

Lampiran 1. Hasil Analisa Data *Whipping Cream*

**Tests of Normality**

| JENIS    |        | Kolmogorov-Smirnov <sup>a</sup> |    |      |
|----------|--------|---------------------------------|----|------|
|          |        | Statistic                       | df | Sig. |
| LEMAK    | DP     | .338                            | 3  | .    |
|          | Pondan | .385                            | 3  | .    |
|          | Wippy  | .350                            | 3  | .    |
| TOTPDTAN | DP     | .377                            | 3  | .    |
|          | Pondan | .237                            | 3  | .    |
|          | Wippy  | .229                            | 3  | .    |
| PROTEIN  | DP     | .276                            | 3  | .    |
|          | Pondan | .253                            | 3  | .    |
|          | Wippy  | .314                            | 3  | .    |
| ABU      | DP     | .361                            | 3  | .    |
|          | Pondan | .253                            | 3  | .    |
|          | Wippy  | .361                            | 3  | .    |
| SERAT    | DP     | .175                            | 3  | .    |
|          | Pondan | .349                            | 3  | .    |
|          | Wippy  | .314                            | 3  | .    |

a. Lilliefors Significance Correction

**ANOVA**

|          |                | Sum of Squares | df | Mean Square | F         | Sig. |
|----------|----------------|----------------|----|-------------|-----------|------|
| LEMAK    | Between Groups | 165.851        | 2  | 82.925      | 26.574    | .001 |
|          | Within Groups  | 18.723         | 6  | 3.121       |           |      |
|          | Total          | 184.574        | 8  |             |           |      |
| TOTPDTAN | Between Groups | 6.387          | 2  | 3.193       | 596.193   | .000 |
|          | Within Groups  | 3.214E-02      | 6  | 5.356E-03   |           |      |
|          | Total          | 6.419          | 8  |             |           |      |
| PROTEIN  | Between Groups | .162           | 2  | 8.097E-02   | 10876.403 | .000 |
|          | Within Groups  | 4.467E-05      | 6  | 7.444E-06   |           |      |
|          | Total          | .162           | 8  |             |           |      |
| ABU      | Between Groups | 5.824          | 2  | 2.912       | 1159.082  | .000 |
|          | Within Groups  | 1.507E-02      | 6  | 2.512E-03   |           |      |
|          | Total          | 5.839          | 8  |             |           |      |
| SERAT    | Between Groups | .241           | 2  | .121        | 4099.623  | .000 |
|          | Within Groups  | 1.767E-04      | 6  | 2.944E-05   |           |      |
|          | Total          | .242           | 8  |             |           |      |

**LEMAK**

Duncan<sup>a</sup>

| JENIS  | N | Subset for alpha = .05 |         |         |
|--------|---|------------------------|---------|---------|
|        |   | 1                      | 2       | 3       |
| DP     | 3 | 20.6500                |         |         |
| Pondan | 3 |                        | 24.7333 |         |
| Wippy  | 3 |                        |         | 31.0833 |
| Sig.   |   | 1.000                  | 1.000   | 1.000   |

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

**TOTPDAN**

Duncan<sup>a</sup>

| JENIS  | N | Subset for alpha = .05 |         |         |
|--------|---|------------------------|---------|---------|
|        |   | 1                      | 2       | 3       |
| DP     | 3 | 96.3557                |         |         |
| Pondan | 3 |                        | 97.6897 |         |
| Wippy  | 3 |                        |         | 98.3860 |
| Sig.   |   | 1.000                  | 1.000   | 1.000   |

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

**PROTEIN**

Duncan<sup>a</sup>

| JENIS  | N | Subset for alpha = .05 |        |        |
|--------|---|------------------------|--------|--------|
|        |   | 1                      | 2      | 3      |
| Wippy  | 3 | 2.8260                 |        |        |
| DP     | 3 |                        | 2.9650 |        |
| Pondan | 3 |                        |        | 3.1533 |
| Sig.   |   | 1.000                  | 1.000  | 1.000  |

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

### ABU

Duncan<sup>a</sup>

| JENIS  | N | Subset for alpha = .05 |        |        |
|--------|---|------------------------|--------|--------|
|        |   | 1                      | 2      | 3      |
| Wippy  | 3 | .8260                  |        |        |
| Pondan | 3 |                        | 1.3803 |        |
| DP     | 3 |                        |        | 2.7407 |
| Sig.   |   | 1.000                  | 1.000  | 1.000  |

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

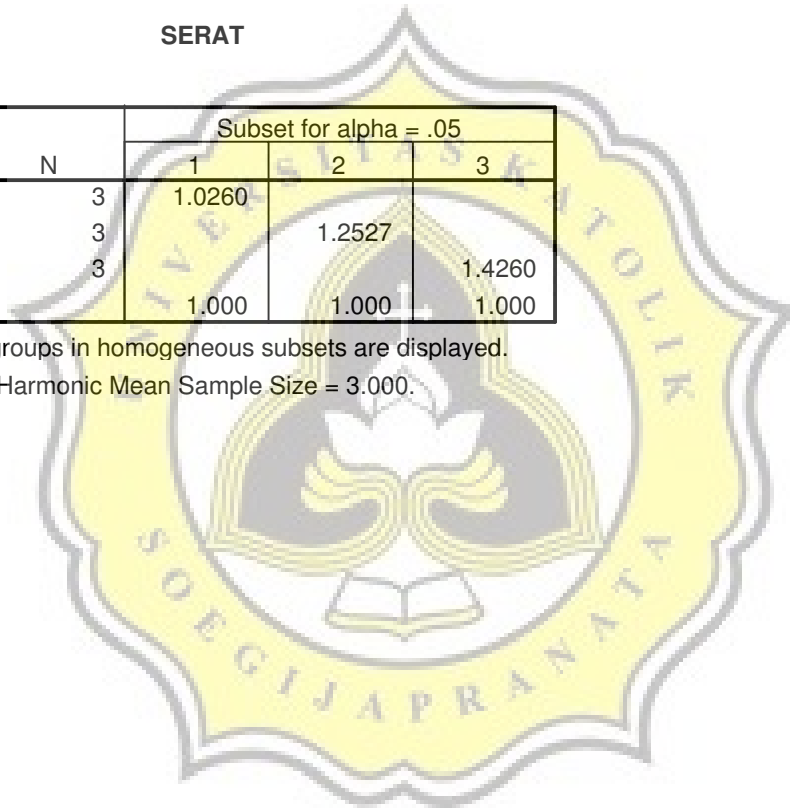
### SERAT

Duncan<sup>a</sup>

| JENIS  | N | Subset for alpha = .05 |        |        |
|--------|---|------------------------|--------|--------|
|        |   | 1                      | 2      | 3      |
| Wippy  | 3 | 1.0260                 |        |        |
| Pondan | 3 |                        | 1.2527 |        |
| DP     | 3 |                        |        | 1.4260 |
| Sig.   |   | 1.000                  | 1.000  | 1.000  |

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.



Lampiran 2. Hasil Analisa Data *Overrun* Es Krim Lidah Buaya

**Tests of Normality**

| JENIS      | Kolmogorov-Smirnov <sup>a</sup> |    |       | Shapiro-Wilk |    |      |
|------------|---------------------------------|----|-------|--------------|----|------|
|            | Statistic                       | df | Sig.  | Statistic    | df | Sig. |
| OVERRUN DP | .165                            | 15 | .200* | .925         | 15 | .298 |
| PONDAN     | .115                            | 15 | .200* | .975         | 15 | .905 |
| WIPPY      | .119                            | 15 | .200* | .964         | 15 | .723 |

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

a. Lilliefors Significance Correction

**Tests of Normality**

| KONS       | Kolmogorov-Smirnov <sup>a</sup> |    |       | Shapiro-Wilk |    |      |
|------------|---------------------------------|----|-------|--------------|----|------|
|            | Statistic                       | df | Sig.  | Statistic    | df | Sig. |
| OVERRUN 0% | .203                            | 9  | .200* | .870         | 9  | .158 |
| 25%        | .244                            | 9  | .131  | .852         | 9  | .088 |
| 50%        | .230                            | 9  | .189  | .929         | 9  | .469 |
| 75%        | .174                            | 9  | .200* | .954         | 9  | .706 |
| 100%       | .181                            | 9  | .200* | .906         | 9  | .346 |

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

a. Lilliefors Significance Correction

**ANOVA**

OVERRUN

|                | Sum of Squares | df | Mean Square | F    | Sig. |
|----------------|----------------|----|-------------|------|------|
| Between Groups | 92.155         | 14 | 6.583       | .964 | .509 |
| Within Groups  | 204.755        | 30 | 6.825       |      |      |
| Total          | 296.910        | 44 |             |      |      |

### Tests of Between-Subjects Effects

Dependent Variable: OVERRUN

| Source          | Type III Sum of Squares | df | Mean Square | F         | Sig.  |
|-----------------|-------------------------|----|-------------|-----------|-------|
| Corrected Model | 86.122 <sup>a</sup>     | 14 | 6.152       | .889      | .578  |
| Intercept       | 274368.078              | 1  | 274368.078  | 39654.792 | .000  |
| JENIS           | 16.028                  | 2  | 8.014       | 1.158     | .328  |
| KONS            | 69.026                  | 4  | 17.257      | 2.494     | .064  |
| JENIS * KONS    | 1.068                   | 8  | .133        | .019      | 1.000 |
| Error           | 207.567                 | 30 | 6.919       |           |       |
| Total           | 274661.768              | 45 |             |           |       |
| Corrected Total | 293.690                 | 44 |             |           |       |

a. R Squared = .293 (Adjusted R Squared = -.037)

#### OVERRUN

Duncan<sup>a,b</sup>

| JENIS  | N  | Subset  |      |
|--------|----|---------|------|
|        |    | 1       |      |
| DP     | 15 | 77.3828 |      |
| PONDAN | 15 | 78.0270 |      |
| WIPPY  | 15 | 78.8414 |      |
| Sig.   |    |         | .161 |

Means for groups in homogeneous subsets are displayed.

Based on Type III Sum of Squares

The error term is Mean Square(Error) = 6.919.

a. Uses Harmonic Mean Sample Size = 15.000.

b. Alpha = .05.

#### OVERRUN

Duncan<sup>a,b</sup>

| KONS | N | Subset  |         |
|------|---|---------|---------|
|      |   | 1       | 2       |
| 100% | 9 | 76.3111 |         |
| 75%  | 9 | 77.1559 | 77.1559 |
| 50%  | 9 | 78.2108 | 78.2108 |
| 25%  | 9 | 78.9585 | 78.9585 |
| 0%   | 9 |         | 79.7823 |
| Sig. |   | .058    | .060    |

Means for groups in homogeneous subsets are displayed.

Based on Type III Sum of Squares

The error term is Mean Square(Error) = 6.919.

a. Uses Harmonic Mean Sample Size = 9.000.

b. Alpha = .05.

Lampiran 3. Hasil Analisa Data Viskositas Sebelum dan Sesudah Pembekuan Es Krim Lidah Buaya

**Tests of Normality**

| JENIS       | Kolmogorov-Smirnov <sup>a</sup> |    |       | Shapiro-Wilk |    |      |
|-------------|---------------------------------|----|-------|--------------|----|------|
|             | Statistic                       | df | Sig.  | Statistic    | df | Sig. |
| VISKOSBL DP | .126                            | 15 | .200* | .945         | 15 | .458 |
| PONDAN      | .158                            | 15 | .200* | .926         | 15 | .305 |
| WIPPY       | .095                            | 15 | .200* | .961         | 15 | .670 |

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

a. Lilliefors Significance Correction

**Tests of Normality**

| KONS        | Kolmogorov-Smirnov <sup>a</sup> |    |       | Shapiro-Wilk |    |      |
|-------------|---------------------------------|----|-------|--------------|----|------|
|             | Statistic                       | df | Sig.  | Statistic    | df | Sig. |
| VISKOSBL 0% | .210                            | 9  | .200* | .875         | 9  | .186 |
| 25%         | .193                            | 9  | .200* | .873         | 9  | .176 |
| 50%         | .190                            | 9  | .200* | .880         | 9  | .213 |
| 75%         | .179                            | 9  | .200* | .921         | 9  | .427 |
| 100%        | .195                            | 9  | .200* | .902         | 9  | .325 |

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

a. Lilliefors Significance Correction

**Tests of Normality**

| JENIS       | Kolmogorov-Smirnov <sup>a</sup> |    |       | Shapiro-Wilk |    |      |
|-------------|---------------------------------|----|-------|--------------|----|------|
|             | Statistic                       | df | Sig.  | Statistic    | df | Sig. |
| VISKOSSD DP | .160                            | 15 | .200* | .916         | 15 | .224 |
| PONDAN      | .147                            | 15 | .200* | .951         | 15 | .511 |
| WIPPY       | .158                            | 15 | .200* | .934         | 15 | .370 |

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

a. Lilliefors Significance Correction

### Tests of Normality

| KONS        | Kolmogorov-Smirnov <sup>a</sup> |    |       | Shapiro-Wilk |    |      |
|-------------|---------------------------------|----|-------|--------------|----|------|
|             | Statistic                       | df | Sig.  | Statistic    | df | Sig. |
| VISKOSSD 0% | .195                            | 9  | .200* | .877         | 9  | .194 |
| 25%         | .198                            | 9  | .200* | .869         | 9  | .152 |
| 50%         | .199                            | 9  | .200* | .892         | 9  | .272 |
| 75%         | .201                            | 9  | .200* | .900         | 9  | .318 |
| 100%        | .199                            | 9  | .200* | .875         | 9  | .185 |

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

a. Lilliefors Significance Correction

### ANOVA

VISKOSBL

|                | Sum of Squares | df | Mean Square | F       | Sig. |
|----------------|----------------|----|-------------|---------|------|
| Between Groups | 18776.035      | 14 | 1341.145    | 237.859 | .000 |
| Within Groups  | 169.152        | 30 | 5.638       |         |      |
| Total          | 18945.187      | 44 |             |         |      |

### ANOVA

VISKOSSD

|                | Sum of Squares | df | Mean Square | F       | Sig. |
|----------------|----------------|----|-------------|---------|------|
| Between Groups | 8662.879       | 14 | 618.777     | 238.015 | .000 |
| Within Groups  | 77.992         | 30 | 2.600       |         |      |
| Total          | 8740.871       | 44 |             |         |      |

### Tests of Between-Subjects Effects

Dependent Variable: VISKOSBL

| Source          | Type III Sum of Squares | df | Mean Square | F         | Sig. |
|-----------------|-------------------------|----|-------------|-----------|------|
| Corrected Model | 18776.035 <sup>a</sup>  | 14 | 1341.145    | 237.859   | .000 |
| Intercept       | 262208.053              | 1  | 262208.053  | 46503.946 | .000 |
| JENIS           | 12679.672               | 2  | 6339.836    | 1124.402  | .000 |
| KONS            | 6005.852                | 4  | 1501.463    | 266.292   | .000 |
| JENIS * KONS    | 90.511                  | 8  | 11.314      | 2.007     | .080 |
| Error           | 169.152                 | 30 | 5.638       |           |      |
| Total           | 281153.240              | 45 |             |           |      |
| Corrected Total | 18945.187               | 44 |             |           |      |

a. R Squared = .991 (Adjusted R Squared = .987)

### Tests of Between-Subjects Effects

Dependent Variable: VSKOSSD

| Source          | Type III Sum of Squares | df | Mean Square | F         | Sig. |
|-----------------|-------------------------|----|-------------|-----------|------|
| Corrected Model | 8662.879 <sup>a</sup>   | 14 | 618.777     | 238.015   | .000 |
| Intercept       | 86915.081               | 1  | 86915.081   | 33432.249 | .000 |
| JENIS           | 2784.604                | 2  | 1392.302    | 535.555   | .000 |
| KONS            | 5821.520                | 4  | 1455.380    | 559.818   | .000 |
| JENIS * KONS    | 56.755                  | 8  | 7.094       | 2.729     | .022 |
| Error           | 77.992                  | 30 | 2.600       |           |      |
| Total           | 95655.952               | 45 |             |           |      |
| Corrected Total | 8740.871                | 44 |             |           |      |

a. R Squared = .991 (Adjusted R Squared = .987)

### VISKOSBL

Duncan<sup>a,b</sup>

| JENIS  | N  | Subset  |         |         |
|--------|----|---------|---------|---------|
|        |    | 1       | 2       | 3       |
| DP     | 15 | 56.0007 |         |         |
| PONDAN | 15 |         | 75.8900 |         |
| WIPPY  | 15 |         |         | 97.1107 |
| Sig.   |    | 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) = 5.638.

- a. Uses Harmonic Mean Sample Size = 15.000.
- b. Alpha = .05.

### VISKOSBL

Duncan<sup>a,b</sup>

| KONS | N | Subset  |         |         |         |         |
|------|---|---------|---------|---------|---------|---------|
|      |   | 1       | 2       | 3       | 4       | 5       |
| 0%   | 9 | 60.5933 |         |         |         |         |
| 25%  | 9 |         | 67.7422 |         |         |         |
| 50%  | 9 |         |         | 75.9244 |         |         |
| 75%  | 9 |         |         |         | 84.2600 |         |
| 100% | 9 |         |         |         |         | 93.1489 |
| Sig. |   | 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) = 5.638.

- a. Uses Harmonic Mean Sample Size = 9.000.
- b. Alpha = .05.



**VISKOSSD**

Duncan<sup>a,b</sup>

| JENIS  | N  | Subset  |         |         |
|--------|----|---------|---------|---------|
|        |    | 1       | 2       | 3       |
| DP     | 15 | 33.9553 |         |         |
| PONDAN | 15 |         | 44.7107 |         |
| WIPPY  | 15 |         |         | 53.1787 |
| Sig.   |    | 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) = 2.600.

a. Uses Harmonic Mean Sample Size = 15.000.

b. Alpha = .05.

**VISKOSSD**

Duncan<sup>a,b</sup>

| KONS | N | Subset  |         |         |         |         |
|------|---|---------|---------|---------|---------|---------|
|      |   | 1       | 2       | 3       | 4       | 5       |
| 0%   | 9 | 28.8511 |         |         |         |         |
| 25%  | 9 |         | 35.2589 |         |         |         |
| 50%  | 9 |         |         | 43.1478 |         |         |
| 75%  | 9 |         |         |         | 51.7411 |         |
| 100% | 9 |         |         |         |         | 60.7422 |
| Sig. |   | 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) = 2.600.

a. Uses Harmonic Mean Sample Size = 9.000.

b. Alpha = .05.

Lampiran 4. Hasil Analisa Data *Hardness* Es Krim Lidah Buaya

**Tests of Normality**

| JENIS       | Kolmogorov-Smirnov <sup>a</sup> |    |       | Shapiro-Wilk |    |      |
|-------------|---------------------------------|----|-------|--------------|----|------|
|             | Statistic                       | df | Sig.  | Statistic    | df | Sig. |
| HARDNESS DP | .094                            | 15 | .200* | .955         | 15 | .587 |
| PONDAN      | .129                            | 15 | .200* | .942         | 15 | .432 |
| WIPPY       | .117                            | 15 | .200* | .966         | 15 | .752 |

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

a. Lilliefors Significance Correction

**Tests of Normality**

| KONS        | Kolmogorov-Smirnov <sup>a</sup> |    |       | Shapiro-Wilk |    |      |
|-------------|---------------------------------|----|-------|--------------|----|------|
|             | Statistic                       | df | Sig.  | Statistic    | df | Sig. |
| HARDNESS 0% | .213                            | 9  | .200* | .858         | 9  | .098 |
| 25%         | .213                            | 9  | .200* | .848         | 9  | .082 |
| 50%         | .221                            | 9  | .200* | .837         | 9  | .064 |
| 75%         | .214                            | 9  | .200* | .859         | 9  | .102 |
| 100%        | .249                            | 9  | .115  | .852         | 9  | .088 |

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

a. Lilliefors Significance Correction

## ANOVA

HARDNESS

|                | Sum of Squares | df | Mean Square | F       | Sig. |
|----------------|----------------|----|-------------|---------|------|
| Between Groups | 20.005         | 14 | 1.429       | 711.293 | .000 |
| Within Groups  | 6.027E-02      | 30 | 2.009E-03   |         |      |
| Total          | 20.065         | 44 |             |         |      |

### Tests of Between-Subjects Effects

Dependent Variable: HARDNESS

| Source          | Type III Sum of Squares | df | Mean Square | F        | Sig. |
|-----------------|-------------------------|----|-------------|----------|------|
| Corrected Model | 1923.516 <sup>a</sup>   | 14 | 137.394     | 684.946  | .000 |
| Intercept       | 48277.758               | 1  | 48277.758   | 240677.5 | .000 |
| JENIS           | 1702.265                | 2  | 851.133     | 4243.122 | .000 |
| KONS            | 202.621                 | 4  | 50.655      | 252.530  | .000 |
| JENIS * KONS    | 18.629                  | 8  | 2.329       | 11.609   | .000 |
| Error           | 6.018                   | 30 | .201        |          |      |
| Total           | 50207.292               | 45 |             |          |      |
| Corrected Total | 1929.534                | 44 |             |          |      |

a. R Squared = .997 (Adjusted R Squared = .995)

### HARDNESS

Duncan<sup>a,b</sup>

| JENIS  | N  | Subset  |         |         |
|--------|----|---------|---------|---------|
|        |    | 1       | 2       | 3       |
| WIPPY  | 15 | 25.6827 |         |         |
| PONDAN | 15 |         | 31.9040 |         |
| DP     | 15 |         |         | 40.6760 |
| Sig.   |    | 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) = .201.

a. Uses Harmonic Mean Sample Size = 15.000.

b. Alpha = .05.

### HARDNESS

Duncan<sup>a,b</sup>

| KONS | N | Subset  |         |         |         |         |
|------|---|---------|---------|---------|---------|---------|
|      |   | 1       | 2       | 3       | 4       | 5       |
| 0%   | 9 | 29.7111 |         |         |         |         |
| 25%  | 9 |         | 31.3256 |         |         |         |
| 50%  | 9 |         |         | 32.8878 |         |         |
| 75%  | 9 |         |         |         | 33.9789 |         |
| 100% | 9 |         |         |         |         | 35.8678 |
| Sig. |   | 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) = .201.

a. Uses Harmonic Mean Sample Size = 9.000.

b. Alpha = .05.

### Lampiran 5. Hasil Analisa Data *Time To Melt* dan *Melting Rate* Es Krim Lidah Buaya

#### Test Statistics<sup>a,b</sup>

|             | TIME   |
|-------------|--------|
| Chi-Square  | 30.546 |
| df          | 2      |
| Asymp. Sig. | .000   |

a. Kruskal Wallis Test

b. Grouping Variable: JENIS

**Test Statistics<sup>a,b</sup>**

|             | TIME   |
|-------------|--------|
| Chi-Square  | 11.829 |
| df          | 4      |
| Asymp. Sig. | .019   |

- a. Kruskal Wallis Test  
 b. Grouping Variable: KONS

**Test Statistics<sup>a,b</sup>**

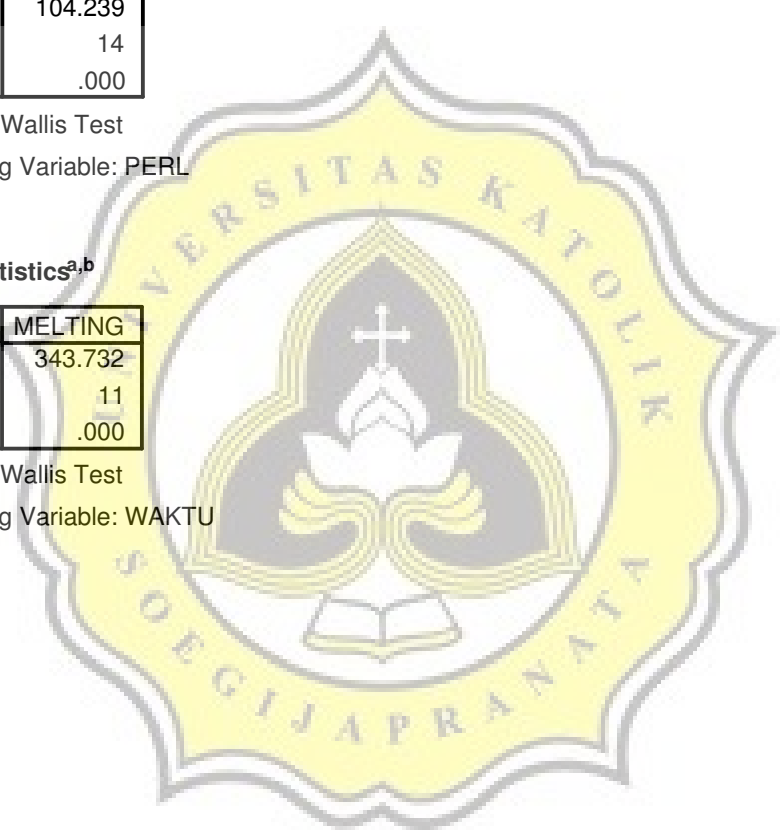
|             | MELTING |
|-------------|---------|
| Chi-Square  | 104.239 |
| df          | 14      |
| Asymp. Sig. | .000    |

- a. Kruskal Wallis Test  
 b. Grouping Variable: PERL

**Test Statistics<sup>a,b</sup>**

|             | MELTING |
|-------------|---------|
| Chi-Square  | 343.732 |
| df          | 11      |
| Asymp. Sig. | .000    |

- a. Kruskal Wallis Test  
 b. Grouping Variable: WAKTU



**Lampiran 6. Hasil Analisa Data Total Padatan Es Krim Lidah Buaya**

**Tests of Normality**

| JENIS        | Kolmogorov-Smirnov <sup>a</sup> |    |       | Shapiro-Wilk |    |      |
|--------------|---------------------------------|----|-------|--------------|----|------|
|              | Statistic                       | df | Sig.  | Statistic    | df | Sig. |
| TOTPD TAN DP | .111                            | 15 | .200* | .940         | 15 | .422 |
| PONDAN       | .109                            | 15 | .200* | .963         | 15 | .714 |
| WIPPY        | .119                            | 15 | .200* | .925         | 15 | .294 |

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

- a. Lilliefors Significance Correction

### Tests of Normality

|           | KONS | Kolmogorov-Smirnov <sup>a</sup> |    |       | Shapiro-Wilk |    |      |
|-----------|------|---------------------------------|----|-------|--------------|----|------|
|           |      | Statistic                       | df | Sig.  | Statistic    | df | Sig. |
| TOTPD TAN | 0%   | .223                            | 9  | .200* | .906         | 9  | .347 |
|           | 25%  | .296                            | 9  | .022  | .846         | 9  | .079 |
|           | 50%  | .181                            | 9  | .200* | .920         | 9  | .421 |
|           | 75%  | .184                            | 9  | .200* | .926         | 9  | .455 |
|           | 100% | .222                            | 9  | .200* | .904         | 9  | .335 |

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

a. Lilliefors Significance Correction

### ANOVA

TOTPD TAN

|                | Sum of Squares | df | Mean Square | F      | Sig. |
|----------------|----------------|----|-------------|--------|------|
| Between Groups | 5.895          | 14 | .421        | 83.992 | .000 |
| Within Groups  | .150           | 30 | 5.013E-03   |        |      |
| Total          | 6.045          | 44 |             |        |      |

### Tests of Between-Subjects Effects

Dependent Variable: TOTPD TAN

| Source          | Type III Sum of Squares | df | Mean Square | F       | Sig.  |
|-----------------|-------------------------|----|-------------|---------|-------|
| Corrected Model | 5.895 <sup>a</sup>      | 14 | .421        | 83.992  | .000  |
| Intercept       | 54402.185               | 1  | 54402.185   | 1.1E+07 | .000  |
| JENIS           | 4.854E-02               | 2  | 2.427E-02   | 4.841   | .015  |
| KONS            | 5.844                   | 4  | 1.461       | 291.434 | .000  |
| JENIS * KONS    | 2.329E-03               | 8  | 2.911E-04   | .058    | 1.000 |
| Error           | .150                    | 30 | 5.013E-03   |         |       |
| Total           | 54408.231               | 45 |             |         |       |
| Corrected Total | 6.045                   | 44 |             |         |       |

a. R Squared = .975 (Adjusted R Squared = .964)

**TOTPD TAN**

Duncan<sup>a,b</sup>

| JENIS  | N  | Subset  |         |
|--------|----|---------|---------|
|        |    | 1       | 2       |
| DP     | 15 | 34.7273 |         |
| PONDAN | 15 | 34.7747 | 34.7747 |
| WIPPY  | 15 |         | 34.8073 |
| Sig.   |    | .077    | .216    |

Means for groups in homogeneous subsets are displayed.

Based on Type III Sum of Squares

The error term is Mean Square(Error) = 5.013E-03.

a. Uses Harmonic Mean Sample Size = 15.000.

b. Alpha = .05.

**TOTPD TAN**

Duncan<sup>a,b</sup>

| KONS | N | Subset  |         |         |         |         |
|------|---|---------|---------|---------|---------|---------|
|      |   | 1       | 2       | 3       | 4       | 5       |
| 0%   | 9 | 34.2511 |         |         |         |         |
| 25%  | 9 |         | 34.5600 |         |         |         |
| 50%  | 9 |         |         | 34.7356 |         |         |
| 75%  | 9 |         |         |         | 35.0022 |         |
| 100% | 9 |         |         |         |         | 35.3000 |
| Sig. |   | 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

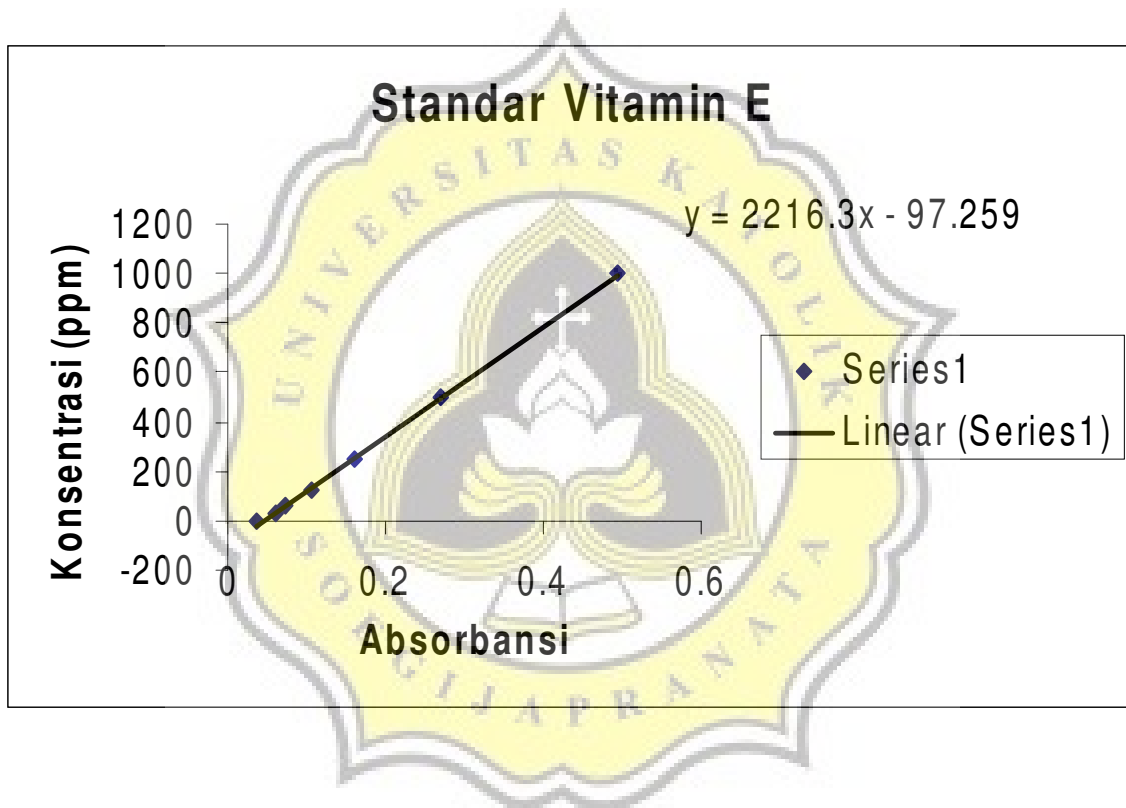
The error term is Mean Square(Error) = 5.013E-03.

a. Uses Harmonic Mean Sample Size = 9.000.

b. Alpha = .05.

Lampiran 7. Nilai Standar dan Grafik Standar Vitamin E

| Konsentrasi (ppm) | Absorbansi |
|-------------------|------------|
| 0                 | 0,0357     |
| 31,25             | 0,0597     |
| 62,5              | 0,0721     |
| 125               | 0,1046     |
| 250               | 0,1605     |
| 500               | 0,2697     |
| 1000              | 0,4932     |





Lampiran 8. Hasil Analisa Data Konsentrasi Vitamin E Es Krim Lidah Buaya

**Tests of Normality**

| JENIS    | Kolmogorov-Smirnov <sup>a</sup> |    |       | Shapiro-Wilk |    |      |
|----------|---------------------------------|----|-------|--------------|----|------|
|          | Statistic                       | df | Sig.  | Statistic    | df | Sig. |
| VIT_E DP | .162                            | 10 | .200* | .920         | 10 | .395 |
| PONDAN   | .159                            | 10 | .200* | .921         | 10 | .402 |
| WIPPY    | .157                            | 10 | .200* | .923         | 10 | .411 |

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

a. Lilliefors Significance Correction

**Tests of Normality**

| KONS     | Kolmogorov-Smirnov <sup>a</sup> |    |       | Shapiro-Wilk |    |      |
|----------|---------------------------------|----|-------|--------------|----|------|
|          | Statistic                       | df | Sig.  | Statistic    | df | Sig. |
| VIT_E 0% | .200                            | 6  | .200* | .951         | 6  | .701 |
| 25%      | .287                            | 6  | .133  | .824         | 6  | .098 |
| 50%      | .189                            | 6  | .200* | .909         | 6  | .431 |
| 75%      | .258                            | 6  | .200* | .880         | 6  | .313 |
| 100%     | .203                            | 6  | .200* | .914         | 6  | .450 |

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

a. Lilliefors Significance Correction

**ANOVA**

VIT\_E

|                | Sum of Squares | df | Mean Square | F      | Sig. |
|----------------|----------------|----|-------------|--------|------|
| Between Groups | 515541.8       | 14 | 36824.413   | 12.343 | .000 |
| Within Groups  | 89503.800      | 30 | 2983.460    |        |      |
| Total          | 605045.6       | 44 |             |        |      |

**Tests of Between-Subjects Effects**

Dependent Variable: VIT\_E

| Source          | Type III Sum of Squares | df | Mean Square | F       | Sig.  |
|-----------------|-------------------------|----|-------------|---------|-------|
| Corrected Model | 515541.786 <sup>a</sup> | 14 | 36824.413   | 12.343  | .000  |
| Intercept       | 588247.950              | 1  | 588247.950  | 197.170 | .000  |
| JENIS           | 13.092                  | 2  | 6.546       | .002    | .998  |
| KONS            | 515518.965              | 4  | 128879.741  | 43.198  | .000  |
| JENIS * KONS    | 9.729                   | 8  | 1.216       | .000    | 1.000 |
| Error           | 89503.800               | 30 | 2983.460    |         |       |
| Total           | 1193293.536             | 45 |             |         |       |
| Corrected Total | 605045.586              | 44 |             |         |       |

a. R Squared = .852 (Adjusted R Squared = .783)

**VIT\_E**

Duncan<sup>a,b</sup>

| JENIS  | N  | Subset  |
|--------|----|---------|
|        |    | 1       |
| DP     | 10 | 86.0734 |
| PONDAN | 10 | 86.4722 |
| WIPPY  | 10 | 87.0042 |
| Sig.   |    | .150    |

Means for groups in homogeneous subsets are displayed.

Based on Type III Sum of Squares

The error term is Mean Square(Error) = 1.703.

a. Uses Harmonic Mean Sample Size = 10.000.

b. Alpha = .05.

**VIT\_E**

Duncan<sup>a,b</sup>

| KONS | N | Subset |         |         |          |          |
|------|---|--------|---------|---------|----------|----------|
|      |   | 1      | 2       | 3       | 4        | 5        |
| 0%   | 6 | 4.5430 |         |         |          |          |
| 25%  | 6 |        | 40.5212 |         |          |          |
| 50%  | 6 |        |         | 82.7047 |          |          |
| 75%  | 6 |        |         |         | 131.4262 |          |
| 100% | 6 |        |         |         |          | 173.8880 |
| Sig. |   | 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) = 1.703.

a. Uses Harmonic Mean Sample Size = 6.000.

b. Alpha = .05.

Lampiran 9. Hasil Uji *Crosstabulation* Parameter Tekstur

**PERL \* NILAI Crosstabulation**

|       |         |               | NILAI        |              |        |               |                      | Total  |
|-------|---------|---------------|--------------|--------------|--------|---------------|----------------------|--------|
|       |         |               | tidak lembut | cukup lembut | lembut | sangat lembut | sangat lembut sekali |        |
| PERL  | DP 0%   | Count         |              | 5            | 8      | 9             | 8                    | 30     |
|       |         | % within PERL |              | 16.7%        | 26.7%  | 30.0%         | 26.7%                | 100.0% |
|       | DP 25%  | Count         | 2            | 4            | 7      | 10            | 7                    | 30     |
|       |         | % within PERL | 6.7%         | 13.3%        | 23.3%  | 33.3%         | 23.3%                | 100.0% |
|       | DP 50%  | Count         | 1            | 4            | 8      | 10            | 7                    | 30     |
|       |         | % within PERL | 3.3%         | 13.3%        | 26.7%  | 33.3%         | 23.3%                | 100.0% |
|       | DP 75%  | Count         | 1            | 4            | 12     | 9             | 4                    | 30     |
|       |         | % within PERL | 3.3%         | 13.3%        | 40.0%  | 30.0%         | 13.3%                | 100.0% |
|       | DP 100% | Count         | 1            | 3            | 16     | 7             | 3                    | 30     |
|       |         | % within PERL | 3.3%         | 10.0%        | 53.3%  | 23.3%         | 10.0%                | 100.0% |
|       | P 0%    | Count         |              |              | 7      | 8             | 15                   | 30     |
|       |         | % within PERL |              |              | 23.3%  | 26.7%         | 50.0%                | 100.0% |
|       | P 25%   | Count         |              | 3            | 7      | 9             | 11                   | 30     |
|       |         | % within PERL |              | 10.0%        | 23.3%  | 30.0%         | 36.7%                | 100.0% |
|       | P 50%   | Count         |              | 4            | 8      | 10            | 8                    | 30     |
|       |         | % within PERL |              | 13.3%        | 26.7%  | 33.3%         | 26.7%                | 100.0% |
|       | P 75%   | Count         |              | 5            | 9      | 8             | 8                    | 30     |
|       |         | % within PERL |              | 16.7%        | 30.0%  | 26.7%         | 26.7%                | 100.0% |
|       | P 100%  | Count         | 1            | 1            | 12     | 9             | 7                    | 30     |
|       |         | % within PERL | 3.3%         | 3.3%         | 40.0%  | 30.0%         | 23.3%                | 100.0% |
|       | W 0%    | Count         |              | 3            | 6      | 7             | 14                   | 30     |
|       |         | % within PERL |              | 10.0%        | 20.0%  | 23.3%         | 46.7%                | 100.0% |
|       | W 25%   | Count         |              | 3            | 6      | 11            | 10                   | 30     |
|       |         | % within PERL |              | 10.0%        | 20.0%  | 36.7%         | 33.3%                | 100.0% |
|       | W 50%   | Count         |              | 3            | 6      | 14            | 7                    | 30     |
|       |         | % within PERL |              | 10.0%        | 20.0%  | 46.7%         | 23.3%                | 100.0% |
|       | W 75%   | Count         |              | 3            | 12     | 8             | 7                    | 30     |
|       |         | % within PERL |              | 10.0%        | 40.0%  | 26.7%         | 23.3%                | 100.0% |
|       | W 100%  | Count         | 1            | 2            | 11     | 8             | 8                    | 30     |
|       |         | % within PERL | 3.3%         | 6.7%         | 36.7%  | 26.7%         | 26.7%                | 100.0% |
| Total |         | Count         | 7            | 47           | 135    | 137           | 124                  | 450    |
|       |         | % within PERL | 1.6%         | 10.4%        | 30.0%  | 30.4%         | 27.6%                | 100.0% |

Lampiran 10. Hasil Uji *Crosstabulation* Parameter *Flavor*

**PERL \* NILAI Crosstabulation**

|       |         |               | NILAI      |            |       |             |                    | Total  |
|-------|---------|---------------|------------|------------|-------|-------------|--------------------|--------|
|       |         |               | tidak suka | cukup suka | suka  | sangat suka | sangat suka sekali |        |
| PERL  | DP 0%   | Count         |            | 6          | 14    | 6           | 4                  | 30     |
|       |         | % within PERL |            | 20.0%      | 46.7% | 20.0%       | 13.3%              | 100.0% |
|       | DP 25%  | Count         |            | 7          | 14    | 5           | 4                  | 30     |
|       |         | % within PERL |            | 23.3%      | 46.7% | 16.7%       | 13.3%              | 100.0% |
|       | DP 50%  | Count         |            | 6          | 13    | 7           | 4                  | 30     |
|       |         | % within PERL |            | 20.0%      | 43.3% | 23.3%       | 13.3%              | 100.0% |
|       | DP 75%  | Count         | 1          | 7          | 13    | 7           | 2                  | 30     |
|       |         | % within PERL | 3.3%       | 23.3%      | 43.3% | 23.3%       | 6.7%               | 100.0% |
|       | DP 100% | Count         | 1          | 7          | 10    | 7           | 5                  | 30     |
|       |         | % within PERL | 3.3%       | 23.3%      | 33.3% | 23.3%       | 16.7%              | 100.0% |
|       | P 0%    | Count         |            | 6          | 12    | 8           | 4                  | 30     |
|       |         | % within PERL |            | 20.0%      | 40.0% | 26.7%       | 13.3%              | 100.0% |
|       | P 25%   | Count         | 3          | 5          | 12    | 6           | 4                  | 30     |
|       |         | % within PERL | 10.0%      | 16.7%      | 40.0% | 20.0%       | 13.3%              | 100.0% |
|       | P 50%   | Count         |            | 5          | 12    | 10          | 3                  | 30     |
|       |         | % within PERL |            | 16.7%      | 40.0% | 33.3%       | 10.0%              | 100.0% |
|       | P 75%   | Count         | 3          | 13         | 8     | 4           | 2                  | 30     |
|       |         | % within PERL | 10.0%      | 43.3%      | 26.7% | 13.3%       | 6.7%               | 100.0% |
|       | P 100%  | Count         | 4          | 11         | 10    | 5           |                    | 30     |
|       |         | % within PERL | 13.3%      | 36.7%      | 33.3% | 16.7%       |                    | 100.0% |
|       | W 0%    | Count         |            | 8          | 10    | 8           | 4                  | 30     |
|       |         | % within PERL |            | 26.7%      | 33.3% | 26.7%       | 13.3%              | 100.0% |
|       | W 25%   | Count         | 3          | 9          | 9     | 7           | 2                  | 30     |
|       |         | % within PERL | 10.0%      | 30.0%      | 30.0% | 23.3%       | 6.7%               | 100.0% |
|       | W 50%   | Count         |            | 8          | 7     | 12          | 3                  | 30     |
|       |         | % within PERL |            | 26.7%      | 23.3% | 40.0%       | 10.0%              | 100.0% |
|       | W 75%   | Count         | 5          | 9          | 10    | 4           | 2                  | 30     |
|       |         | % within PERL | 16.7%      | 30.0%      | 33.3% | 13.3%       | 6.7%               | 100.0% |
|       | W 100%  | Count         | 5          | 11         | 10    | 2           | 2                  | 30     |
|       |         | % within PERL | 16.7%      | 36.7%      | 33.3% | 6.7%        | 6.7%               | 100.0% |
| Total |         | Count         | 25         | 118        | 164   | 98          | 45                 | 450    |
|       |         | % within PERL | 5.6%       | 26.2%      | 36.4% | 21.8%       | 10.0%              | 100.0% |

Lampiran 11. Hasil Uji *Crosstabulation* Parameter Kesukaan

**PERL \* NILAI Crosstabulation**

|       |         |               | NILAI      |            |       |             |                    | Total  |
|-------|---------|---------------|------------|------------|-------|-------------|--------------------|--------|
|       |         |               | tidak suka | cukup suka | suka  | sangat suka | sangat suka sekali |        |
| PERL  | DP 0%   | Count         |            | 5          | 13    | 8           | 4                  | 30     |
|       |         | % within PERL |            | 16.7%      | 43.3% | 26.7%       | 13.3%              | 100.0% |
|       | DP 25%  | Count         | 1          | 8          | 12    | 8           | 1                  | 30     |
|       |         | % within PERL | 3.3%       | 26.7%      | 40.0% | 26.7%       | 3.3%               | 100.0% |
|       | DP 50%  | Count         |            | 7          | 11    | 5           | 7                  | 30     |
|       |         | % within PERL |            | 23.3%      | 36.7% | 16.7%       | 23.3%              | 100.0% |
|       | DP 75%  | Count         | 1          | 6          | 12    | 10          | 1                  | 30     |
|       |         | % within PERL | 3.3%       | 20.0%      | 40.0% | 33.3%       | 3.3%               | 100.0% |
|       | DP 100% | Count         |            | 10         | 9     | 8           | 3                  | 30     |
|       |         | % within PERL |            | 33.3%      | 30.0% | 26.7%       | 10.0%              | 100.0% |
|       | P 0%    | Count         | 1          | 6          | 13    | 8           | 2                  | 30     |
|       |         | % within PERL | 3.3%       | 20.0%      | 43.3% | 26.7%       | 6.7%               | 100.0% |
|       | P 25%   | Count         | 2          | 9          | 11    | 5           | 3                  | 30     |
|       |         | % within PERL | 6.7%       | 30.0%      | 36.7% | 16.7%       | 10.0%              | 100.0% |
|       | P 50%   | Count         | 1          | 7          | 8     | 6           | 8                  | 30     |
|       |         | % within PERL | 3.3%       | 23.3%      | 26.7% | 20.0%       | 26.7%              | 100.0% |
|       | P 75%   | Count         | 3          | 10         | 9     | 7           | 1                  | 30     |
|       |         | % within PERL | 10.0%      | 33.3%      | 30.0% | 23.3%       | 3.3%               | 100.0% |
|       | P 100%  | Count         | 3          | 8          | 12    | 6           | 1                  | 30     |
|       |         | % within PERL | 10.0%      | 26.7%      | 40.0% | 20.0%       | 3.3%               | 100.0% |
|       | W 0%    | Count         | 1          | 9          | 10    | 7           | 3                  | 30     |
|       |         | % within PERL | 3.3%       | 30.0%      | 33.3% | 23.3%       | 10.0%              | 100.0% |
|       | W 25%   | Count         | 1          | 10         | 11    | 6           | 2                  | 30     |
|       |         | % within PERL | 3.3%       | 33.3%      | 36.7% | 20.0%       | 6.7%               | 100.0% |
|       | W 50%   | Count         | 1          | 6          | 8     | 10          | 5                  | 30     |
|       |         | % within PERL | 3.3%       | 20.0%      | 26.7% | 33.3%       | 16.7%              | 100.0% |
|       | W 75%   | Count         | 4          | 12         | 8     | 5           | 1                  | 30     |
|       |         | % within PERL | 13.3%      | 40.0%      | 26.7% | 16.7%       | 3.3%               | 100.0% |
|       | W 100%  | Count         | 4          | 12         | 9     | 4           | 1                  | 30     |
|       |         | % within PERL | 13.3%      | 40.0%      | 30.0% | 13.3%       | 3.3%               | 100.0% |
| Total |         | Count         | 23         | 125        | 156   | 103         | 43                 | 450    |
|       |         | % within PERL | 5.1%       | 27.8%      | 34.7% | 22.9%       | 9.6%               | 100.0% |

## KUESIONER UJI ORGANOLEPTIK

**Nama** :  
**Umur** :  
**Jenis kelamin** :  
**Waktu pelaksanaan** :  
**Jurusan** :

Saudara diminta untuk memberikan penilaian terhadap tekstur, kesukaan, dan flavor dari produk *ice cream* lidah buaya yang dihasilkan. Sampel yang disediakan terdiri dari 15 jenis dengan formulasi yang berbeda. Penilaian dilakukan dengan cara memberi angka pada kolom yang telah disediakan dengan kriteria rangking penilaian yang ada.

| Kode Sampel | Tekstur | Kesukaan | Flavor |
|-------------|---------|----------|--------|
| 095         |         |          |        |
| 142         |         |          |        |
| 180         |         |          |        |
| 256         |         |          |        |
| 321         |         |          |        |
| 524         |         |          |        |
| 329         |         |          |        |
| 435         |         |          |        |
| 246         |         |          |        |
| 237         |         |          |        |
| 562         |         |          |        |
| 426         |         |          |        |
| 125         |         |          |        |
| 301         |         |          |        |
| 255         |         |          |        |

**NB : Flavor meliputi Aroma dan Rasa**

| Ranking | Tekstur              | Kesukaan           | Flavor             |
|---------|----------------------|--------------------|--------------------|
| 1       | Kasar                | Tidak suka         | Tidak suka         |
| 2       | Cukup Lembut         | Cukup suka         | Cukup suka         |
| 3       | Lembut               | Suka               | Suka               |
| 4       | Sangat lembut        | Sangat suka        | Sangat suka        |
| 5       | Sangat lembut sekali | Sangat suka sekali | Sangat suka sekali |

Terima kasih