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## LAMPIRAN

### Lampiran. 1 Perhitungan Formula dan Dokumentasi Masker *Peel Off* dari minyak biji anggur (*vitis vinifera*)

1. Perhitungan formula A masker dari minyak biji anggur (*vitis vinifera*)

$$\text{Minyak biji anggur} = \frac{2}{100} \times 100 = 2\text{g}$$

$$\text{PVA} = \frac{10}{100} \times 100 = 10\text{g}$$

$$\text{Na CMC} = \frac{1,5}{100} \times 100 = 1,5\text{g}$$

$$\text{Propilenglikol} = \frac{10}{100} \times 100 = 10\text{g}$$

$$\text{Metil paraben} = \frac{0,18}{100} \times 100 = 0,18\text{g}$$

$$\text{Propil paraben} = \frac{0,02}{100} \times 100 = 0,02\text{g}$$

$$\text{Etanol} = \frac{10}{100} \times 100 = 10\text{g}$$

$$\text{Aquades} = \text{Add } 100$$

2. Perhitungan formula B masker dari minyak biji anggur (*vitis vinifera*)

$$\text{Minyak biji anggur} = \frac{2}{100} \times 100 = 2\text{g}$$

$$\text{PVA} = \frac{12,5}{100} \times 100 = 12,5\text{g}$$

$$\text{Na CMC} = \frac{1,5}{100} \times 100 = 1,5\text{g}$$

$$\text{Propilenglikol} = \frac{10}{100} \times 100 = 10\text{g}$$

$$\text{Metil paraben} = \frac{0,18}{100} \times 100 = 0,18\text{g}$$

$$\text{Propil paraben} = \frac{0,02}{100} \times 100 = 0,02\text{g}$$

$$\text{Etanol} = \frac{10}{100} \times 100 = 10\text{g}$$

$$\text{Aquades} = \text{Add } 100$$


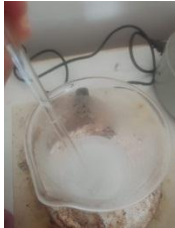


3. Perhitungan formula C masker dari minyak biji anggur (*vitis vinifera*)

$$\text{Minyak biji anggur} = \frac{2}{100} \times 100 = 2\text{g}$$

$$\text{PVA} = \frac{15}{100} \times 100 = 15\text{g}$$

$$\begin{aligned} \text{Na CMC} &= \frac{1,5}{100} \times 100 = 1,5\text{g} \\ \text{Propilenglikol} &= \frac{10}{100} \times 100 = 10\text{g} \\ \text{Metil paraben} &= \frac{0,18}{100} \times 100 = 0,18\text{g} \\ \text{Propil paraben} &= \frac{0,02}{100} \times 100 = 0,02\text{g} \\ \text{Etanol} &= \frac{10}{100} \times 100 = 10\text{g} \\ \text{Aquades} &= \text{Add } 100 \end{aligned}$$

4. Dokumentasi pembuatan formula masker dari minyak biji anggur (*vitis vinifera*)

| No | Keterangan   | Dokumentasi   |
|----|--|---|
| 1  | Menimbang semua bahan  |   |
| 2  | Mengembangkan PVA dalam aquades panas sebanyak 4 kali berat PVA        |  |
| 3  | Mengembangkan Na CMC dalam aquades panas sebanyak 20 kali berat Na CMC |  |
| 4  | Melarutkan metil paraben dalam aquades panas                           |  |

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5 Mencampurkan masa 1 dengan masa 2  
aduk sampai homogen lalu menambahkan  
masa 3 gerus sampai homogen



6 Menambahkan propilenglikol gerus sampai  
homogen



7 Melarutkan propil paraben dengan etanol  
lalu menambahkan kedalam campuran  
diatas gerus sampai homogen



8 Menambahkan minyak biji anggur gerus  
sampai homogen



**Lampiran. 2 Uji Organoleptis**

**Formula A**




**Formula B**



**Formula C**



### Lampiran. 3 Uji pH

| No | Keterangan  | Dokumentasi   |
|----|---|---|
| 1  | Diukur pH masker gel <i>peel off</i> menggunakan pH meter |  |

| Replikasi | pH     |        |        |
|-----------|--------|--------|--------|
|           | FA     | FB     | FC     |
| 1         | 5,8    | 5,74   | 5,22   |
| 2         | 5,8    | 5,75   | 5,23   |
| 3         | 5,85   | 5,75   | 5,25   |
| Rata-rata | 5,81   | 5,47   | 5,23   |
| ±SD       | ±0,028 | ±0,005 | ±0,015 |

#### Tests of Normality

|    | Kolmogorov-Smirnov <sup>a</sup> |    |      | Shapiro-Wilk |    |      |
|----|---------------------------------|----|------|--------------|----|------|
|    | Statistic                       | df | Sig. | Statistic    | df | Sig. |
| pH | ,345                            | 3  | .    | ,839         | 3  | ,210 |

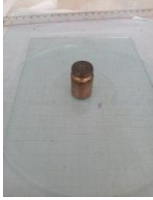


a. Lilliefors Significance Correction

#### One-Sample Test

|    | Test Value = 5 |    |                 |                 |   |         |
|----|----------------|----|-----------------|-----------------|---|---------|
|    | t              | df | Sig. (2-tailed) | Mean Difference | 95% Confidence Interval of the Difference |         |
|    |                |    |                 |                 | Lower                                     | Upper   |
| pH | 3,256          | 2  | ,083            | ,598333         | -,19241                                   | 1,38908 |



**Lampiran. 4 Uji Daya Sebar dan SPSS**

| No | Keterangan        | Dokumentasi  |
|----|-------------------|--|
| 1  | Diberi beban 50g  |   |
| 2  | Diberi beban 100g |   |
| 3  | Diberi beban 150g |  |

| Replikasi | Uji Daya Sebar (g/cm) |       |       |
|-----------|-----------------------|-------|-------|
|           | FA                    | FB    | FC    |
| 1         | 4,16                  | 4,16  | 4,16  |
| 2         | 8,5                   | 8,33  | 8,33  |
| 3         | 13,5                  | 13    | 12,75 |
| Rata-rata | 8,63                  | 8,49  | 8,41  |
| ±SD       | ±4,53                 | ±4,41 | ±4,29 |

Perhitungan:

Formula A

$$S = m \times \frac{l}{t}$$

$$50g = 50 \times \frac{5}{60}$$

$$= 4,16$$

$$100g = 100 \times \frac{5,1}{60}$$

$$= 8,5$$

$$150g = 150 \times \frac{5,3}{60}$$

$$= 13,25$$

Formula B

$$S = m \times \frac{l}{t}$$

$$50g = 50 \times \frac{5}{60}$$

$$= 4,16$$

$$100g = 100 \times \frac{5}{60}$$

$$= 8,33$$

$$150g = 150 \times \frac{5,2}{60}$$

$$= 13$$

Formula C

$$S = m \times \frac{l}{t}$$

$$50g = 50 \times \frac{5}{60}$$

$$= 4,16$$

$$100g = 100 \times \frac{5}{60}$$

$$= 8,33$$

$$150g = 150 \times \frac{5,1}{60}$$

$$= 12,75$$

**Tests of Normality**


|            | Kolmogorov-Smirnov <sup>a</sup> |    |      | Shapiro-Wilk |    |      |
|------------|---------------------------------|----|------|--------------|----|------|
|            | Statistic                       | df | Sig. | Statistic    | df | Sig. |
| Daya sebar | ,227                            | 3  | .    | ,983         | 3  | ,750 |

a. Lilliefors Significance Correction

**One-Sample Test**

|            | Test Value = 5 |    |                 |                    |  |        |
|------------|----------------|----|-----------------|--------------------|--|--------|
|            | t              | df | Sig. (2-tailed) | Mean<br>Difference | 95% Confidence Interval of<br>the Difference |        |
|            |                |    |                 |                    | Lower  | Upper  |
| Daya sebar | 56,044         | 2  | ,000            | 3,51607            | 3,2461                                       | 3,7860 |

**Lampiran. 5 Uji Daya Lekat dan SPSS**

| No | Keterangan  | Dokumentasi   |
|----|---|---|
| 1  | Timbang 0,5g kemudian lakukan uji pada daya lekat |  |

| No        | Daya lekat (Detik) |        |        |
|-----------|--------------------|--------|--------|
|           | FA                 | FB     | FC     |
| 1         | 2,78               | 4,64   | 6,53   |
| 2         | 2,35               | 4,44   | 6,23   |
| 3         | 2                  | 4,10   | 5,80   |
| Rata-rata | 2,37               | 4,39   | 6,21   |
| ±SD       | ±0,318             | ±0,222 | ±0,269 |

**Tests of Normality**


|            | Kolmogorov-Smirnov <sup>a</sup> |    |      | Shapiro-Wilk |    |      |
|------------|---------------------------------|----|------|--------------|----|------|
|            | Statistic                       | df | Sig. | Statistic    | df | Sig. |
| Daya lekat | ,181                            | 3  | .    | ,999         | 3  | ,942 |

a. Lilliefors Significance Correction

**One-Sample Test**

|            | Test Value = 1 |    |                 |                 |   |         |
|------------|----------------|----|-----------------|-----------------|---|---------|
|            | t              | df | Sig. (2-tailed) | Mean Difference | 95% Confidence Interval of the Difference |         |
|            |                |    |                 |                 | Lower                                     | Upper   |
| Daya lekat | 3,004          | 2  | ,095            | 3,326333        | -1,43792                                  | 8,09058 |

### Lampiran. 6 Uji Viskositas dan SPSS

| No | Keterangan  | Dokumentasi   |
|----|---|---|
| 1  | Sebanyak 100 gram sediaan dimasukkan kedalam beker glass 100 mL kemudian diukur viskositasnya |  |

| Replikasi | Viskositas (mPa.s) |       |          |
|-----------|--------------------|-------|----------|
|           | FA                 | FB    | FC       |
| 1         | 18960              | 19360 | 19380    |
| 2         | 18960              | 19360 | 19400    |
| 3         | 18960              | 19360 | 19400    |
| Rata-rata | 18960              | 19360 | 19393,33 |
| ±SD       | ±0                 | ±0    | ±0       |

#### Tests of Normality



|             | Kolmogorov-Smirnov <sup>a</sup> |    |      | Shapiro-Wilk |    |      |
|-------------|---------------------------------|----|------|--------------|----|------|
|             | Statistic                       | df | Sig. | Statistic    | df | Sig. |
| Viiskositas | ,361                            | 3  | .    | ,807         | 3  | ,132 |

a. Lilliefors Significance Correction

#### One-Sample Test

|             | Test Value = 4000 |    |                 |                 |   |          |
|-------------|-------------------|----|-----------------|-----------------|---|----------|
|             | t                 | df | Sig. (2-tailed) | Mean Difference | 95% Confidence Interval of the Difference |          |
|             |                   |    |                 |                 | Lower                                     | Upper    |
| Viiskositas | 109,450           | 2  | ,000            | 15237,778       | 14638,75                                  | 15836,80 |

### Lampiran. 7 Uji Waktu Mengering dan SPSS

| No | Keterangan        | Dokumentasi   |
|----|-------------------|---|
| 1  | Sediaan mengering |  |
| 2  | Sediaan dikelupas |  |

| Replikasi | Waktu sediaan mengering (Menit) |        |        |
|-----------|---------------------------------|--------|--------|
|           | FA                              | FB     | FC     |
| 1         | 14,80                           | 15,45  | 17,50  |
| 2         | 15                              | 15,60  | 17,96  |
| 3         | 15,10                           | 16     | 18     |
| Rata-rata | 14,96                           | 15,68  | 17,82  |
| ±SD       | ±0,124                          | ±0,232 | ±0,226 |

#### Tests of Normality

|                 | Kolmogorov-Smirnov <sup>a</sup> |    |      | Shapiro-Wilk |    |      |
|-----------------|---------------------------------|----|------|--------------|----|------|
|                 | Statistic                       | df | Sig. | Statistic    | df | Sig. |
| Waktu_Mengering | ,292                            | 3  | .    | ,924         | 3  | ,466 |

a. Lilliefors Significance Correction

**One-Sample Test**

|                     | Test Value = 15 |    |                 |                 |   |        |
|---------------------|-----------------|----|-----------------|-----------------|---|--------|
|                     | t               | df | Sig. (2-tailed) | Mean Difference | 95% Confidence Interval of the Difference |        |
|                     |                 |    |                 |                 | Lower                                     | Upper  |
| Waktu_Mengeri<br>ng | 1,349           | 2  | ,310            | 1,15633         | -2,5319                                   | 4,8446 |

**Lampiran. 8 Uji Hedonik dan Perhitungan****KUESIONER UJI HEDONIK**

Nama : Aris

Umur : 21 tahun

**Berilah tanda  $\checkmark$  pada tabel dibawah ini yang menurut anda sesuai dengan sediaan masker gel peel off**


| Spesifikasi        | FA |              |              | FB           |              |              | FC           |              |   |
|--------------------|----|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---|
|                    | 1  | 2            | 3            | 1            | 2            | 3            | 1            | 2            | 3 |
| Warna              |    | $\checkmark$ |              | $\checkmark$ |              |              |              | $\checkmark$ |   |
| Aroma              |    |              | $\checkmark$ |              | $\checkmark$ |              | $\checkmark$ |              |   |
| Tekstur            |    | $\checkmark$ |              | $\checkmark$ |              |              |              | $\checkmark$ |   |
| Sensasi<br>Dikulit |    | $\checkmark$ |              |              |              | $\checkmark$ | $\checkmark$ |              |   |

Keterangan:

1: Tidak Suka

2: Suka

3: Sangat Suka

| No | Keterangan                      | Dokumentasi   |
|----|---------------------------------|---|
| 1  | Dilakukan terhadap 21 responden |  |



**1. Formula 1**

$$P \left( \bar{X} - \left( \frac{1,96 \cdot S}{\sqrt{n}} \right) \right) \leq \mu \leq \left( \bar{X} + \left( \frac{1,96 \cdot S}{\sqrt{n}} \right) \right)$$

$$P \left( 2,01 - \left( \frac{1,96 \cdot 0,15}{\sqrt{21}} \right) \right) \leq \mu \leq \left( 2,01 + \left( \frac{1,96 \cdot 0,15}{\sqrt{21}} \right) \right)$$

$$P \left( 2,01 - \left( \frac{0,29}{\sqrt{4,58}} \right) \right) \leq \mu \leq \left( 2,01 + \left( \frac{0,29}{\sqrt{4,58}} \right) \right)$$

$$P ( 2,01 - 0,06 ) \leq \mu \leq ( 2,01 + 0,06 )$$

$$P 1,95 \leq \mu \leq 2,07$$

2,0 (Suka)

**2. Formula 2**

$$P \left( \bar{X} - \left( \frac{1,96 \cdot S}{\sqrt{n}} \right) \right) \leq \mu \leq \left( \bar{X} + \left( \frac{1,96 \cdot S}{\sqrt{n}} \right) \right)$$

$$P \left( 2,14 - \left( \frac{1,96 \cdot 0,08}{\sqrt{21}} \right) \right) \leq \mu \leq \left( 2,14 + \left( \frac{1,96 \cdot 0,08}{\sqrt{21}} \right) \right)$$

$$P \left( 2,14 - \left( \frac{0,16}{\sqrt{4,58}} \right) \right) \leq \mu \leq \left( 2,14 + \left( \frac{0,16}{\sqrt{4,58}} \right) \right)$$

$$P ( 2,14 - 0,03 ) \leq \mu \leq ( 2,14 + 0,03 )$$

$$P 2,11 \leq \mu \leq 2,17$$

2,0 (Suka)

**3. Formula 3**

$$P \left( \bar{X} - \left( \frac{1,96 \cdot S}{\sqrt{n}} \right) \right) \leq \mu \leq \left( \bar{X} + \left( \frac{1,96 \cdot S}{\sqrt{n}} \right) \right)$$

$$P \left( 1,98 - \left( \frac{1,96 \cdot 0,17}{\sqrt{21}} \right) \right) \leq \mu \leq \left( 1,98 + \left( \frac{1,96 \cdot 0,17}{\sqrt{21}} \right) \right)$$

$$P \left( 1,98 - \left( \frac{0,33}{\sqrt{4,58}} \right) \right) \leq \mu \leq \left( 1,98 + \left( \frac{0,33}{\sqrt{4,58}} \right) \right)$$

$$P ( 1,98 - 0,07 ) \leq \mu \leq ( 1,98 + 0,07 )$$

$$P 1,91 \leq \mu \leq 2,05$$

2,0 (Suka)