

7. LAMPIRAN



Lampiran 1

LEMBAR KUESIONER

Nama :
 Umur :
 Jenis Kelamin :
 Tanggal :

Peneliti meminta bantuan saudara untuk melakukan uji organoleptik terhadap beberapa sample es krim. Saudara cukup menuliskan berdasarkan parameter yang ada. Atas kerjasamanya, peneliti mengucapkan terimakasih.

| Parameter | 059 | 368 | 802 | 492 |
|-----------|-----|-----|-----|-----|
| Aroma | | | | |
| Tekstur | | | | |
| Rasa | | | | |
| Mouthfeel | | | | |
| Kesukaan | | | | |

Keterangan:

Aroma

5 : sangat kuat
 4 : kuat
 3 : cukup kuat
 2 : kurang kuat
 1 : tidak terasa

Tekstur

5 : sangat lembut
 4 : lembut
 3 : cukup lembut
 2 : kurang lembut
 1 : tidak lembut

Rasa

5 : sangat suka
 4 : suka
 3 : cukup suka
 2 : kurang suka
 1 : tidak suka

Kesukaan

5 : sangat suka
 4 : suka
 3 : cukup suka
 2 : kurang suka
 1 : tidak suka

Mouthfeel

5 : sangat *creamy*
 4 : *creamy*
 3 : cukup *creamy*
 2 : kurang *creamy*
 1 : tidak *creamy*

Lampiran 2. Pengolahan Data *Overrun* Es Krim Nabati

Tests of Normality

| PRLKAN | Kolmogorov-Smirnov ^a | | | Shapiro-Wilk | | |
|------------|---------------------------------|----|------|--------------|----|------|
| | Statistic | df | Sig. | Statistic | df | Sig. |
| OVERRUN 0% | .339 | 3 | . | .850 | 3 | .241 |
| 8,3% | .306 | 3 | . | .905 | 3 | .402 |
| 16,7% | .259 | 3 | . | .959 | 3 | .613 |
| 25% | .279 | 3 | . | .939 | 3 | .525 |

a. Lilliefors Significance Correction

Descriptives

OVERRUN

| | N | Mean | Std. Deviation | Std. Error | 95% Confidence Interval for Mean | | Minimum | Maximum |
|-------|----|---------|----------------|------------|----------------------------------|-------------|---------|---------|
| | | | | | Lower Bound | Upper Bound | | |
| 0% | 3 | 88.8667 | 6.07875 | 3.50957 | 73.7662 | 103.9671 | 84.62 | 95.83 |
| 8,3% | 3 | 73.3667 | 4.59323 | 2.65190 | 61.9565 | 84.7769 | 68.18 | 76.92 |
| 16,7% | 3 | 64.5567 | 2.55226 | 1.47355 | 58.2165 | 70.8968 | 61.76 | 66.76 |
| 25% | 3 | 57.1367 | 4.62212 | 2.66858 | 45.6547 | 68.6187 | 52.00 | 60.96 |
| Total | 12 | 70.9817 | 12.95949 | 3.74108 | 62.7476 | 79.2157 | 52.00 | 95.83 |

Test of Homogeneity of Variances

OVERRUN

| Levene Statistic | df1 | df2 | Sig. |
|------------------|-----|-----|------|
| 1.211 | 3 | 8 | .367 |

ANOVA

OVERRUN

| | Sum of Squares | df | Mean Square | F | Sig. |
|----------------|----------------|----|-------------|--------|------|
| Between Groups | 75.578 | 3 | 558.526 | 26.000 | .000 |
| Within Groups | 71.854 | 8 | 21.482 | | |
| Total | 147.432 | 11 | | | |

Post Hoc Tests
Homogeneous Subset

OVERRUN

Duncan^a

| PRLKAN | N | Subset for alpha = .05 | | |
|--------|---|------------------------|---------|---------|
| | | 1 | 2 | 3 |
| 25% | 3 | 57.1367 | | |
| 16,7% | 3 | 64.5567 | | |
| 8,3% | 3 | | 73.3667 | |
| 0% | 3 | | | 88.8667 |
| Sig. | | .086 | 1.000 | 1.000 |

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.



Lampiran 3. Pengolahan Data Kekerasan Es Krim Nabati

Tests of Normality

| PRLKAN | Kolmogorov-Smirnov ^a | | | Shapiro-Wilk | | |
|-----------|---------------------------------|----|-------|--------------|----|------|
| | Statistic | df | Sig. | Statistic | df | Sig. |
| HARD 1.00 | .262 | 9 | .074 | .906 | 9 | .286 |
| 2.00 | .247 | 9 | .119 | .878 | 9 | .148 |
| 3.00 | .217 | 9 | .200* | .922 | 9 | .407 |
| 4.00 | .201 | 9 | .200* | .917 | 9 | .366 |

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

Descriptives

| HARD | N | Mean | Std. Deviation | Std. Error | 95% Confidence Interval for Mean | | Minimum | Maximum |
|-------|----|-------|----------------|------------|----------------------------------|-------------|---------|---------|
| | | | | | Lower Bound | Upper Bound | | |
| 1.00 | 9 | .9133 | .01225 | .00408 | .9039 | .9227 | .89 | .93 |
| 2.00 | 9 | .8789 | .01453 | .00484 | .8677 | .8901 | .86 | .90 |
| 3.00 | 9 | .8544 | .01333 | .00444 | .8442 | .8647 | .83 | .87 |
| 4.00 | 9 | .6267 | .04196 | .01599 | .5898 | .6635 | .55 | .68 |
| Total | 36 | .8163 | .11702 | .01950 | .7787 | .8579 | .55 | .93 |

Test of Homogeneity of Variances

| HARD | Levene Statistic | df1 | df2 | Sig. |
|------|------------------|-----|-----|------|
| | 10.100 | 3 | 32 | .000 |

ANOVA

| HARD | Sum of Squares | df | Mean Square | F | Sig. |
|----------------|----------------|----|-------------|---------|------|
| Between Groups | .457 | 3 | .152 | 214.445 | .000 |
| Within Groups | .023 | 32 | .001 | | |
| Total | .479 | 35 | | | |

Post Hoc Tests
Homogeneous Subsets

HARD

Duncan^a

| PRLKAN | N | Subset for alpha = .05 | | |
|--------|---|------------------------|-------|-------|
| | | 1 | 2 | 3 |
| 4.00 | 9 | .6267 | | |
| 3.00 | 9 | | .8544 | |
| 2.00 | 9 | | .8789 | |
| 1.00 | 9 | | | .9133 |
| Sig. | | 1.000 | .060 | 1.000 |

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9.000.

Lampiran 4. Pengolahan Data Viskositas Es Krim Nabati

Tests of Normality

| PRLKAN | Kolmogorov-Smirnov ^a | | | Shapiro-Wilk | | |
|-------------|---------------------------------|----|------|--------------|----|------|
| | Statistic | df | Sig. | Statistic | df | Sig. |
| VISKOSBL 0% | .253 | 3 | . | .964 | 3 | .637 |
| 8,3% | .292 | 3 | . | .923 | 3 | .463 |
| 16,7% | .219 | 3 | . | .987 | 3 | .780 |
| 25% | .219 | 3 | . | .987 | 3 | .780 |

a. Lilliefors Significance Correction

Tests of Normality

| PRLKAN | Kolmogorov-Smirnov ^a | | | Shapiro-Wilk | | |
|-------------|---------------------------------|----|------|--------------|----|------|
| | Statistic | df | Sig. | Statistic | df | Sig. |
| VISKOSTL 0% | .292 | 3 | . | .923 | 3 | .463 |
| 8,3% | .385 | 3 | . | .750 | 3 | .000 |
| 16,7% | .253 | 3 | . | .964 | 3 | .637 |
| 25% | .253 | 3 | . | .964 | 3 | .637 |

a. Lilliefors Significance Correction

Descriptives

| | N | Mean | Std. Deviation | Std. Error | 95% Confidence Interval for Mean | | Minimum | Maximum |
|-------------|----|---------|----------------|------------|----------------------------------|-------------|---------|---------|
| | | | | | Lower Bound | Upper Bound | | |
| VISKOSBL 0% | 3 | 28.3333 | 1.52753 | .88192 | 24.5388 | 32.1279 | 27.00 | 30.00 |
| 8,3% | 3 | 37.3333 | 2.08167 | 1.20185 | 32.1622 | 42.5045 | 35.00 | 39.00 |
| 16,7% | 3 | 42.3333 | 2.51661 | 1.45297 | 36.0817 | 48.5849 | 40.00 | 45.00 |
| 25% | 3 | 45.3333 | 2.51661 | 1.45297 | 39.0817 | 51.5849 | 43.00 | 48.00 |
| Total | 12 | 38.3333 | 6.98483 | 2.01635 | 33.8954 | 42.7713 | 27.00 | 48.00 |
| VISKOSTL 0% | 3 | 41.3333 | 2.08167 | 1.20185 | 36.1622 | 46.5045 | 39.00 | 43.00 |
| 8,3% | 3 | 43.6667 | 1.15470 | .66667 | 40.7982 | 46.5351 | 43.00 | 45.00 |
| 16,7% | 3 | 46.6667 | 1.52753 | .88192 | 42.8721 | 50.4612 | 45.00 | 48.00 |
| 25% | 3 | 48.6667 | 1.52753 | .88192 | 44.8721 | 52.4612 | 47.00 | 50.00 |
| Total | 12 | 45.0833 | 3.23218 | .93305 | 43.0297 | 47.1370 | 39.00 | 50.00 |

Test of Homogeneity of Variances

| | Levene Statistic | df1 | df2 | Sig. |
|----------|------------------|-----|-----|------|
| VISKOSBL | .271 | 3 | 8 | .845 |
| VISKOSTL | .517 | 3 | 8 | .682 |

ANOVA

| | | Sum of Squares | df | Mean Square | F | Sig. |
|----------|----------------|----------------|----|-------------|--------|------|
| VISKOSBL | Between Groups | 498.000 | 3 | 166.000 | 34.345 | .000 |
| | Within Groups | 38.667 | 8 | 4.833 | | |
| | Total | 536.667 | 11 | | | |
| VISKOSTL | Between Groups | 94.250 | 3 | 31.417 | 12.161 | .002 |
| | Within Groups | 20.667 | 8 | 2.583 | | |
| | Total | 114.917 | 11 | | | |

Post Hoc Tests Homogeneous Subsets

VISKOSBL

Duncan^a

| PRLKAN | N | Subset for alpha = .05 | | |
|--------|---|------------------------|---------|---------|
| | | 1 | 2 | 3 |
| 0% | 3 | 28.3333 | | |
| 8,3% | 3 | | 37.3333 | |
| 16,7% | 3 | | | 42.3333 |
| 25% | 3 | | | 45.3333 |
| Sig. | | 1.000 | 1.000 | .133 |

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

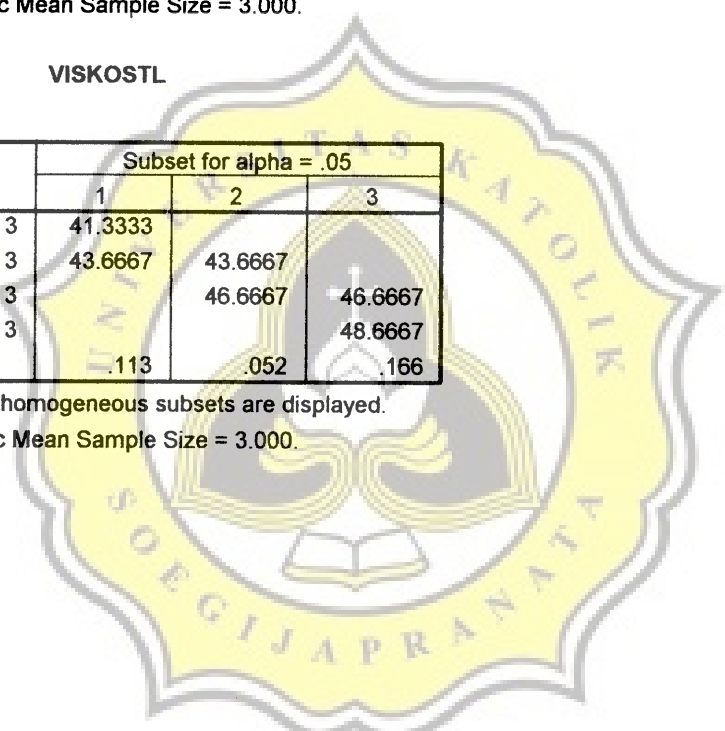
VISKOSTL

Duncan^a

| PRLKAN | N | Subset for alpha = .05 | | |
|--------|---|------------------------|---------|---------|
| | | 1 | 2 | 3 |
| 0% | 3 | 41.3333 | | |
| 8,3% | 3 | 43.6667 | 43.6667 | |
| 16,7% | 3 | | 46.6667 | 46.6667 |
| 25% | 3 | | | 48.6667 |
| Sig. | | .113 | .052 | .166 |

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.



Lampiran 5. Pengolahan Data *Melting Rate* Es Krim Nabati

Tests of Normality

| MP | Kolmogorov-Smirnov ^a | | | Shapiro-Wilk | | | |
|----|---------------------------------|------|------|--------------|------|------|------|
| | Statistic | df | Sig. | Statistic | df | Sig. | |
| MR | m5p1 | .297 | 9 | .021 | .813 | 9 | .028 |
| | m5p2 | .396 | 9 | .000 | .684 | 9 | .001 |
| | m5p3 | .333 | 9 | .005 | .763 | 9 | .008 |
| | m5p4 | .333 | 9 | .005 | .763 | 9 | .008 |
| | m10p1 | .351 | 9 | .002 | .781 | 9 | .012 |
| | m10p2 | .245 | 9 | .127 | .825 | 9 | .039 |
| | m10p3 | .272 | 9 | .054 | .805 | 9 | .024 |
| | m10p4 | .297 | 9 | .021 | .813 | 9 | .028 |
| | m15p1 | .297 | 9 | .021 | .874 | 9 | .136 |
| | m15p2 | .298 | 9 | .020 | .752 | 9 | .006 |
| | m15p3 | .317 | 9 | .010 | .873 | 9 | .132 |
| | m15p4 | .248 | 9 | .116 | .913 | 9 | .338 |
| | m20p1 | .257 | 9 | .088 | .903 | 9 | .273 |
| | m20p2 | .307 | 9 | .014 | .804 | 9 | .023 |
| | m20p3 | .303 | 9 | .017 | .710 | 9 | .002 |
| | m20p4 | .234 | 9 | .166 | .853 | 9 | .080 |
| | m25p1 | .192 | 9 | .200* | .917 | 9 | .364 |
| | m25p2 | .280 | 9 | .040 | .844 | 9 | .065 |
| | m25p3 | .240 | 9 | .144 | .941 | 9 | .595 |
| | m25p4 | .199 | 9 | .200* | .886 | 9 | .180 |
| | m30p1 | .389 | 9 | .000 | .728 | 9 | .003 |
| | m30p2 | .125 | 9 | .200* | .951 | 9 | .696 |
| | m30p3 | .178 | 9 | .200* | .899 | 9 | .246 |
| | m30p4 | .147 | 9 | .200* | .964 | 9 | .836 |

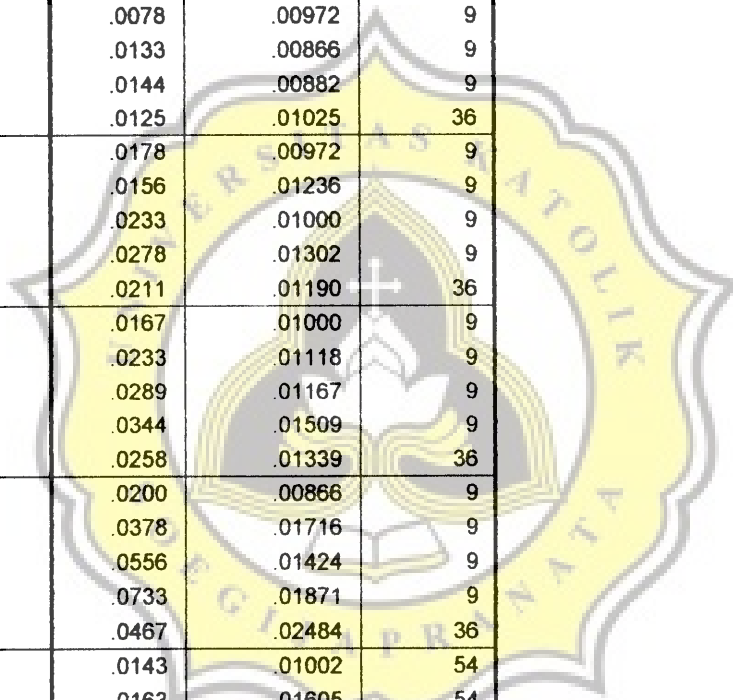
*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

Descriptive Statistics

Dependent Variable: MR

| MENIT | PERLKAN | Mean | Std. Deviation | N |
|-------|---------|-------|----------------|-----|
| 5.00 | 0% | .0078 | .00667 | 9 |
| | 8,3% | .0044 | .00726 | 9 |
| | 16,7% | .0056 | .00726 | 9 |
| | 25% | .0056 | .00726 | 9 |
| | Total | .0058 | .00692 | 36 |
| 10.00 | 0% | .0089 | .00601 | 9 |
| | 8,3% | .0089 | .01054 | 9 |
| | 16,7% | .0067 | .00707 | 9 |
| | 25% | .0078 | .00667 | 9 |
| | Total | .0081 | .00749 | 36 |
| 15.00 | 0% | .0144 | .01333 | 9 |
| | 8,3% | .0078 | .00972 | 9 |
| | 16,7% | .0133 | .00866 | 9 |
| | 25% | .0144 | .00882 | 9 |
| | Total | .0125 | .01025 | 36 |
| 20.00 | 0% | .0178 | .00972 | 9 |
| | 8,3% | .0156 | .01236 | 9 |
| | 16,7% | .0233 | .01000 | 9 |
| | 25% | .0278 | .01302 | 9 |
| | Total | .0211 | .01190 | 36 |
| 25.00 | 0% | .0167 | .01000 | 9 |
| | 8,3% | .0233 | .01118 | 9 |
| | 16,7% | .0289 | .01167 | 9 |
| | 25% | .0344 | .01509 | 9 |
| | Total | .0258 | .01339 | 36 |
| 30.00 | 0% | .0200 | .00866 | 9 |
| | 8,3% | .0378 | .01716 | 9 |
| | 16,7% | .0556 | .01424 | 9 |
| | 25% | .0733 | .01871 | 9 |
| | Total | .0467 | .02484 | 36 |
| Total | 0% | .0143 | .01002 | 54 |
| | 8,3% | .0163 | .01605 | 54 |
| | 16,7% | .0222 | .01978 | 54 |
| | 25% | .0272 | .02609 | 54 |
| | Total | .0200 | .01946 | 216 |



Levene's Test of Equality of Error Variances^a

Dependent Variable: MR

| F | df1 | df2 | Sig. |
|-------|-----|-----|------|
| 2.063 | 23 | 192 | .004 |

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept+MENIT+PERLKAN+MENIT * PERLKAN

Tests of Between-Subjects Effects

Dependent Variable: MR

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|-----------------|-------------------------|-----|-------------|---------|------|
| Corrected Model | 5.822E-02 ^a | 23 | 2.531E-03 | 20.970 | .000 |
| Intercept | 8.640E-02 | 1 | 8.640E-02 | 715.720 | .000 |
| MENIT | 4.126E-02 | 5 | 8.251E-03 | 68.351 | .000 |
| PERLKAN | 5.604E-03 | 3 | 1.868E-03 | 15.473 | .000 |
| MENIT * PERLKAN | 1.136E-02 | 15 | 7.575E-04 | 6.275 | .000 |
| Error | 2.318E-02 | 192 | 1.207E-04 | | |
| Total | .168 | 216 | | | |
| Corrected Total | 8.140E-02 | 215 | | | |

a. R Squared = .715 (Adjusted R Squared = .681)

Estimated Marginal Means

Grand Mean

Dependent Variable: MR

| Mean | Std. Error | 95% Confidence Interval | |
|-----------|------------|-------------------------|-------------|
| | | Lower Bound | Upper Bound |
| 2.000E-02 | .001 | 1.853E-02 | 2.147E-02 |

Post Hoc Tests
 MENIT
 Homogeneous Subsets

MR

Duncan^{a,b}

| MENIT | N | Subset | | | |
|-------|----|--------|-------|-------|-------|
| | | 1 | 2 | 3 | 4 |
| 5.00 | 36 | .0058 | | | |
| 10.00 | 36 | .0081 | .0081 | | |
| 15.00 | 36 | | .0125 | | |
| 20.00 | 36 | | | .0211 | |
| 25.00 | 36 | | | .0258 | |
| 30.00 | 36 | | | | .0467 |
| Sig. | | .392 | .088 | .070 | 1.000 |

Means for groups in homogeneous subsets are displayed.

Based on Type III Sum of Squares

The error term is Mean Square(Error) = 1.207E-04.

a. Uses Harmonic Mean Sample Size = 36.000.

b. Alpha = .05.

Homogeneous Subsets

MR

Duncan^{a,b}

| PERLKAN | N | Subset | | |
|---------|----|--------|-------|-------|
| | | 1 | 2 | 3 |
| 0% | 54 | .0143 | | |
| 8,2% | 54 | .0163 | | |
| 16,7% | 54 | | .0222 | |
| 25% | 54 | | | .0272 |
| Sig. | | .337 | 1.000 | 1.000 |

Means for groups in homogeneous subsets are displayed.

Based on Type III Sum of Squares

The error term is Mean Square(Error) = 1.207E-04.

a. Uses Harmonic Mean Sample Size = 54.000.

b. Alpha = .05.

Lampiran 6. Pengolahan Data *Time to Melt Es Krim Nabati*

Tests of Normality

| PERLKAN | Kolmogorov-Smirnov ^a | | | Shapiro-Wilk | | |
|---------|---------------------------------|----|-------|--------------|----|------|
| | Statistic | df | Sig. | Statistic | df | Sig. |
| TIME 0% | .202 | 9 | .200* | .921 | 9 | .400 |
| 8,3% | .216 | 9 | .200* | .926 | 9 | .442 |
| 16,7% | .156 | 9 | .200* | .938 | 9 | .557 |
| 25% | .192 | 9 | .200* | .961 | 9 | .805 |

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

Descriptives

TIME

| | N | Mean | Std. Deviation | Std. Error | 95% Confidence Interval for Mean | | Minimum | Maximum |
|-------|----|----------|----------------|------------|----------------------------------|-------------|---------|---------|
| | | | | | Lower Bound | Upper Bound | | |
| 0% | 9 | 107.2222 | 10.34139 | 3.44713 | 99.2731 | 115.1713 | 90.00 | 120.00 |
| 8,3% | 9 | 92.7778 | 9.71825 | 3.23942 | 85.3077 | 100.2479 | 75.00 | 105.00 |
| 16,7% | 9 | 78.8889 | 6.97217 | 2.32406 | 73.5296 | 84.2482 | 70.00 | 90.00 |
| 25% | 9 | 72.7778 | 7.94949 | 2.64983 | 66.6673 | 78.8883 | 60.00 | 85.00 |
| Total | 36 | 87.9167 | 15.91832 | 2.65305 | 82.5307 | 93.3027 | 60.00 | 120.00 |

Test of Homogeneity of Variances

TIME

| Levene Statistic | df1 | df2 | Sig. |
|------------------|-----|-----|------|
| .920 | 3 | 32 | .442 |

ANOVA

TIME

| | Sum of Squares | df | Mean Square | F | Sig. |
|----------------|----------------|----|-------------|--------|------|
| Between Groups | 6363.194 | 3 | 2121.065 | 27.089 | .000 |
| Within Groups | 2505.556 | 32 | 78.299 | | |
| Total | 8868.750 | 35 | | | |

Post Hoc Tests
Homogeneous Subsets

TIME

Duncan^a

| PERLKAN | N | Subset for alpha = .05 | | |
|---------|---|------------------------|---------|----------|
| | | 1 | 2 | 3 |
| 25% | 9 | 72.7778 | | |
| 16,7% | 9 | 78.8889 | | |
| 8,3% | 9 | | 92.7778 | |
| 0% | 9 | | | 107.2222 |
| Sig. | | .153 | 1.000 | 1.000 |

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9.000.



Lampiran 7. Pengolahan Data Kandungan Total Padatan Es Krim Nabati

Tests of Normality

| PDTAN | PRLKAN | Kolmogorov-Smirnov | | | Shapiro-Wilk | | |
|-------|--------|--------------------|----|------|--------------|----|------|
| | | Statistic | df | Sig. | Statistic | df | Sig. |
| | 0% | .224 | 9 | .200 | .942 | 9 | .599 |
| | 8,3% | .259 | 9 | .084 | .851 | 9 | .076 |
| | 16,7% | .267 | 9 | .063 | .858 | 9 | .091 |
| | 25% | .280 | 9 | .041 | .878 | 9 | .151 |

* This is a lower bound of the true significance.

a Lilliefors Significance Correction

Descriptives

| PDTAN | N | Mean | Std. Deviation | Std. Error | 95% Confidence Interval for Mean | | Minimum | Maximum |
|-------|----|---------|----------------|------------|----------------------------------|-------------|---------|---------|
| | | | | | Lower Bound | Upper Bound | | |
| 0% | 9 | 32.5233 | .94668 | .31556 | 31.7957 | 33.2510 | 31.30 | 34.07 |
| 8,3% | 9 | 34.4233 | 1.98225 | .66075 | 32.8996 | 35.9470 | 31.05 | 36.31 |
| 16,7% | 9 | 38.5444 | 1.62104 | .54035 | 37.2984 | 39.7905 | 36.95 | 41.89 |
| 25% | 9 | 39.4344 | .64127 | .21376 | 38.9415 | 39.9274 | 38.75 | 40.60 |
| Total | 36 | 36.2314 | 3.19183 | .53197 | 35.1514 | 37.3113 | 31.05 | 41.89 |

Test of Homogeneity of Variances

| PDTAN | Levene Statistic | df1 | df2 | Sig. |
|-------|------------------|-----|-----|------|
| | 5.243 | 3 | 32 | .005 |

Post Hoc Tests

Homogeneous Subsets

PDTAN

Duncan

| PRLKAN | N | Subset for alpha = .05 | | |
|--------|---|------------------------|---------|---------|
| | | 1 | 2 | 3 |
| 0% | 9 | 32.5233 | | |
| 8,3% | 9 | | 34.4233 | |
| 16,7% | 9 | | | 38.5444 |
| 25% | 9 | | | 39.4344 |
| Sig. | | 1.000 | 1.000 | .188 |

Means for groups in homogeneous subsets are displayed.

a Uses Harmonic Mean Sample Size = 9.000.

Lampiran 8. Pengolahan Data Kandungan Lemak Es Krim Nabati
Explore

Tests of Normality

| PRLKAN | Kolmogorov-Smirnov ^a | | | Shapiro-Wilk | | |
|----------|---------------------------------|----|-------|--------------|----|------|
| | Statistic | df | Sig. | Statistic | df | Sig. |
| LEMAK 0% | .274 | 9 | .050 | .796 | 9 | .019 |
| 8,3% | .150 | 9 | .200* | .942 | 9 | .599 |
| 16,7% | .165 | 9 | .200* | .952 | 9 | .715 |
| 25% | .154 | 9 | .200* | .959 | 9 | .789 |

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

Descriptives

LEMAK

| | N | Mean | Std. Deviation | Std. Error | 95% Confidence Interval for Mean | | Minimum | Maximum |
|-------|----|---------|----------------|------------|----------------------------------|-------------|---------|---------|
| | | | | | Lower Bound | Upper Bound | | |
| 0% | 9 | 3.3467 | .66038 | .22013 | 2.8391 | 3.8543 | 2.74 | 4.93 |
| 8,3% | 9 | 6.4900 | .97220 | .32407 | 5.7427 | 7.2373 | 5.07 | 7.87 |
| 16,7% | 9 | 10.9400 | 1.35286 | .45095 | 9.9001 | 11.9799 | 8.44 | 12.83 |
| 25% | 9 | 14.9867 | 2.42232 | .80744 | 13.1247 | 16.8486 | 11.78 | 18.79 |
| Total | 36 | 8.9408 | 4.70041 | .78340 | 7.3504 | 10.5312 | 2.74 | 18.79 |

Test of Homogeneity of Variances

LEMAK

| Levene Statistic | df1 | df2 | Sig. |
|------------------|-----|-----|------|
| 7.257 | 3 | 32 | .001 |

ANOVA

LEMAK

| | Sum of Squares | df | Mean Square | F | Sig. |
|----------------|----------------|----|-------------|---------|------|
| Between Groups | 700.650 | 3 | 233.550 | 102.895 | .000 |
| Within Groups | 72.633 | 32 | 2.270 | | |
| Total | 773.284 | 35 | | | |

Post Hoc Tests

Homogeneous Subsets

LEMAK

Duncan^a

| PRLKAN | N | Subset for alpha = .05 | | | |
|--------|---|------------------------|--------|---------|---------|
| | | 1 | 2 | 3 | 4 |
| 0% | 9 | 3.3467 | | | |
| 8,3% | 9 | | 6.4900 | | |
| 16,7% | 9 | | | 10.9400 | |
| 25% | 9 | | | | 14.9867 |
| Sig. | | 1.000 | 1.000 | 1.000 | 1.000 |

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9.000.



Lampiran 9. Pengolahan Data Kandungan Protein Es Krim Nabati

Tests of Normality

| PROTEIN | PRLKAN | Kolmogorov-Smirnov ^a | | | Shapiro-Wilk | | |
|---------|--------|---------------------------------|----|-------|--------------|----|------|
| | | Statistic | df | Sig. | Statistic | df | Sig. |
| | 0% | .197 | 9 | .200* | .959 | 9 | .789 |
| | 8,3% | .133 | 9 | .200* | .936 | 9 | .544 |
| | 16,7% | .168 | 9 | .200* | .902 | 9 | .265 |
| | 25% | .179 | 9 | .200* | .929 | 9 | .475 |

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

Descriptives

PROTEIN

| | N | Mean | Std. Deviation | Std. Error | 95% Confidence Interval for Mean | | Minimum | Maximum |
|-------|----|--------|----------------|------------|----------------------------------|-------------|---------|---------|
| | | | | | Lower Bound | Upper Bound | | |
| 0% | 9 | .5422 | .10293 | .03431 | .4631 | .6213 | .36 | .69 |
| 8,3% | 9 | 1.3111 | .13290 | .04430 | 1.2090 | 1.4133 | 1.12 | 1.49 |
| 16,7% | 9 | 1.9978 | .28977 | .09659 | 1.7750 | 2.2205 | 1.57 | 2.35 |
| 25% | 9 | 3.0911 | .28189 | .09396 | 2.8744 | 3.3078 | 2.51 | 3.44 |
| Total | 36 | 1.7356 | .97289 | .16215 | 1.4064 | 2.0647 | .36 | 3.44 |

Test of Homogeneity of Variances

PROTEIN

| Levene Statistic | df1 | df2 | Sig. |
|------------------|-----|-----|------|
| 3.371 | 3 | 32 | .030 |

ANOVA

PROTEIN

| | Sum of Squares | df | Mean Square | F | Sig. |
|----------------|----------------|----|-------------|---------|------|
| Between Groups | 31.594 | 3 | 10.531 | 219.765 | .000 |
| Within Groups | 1.533 | 32 | .048 | | |
| Total | 33.128 | 35 | | | |

Post Hoc Tests

Homogeneous Subsets

PROTEIN

Duncan^a

| PRLKAN | N | Subset for alpha = .05 | | | |
|--------|---|------------------------|--------|--------|--------|
| | | 1 | 2 | 3 | 4 |
| 0% | 9 | .5422 | | | |
| 8,3% | 9 | | 1.3111 | | |
| 16,7% | 9 | | | 1.9978 | |
| 25% | 9 | | | | 3.0911 |
| Sig. | | 1.000 | 1.000 | 1.000 | 1.000 |

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9.000.



Lampiran 10. Pengolahan Data Nilai TBA Es Krim Nabati

Tests of Normality

| PRLKAN | Kolmogorov-Smirnov ^a | | | Shapiro-Wilk | | |
|--------|---------------------------------|----|-------|--------------|----|------|
| | Statistic | df | Sig. | Statistic | df | Sig. |
| TBA 0% | .130 | 14 | .200* | .942 | 14 | .446 |
| 8,3% | .153 | 14 | .200* | .950 | 14 | .561 |
| 16,7% | .115 | 14 | .200* | .965 | 14 | .804 |
| 25% | .098 | 14 | .200* | .971 | 14 | .885 |

*. This is a lower bound of the true significance.

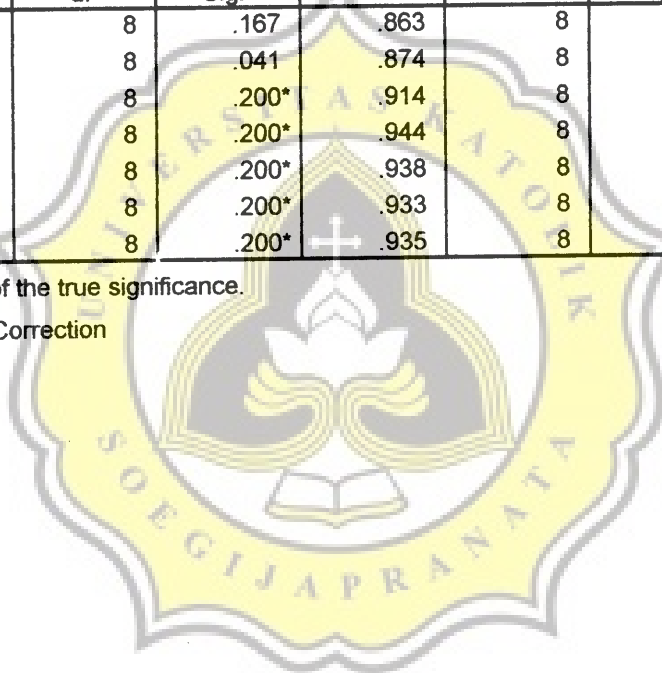
a. Lilliefors Significance Correction

Tests of Normality

| HARI | Kolmogorov-Smirnov ^a | | | Shapiro-Wilk | | |
|---------|---------------------------------|----|-------|--------------|----|------|
| | Statistic | df | Sig. | Statistic | df | Sig. |
| TBA .00 | .246 | 8 | .167 | .863 | 8 | .128 |
| 5.00 | .293 | 8 | .041 | .874 | 8 | .163 |
| 10.00 | .153 | 8 | .200* | .914 | 8 | .381 |
| 15.00 | .137 | 8 | .200* | .944 | 8 | .651 |
| 20.00 | .144 | 8 | .200* | .938 | 8 | .594 |
| 25.00 | .151 | 8 | .200* | .933 | 8 | .544 |
| 30.00 | .160 | 8 | .200* | .935 | 8 | .563 |

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction



Descriptive Statistics

Dependent Variable: TBA

| PRLKAN | HARI | Mean | Std. Deviation | N |
|--------|-------|----------|----------------|----|
| 0% | .00 | .001750 | .0016263 | 2 |
| | 5.00 | .024250 | .0010607 | 2 |
| | 10.00 | .024350 | .0040305 | 2 |
| | 15.00 | .032800 | .0076368 | 2 |
| | 20.00 | .038800 | .0066468 | 2 |
| | 25.00 | .044900 | .0038184 | 2 |
| | 30.00 | .053650 | .0010607 | 2 |
| | Total | .031500 | .0165623 | 14 |
| 8,3% | .00 | .012350 | .0017678 | 2 |
| | 5.00 | .156800 | .0022627 | 2 |
| | 10.00 | .218950 | .0190212 | 2 |
| | 15.00 | .235750 | .0045962 | 2 |
| | 20.00 | .269800 | .0428507 | 2 |
| | 25.00 | .321300 | .0281428 | 2 |
| | 30.00 | .487300 | .0511945 | 2 |
| | Total | .243179 | .1417540 | 14 |
| 16,7% | .00 | .060700 | .0012728 | 2 |
| | 5.00 | .169150 | .0040305 | 2 |
| | 10.00 | .305950 | .0245366 | 2 |
| | 15.00 | .384500 | .0185262 | 2 |
| | 20.00 | .485600 | .0127279 | 2 |
| | 25.00 | .612050 | .0372645 | 2 |
| | 30.00 | .755450 | .0736098 | 2 |
| | Total | .396200 | .2353407 | 14 |
| 25% | .00 | .119450 | .0458912 | 2 |
| | 5.00 | .401700 | .0578413 | 2 |
| | 10.00 | .507400 | .0022627 | 2 |
| | 15.00 | .636900 | .0782060 | 2 |
| | 20.00 | .713750 | .0608819 | 2 |
| | 25.00 | .945600 | .0767918 | 2 |
| | 30.00 | 1.062100 | .0888126 | 2 |
| | Total | .626700 | .3127162 | 14 |
| Total | .00 | .048563 | .0527306 | 8 |
| | 5.00 | .187975 | .1468669 | 8 |
| | 10.00 | .264162 | .1859013 | 8 |
| | 15.00 | .322488 | .2374943 | 8 |
| | 20.00 | .376988 | .2693591 | 8 |
| | 25.00 | .480962 | .3596668 | 8 |
| | 30.00 | .589625 | .3987245 | 8 |
| | Total | .324395 | .2985138 | 56 |

Post Hoc Tests

Homogeneous Subsets

TBA

Duncan^{a,b}

| PRLKAN | N | Subset | | | |
|--------|----|---------|---------|---------|---------|
| | | 1 | 2 | 3 | 4 |
| 0% | 14 | .031500 | | | |
| 8,3% | 14 | | .243179 | | |
| 16,7% | 14 | | | .396200 | |
| 25% | 14 | | | | .626700 |
| Sig. | | 1.000 | 1.000 | 1.000 | 1.000 |

Means for groups in homogeneous subsets are displayed.

Based on Type III Sum of Squares

The error term is Mean Square(Error) = 1.528E-03.

- a. Uses Harmonic Mean Sample Size = 14.000.
- b. Alpha = .05.

TBA

Duncan^{a,b}

| HARI | N | Subset | | | | | | |
|-------|---|---------|---------|---------|---------|---------|---------|---------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| .00 | 8 | .048563 | | | | | | |
| 5.00 | 8 | | .187975 | | | | | |
| 10.00 | 8 | | | .264162 | | | | |
| 15.00 | 8 | | | | .322488 | | | |
| 20.00 | 8 | | | | | .376988 | | |
| 25.00 | 8 | | | | | | .480962 | |
| 30.00 | 8 | | | | | | | .589625 |
| Sig. | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |

Means for groups in homogeneous subsets are displayed.

Based on Type III Sum of Squares

The error term is Mean Square(Error) = 1.528E-03.

- a. Uses Harmonic Mean Sample Size = 8.000.
- b. Alpha = .05.

Lampiran 11. Pengolahan Data Organoleptik Es Krim Nabati

AROMA * PRLKAN Crosstabulation

Count

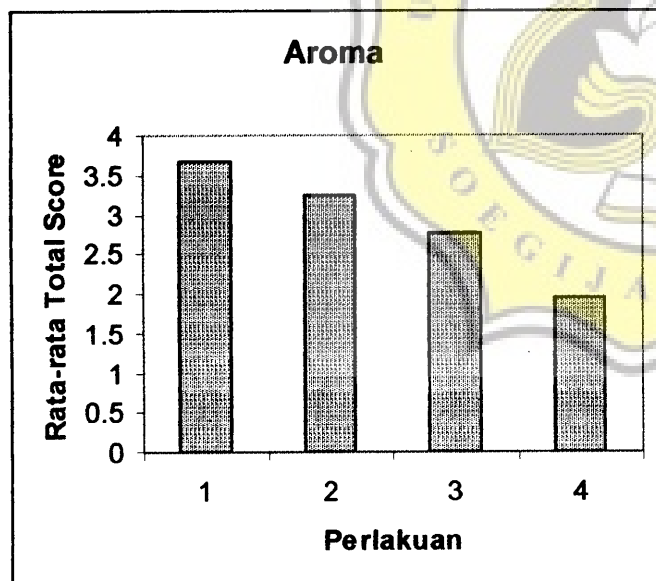
| | | PRLKAN | | | | Total |
|-------|------------|--------|------|-------|-----|-------|
| | | 0% | 8,3% | 16,7% | 25% | |
| AROMA | tdk terasa | | 2 | 4 | 6 | 12 |
| | krng kuat | 5 | 2 | 6 | 14 | 27 |
| | ckp kuat | 5 | 13 | 8 | 5 | 31 |
| | kuat | 8 | 4 | 6 | | 18 |
| | sgt kuat | 7 | 4 | 1 | | 12 |
| Total | | 25 | 25 | 25 | 25 | 100 |

Score :

- Tidak terasa : 1
 Kurang kuat : 2
 Cukup kuat : 3
 Kuat : 4
 Sangat kuat : 5

Rata-rata total score :

- 0% (P1) : $((0 \times 1) + (5 \times 2) + (5 \times 3) + (8 \times 4) + (7 \times 5)) / 25 = 3,68$
 8,3% (P2) : $((2 \times 1) + (2 \times 2) + (13 \times 3) + (4 \times 4) + (4 \times 5)) / 25 = 3,24$
 16,7% (P3) : $((4 \times 1) + (6 \times 2) + (8 \times 3) + (6 \times 4) + (1 \times 5)) / 25 = 2,76$
 25% (P4) : $((6 \times 1) + (14 \times 2) + (5 \times 3) + (0 \times 4) + (0 \times 5)) / 25 = 1,96$



TEKSTUR * PRLKAN Crosstabulation

Count

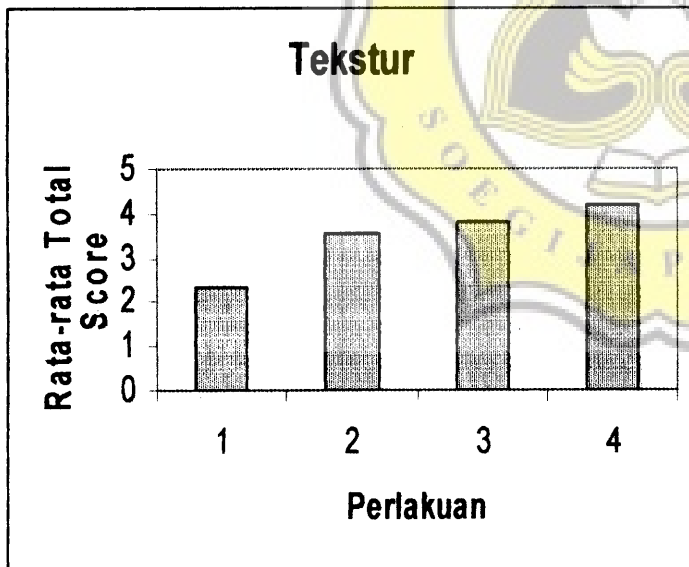
| | | PRLKAN | | | | Total |
|---------|-------------|--------|------|-------|-----|-------|
| | | 0% | 8,3% | 16,7% | 25% | |
| TEKSTUR | tdk lembut | 7 | | | | 7 |
| | krng lembut | 8 | 3 | 2 | | 13 |
| | ckp lembut | 5 | 6 | 4 | 5 | 20 |
| | lembut | 4 | 15 | 16 | 10 | 45 |
| | sgt lembut | 1 | 1 | 3 | 10 | 15 |
| Total | | 25 | 25 | 25 | 25 | 100 |

Score :

- Tidak lembut : 1
 Kurang lembut : 2
 Cukup lembut : 3
 Lembut : 4
 Sangat lembut : 5

Rata-rata total Score :

- 0% (P1) : $((7 \times 1) + (8 \times 2) + (5 \times 3) + (4 \times 4) + (1 \times 5)) / 25 = 2,36$
 8,3% (P2) : $((0 \times 1) + (3 \times 2) + (6 \times 3) + (15 \times 4) + (1 \times 5)) / 25 = 3,56$
 16,7% (P3) : $((0 \times 1) + (2 \times 2) + (4 \times 3) + (16 \times 4) + (3 \times 5)) / 25 = 3,8$
 25% (P4) : $((0 \times 1) + (0 \times 2) + (5 \times 3) + (10 \times 4) + (10 \times 5)) / 25 = 4,2$



RASA * PRLKAN Crosstabulation

Count

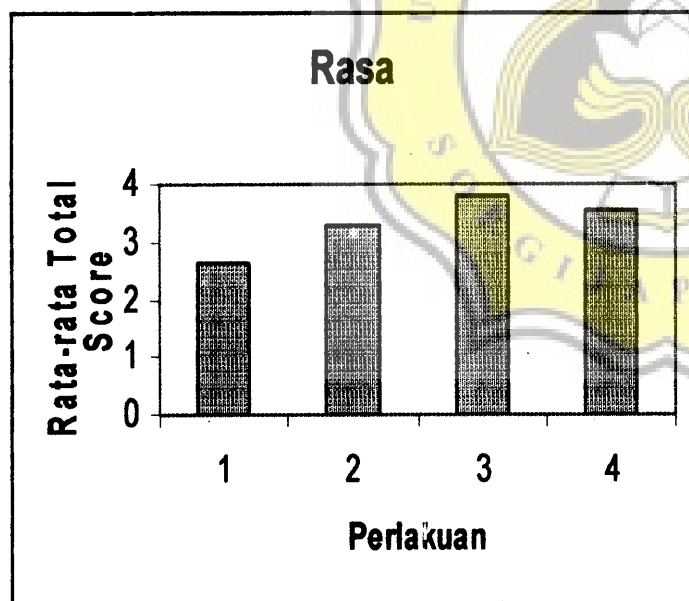
| | | PRLKAN | | | | Total |
|-------|-----------|--------|------|-------|-----|-------|
| | | 0% | 8,3% | 16,7% | 25% | |
| RASA | tdk suka | 3 | 1 | | 1 | 5 |
| | krng suka | 12 | 7 | 2 | 3 | 24 |
| | ckp suka | 3 | 4 | 5 | 7 | 19 |
| | suka | 5 | 10 | 14 | 9 | 38 |
| | sgt suka | 2 | 3 | 4 | 5 | 14 |
| Total | | 25 | 25 | 25 | 25 | 100 |

Score :

Tidak suka : 1
 Kurang suka : 2
 Cukup suka : 3
 Suka : 4
 Sangat suka : 5

Rata-rata Total Score :

0% (P1) : $((3 \times 1) + (12 \times 2) + (3 \times 3) + (5 \times 4) + (2 \times 5)) / 25 = 2,64$
 8,3% (P2) : $((1 \times 1) + (7 \times 2) + (4 \times 3) + (10 \times 4) + (3 \times 5)) / 25 = 3,28$
 16,7% (P3) : $((0 \times 1) + (2 \times 2) + (5 \times 3) + (14 \times 4) + (4 \times 5)) / 25 = 3,8$
 25% (P4) : $((1 \times 1) + (3 \times 2) + (7 \times 3) + (9 \times 4) + (5 \times 5)) / 25 = 3,56$



MOUTHFEEL * PRLKAN Crosstabulation

Count

| | | PRLKAN | | | | Total |
|-----------|------------|--------|------|-------|-----|-------|
| | | 0% | 8,3% | 16,7% | 25% | |
| MOUTHFEEL | tdk creamy | 7 | 1 | 1 | | 9 |
| | krg creamy | 8 | 9 | 6 | 7 | 30 |
| | ckp creamy | 8 | 11 | 6 | 4 | 29 |
| | creamy | 2 | 3 | 10 | 8 | 23 |
| | sgt creamy | | 1 | 2 | 6 | 9 |
| Total | | 25 | 25 | 25 | 25 | 100 |

Score :

Tidak creamy : 1

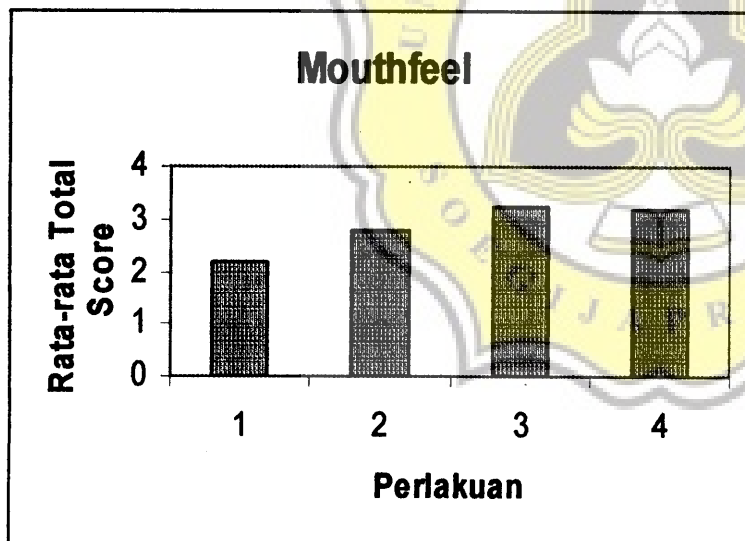
Kurang creamy : 2

Cukup creamy : 3

Creamy : 4

Sangat creamy : 5

Rata-rata Total Score :

0% (P1) : $((7 \times 1) + (8 \times 2) + (8 \times 3) + (2 \times 4) + (0 \times 5)) / 25 = 2,2$ 8,3% (P2) : $((1 \times 1) + (9 \times 2) + (11 \times 3) + (3 \times 4) + (1 \times 5)) / 25 = 2,76$ 16,7% (P3) : $((1 \times 1) + (6 \times 2) + (6 \times 3) + (10 \times 4) + (2 \times 5)) / 25 = 3,24$ 25% (P4) : $((0 \times 1) + (7 \times 2) + (4 \times 3) + (8 \times 4) + (6 \times 5)) / 25 = 3,2$ 

KESUKAAN * PRLKAN Crosstabulation

Count

| | | PRLKAN | | | | Total |
|----------|-----------|--------|------|-------|-----|-------|
| | | 0% | 8,3% | 16,7% | 25% | |
| KESUKAAN | tdk suka | 6 | 1 | | 1 | 8 |
| | krng suka | 10 | 1 | 2 | 2 | 15 |
| | ckp suka | 2 | 8 | 6 | 7 | 23 |
| | suka | 5 | 12 | 13 | 10 | 40 |
| | sgt suka | 2 | 3 | 4 | 5 | 14 |
| Total | | 25 | 25 | 25 | 25 | 100 |

Score :

Tidak suka : 1
 Kurang suka : 2
 Cukup suka : 3
 Suka : 4
 Sangat suka : 5

Rata-rata Total Score :

0% (P1) : $((6 \times 1) + (10 \times 2) + (2 \times 3) + (5 \times 4) + (2 \times 5)) / 25 = 2,48$
 8,3% (P2) : $((1 \times 1) + (1 \times 2) + (8 \times 3) + (12 \times 4) + (3 \times 5)) / 25 = 3,6$
 16,7% (P3) : $((0 \times 1) + (2 \times 2) + (6 \times 3) + (13 \times 4) + (4 \times 5)) / 25 = 3,76$
 25% (P4) : $((1 \times 1) + (2 \times 2) + (7 \times 3) + (10 \times 4) + (5 \times 5)) / 25 = 3,64$

