a. Uses Harmonic Mean Sample Size = 3.000. | | | | | | | | | | | | | |

**Lampiran 22.** Surat pernyataan sukarelawan uji iritasi

SURAT PERNYATAAN

Saya yang bertanda tangan dibawah ini:

Nama :

Umur :

Alamat :

Menyatakan bersedia untuk ikut berpartisipasi sebagai responden uji iritasi dalam penelitian yang dilakukan oleh Mahasiswi Universitas Muslim Nusantara Al-Washliyah, yang bernama Elvina, NPM 182114072 dengan judul “Formulasi dan Uji Efektivitas *Anti-Aging* Masker Gel *Peel-Off* dari Ekstrak Etanol Daun Kersen (*Muntingia Calabura* L.).” 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

Demikian surat pernyataan ini dibuat sebagai pernyataan bahwa tidak akan menuntut apabila terjadi hal-hal yang tidak diinginkan selama kegiatan ini berlangsung.

Medan, 2020

Responden

(...................................)

**Lampiran 23**. Surat pernyataan sukarelawan menggunakan masker gel peel-*off*

SURAT PERNYATAAN

Saya yang bertanda tangan di bawah ini:

Nama :

Umur :

Alamat :

Telah mendapat penjelasan secukupnya bahwa wajah saya akan digunakan sebagai daerah yang akan dianalisis. Setelah mendapat penjelasan secukupnya tentang manfaat penelitian ini maka saya menyatakan setuju untuk ikut serta dalam penelitian dari Elvina dengan judul “Formulasi dan Uji Efektivitas *Anti-Aging* Masker Gel *Peel-Off* dari Ekstrak Etanol Daun Kersen (*Muntingia Calabura* L.).” sebagai usaha untuk mengetahui apakah sediaan masker gel *peel-off* yang dihasilkan mampu memberikan efek *anti aging*. Saya menyatakan sukarela dan bersedian untuk mengikuti prosedur penelitian yang telah ditetapkan

Persetujuan ini saya buat dengan penuh kesadaran dan tanpa paksaan dari pihak manapun. Demikian surat pernyataan ini dibuat untuk dapat dipergunakan sebagaimana mestinya.

Peneliti, Sukarelawan,

(Nama Peneliti) (Nama Sukarelawan)