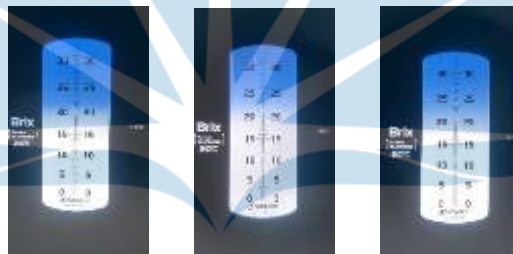




Gambar 18. Hasil Uji Kadar Serat Larut Es Krim Perlakuan F0



Gambar 19. Hasil Uji Kadar Protein Es Krim Perlakuan F0



Gambar 20. Hasil Uji Kadar Gula Sukrosa Es Krim Perlakuan F0

Lampiran 5. Analisis Kimia Es Krim Perlakuan F1



Gambar 21. Hasil Uji Total Padatan Es Krim Perlakuan F1



Gambar 22. Hasil Uji Kadar Lemak Es Krim Perlakuan F1



Gambar 23. Hasil Uji Kadar Serat Tidak Larut Es Krim Perlakuan F1



Gambar 24. Hasil Uji Kadar Serat Larut Es Krim Perlakuan F1



Gambar 25. Hasil Uji Kadar Protein Es Krim Perlakuan F1



Gambar 26. Hasil Uji Kadar Gula Sukrosa Es Krim Perlakuan F1

Lampiran 6. Analisis Kimia Es Krim Perlakuan F2



Gambar 27. Hasil Uji Total Padatan Es Krim Perlakuan F2



Gambar 28. Hasil Uji Kadar Lemak Es Krim Perlakuan F2



Gambar 29. Hasil Uji Kadar Serat Tidak Larut Es Krim Perlakuan F2



Gambar 30. Hasil Uji Kadar Serat Larut Es Krim Perlakuan F2



Gambar 31. Hasil Uji Kadar Protein Es Krim Perlakuan F2



Gambar 32. Hasil Uji Kadar Gula Sukrosa Es Krim Perlakuan F2

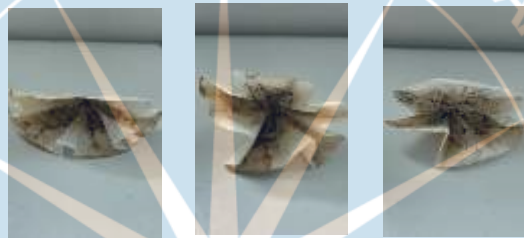
Lampiran 7. Analisis Kimia Es Krim Perlakuan F3



Gambar 33. Hasil Uji Total Padatan Es Krim Perlakuan F3



Gambar 34. Hasil Uji Kadar Lemak Es Krim Perlakuan F3



Gambar 35. Hasil Uji Kadar Serat Tidak Larut Es Krim Perlakuan F3



Gambar 36. Hasil Uji Kadar Serat Larut Es Krim Perlakuan F3



Gambar 37. Hasil Uji Kadar Protein Es Krim Perlakuan F3

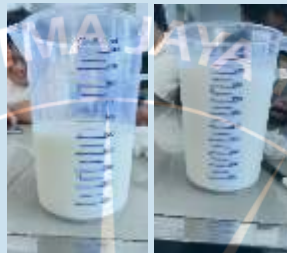


Gambar 38. Hasil Uji Kadar Gula Sukrosa Es Krim Perlakuan F3

Lampiran 8. Analisis *Overrun* Es Krim



Gambar 39. Hasil Uji *Overrun* Es Krim Perlakuan F0



Gambar 40. Hasil Uji *Overrun* Es Krim Perlakuan F1



Gambar 41. Hasil Uji *Overrun* Es Krim Perlakuan F2



Gambar 42. Hasil Uji *Overrun* Es Krim Perlakuan F3

Lampiran 9. Analisis *Melting Rate* Es Krim



Gambar 43. Hasil Uji *Melting Rate* Es Krim Perlakuan F0, Perlakuan F1, Perlakuan F2, dan Perlakuan F3

Lampiran 10. Analisis Mikrobiologi Es Krim



Gambar 44. Hasil Uji Angka Lempeng Total Es Krim Perlakuan F0



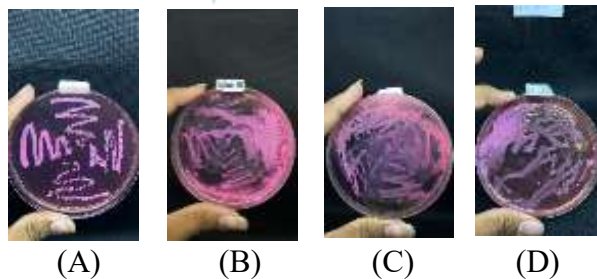
Gambar 45. Hasil Uji Angka Lempeng Total Es Krim Perlakuan F1



Gambar 46. Hasil Uji Angka Lempeng Total Es Krim Perlakuan F2



Gambar 47. Hasil Uji Angka Lempeng Total Es Krim Perlakuan F3



(A)

(B)

(C)

(D)

Gambar 48. Hasil Uji Salmonella Es Krim Perlakuan F0 (K), Perlakuan F1 (A), Perlakuan F2 (B), dan Perlakuan F3 (C)

Lampiran 11. Perhitungan Data Hasil Pengujian Bahan Bahan Baku dan Produk Es Krim

1. Perhitungan Total Padatan Ekstrak Tempe Koro Benguk

$$\begin{aligned}\text{Total Padatan} &= 100\% - \left(\frac{(W_0+W_1)-W_2}{W_0} \times 100\% \right) \\ \text{TP ETKB1} &= 100\% - \left(\frac{(3.018+10.440)-10.878}{3.018} \times 100\% \right) = 14.513\% \\ \text{TP ETKB2} &= 100\% - \left(\frac{(3.019+14.736)-15.148}{3.019} \times 100\% \right) = 13.647\% \\ \text{TP ETKB3} &= 100\% - \left(\frac{(3.017+17.493)-17.937}{3.017} \times 100\% \right) = 14.706\% \\ \text{Rata - Rata} &= \frac{14.513\% + 13.647\% + 14.706\%}{3} = 14.288\%\end{aligned}$$

2. Perhitungan Total Padatan Es Krim

- Es Krim Perlakuan F0

$$\begin{aligned}\text{TP1 F0} &= 100\% - \left(\frac{(4.186+14.392)-15.380}{4.186} \times 100\% \right) = 23.602\% \\ \text{TP2 F0} &= 100\% - \left(\frac{(4.058+17.464)-18.363}{4.058} \times 100\% \right) = 22.154\% \\ \text{TP3 F0} &= 100\% - \left(\frac{(4.264+15.852)-16.834}{4.264} \times 100\% \right) = 23.030\% \\ \text{Rata - Rata} &= \frac{23.602\% + 22.154\% + 23.030\%}{3} = 22.929\%\end{aligned}$$

- Es Krim Perlakuan F1

$$\begin{aligned}\text{TP1 F1} &= 100\% - \left(\frac{(5+15.505)-16.711}{5} \times 100\% \right) = 24.120\% \\ \text{TP2 F1} &= 100\% - \left(\frac{(5+10.419)-11.606}{5} \times 100\% \right) = 23.740\% \\ \text{TP3 F1} &= 100\% - \left(\frac{(5+14.707)-15.935}{5} \times 100\% \right) = 24.560\% \\ \text{Rata - Rata} &= \frac{24.120\% + 23.740\% + 24.560\%}{3} = 24.140\%\end{aligned}$$

- Es Krim Perlakuan F2

$$\begin{aligned}\text{TP1 F1} &= 100\% - \left(\frac{(4.3+17.349)-18.485}{4.3} \times 100\% \right) = 26.419\% \\ \text{TP2 F1} &= 100\% - \left(\frac{(4.3+19.626)-20.748}{4.3} \times 100\% \right) = 26.093\% \\ \text{TP3 F1} &= 100\% - \left(\frac{(4.3+115.067)-16.215}{4.3} \times 100\% \right) = 26.698\% \\ \text{Rata - Rata} &= \frac{26.419\% + 26.093\% + 26.698\%}{3} = 26.403\%\end{aligned}$$

- Es Krim Perlakuan F3

$$\begin{aligned}\text{TP1 F3} &= 100\% - \left(\frac{(3.380+17.360)-18.329}{3.380} \times 100\% \right) = 28.669\% \\ \text{TP2 F3} &= 100\% - \left(\frac{(3.505+149.627)-20.621}{3.505} \times 100\% \right) = 28.359\% \\ \text{TP3 F3} &= 100\% - \left(\frac{(3.455+15.459)-16.436}{3.455} \times 100\% \right) = 28.278\% \\ \text{Rata - Rata} &= \frac{28.669\% + 28.359\% + 28.278\%}{3} = 28.435\%\end{aligned}$$

3. Perhitungan Kadar Pektin Ekstrak Albedo Kulit Jeruk Bali

$$\text{Kadar Pektin (\%)} = \frac{\text{berat akhir (g)}}{\text{berat sampel awal (g)}} \times 100\%$$

$$\text{Pektin Albedo1} = \frac{(1.017 - 0.978)}{1} \times 100\% = 3.9\%$$

$$\text{Pektin Albedo2} = \frac{(1.009 - 0.971)}{1} \times 100\% = 3.8\%$$

$$\text{Pektin Albedo3} = \frac{(1.014 - 0.973)}{1} \times 100\% = 4.1\%$$

4. Perhitungan Kadar Lemak Ekstrak Tempe Koro Benguk

$$\text{Kadar Lemak (\%)} = \frac{W1 - W2}{\text{bobot sampel (g)}} \times 100\%$$

$$\text{Lemak ETKB1} = \frac{4.609 - 4.433}{3.006} \times 100\% = 5.788\%$$

$$\text{Lemak ETKB2} = \frac{3.140 - 3.022}{2.023} \times 100\% = 5.832\%$$

$$\text{Lemak ETKB3} = \frac{3.388 - 3.273}{2.018} \times 100\% = 5.698\%$$

$$\text{Rata - Rata} = \frac{5.788\% + 5.832\% + 5.698\%}{3} = 5.773\%$$

5. Perhitungan Kadar Lemak Es Krim

- Es Krim Perlakuan F0

$$\text{Lemak1 F0} = \frac{3.328 - 3.153}{2.171} \times 100\% = 8.061\%$$

$$\text{Lemak2 F0} = \frac{3.511 - 3.309}{2.455} \times 100\% = 8.228\%$$

$$\text{Lemak3 F0} = \frac{3.536 - 3.327}{2.619} \times 100\% = 7.980\%$$

$$\text{Rata - Rata} = \frac{8.061\% + 8.228\% + 7.980\%}{3} = 8.090\%$$

- Es Krim Perlakuan F1

$$\text{Lemak1 F1} = \frac{2.892 - 2.765}{1.504} \times 100\% = 8.444\%$$

$$\text{Lemak2 F1} = \frac{2.334 - 2.227}{1.266} \times 100\% = 8.452\%$$

$$\text{Lemak3 F1} = \frac{3.077 - 2.902}{2.084} \times 100\% = 8.397\%$$

$$\text{Rata - Rata} = \frac{8.444\% + 8.452\% + 8.397\%}{3} = 8.431\%$$

- Es Krim Perlakuan F2

$$\text{Lemak1 F2} = \frac{2.668 - 2.529}{1.579} \times 100\% = 8.803\%$$

$$\text{Lemak2 F2} = \frac{2.591 - 2.468}{1.412} \times 100\% = 8.711\%$$

$$\text{Lemak3 F2} = \frac{2.676 - 2.532}{1.654} \times 100\% = 8.706\%$$

$$\text{Rata - Rata} = \frac{8.803\% + 8.711\% + 8.706\%}{3} = 8.740\%$$

- Es Krim Perlakuan F3

$$\text{Lemak1 F3} = \frac{3.569 - 3.383}{2.061} \times 100\% = 9.025\%$$

$$\text{Lemak2 F3} = \frac{3.318 - 3.121}{2.156} \times 100\% = 9.137\%$$

$$\text{Lemak3 F3} = \frac{3.048 - 2.852}{2.168} \times 100\% = 9.041\%$$

$$\text{Rata - Rata} = \frac{9.025\% + 9.137\% + 9.041\%}{3} = 9.068\%$$

6. Perhitungan Kadar Serat Tidak Larut Bahan Baku

$$\text{Serat Tidak larut (\%)} = \frac{\text{berat akhir} - \text{berat awal}}{\text{berat sampel}} \times 100\%$$

- Ekstrak Tempe Koro Benguk

$$\text{STL ETKB1} = \frac{1.058 - 0.983}{1.024} \times 100\% = 7.324\%$$

$$\text{STL ETKB2} = \frac{1.062 - 0.975}{1.172} \times 100\% = 7.423\%$$

$$\text{STL ETKB3} = \frac{1.073 - 0.985}{1.145} \times 100\% = 7.686\%$$

$$\text{Rata - Rata} = \frac{7.324\% + 7.423\% + 7.686\%}{3} = 7.478\%$$

- Ekstrak Albedo Kulit Jeruk Bali

$$\text{STL Albedo1} = \frac{1.030 - 0.986}{1.132} \times 100\% = 3.887\%$$

$$\text{STL Albedo2} = \frac{1.013 - 0.970}{1.175} \times 100\% = 3.660\%$$

$$\text{STL Albedo3} = \frac{1.015 - 0.975}{1.186} \times 100\% = 3.373\%$$

$$\text{Rata - Rata} = \frac{3.887\% + 3.660\% + 3.373\%}{3} = 3.640\%$$

7. Perhitungan Kadar Serat Tidak Larut Es Krim

- Es Krim Perlakuan F0

$$\text{STL1 F0} = \frac{1.051 - 0.972}{1.049} \times 100\% = 7.531\%$$

$$\text{STL2 F0} = \frac{1.056 - 0.971}{1.086} \times 100\% = 7.827\%$$

$$\text{STL3 F0} = \frac{1.068 - 0.985}{1.071} \times 100\% = 7.750\%$$

$$\text{Rata - Rata} = \frac{7.531\% + 7.827\% + 7.750\%}{3} = 7.703\%$$

- Es Krim Perlakuan F1

$$\text{STL1 F1} = \frac{1.062 - 0.974}{1.092} \times 100\% = 8.059\%$$

$$\text{STL2 F1} = \frac{1.067 - 0.971}{1.183} \times 100\% = 8.115\%$$

$$\text{STL3 F1} = \frac{1.083 - 0.975}{1.307} \times 100\% = 8.263\%$$

$$\text{Rata - Rata} = \frac{8.059\% + 8.115\% + 8.263\%}{3} = 8.146\%$$

- Es Krim Perlakuan F2

$$\text{STL1 F2} = \frac{1.057 - 0.971}{1.034} \times 100\% = 8.317\%$$

$$\text{STL2 F2} = \frac{1.083 - 0.990}{1.103} \times 100\% = 8.432\%$$

$$\text{STL3 F2} = \frac{1.085 - 0.985}{1.172} \times 100\% = 8.532\%$$

$$\text{Rata - Rata} = \frac{8.317\% + 8.432\% + 8.532\%}{3} = 8.427\%$$

- Es Krim Perlakuan F3

$$\text{STL1 F3} = \frac{1.078 - 0.982}{1.118} \times 100\% = 8.587\%$$

$$\text{STL2 F3} = \frac{1.084 - 0.980}{1.187} \times 100\% = 8.762\%$$

$$\text{STL3 F3} = \frac{1.073 - 0.970}{1.132} \times 100\% = 9.099\%$$

$$\text{Rata - Rata} = \frac{8.587\% + 8.762\% + 9.099\%}{3} = 8.816\%$$

8. Perhitungan Kadar Serat Larut Bahan Baku

$$\text{Serat larut (\%)} = \frac{\text{berat akhir} - \text{berat awal} - \text{berat celite}}{\text{berat sampel}} \times 100\%$$

- Ekstrak Tempe Koro Benguk

$$\text{SSL ETKB1} = \frac{1.507 - 0.984 - 0.250}{1.024} \times 100\% = 26.660\%$$

$$\text{SSL ETKB2} = \frac{1.538 - 0.990 - 0.251}{1.172} \times 100\% = 25.341\%$$

$$\text{SSL ETKB3} = \frac{1.516 - 0.973 - 0.250}{1.145} \times 100\% = 25.590\%$$

$$\text{Rata - Rata} = \frac{26.660\% + 25.341\% + 25.590\%}{3} = 25.864\%$$

- Ekstrak Albedo Kulit Jeruk Bali

$$\text{SSL Albedo1} = \frac{1.287 - 0.984 - 0.251}{1.132} \times 100\% = 4.594\%$$

$$\text{SDL Albedo2} = \frac{1.292 - 0.990 - 0.255}{1.175} \times 100\% = 4.000\%$$

$$\text{SDL Albedo3} = \frac{1.281 - 0.973 - 0.253}{1.186} \times 100\% = 4.637\%$$

$$\text{Rata - Rata} = \frac{4.594\% + 4.000\% + 4.637\%}{3} = 4.410\%$$

9. Perhitungan Kadar Serat Larut Es Krim

- Es Krim Perlakuan F0

$$\text{SSL1 F0} = \frac{1.227 - 0.969 - 0.250}{1.049} \times 100\% = 0.763\%$$

$$\text{SSL2 F0} = \frac{1.245 - 0.984 - 0.251}{1.086} \times 100\% = 0.921\%$$

$$\text{SSL3 F0} = \frac{1.231 - 0.975 - 0.250}{1.071} \times 100\% = 0.560\%$$

$$\text{Rata - Rata} = \frac{0.763\% + 0.921\% + 0.560\%}{3} = 0.748\%$$

- Es Krim Perlakuan F1

$$\text{SSL1 F1} = \frac{1.228 - 0.960 - 0.250}{1.092} \times 100\% = 1.648\%$$

$$\text{SSL2 F1} = \frac{1.254 - 0.980 - 0.252}{1.183} \times 100\% = 1.860\%$$

$$\text{SSL3 F1} = \frac{1.252 - 0.977 - 0.252}{1.307} \times 100\% = 1.760\%$$

$$\text{Rata - Rata} = \frac{1.648\% + 1.860\% + 1.760\%}{3} = 1.756\%$$

- Es Krim Perlakuan F2

$$\text{SSL1 F2} = \frac{1.274 - 0.992 - 0.255}{1.053} \times 100\% = 2.564\%$$

$$\begin{aligned}\text{SSL2 F2} &= \frac{1.272 - 0.991 - 0.250}{1.103} \times 100\% = 2.811\% \\ \text{SSL3 F2} &= \frac{1.258 - 0.973 - 0.250}{1.172} \times 100\% = 2.986\% \\ \text{Rata - Rata} &= \frac{2.564\% + 2.811\% + 2.986\%}{3} = 2.787\%\end{aligned}$$

- Es Krim Perlakuan F3

$$\begin{aligned}\text{SSL1 F3} &= \frac{1.275 - 0.982 - 0.254}{1.118} \times 100\% = 3.488\% \\ \text{SSL2 F3} &= \frac{1.286 - 0.986 - 0.254}{1.190} \times 100\% = 3.866\% \\ \text{SSL3 F3} &= \frac{1.268 - 0.972 - 0.254}{1.032} \times 100\% = 4.070\% \\ \text{Rata - Rata} &= \frac{3.488\% + 3.866\% + 4.070\%}{3} = 3.808\%\end{aligned}$$

10. Perhitungan Kadar Protein Ekstrak Tempe Koro Benguk

$$\begin{aligned}P (\%) &= \frac{(\text{Vol titrasi} - V \text{ blanko}) \times N \text{ HCl} \times 14,007 \times 6,25}{1000 \times \text{berat sampel (g)}} \times 100\% \\ \text{Prot ETKB1} &= \frac{(7.57 - 0.47) \times 1 \times 14,007 \times 6,25}{1000 \times 1.024} \times 100\% = 6.070\% \\ \text{Prot ETKB2} &= \frac{(7.63 - 0.47) \times 1 \times 14,007 \times 6,25}{1000 \times 1.034} \times 100\% = 6.062\% \\ \text{Prot ETKB3} &= \frac{(7.52 - 0.47) \times 1 \times 14,007 \times 6,25}{1000 \times 1.027} \times 100\% = 6.010\% \\ \text{Rata - Rata} &= \frac{6.070\% + 6.062\% + 6.010\%}{3} = 6.047\%\end{aligned}$$

11. Perhitungan Kadar Protein Es Krim

- Es Krim Perlakuan F0

$$\begin{aligned}\text{Prot1 F0} &= \frac{(5.82 - 0.47) \times 1 \times 14,007 \times 6,25}{1000 \times 1.108} \times 100\% = 4.315\% \\ \text{Prot2 F0} &= \frac{(5.92 - 0.47) \times 1 \times 14,007 \times 6,25}{1000 \times 1.156} \times 100\% = 4.213\% \\ \text{Prot3 F0} &= \frac{(5.96 - 0.47) \times 1 \times 14,007 \times 6,25}{1000 \times 1.184} \times 100\% = 4.144\% \\ \text{Rata - Rata} &= \frac{4.315\% + 4.213\% + 4.144\%}{3} = 4.224\%\end{aligned}$$

- Es Krim Perlakuan F1

$$\begin{aligned}\text{Prot1 F1} &= \frac{(11.43 - 0.47) \times 1 \times 14,007 \times 6,25}{1000 \times 2} \times 100\% = 4.897\% \\ \text{Prot2 F1} &= \frac{(11.52 - 0.47) \times 1 \times 14,007 \times 6,25}{1000 \times 2} \times 100\% = 4.937\% \\ \text{Prot3 F1} &= \frac{(11.31 - 0.47) \times 1 \times 14,007 \times 6,25}{1000 \times 2} \times 100\% = 4.844\% \\ \text{Rata - Rata} &= \frac{4.897\% + 4.937\% + 4.844\%}{3} = 4.893\%\end{aligned}$$

- Es Krim Perlakuan F2

$$\begin{aligned}\text{Prot1 F2} &= \frac{(12.48 - 0.47) \times 1 \times 14,007 \times 6,25}{1000 \times 2} \times 100\% = 5.366\% \\ \text{Prot2 F2} &= \frac{(12.32 - 0.47) \times 1 \times 14,007 \times 6,25}{1000 \times 2} \times 100\% = 5.295\% \\ \text{Prot3 F2} &= \frac{(12.59 - 0.47) \times 1 \times 14,007 \times 6,25}{1000 \times 2} \times 100\% = 5.415\%\end{aligned}$$

$$\text{Rata - Rata} = \frac{5.366\% + 5.295\% + 5.415\%}{3} = 5.359\%$$

- Es Krim Perlakuan F3

$$\text{Prot1 F3} = \frac{(13.63 - 0.47) \times 1 \times 14,007 \times 6,25}{1000 \times 2} \times 100\% = 5.880\%$$

$$\text{Prot2 F3} = \frac{(13.29 - 0.47) \times 1 \times 14,007 \times 6,25}{1000 \times 2} \times 100\% = 5.728\%$$

$$\text{Prot3 F3} = \frac{(13.45 - 0.47) \times 1 \times 14,007 \times 6,25}{1000 \times 2} \times 100\% = 5.800\%$$

$$\text{Rata - Rata} = \frac{5.880\% + 5.728\% + 5.800\%}{3} = 5.803\%$$

12. Perhitungan *Overrun* Es Krim

$$\text{Overrun} = \frac{\text{Vol akhir (mL)} - \text{Vol awal (mL)}}{\text{Vol awal (mL)}} \times 100\%$$

- Es Krim Perlakuan F0

$$\text{OR1 F0} = \frac{1100 - 550}{1100} \times 100\% = 100\%$$

$$\text{OR2 F0} = \frac{1100 - 550}{1100} \times 100\% = 100\%$$

$$\text{OR3 F0} = \frac{1000 - 500}{1000} \times 100\% = 100\%$$

$$\text{Rata - Rata} = \frac{100\% + 100\% + 100\%}{3} = 100\%$$

- Es Krim Perlakuan F1

$$\text{OR1 F1} = \frac{1100 - 600}{1100} \times 100\% = 83.333\%$$

$$\text{OR2 F1} = \frac{1000 - 550}{1000} \times 100\% = 81.818\%$$

$$\text{OR3 F1} = \frac{910 - 500}{910} \times 100\% = 82.000\%$$

$$\text{Rata - Rata} = \frac{83.333\% + 81.818\% + 82.000\%}{3} = 82.384\%$$

- Es Krim Perlakuan F2

$$\text{OR1 F2} = \frac{980 - 550}{980} \times 100\% = 78.182\%$$

$$\text{OR2 F2} = \frac{960 - 540}{960} \times 100\% = 77.778\%$$

$$\text{OR3 F2} = \frac{980 - 550}{980} \times 100\% = 78.182\%$$

$$\text{Rata - Rata} = \frac{78.182\% + 77.778\% + 78.182\%}{3} = 78.047\%$$

- Es Krim Perlakuan F3

$$\text{OR1 F3} = \frac{860 - 500}{860} \times 100\% = 72.000\%$$

$$\text{OR2 F3} = \frac{950 - 550}{950} \times 100\% = 72.727\%$$

$$\text{OR3 F3} = \frac{950 - 550}{950} \times 100\% = 72.727\%$$

$$\text{Rata - Rata} = \frac{72.000\% + 72.727\% + 72.727\%}{3} = 72.485\%$$

13. Perhitungan Angka Lempeng Total Es Krim

$$N = \frac{\sum C}{(1 \times n_1) + (0,1 \times n_2) \dots \times d}$$

- Es krim Perlakuan F0

$$N1 F0 = \frac{118}{(1 \times 1) \times 10^{-1}} = 11.8$$

$$N2 F0 = \frac{107 + 28}{(1 \times 1) + (0,1 \times 1) \times 10^{-1}} = 1227.27$$

$$N3 F0 = \frac{103}{(1 \times 1) \times 10^{-1}} = 10.3$$

$$\text{Rata - Rata} = \frac{11.8 + 1227.27 + 10.3}{3} = 416.5$$

- Es krim Perlakuan F1

$$N1 F1 = \frac{111 + 34}{(1 \times 1) + (0,1 \times 1) \times 10^{-1}} = 1318.18$$

$$N2 F1 = \frac{121 + 26}{(1 \times 1) + (0,1 \times 1) \times 10^{-1}} = 1336.36$$

$$N3 F1 = \frac{138 + 27}{(1 \times 1) + (0,1 \times 1) \times 10^{-1}} = 163.33$$

$$\text{Rata - Rata} = \frac{1318.13 + 1336.36 + 163.33}{3} = 939.3$$

- Es krim Perlakuan F2

$$N1 F2 = \frac{106}{(1 \times 1) \times 10^{-1}} = 1060$$

$$N2 F2 = \frac{112}{(1 \times 1) \times 10^{-1}} = 1120$$

$$N3 F2 = \frac{124 + 25}{(1 \times 1) + (0,1 \times 1) \times 10^{-1}} = 1354.54$$

$$\text{Rata - Rata} = \frac{1060 + 1120 + 1354.54}{3} = 1178.2$$

- Es krim Perlakuan F3

$$N1 F3 = \frac{129 + 25}{(1 \times 1) + (0,1 \times 1) \times 10^{-1}} = 1400$$

$$N2 F3 = \frac{124}{(1 \times 1) \times 10^{-1}} = 1240$$

$$N3 F3 = \frac{118}{(1 \times 1) \times 10^{-1}} = 1180$$

$$\text{Rata - Rata} = \frac{1400 + 1240 + 1180}{3} = 1273.3$$