**LAMPIRAN**

**Lampiran 1.** Hasil indentifikasi Sampel Minyak zaitun (*Olive oil*)



**Lampiran 2**. Bagan Alir Pembuatan Basis *Skin Balm*

Vaselin album

di masukkan dalam cawan porselin

di masukkan dalam cawan porselin

Cera alba

dileburkan diatas penangas air pada suhu 80̊ - 86̊ C sampai meleleh sempurna

dileburkan diatas penangas air pada suhu 80ͦ - 86ͦ C sampai meleleh sempurna

Massa ll

Massa l

dicampurkan massa ll yang telah meleleh ke dalam massa l hingga sampai homogen

Basis a

**Lampiran 3**. Bagan Alir Pembuatan Sediaan *Skin Balm* F0 (Blanko)

Cera alba

Vaselin album

di masukkan dalam cawan porselin

di masukkan dalam cawan porselin

dileburkan diatas penangas air pada suhu 80̊ - 86̊ C sampai meleleh sempurna

dileburkan diatas penangas air pada suhu 80ͦ - 86ͦ C sampai meleleh sempurna

Massa l

Massa ll

dicampurkan massa ll yang telah meleleh ke dalam massa l yang telah meleleh

Basis a

parafin liquidum ditambahkan sedikit demi sedikit kedalam basis a, aduk homogen

ditambahkan BHT dan Natrium metabisulfit, aduk homogen

ditambahkan parfum secukupnya, aduk homogen,masukkan dalam wadah

Sediaan *skin balm* blanko

**Lampiran 4**. Bagan Alir Pembuatan Sediaan *Skin Balm* F1 14%

Cera alba

Vaselin album

di masukkan dalam cawan porselin

di masukkan dalam cawan porselin

dileburkan diatas penangas air pada suhu 80̊ - 86̊ C sampai meleleh sempurna

dileburkan diatas penangas air pada suhu 80ͦ - 86ͦ C sampai meleleh sempurna

Massa l

Massa ll

dicampurkan massa ll yang telah meleleh ke dalam massa l yang telah meleleh

Basis a

minyak zaitun 14 g dan parafin liquidum ditambahkan sedikit demi sedikit kedalam basis a, aduk homogen

ditambahkan BHT dan Natrium metabisulfit, aduk homogen

ditambahkan parfum secukupnya, aduk homogen,masukkan dalam wadah

Sediaan *skin balm* F1(minyak zaitun ) 14%

**Lampiran 5**. Bagan Alir Pembuatan Sediaan Skin Balm F1 17%

Cera alba

Vaselin album

di masukkan dalam cawan porselin

di masukkan dalam cawan porselin

dileburkan diatas penangas air pada suhu 80ͦ - 86ͦ C sampai meleleh sempurna

dileburkan diatas penangas air pada suhu 80̊ - 86̊ C sampai meleleh sempurna

Massa l

Massa ll

dicampurkan massa ll yang telah meleleh ke dalam massa l yang telah meleleh

Basis a

minyak zaitun 17 g dan parafin liquidum ditambahkan sedikit demi sedikit kedalam basis a, aduk homogen

ditambahkan BHT dan Natrium metabisulfit, aduk homogen

ditambahkan parfum secukupnya, aduk homogen,masukkan dalam wadah

Sediaan *skin balm* F2(minyak zaitun ) 17%

**Lampiran 6.**Bagan Alir Pemeriksaan Organoleptis

Sediaan *Skin Balm* Minyak Zaitun

diamati bentuk, warna dan bau

Hasil

Uji organoleptis

F2

Bentuk sediaan

setengah padat, warna

kekuningan dan bau

baby powder

F1

Bentuk sediaan setengah

padat, warna krim

kekuningan dan bau

baby powder

F0

Bentuk sediaan setengah

padat, warna putih susu

dan bau baby powder

**Lampiran 7.** Bagan Alir Pemeriksaan Homogenitas

Sediaan *Skin Balm* Minyak Zaitun

diambil sediaan *skin balm* kemudian dioleskan pada sekeping objek glass.

Hasil uji homogen

F0: Homogen

F1: Homogen

F2: Homogen

**Lampiran 8.** Bagan Alir Pemeriksaan pH

Sediaan *Skin Balm* Minyak Zaitun

1g sediaan *skin balm* yang telah diencerkan dengan 10 mL aquadest

dilakukan 6 kali pengulangan

Hasil uji pH

F2: Hari ke-0 (5.3 ± 0.06), Hari ke-7 (5.6± 0.05), Hari ke-14 (5 ± 0.06), Hari ke-21(5.5 ± 0.05), Hari ke-28 (5.6 ± 0.10)

F1: Hari ke-0 (5.1 ± 0.00),

Hari ke-7 (5.1 ± 0.06),

Hari ke-14 (5.3 ± 0.05),

Hari ke-21 (5.4 ± 0.18),

Hari ke-28 (5.5 ± 0.05)

F0: Hari 0 (4.7± 0.08),

Hari ke-7 (5 ± 0.08), Harike-14 (5.4 ± 0.05), Hari ke-21 (5 ± 0.18), Hari ke-28 (5.5 ± 0.53)

**Lampiran 9.** Bagan Alir Pemeriksaan Daya Sebar

Sediaan *Skin Balm* Minyak Zaitun

0,5gram sediaan *skin balm* diletakkan ditengah cawan petri lalu kaca lainnya diletakkan diatasnya

tambahkan beban 100g dan didiamkan selama 1 menit

dkur diameter menggunakan penggaris

dilakukan 6 kali pengulangan

Hasil uji daya sebar

F2: Hari ke-0 (5.7 ± 0.17),

Hari ke-7 (5.9 ± 0.09),

Hari ke-14 (5.2 ± 0.08),

Hari ke-21 (5.5 ± 0.11),

Hari ke-28 (5.5 ± 0.15)

F1: Hari ke-0 (5.2 ± 0.29), Hari ke-7 (5.5 ± 0.13), Hari ke-14 (5.5 ± 0.17), Hari ke-21 (5.6 ± 0.32), Hari ke-28 (5.7 ± 0.17)

F0: Hari ke-0 (5.3 ± 0.12), Hari ke-7(5.5 ± 0.24), Hari ke-14 (5.4 ± 0.10), Hari ke-21 (5.8 ± 0.15), Hari ke-28 (5.8 ± 0.15)

**Lampiran 10.** Bagan Alir Pemeriksaan Iritasi

Sediaan *Skin Balm* Minyak Zaitun

dioleskan sediaan *skin balm* pada belakang telinga sukarelawan

dilakukan 3 kali pengulangan

Hasil Uji iritasi

F2:

Tidak terjadi iritasi alergi

F1:

Tidak terjadi iritasi alergi

F0:

Tidak terjadi iritasi alergi

**Lampiran 11.** Perhitungan Formula Sediaan *Skin Balm*

Formula 0 (blanko) sediaan tanpa minyak zaitun (*Olive oil*)

* Paraffin liquidum = = 20 g
* Cera alba = = 15 g
* BHT = = 0,1 g
* Natrium metabisulfit = = 0,1 g
* Vaselin album ad 100 = 100-(20+15+0,1+0,1)g = 64,8 g

Formula 1 yaitu sediaan menggunakan minyak zaitun (*Olive oil*) 14%

* Paraffin liquidum = = 20 g
* Cera alba = = 15 g
* BHT = = 0,1 g
* Natrium metabisulfit = = 0,1 g
* Minyak zaitun = = 14 g
* Vaselin album ad 100 = 100-(20+15+0,1+0,1+14)g = 50,8 g

Formula 1 yaitu sediaan menggunakan minyak zaitun (*Olive oil*) 14%

* Paraffin liquidum = = 20 g
* Cera alba = = 15 g
* BHT = = 0,1 g
* Natrium metabisulfit = = 0,1 g
* Minyak zaitun = = 17 g
* Vaselin album ad 100 = 100-(20+15+0,1+0,1+17)g = 47,8 g

**Lampiran 12.** Gambar bahan yang digunakan



Minyak Zaitun



Bahan



Parfum

**Lampiran 13.** Hasil Sediaan *Skin Balm* Minyak zaitun (*olive oil*)



F0

F1

F2

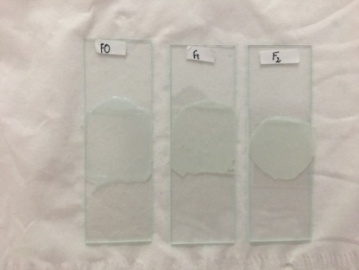
Keterangan: Formula 0 = Blanko (dasar *skin balm* tanpa minyak zaitun)

Formula 1 = Konsentrasi minyak zaitun 14%

Formula 2 = Konsentrasi minyak zaitun 17%

**Lampiran 14**. Hasil Uji Homogenitas

FO F1 F2



Keterangan: F0: Dasar *Skin balm* (Blanko)

F1: Minyak zaitun konsentrasi 14%

F2: Minyak zaitun konsentrasi 17%

**Lampiran 15**. Gambar Hasil Uji Organoleptis

F0 F1 F2

****

Keterangan: F0: Dasar *Skin balm* (Blanko)

F1: Minyak zaitun konsentrasi 14%

F2: Minyak zaitun konsentrasi 17%

**Lampiran 16.** Uji pH

F2

F1

FO

 ** **

Keterangan :Dilakukan uji pH selama 4 minggu sebanyak 6 kali pengulangan

F0 : Dasar *Skin balm* (Blanko)

F1 : Minyak zaitun konsentrasi 14%

F2 : Minyak zaitun konsentrasi 17%

**Lampiran 17.** Uji Daya Sebar

F1

F2

FO

Keterangan : Dilakukan uji daya sebar selama 4 minggu sebanyak 6 kali pengulangan

F0 : Dasar *Skin balm* (Blanko)

F1 : Minyak zaitun konsentrasi 14%

F2 : Minyak zaitun konsentrasi 17%

**Lampiran 18**. Hasil Uji Iritasi

Hasil Setelah Pemakaian Sediaan *Skin Balm*

F2 (17%)

F1 (14%)

Blanko

Keterangan:

F0: Dasar *Skin balm* (Blanko)

F1: Minyak zaitun konsentrasi 14%

F2: Minyak zaitun konsentrasi 17%

**Lampiran 19**. Gambar Hasil Uji Efektivitas kelembaban kulit

F0 (Blanko)

F2 (17%)

F1 (14%)



Minggu 0

Minggu 0

Minggu 0

1. Kondisi Awal Kelembaban *Xerosis* Tumit Kaki Sebelum Pemakaian Sedian *Skin Balm* Pada Minggu 0

  ****

Minggu 2

Minggu 2

Minggu 2

1. Kondisi Kelembaban *Xerosis* Tumit Kaki Setelah Pemakaian Sedian *Skin Balm* Selama 2 Minggu Adanya Sedikit Perubahan Kelembaban

Minggu 4

Minggu 4

Minggu 4

1. Kondisi Kelembaban *Xerosis* Tumit Kaki Setelah Pemakaian Sedian *Skin Balm* Selama 4 Minggu Adanya Perubahan Kelembaban

**Lampiran 20** Data SPSS Kelembaban Sediaan *Skin Balm* Minyak Zaitun (*Olive oil*) sukarelawan

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Tests of Normalityc,d** | | | | | | | |
|  | Sediaan | Kolmogorov-Smirnova | | | Shapiro-Wilk | | |
|  | Statistic | df | Sig. | Statistic | df | Sig. |
| Kondisiawal | F0 | ,222 | 6 | ,200\* | ,932 | 6 | ,597 |
| F1 | ,392 | 6 | ,004 | ,701 | 6 | ,006 |
| F2 | ,319 | 6 | ,056 | ,683 | 6 | ,004 |
| kelembaban7 | F0 | ,241 | 6 | ,200\* | ,866 | 6 | ,212 |
| F2 | ,392 | 6 | ,004 | ,701 | 6 | ,006 |
| kelembaban14 | F0 | ,184 | 6 | ,200\* | ,919 | 6 | ,500 |
| F1 | ,319 | 6 | ,056 | ,683 | 6 | ,004 |
| F2 | ,293 | 6 | ,117 | ,766 | 6 | ,029 |
| kelembaban21 | F0 | ,325 | 6 | ,047 | ,827 | 6 | ,101 |
| F1 | ,306 | 6 | ,083 | ,826 | 6 | ,100 |
| F2 | ,183 | 6 | ,200\* | ,960 | 6 | ,820 |
| kelembaban28 | F1 | ,281 | 6 | ,149 | ,836 | 6 | ,121 |
| F2 | ,212 | 6 | ,200\* | ,858 | 6 | ,183 |
| \*. This is a lower bound of the true significance. | | | | | | | |
| a. Lilliefors Significance Correction | | | | | | | |
| c. kelembaban 7 is constant when Sediaan = F1. It has been omitted. | | | | | | | |
| d. kelembaban 28 is constant when Sediaan = F0. It has been omitted. | | | | | | | |

Signifikan>0.05 Data terdistribusi Normal

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Descriptives** | | | | | | | | | |
|  | | N | Mean | Std. Deviation | Std. Error | 95% Confidence Interval for Mean | | Minimum | Maximum |
| Lower Bound | Upper Bound |
| Kondisiawal | F0 | 6 | 28,600 | 1,4142 | ,5774 | 27,116 | 30,084 | 27,0 | 31,0 |
| F1 | 6 | 29,500 | ,8367 | ,3416 | 28,622 | 30,378 | 29,0 | 31,0 |
| F2 | 6 | 30,500 | ,5477 | ,2236 | 29,925 | 31,075 | 30,0 | 31,0 |
| Total | 18 | 29,533 | 1,2329 | ,2906 | 28,920 | 30,146 | 27,0 | 31,0 |
| kelembaban7 | F0 | 6 | 30,700 | 1,0733 | ,4382 | 29,574 | 31,826 | 29,5 | 32,0 |
| F1 | 6 | 31,000 | ,0000 | ,0000 | 31,000 | 31,000 | 31,0 | 31,0 |
| F2 | 6 | 32,500 | ,8367 | ,3416 | 31,622 | 33,378 | 32,0 | 34,0 |
| Total | 18 | 31,400 | 1,0960 | ,2583 | 30,855 | 31,945 | 29,5 | 34,0 |
| kelembaban14 | F0 | 6 | 32,500 | 1,9277 | ,7870 | 30,477 | 34,523 | 30,3 | 35,0 |
| F1 | 6 | 37,500 | ,5477 | ,2236 | 36,925 | 38,075 | 37,0 | 38,0 |
| F2 | 6 | 40,600 | ,4899 | ,2000 | 40,086 | 41,114 | 40,0 | 41,0 |
| Total | 18 | 36,867 | 3,6114 | ,8512 | 35,071 | 38,663 | 30,3 | 41,0 |
| kelembaban21 | F0 | 6 | 33,500 | 1,2247 | ,5000 | 32,215 | 34,785 | 32,0 | 35,0 |
| F1 | 6 | 39,500 | ,5797 | ,2366 | 38,892 | 40,108 | 39,0 | 40,3 |
| F2 | 6 | 42,500 | 1,0488 | ,4282 | 41,399 | 43,601 | 41,0 | 44,0 |
| Total | 18 | 38,500 | 3,9607 | ,9335 | 36,530 | 40,470 | 32,0 | 44,0 |
| kelembaban28 | F0 | 6 | 34,000 | ,0000 | ,0000 | 34,000 | 34,000 | 34,0 | 34,0 |
| F1 | 6 | 40,800 | ,9011 | ,3679 | 39,854 | 41,746 | 40,0 | 42,0 |
| F2 | 6 | 44,833 | ,9973 | ,4072 | 43,787 | 45,880 | 43,8 | 46,0 |
| Total | 18 | 39,878 | 4,6575 | 1,0978 | 37,562 | 42,194 | 34,0 | 46,0 |
|  |  |  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ANOVA** | | | | | | |
|  | | Sum of Squares | df | Mean Square | F | Sig. |
| Kondisiawal | Between Groups | 10,840 | 2 | 5,420 | 5,420 | ,017 |
| Within Groups | 15,000 | 15 | 1,000 |  |  |
| Total | 25,840 | 17 |  |  |  |
| kelembaban7 | Between Groups | 11,160 | 2 | 5,580 | 9,039 | ,003 |
| Within Groups | 9,260 | 15 | ,617 |  |  |
| Total | 20,420 | 17 |  |  |  |
| kelembaban14 | Between Groups | 200,440 | 2 | 100,220 | 70,644 | ,000 |
| Within Groups | 21,280 | 15 | 1,419 |  |  |
| Total | 221,720 | 17 |  |  |  |
| kelembaban21 | Between Groups | 252,000 | 2 | 126,000 | 128,747 | ,000 |
| Within Groups | 14,680 | 15 | ,979 |  |  |
| Total | 266,680 | 17 |  |  |  |
| kelembaban28 | Between Groups | 359,738 | 2 | 179,869 | 298,675 | ,000 |
| Within Groups | 9,033 | 15 | ,602 |  |  |
| Total | 368,771 | 17 |  |  |  |

Signifikansi< 0.05 Ada pengaruh penambahan minyak terhadap kelembaban kulit, atau ada perbedaan kelembapan kulit terhadap perbedaan konsentrasi minyak

**Post Hoc Tests**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Multiple Comparisons** | | | | | | | |
| Tukey HSD | | | | | | | |
| Dependent Variable | (I) Sediaan | (J) Sediaan | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval | |
| Lower Bound | Upper Bound |
| Kondisiawal | F0 | F1 | -,9000 | ,5774 | ,293 | -2,400 | ,600 |
| F2 | -1,9000\* | ,5774 | ,013 | -3,400 | -,400 |
| F1 | F0 | ,9000 | ,5774 | ,293 | -,600 | 2,400 |
| F2 | -1,0000 | ,5774 | ,226 | -2,500 | ,500 |
| F2 | F0 | 1,9000\* | ,5774 | ,013 | ,400 | 3,400 |
| F1 | 1,0000 | ,5774 | ,226 | -,500 | 2,500 |
| kelembaban7 | F0 | F1 | -,3000 | ,4536 | ,789 | -1,478 | ,878 |
| F2 | -1,8000\* | ,4536 | ,003 | -2,978 | -,622 |
| F1 | F0 | ,3000 | ,4536 | ,789 | -,878 | 1,478 |
| F2 | -1,5000\* | ,4536 | ,013 | -2,678 | -,322 |
| F2 | F0 | 1,8000\* | ,4536 | ,003 | ,622 | 2,978 |
| F1 | 1,5000\* | ,4536 | ,013 | ,322 | 2,678 |
| kelembaban14 | F0 | F1 | -5,0000\* | ,6877 | ,000 | -6,786 | -3,214 |
| F2 | -8,1000\* | ,6877 | ,000 | -9,886 | -6,314 |
| F1 | F0 | 5,0000\* | ,6877 | ,000 | 3,214 | 6,786 |
| F2 | -3,1000\* | ,6877 | ,001 | -4,886 | -1,314 |
| F2 | F0 | 8,1000\* | ,6877 | ,000 | 6,314 | 9,886 |
| F1 | 3,1000\* | ,6877 | ,001 | 1,314 | 4,886 |
| kelembaban21 | F0 | F1 | -6,0000\* | ,5712 | ,000 | -7,484 | -4,516 |
| F2 | -9,0000\* | ,5712 | ,000 | -10,484 | -7,516 |
| F1 | F0 | 6,0000\* | ,5712 | ,000 | 4,516 | 7,484 |
| F2 | -3,0000\* | ,5712 | ,000 | -4,484 | -1,516 |
| F2 | F0 | 9,0000\* | ,5712 | ,000 | 7,516 | 10,484 |
| F1 | 3,0000\* | ,5712 | ,000 | 1,516 | 4,484 |
| kelembaban28 | F0 | F1 | -6,8000\* | ,4480 | ,000 | -7,964 | -5,636 |
| F2 | -10,8333\* | ,4480 | ,000 | -11,997 | -9,670 |
| F1 | F0 | 6,8000\* | ,4480 | ,000 | 5,636 | 7,964 |
| F2 | -4,0333\* | ,4480 | ,000 | -5,197 | -2,870 |
| F2 | F0 | 10,8333\* | ,4480 | ,000 | 9,670 | 11,997 |
| F1 | 4,0333\* | ,4480 | ,000 | 2,870 | 5,197 |
| \*. The mean difference is significant at the 0.05 level. | | | | | | | |

**Homogeneous Subsets**

|  |  |  |  |
| --- | --- | --- | --- |
| **Kondisi awal** | | | |
| Tukey HSDa | | | |
| Sediaan | N | Subset for alpha = 0.05 | |
| 1 | 2 |
| F0 | 6 | 28,600 |  |
| F1 | 6 | 29,500 | 29,500 |
| F2 | 6 |  | 30,500 |
| Sig. |  | ,293 | ,226 |
| Means for groups in homogeneous subsets are displayed. | | | |
| a. Uses Harmonic Mean Sample Size = 6,000. | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Kelembaban hari ke-7** | | | |
| Tukey HSDa | | | |
| Sediaan | N | Subset for alpha = 0.05 | |
| 1 | 2 |
| F0 | 6 | 30,700 |  |
| F1 | 6 | 31,000 |  |
| F2 | 6 |  | 32,500 |
| Sig. |  | ,789 | 1,000 |
| Means for groups in homogeneous subsets are displayed. | | | |
| a. Uses Harmonic Mean Sample Size = 6,000. | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Kelembaban hari ke-14** | | | | |
| Tukey HSDa | | | | |
| Sediaan | N | Subset for alpha = 0.05 | | |
| 1 | 2 | 3 |
| F0 | 6 | 32,500 |  |  |
| F1 | 6 |  | 37,500 |  |
| F2 | 6 |  |  | 40,600 |
| Sig. |  | 1,000 | 1,000 | 1,000 |
| Means for groups in homogeneous subsets are displayed. | | | | |
| a. Uses Harmonic Mean Sample Size = 6,000. | | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Kelembaban hari ke-21** | | | | |
| Tukey HSDa | | | | |
| Sediaan | N | Subset for alpha = 0.05 | | |
| 1 | 2 | 3 |
| F0 | 6 | 33,500 |  |  |
| F1 | 6 |  | 39,500 |  |
| F2 | 6 |  |  | 42,500 |
| Sig. |  | 1,000 | 1,000 | 1,000 |
| Means for groups in homogeneous subsets are displayed. | | | | |
| a. Uses Harmonic Mean Sample Size = 6,000. | | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Kelembaban hari ke-28** | | | | |
| Tukey HSDa | | | | |
| Sediaan | N | Subset for alpha = 0.05 | | |
| 1 | 2 | 3 |
| F0 | 6 | 34,000 |  |  |
| F1 | 6 |  | 40,800 |  |
| F2 | 6 |  |  | 44,833 |
| Sig. |  | 1,000 | 1,000 | 1,000 |
| Means for groups in homogeneous subsets are displayed. | | | | |
| a. Uses Harmonic Mean Sample Size = 6,000. | | | | |