**Lampiran 14.** Data dan Perhitungan Rentang Kesukaan Warna Secara Organoleptis Terhadap Berbagai Formula *Gel Luka Bakar*

Hasil Uji Kesukaan Warna Formula 0

|  |  |
| --- | --- |
| Panelis   | Hasil Uji Kesukaan Warna pada Sukarelawan |
| Kode | Nilai Kesukaan (X) | (Xi-X̅) | (Xi-X̅)2 |
| 1 | KS | 3 | -0.85 | 0.72 |
| 2 | KS | 3 | -0.85 | 0.72 |
| 3 | KS | 3 | -0.85 | 0.72 |
| 4 | KS | 3 | -0.85 | 0.72 |
| 5 | KS | 3 | -0.85 | 0.72 |
| 6 | KS | 3 | -0.85 | 0.72 |
| 7 | S | 4 | 0.15 | 0.02 |
| 8 | S | 4 | 0.15 | 0.02 |
| 9 | S | 4 | 0.15 | 0.02 |
| 10 | S | 4 | 0.15 | 0.02 |
| 11 | S | 4 | 0.15 | 0.02 |
| 12 | S | 4 | 0.15 | 0.02 |
| 13 | S | 4 | 0.15 | 0.02 |
| 14 | S | 4 | 0.15 | 0.02 |
| 15 | S | 4 | 0.15 | 0.02 |
| 16 | S | 4 | 0.15 | 0.02 |
| 17 | S | 4 | 0.15 | 0.02 |
| 18 | SS | 5 | 1.15 | 1.32 |
| 19 | SS | 5 | 1.15 | 1.32 |
| 20 | SS | 5 | 1.15 | 1.32 |
|  Nilai kesukaan rata-rata (X̅) = 3.85 |  Nilai total (Xi-X̅)2 = 8.55 |

Standar deviasi (SD) =$\sqrt{\frac{\sum\_{}^{}(Xi-X̅)^{2}}{n-1}}$

Standar deviasi (SD) = $\sqrt{\frac{8,55}{20-1} }$= 0,6708

Rentang nilai kesukaan warna dari sediaan formulasi 0 *Gel Luka Bakar*

= Nilai rata-rata (X̅) - 0,6708 ≥ µ≤ Nilai rata-rata (X̅) + 0,6708

= 3,85 - 0,6708 ≥ µ≤ 3,85 + 0,6708

= 3,1792 ≥ µ≤ 4,5208

**Lampiran 14.** (Lanjutan)

Hasil Uji Kesukaan Warna Formula I

|  |  |
| --- | --- |
| Panelis  | Hasil Uji Kesukaan Warna pada Sukarelawan |
| Kode | Nilai Kesukaan (X) | (Xi-X̅) | (Xi-X̅)2 |
| 1 | KS | 3 | -0.95 | 0.903 |
| 2 | KS | 3 | -0.95 | 0.903 |
| 3 | S | 4 | 0.05 | 0.002 |
| 4 | S | 4 | 0.05 | 0.002 |
| 5 | S | 4 | 0.05 | 0.002 |
| 6 | S | 4 | 0.05 | 0.002 |
| 7 | S | 4 | 0.05 | 0.002 |
| 8 | S | 4 | 0.05 | 0.002 |
| 9 | S | 4 | 0.05 | 0.002 |
| 10 | S | 4 | 0.05 | 0.002 |
| 11 | S | 4 | 0.05 | 0.002 |
| 12 | S | 4 | 0.05 | 0.002 |
| 13 | S | 4 | 0.05 | 0.002 |
| 14 | S | 4 | 0.05 | 0.002 |
| 15 | S | 4 | 0.05 | 0.002 |
| 16 | S | 4 | 0.05 | 0.002 |
| 17 | S | 4 | 0.05 | 0.002 |
| 18 | S | 4 | 0.05 | 0.002 |
| 19 | S | 4 | 0.05 | 0.002 |
| 20 | SS | 5 | 1.05 | 1.103 |
| Nilai kesukaan rata-rata (X̅) = 3.95 | Nilai total (Xi-X̅)2 = 2.95 |

Standar deviasi (SD) =$\sqrt{\frac{\sum\_{}^{}(Xi-X̅)^{2}}{n-1}}$

Standar deviasi (SD) = $\sqrt{\frac{2,95}{20-1} }$= 0,3940

Rentang nilai kesukaan warna dari sediaan formulasi 1 *Gel Luka Bakar*

= Nilai rata-rata (X̅) - 0,3940 ≥ µ≤ Nilai rata-rata (X̅) + 0,3940

= 3,95 - 0,3940 ≥ µ≤ 3,95 + 0,3940

= 3,556 ≥ µ≤ 4,344

**Lampiran 14**. (lanjutan)

Hasil Uji kesukaan Warna Formula 2

|  |  |
| --- | --- |
| Panelis  | Hasil Uji Kesukaan Warna pada Sukarelawan |
| Kode | Nilai Kesukaan (X) | (Xi- X̅) | (Xi- X̅)2 |
| 1 | KS | 3 | -1.45 | 2.10 |
| 2 | KS | 3 | -1.45 | 2.10 |
| 3 | S | 4 | -0.45 | 0.20 |
| 4 | S | 4 | -0.45 | 0.20 |
| 5 | S | 4 | -0.45 | 0.20 |
| 6 | S | 4 | -0.45 | 0.20 |
| 7 | S | 4 | -0.45 | 0.20 |
| 8 | S | 4 | -0.45 | 0.20 |
| 9 | S | 4 | -0.45 | 0.20 |
| 10 | SS | 5 | 0.55 | 0.30 |
| 11 | SS | 5 | 0.55 | 0.30 |
| 12 | SS | 5 | 0.55 | 0.30 |
| 13 | SS | 5 | 0.55 | 0.30 |
| 14 | SS | 5 | 0.55 | 0.30 |
| 15 | SS | 5 | 0.55 | 0.30 |
| 16 | SS | 5 | 0.55 | 0.30 |
| 17 | SS | 5 | 0.55 | 0.30 |
| 18 | SS | 5 | 0.55 | 0.30 |
| 19 | SS | 5 | 0.55 | 0.30 |
| 20 | SS | 5 | 0.55 | 0.30 |
| Nilai kesukaan rata-rata (X̅) = 4.45 | Nilai total (Xi-X̅)2 = 8.95 |

Standar deviasi (SD) =$\sqrt{\frac{\sum\_{}^{}(Xi-X̅)^{2}}{n-1}}$

Standar deviasi (SD) = $\sqrt{\frac{8,95}{20-1} }$= 0,6863

Rentang nilai kesukaan warna dari sediaan formulasi 2 *Gel Luka Bakar*

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

= 4,45- 0,6863 ≥ µ≤ 4,45 + 0,6863

= 3,556 ≥ µ≤ 5,1363

**Lampiran 14**. (lanjutan)

Hasil Uji kesukaan Warna Formula 3

|  |  |
| --- | --- |
| Panelis  | Hasil Uji Kesukaan Warna pada Sukarelawan |
| Kode | Nilai Kesukaan (X) | (Xi- X̅) | (Xi- X̅)2 |
| 1 | KS | 3 | -0.75 | 0.56 |
| 2 | KS | 3 | -0.75 | 0.56 |
| 3 | KS | 3 | -0.75 | 0.56 |
| 4 | KS | 3 | -0.75 | 0.56 |
| 5 | KS | 3 | -0.75 | 0.56 |
| 6 | KS | 3 | -0.75 | 0.56 |
| 7 | KS | 3 | -0.75 | 0.56 |
| 8 | S | 4 | 0.25 | 0.06 |
| 9 | S | 4 | 0.25 | 0.06 |
| 10 | S | 4 | 0.25 | 0.06 |
| 11 | S | 4 | 0.25 | 0.06 |
| 12 | S | 4 | 0.25 | 0.06 |
| 13 | S | 4 | 0.25 | 0.06 |
| 14 | S | 4 | 0.25 | 0.06 |
| 15 | S | 4 | 0.25 | 0.06 |
| 16 | S | 4 | 0.25 | 0.06 |
| 17 | S | 4 | 0.25 | 0.06 |
| 18 | S | 4 | 0.25 | 0.06 |
| 19 | SS | 5 | 1.25 | 1.56 |
| 20 | SS | 5 | 1.25 | 1.56 |
| Nilai kesukaan rata-rata (X̅) = 3.75 | Nilai total (Xi-X̅)2 = 7.75 |

Standar deviasi (SD) =$\sqrt{\frac{\sum\_{}^{}(Xi-X̅)^{2}}{n-1}}$

Standar deviasi (SD) = $\sqrt{\frac{7,75}{20-1} }$= 0,6386

Rentang nilai kesukaan warna dari sediaan formulasi 2 *Gel Luka Bakar*

= Nilai rata-rata (X̅) - 0,6386 ≥ µ≤ Nilai rata-rata (X̅) + 0,6386

= 3.75 - 0,6386 ≥ µ≤ 3,75 + 0,6386

= 3,1114 ≥ µ≤ 4,3886

**Lampiran 15.** Data dan Perhitungan Rentang Kesukaan Bau Secara Organoleptis Terhadap Berbagai Formula *Gel Luka Bakar*

Hasil Uji Kesukaan Bau Formula 0

|  |  |
| --- | --- |
| Panelis | Hasil Uji Kesukaan Warna pada Sukarelawan |
| Kode | Nilai Kesukaan (X) | (Xi- X̅) | (Xi- X̅)2 |
| 1 | TS | 2 | -1.3 | 1.69 |
| 2 | TS | 2 | -1.3 | 1.69 |
| 3 | TS | 2 | -1.3 | 1.69 |
| 4 | KS | 3 | -0.3 | 0.09 |
| 5 | KS | 3 | -0.3 | 0.09 |
| 6 | KS | 3 | -0.3 | 0.09 |
| 7 | KS | 3 | -0.3 | 0.09 |
| 8 | KS | 3 | -0.3 | 0.09 |
| 9 | KS | 3 | -0.3 | 0.09 |
| 10 | KS | 3 | -0.3 | 0.09 |
| 11 | KS | 3 | -0.3 | 0.09 |
| 12 | KS | 3 | -0.3 | 0.09 |
| 13 | KS | 3 | -0.3 | 0.09 |
| 14 | KS | 3 | -0.3 | 0.09 |
| 15 | S | 4 | 0.7 | 0.49 |
| 16 | S | 4 | 0.7 | 0.49 |
| 17 | S | 4 | 0.7 | 0.49 |
| 18 | SS | 5 | 1.7 | 2.89 |
| 19 | SS | 5 | 1.7 | 2.89 |
| 20 | SS | 5 | 1.7 | 2.89 |
| Nilai kesukaan rata-rata (X̅) = 3.3 | Nilai total (Xi-X̅)2 = 16.20 |

Standar deviasi (SD) =$\sqrt{\frac{\sum\_{}^{}(Xi-X̅)^{2}}{n-1}}$

Standar deviasi (SD) = $\sqrt{\frac{16,20}{20-1} }$= 0,9233

Rentang nilai kesukaan bau dari sediaan formulasi 2 *Gel Luka Bakar*

= Nilai rata-rata (X̅) - 0,9233 ≥ µ≤ Nilai rata-rata (X̅) + 0,9233

= 3,3 - 0,9233 ≥ µ≤ 3,3 + 0,9233

= 2,3767 ≥ µ≤ 4,2233

**Lampiran 15**. (Lanjutan)

Hasil Uji Kesukaan Bau Formula 1

|  |  |
| --- | --- |
| Panelis | Hasil Uji Kesukaan Warna pada Sukarelawan |
| Kode | Nilai Kesukaan (X) | (Xi- X̅) | (Xi- X̅)2 |
| 1 | TS | 2 | -1.85 | 3.42 |
| 2 | TS | 2 | -1.85 | 3.42 |
| 3 | KS | 3 | -0.85 | 0.72 |
| 4 | KS | 3 | -0.85 | 0.72 |
| 5 | S | 4 | 0.15 | 0.02 |
| 6 | S | 4 | 0.15 | 0.02 |
| 7 | S | 4 | 0.15 | 0.02 |
| 8 | S | 4 | 0.15 | 0.02 |
| 9 | S | 4 | 0.15 | 0.02 |
| 10 | S | 4 | 0.15 | 0.02 |
| 11 | S | 4 | 0.15 | 0.02 |
| 12 | S | 4 | 0.15 | 0.02 |
| 13 | S | 4 | 0.15 | 0.02 |
| 14 | S | 4 | 0.15 | 0.02 |
| 15 | S | 4 | 0.15 | 0.02 |
| 16 | S | 4 | 0.15 | 0.02 |
| 17 | S | 4 | 0.15 | 0.02 |
| 18 | SS | 5 | 1.15 | 1.32 |
| 19 | SS | 5 | 1.15 | 1.32 |
| 20 | SS | 5 | 1.15 | 1.32 |
| Nilai kesukaan rata-rata (X̅) = 3.85 | Nilai total (Xi-X̅)2 = 12.55 |

Standar deviasi (SD) =$\sqrt{\frac{\sum\_{}^{}(Xi-X̅)^{2}}{n-1}}$

Standar deviasi (SD) = $\sqrt{\frac{12,55}{20-1} }$= 0,8127

Rentang nilai kesukaan bau dari sediaan formulasi 2 *Gel Luka Bakar*

= Nilai rata-rata (X̅) - 0,8127 ≥ µ≤ Nilai rata-rata (X̅) + 0,8127

= 3,85 - 0,8127 ≥ µ≤ 3,85 + 0,8127

= 3,0373 ≥ µ≤ 4,6627

**Lampiran 15**. (Lanjutan)

Hasil Uji Kesukaan Bau Formula 2

|  |  |
| --- | --- |
| Panelis | Hasil Uji Kesukaan Warna pada Sukarelawan |
| Kode | Nilai Kesukaan (X) | (Xi- X̅) | (Xi- X̅)2 |
| 1 | TS | 2 | -1.7 | 2.89 |
| 2 | TS | 2 | -1.7 | 2.89 |
| 3 | TS | 2 | -1.7 | 2.89 |
| 4 | TS | 2 | -1.7 | 2.89 |
| 5 | KS | 3 | -0.7 | 0.49 |
| 6 | KS | 3 | -0.7 | 0.49 |
| 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 | S | 4 | 0.3 | 0.09 |
| 14 | S | 4 | 0.3 | 0.09 |
| 15 | S | 4 | 0.3 | 0.09 |
| 16 | S | 4 | 0.3 | 0.09 |
| 17 | SS | 5 | 1.3 | 1.69 |
| 18 | SS | 5 | 1.3 | 1.69 |
| 19 | SS | 5 | 1.3 | 1.69 |
| 20 | SS | 5 | 1.3 | 1.69 |
| Nilai kesukaan rata-rata (X̅) = 3.7 | Nilai total (Xi-X̅)2 = 20.20 |

Standar deviasi (SD) =$\sqrt{\frac{\sum\_{}^{}(Xi-X̅)^{2}}{n-1}}$

Standar deviasi (SD) = $\sqrt{\frac{20,20}{20-1} }$= 1,0310

Rentang nilai kesukaan bau dari sediaan formulasi 2 *Gel Luka Bakar*

= Nilai rata-rata (X̅) - 1,0310 ≥ µ≤ Nilai rata-rata (X̅) + 1,0310

= 3,7 - 1,0310 ≥ µ≤ 3,7 + 1,0310

= 2,669 ≥ µ≤ 4,731

**Lampiran 15**. (Lanjutan)

Hasil Uji Kesukaan Bau Formula 3

|  |  |
| --- | --- |
| Panelis | Hasil Uji Kesukaan Warna pada Sukarelawan |
| Kode | Nilai Kesukaan (X) | (Xi- X̅) | (Xi- X̅)2 |
| 1 | TS | 2 | -1.3 | 1.69 |
| 2 | TS | 2 | -1.3 | 1.69 |
| 3 | TS | 2 | -1.3 | 1.69 |
| 4 | TS | 2 | -1.3 | 1.69 |
| 5 | TS | 2 | -1.3 | 1.69 |
| 6 | KS | 3 | -0.3 | 0.09 |
| 7 | KS | 3 | -0.3 | 0.09 |
| 8 | KS | 3 | -0.3 | 0.09 |
| 9 | KS | 3 | -0.3 | 0.09 |
| 10 | KS | 3 | -0.3 | 0.09 |
| 11 | KS | 3 | -0.3 | 0.09 |
| 12 | KS | 3 | -0.3 | 0.09 |
| 13 | S | 4 | 0.7 | 0.49 |
| 14 | S | 4 | 0.7 | 0.49 |
| 15 | S | 4 | 0.7 | 0.49 |
| 16 | S | 4 | 0.7 | 0.49 |
| 17 | S | 4 | 0.7 | 0.49 |
| 18 | SS | 5 | 1.7 | 2.89 |
| 19 | SS | 5 | 1.7 | 2.89 |
| 20 | SS | 5 | 1.7 | 2.89 |
| Nilai kesukaan rata-rata (X̅) = 3.3 | Nilai total (Xi-X̅)2 = 20.20 |

Standar deviasi (SD) =$\sqrt{\frac{\sum\_{}^{}(Xi-X̅)^{2}}{n-1}}$

Standar deviasi (SD) = $\sqrt{\frac{20,20}{20-1} }$= 1,0310

Rentang nilai kesukaan bau dari sediaan formulasi 2 *Gel Luka Bakar*

= Nilai rata-rata (X̅) - 1,0310 ≥ µ≤ Nilai rata-rata (X̅) + 1,0310

= 3,3 - 1,0310 ≥ µ≤ 3,3 + 1,0310

= 2,269 ≥ µ≤ 4,331

**Lampiran 16.** Data dan Perhitungan Rentang Kesukaan Bentuk Secara Organoleptis Terhadap Berbagai Formula *Gel Luka Bakar*

Hasil Uji Kesukaan Bentuk Formula 0

|  |  |
| --- | --- |
| Panelis | Hasil Uji Kesukaan Warna pada Sukarelawan |
| Kode | Nilai Kesukaan (X) | (Xi- X̅) | (Xi- X̅)2 |
| 1 | TS | 2 | -1.6 | 2.56 |
| 2 | TS | 2 | -1.6 | 2.56 |
| 3 | TS | 2 | -1.6 | 2.56 |
| 4 | KS | 3 | -0.6 | 0.36 |
| 5 | KS | 3 | -0.6 | 0.36 |
| 6 | KS | 3 | -0.6 | 0.36 |
| 7 | KS | 3 | -0.6 | 0.36 |
| 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 | S | 4 | 0.4 | 0.16 |
| 13 | S | 4 | 0.4 | 0.16 |
| 14 | S | 4 | 0.4 | 0.16 |
| 15 | S | 4 | 0.4 | 0.16 |
| 16 | S | 4 | 0.4 | 0.16 |
| 17 | S | 4 | 0.4 | 0.16 |
| 18 | S | 4 | 0.4 | 0.16 |
| 19 | SS | 5 | 1.4 | 1.96 |
| 20 | SS | 5 | 1.4 | 1.96 |
| Nilai kesukaan rata-rata (X̅) =3.6 | Nilai total (Xi-X̅)2 = 14.80 |

Standar deviasi (SD) =$\sqrt{\frac{\sum\_{}^{}(Xi-X̅)^{2}}{n-1}}$

Standar deviasi (SD) = $\sqrt{\frac{14,80}{20-1} }$= 0,8825

Rentang nilai kesukaan bentuk dari sediaan formulasi 2 *Gel Luka Bakar*

= Nilai rata-rata (X̅) - 0,8825 ≥ µ≤ Nilai rata-rata (X̅) + 0,8825

= 3,6 - 0,8825 ≥ µ≤ 3,6 + 0,8825

= 2,7175 ≥ µ≤ 4,4825

**Lampiran 16**. (Lanjutan)

Hasil Uji Kesukaan Bentuk Formula 1

|  |  |
| --- | --- |
| Panelis | Hasil Uji Kesukaan Warna pada Sukarelawan |
| Kode | Nilai Kesukaan (X) | (Xi- X̅) | (Xi- X̅)2 |
| 1 | TS | 2 | -2.1 | 4.41 |
| 2 | TS | 2 | -2.1 | 4.41 |
| 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 | SS | 5 | 0.9 | 0.81 |
| 14 | SS | 5 | 0.9 | 0.81 |
| 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 = 17.80 |

Standar deviasi (SD) =$\sqrt{\frac{\sum\_{}^{}(Xi-X̅)^{2}}{n-1}}$

Standar deviasi (SD) = $\sqrt{\frac{17,80}{20-1} }$= 0,9679

Rentang nilai kesukaan bentuk dari sediaan formulasi 2 *Gel Luka Bakar*

= Nilai rata-rata (X̅) - 0,9679 ≥ µ≤ Nilai rata-rata (X̅) + 0,9679

= 4,1 - 0,9679 ≥ µ≤ 4,1 + 0,9679

= 3,1321 ≥ µ≤ 5,0679

**Lampiran 16**. (Lanjutan)

Hasil Uji Kesukaan Bentuk 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 | KS | 3 | -1.4 | 1.96 |
| 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 | 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 = 8.80 |

Standar deviasi (SD) =$\sqrt{\frac{\sum\_{}^{}(Xi-X̅)^{2}}{n-1}}$

Standar deviasi (SD) = $\sqrt{\frac{8,80}{20-1} }$= 0,4631

Rentang nilai kesukaan bentuk dari sediaan formulasi 2 *Gel Luka Bakar*

= Nilai rata-rata (X̅) - 0,4631 ≥ µ≤ Nilai rata-rata (X̅) + 0,4631

= 4,4 - 0,4631 ≥ µ≤ 4,4 + 0,4631

= 3,9369 ≥ µ≤ 4,8631

**Lampiran 16**. (Lanjutan)

Hasil Uji Kesukaan Bentuk Formula 3

|  |  |
| --- | --- |
| Panelis | Hasil Uji Kesukaan Warna pada Sukarelawan |
| Kode | Nilai Kesukaan (X) | (Xi- X̅) | (Xi- X̅)2 |
| 1 | TS | 2 | -2.1 | 4.41 |
| 2 | TS | 2 | -2.1 | 4.41 |
| 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 | SS | 5 | 0.9 | 0.81 |
| 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 = 15.80 |

Standar deviasi (SD) =$\sqrt{\frac{\sum\_{}^{}(Xi-X̅)^{2}}{n-1}}$

Standar deviasi (SD) = $\sqrt{\frac{15,80}{20-1} }$= 0,9119

Rentang nilai kesukaan bentuk dari sediaan formulasi 2 *Gel Luka Bakar*

= Nilai rata-rata (X̅) - 0,9119 ≥ µ≤ Nilai rata-rata (X̅) + 0,9119

= 4,1 - 0,9119 ≥ µ≤ 4,1 + 0,9119

= 3,1881 ≥ µ≤ 5,0119

**Lampiran 17.** Data dan Perhitungan Rentang Kesukaan Mudah Dioleskan Secara Organoleptis Terhadap Berbagai Formula *Gel Luka Bakar*

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) =$\sqrt{\frac{\sum\_{}^{}(Xi-X̅)^{2}}{n-1}}$

Standar deviasi (SD) = $\sqrt{\frac{9,80}{20-1} }$= 0,7181

Rentang nilai kesukaan mudah dioleskan dari sediaan formulasi 2 *Gel Luka Bakar*

= 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 17**. (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) =$\sqrt{\frac{\sum\_{}^{}(Xi-X̅)^{2}}{n-1}}$

Standar deviasi (SD) = $\sqrt{\frac{8,20}{20-1} }$= 0,6569

Rentang nilai kesukaan mudah dioleskan dari sediaan formulasi 2 *Gel Luka Bakar*

= 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 17**. (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) =$\sqrt{\frac{\sum\_{}^{}(Xi-X̅)^{2}}{n-1}}$

Standar deviasi (SD) = $\sqrt{\frac{6,80}{20-1} }$= 0,5982

Rentang nilai kesukaan mudah dioleskan dari sediaan formulasi 2 *Gel Luka Bakar*

= 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 17**. (Lanjutan)

Hasil Uji Kesukaan Mudah Dioleskan Formula 3

|  |  |
| --- | --- |
| 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) =$\sqrt{\frac{\sum\_{}^{}(Xi-X̅)^{2}}{n-1}}$

Standar deviasi (SD) = $\sqrt{\frac{8,95}{20-1} }$= 0,6863

Rentang nilai kesukaan mudah dioleskan dari sediaan formulasi 2 *Gel Luka Bakar*

= 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