

## 6. DAFTAR PUSTAKA

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## 7. LAMPIRAN

### Hasil Pengolahan SPSS

#### Plat Pengumpul Panas

11.00

#### ANOVA

suhu

|                | Sum of Squares | df | Mean Square | F     | Sig. |
|----------------|----------------|----|-------------|-------|------|
| Between Groups | 853.368        | 2  | 426.684     | 3.510 | .041 |
| Within Groups  | 4376.542       | 36 | 121.571     |       |      |
| Total          | 5229.910       | 38 |             |       |      |

#### Post Hoc Tests

#### Homogeneous Subsets

suhu

Duncan<sup>a</sup>

| perlakuan       | N  | Subset for alpha = .05 |         |
|-----------------|----|------------------------|---------|
|                 |    | 1                      | 2       |
| kontrol         | 13 | 38.8923                |         |
| stainless steel | 13 | 45.2923                | 45.2923 |
| aluminium       | 13 |                        | 50.3231 |
| Sig.            |    | .148                   | .252    |

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 13.000.

11:15

#### ANOVA

suhu

|                | Sum of Squares | df | Mean Square | F      | Sig. |
|----------------|----------------|----|-------------|--------|------|
| Between Groups | 70.820         | 2  | 35.410      | 12.068 | .008 |
| Within Groups  | 17.605         | 6  | 2.934       |        |      |
| Total          | 88.425         | 8  |             |        |      |

#### Post Hoc Tests

#### Homogeneous Subsets

suhu

Duncan<sup>a</sup>

| perlakuan       | N | Subset for alpha = .05 |         |
|-----------------|---|------------------------|---------|
|                 |   | 1                      | 2       |
| kontrol         | 3 | 36.2000                |         |
| stainless steel | 3 | 36.3000                |         |
| aluminium       | 3 |                        | 42.2000 |
| Sig.            |   | .945                   | 1.000   |

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

11:30

**ANOVA**

suhu

|                | Sum of Squares | df | Mean Square | F      | Sig. |
|----------------|----------------|----|-------------|--------|------|
| Between Groups | 153.140        | 2  | 76.570      | 16.370 | .004 |
| Within Groups  | 28.064         | 6  | 4.677       |        |      |
| Total          | 181.204        | 8  |             |        |      |

**Post Hoc Tests****Homogeneous Subsets**

suhu

Duncan<sup>a</sup>

| perlakuan       | N | Subset for alpha = .05 |         |
|-----------------|---|------------------------|---------|
|                 |   | 1                      | 2       |
| kontrol         | 3 | 39.4000                |         |
| stainless steel | 3 | 42.6000                |         |
| aluminium       | 3 |                        | 49.3000 |
| Sig.            |   | .120                   | 1.000   |

Means for groups in homogeneous subsets are displayed.  
 a. Uses Harmonic Mean Sample Size = 3.000.

11:45

**ANOVA**

suhu

|                | Sum of Squares | df | Mean Square | F      | Sig. |
|----------------|----------------|----|-------------|--------|------|
| Between Groups | 202.560        | 2  | 101.280     | 29.448 | .001 |
| Within Groups  | 20.636         | 6  | 3.439       |        |      |
| Total          | 223.196        | 8  |             |        |      |

**Post Hoc Tests****Homogeneous Subsets**

suhu

Duncan<sup>a</sup>

| perlakuan       | N | Subset for alpha = .05 |         |         |
|-----------------|---|------------------------|---------|---------|
|                 |   | 1                      | 2       | 3       |
| kontrol         | 3 | 42.3000                |         |         |
| stainless steel | 3 |                        | 48.7000 |         |
| aluminium       | 3 |                        |         | 53.9000 |
| Sig.            |   | 1.000                  | 1.000   | 1.000   |

Means for groups in homogeneous subsets are displayed.  
 a. Uses Harmonic Mean Sample Size = 3.000.

12:00

## ANOVA

| suhu           |                |    |             |        |      |
|----------------|----------------|----|-------------|--------|------|
|                | Sum of Squares | df | Mean Square | F      | Sig. |
| Between Groups | 314.340        | 2  | 157.170     | 32.487 | .001 |
| Within Groups  | 29.028         | 6  | 4.838       |        |      |
| Total          | 343.368        | 8  |             |        |      |

## Post Hoc Tests

## Homogeneous Subsets

| suhu                |   |                        |         |         |      |
|---------------------|---|------------------------|---------|---------|------|
| Duncan <sup>a</sup> |   |                        |         |         |      |
| perlakuan           | N | Subset for alpha = .05 |         |         | Sig. |
|                     |   | 1                      | 2       | 3       |      |
| kontrol             | 3 | 44.8000                |         |         |      |
| stainless steel     | 3 |                        | 53.9000 |         |      |
| aluminium           | 3 |                        |         | 59.1000 |      |
| Sig.                |   | 1.000                  | 1.000   | 1.000   |      |

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

12:15

## ANOVA

| suhu           |                |    |             |        |      |
|----------------|----------------|----|-------------|--------|------|
|                | Sum of Squares | df | Mean Square | F      | Sig. |
| Between Groups | 414.320        | 2  | 207.160     | 42.743 | .000 |
| Within Groups  | 29.080         | 6  | 4.847       |        |      |
| Total          | 443.400        | 8  |             |        |      |

## Post Hoc Tests

## Homogeneous Subsets

| suhu                |   |                        |         |         |      |
|---------------------|---|------------------------|---------|---------|------|
| Duncan <sup>a</sup> |   |                        |         |         |      |
| perlakuan           | N | Subset for alpha = .05 |         |         | Sig. |
|                     |   | 1                      | 2       | 3       |      |
| kontrol             | 3 | 47.7000                |         |         |      |
| stainless steel     | 3 |                        | 56.7000 |         |      |
| aluminium           | 3 |                        |         | 64.3000 |      |
| Sig.                |   | 1.000                  | 1.000   | 1.000   |      |

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

12:30

**ANOVA**

| suhu           |                |    |             |        |      |
|----------------|----------------|----|-------------|--------|------|
|                | Sum of Squares | df | Mean Square | F      | Sig. |
| Between Groups | 634.380        | 2  | 317.190     | 55.230 | .000 |
| Within Groups  | 34.458         | 6  | 5.743       |        |      |
| Total          | 668.838        | 8  |             |        |      |

**Post Hoc Tests****Homogeneous Subsets**

| suhu                |   |                        |         |         |      |
|---------------------|---|------------------------|---------|---------|------|
| Duncan <sup>a</sup> |   |                        |         |         |      |
| perlakuan           | N | Subset for alpha = .05 |         |         | Sig. |
|                     |   | 1                      | 2       | 3       |      |
| kontrol             | 3 | 46.2000                |         |         |      |
| stainless steel     | 3 |                        | 59.2000 |         |      |
| aluminium           | 3 |                        |         | 66.5000 |      |
| Sig.                |   | 1.000                  | 1.000   | 1.000   |      |

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

12:45

**ANOVA**

| suhu           |                |    |             |         |      |
|----------------|----------------|----|-------------|---------|------|
|                | Sum of Squares | df | Mean Square | F       | Sig. |
| Between Groups | 847.460        | 2  | 423.730     | 167.117 | .000 |
| Within Groups  | 15.213         | 6  | 2.536       |         |      |
| Total          | 862.673        | 8  |             |         |      |

**Post Hoc Tests****Homogeneous Subsets**

| suhu                |   |                        |         |         |      |
|---------------------|---|------------------------|---------|---------|------|
| Duncan <sup>a</sup> |   |                        |         |         |      |
| perlakuan           | N | Subset for alpha = .05 |         |         | Sig. |
|                     |   | 1                      | 2       | 3       |      |
| kontrol             | 3 | 42.1000                |         |         |      |
| stainless steel     | 3 |                        | 58.5000 |         |      |
| aluminium           | 3 |                        |         | 65.2000 |      |
| Sig.                |   | 1.000                  | 1.000   | 1.000   |      |

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.



13:00

## ANOVA

| suhu           |                |    |             |         |      |
|----------------|----------------|----|-------------|---------|------|
|                | Sum of Squares | df | Mean Square | F       | Sig. |
| Between Groups | 859.340        | 2  | 429.670     | 184.701 | .000 |
| Within Groups  | 13.958         | 6  | 2.326       |         |      |
| Total          | 873.298        | 8  |             |         |      |

## Post Hoc Tests

## Homogeneous Subsets

| suhu                |   |                        |         |         |
|---------------------|---|------------------------|---------|---------|
| Duncan <sup>a</sup> |   |                        |         |         |
| perlakuan           | N | Subset for alpha = .05 |         |         |
|                     |   | 1                      | 2       | 3       |
| kontrol             | 3 | 40.6000                |         |         |
| stainless steel     | 3 |                        | 54.7000 |         |
| aluminium           | 3 |                        |         | 64.4000 |
| Sig.                |   | 1.000                  | 1.000   | 1.000   |

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

13:15

## ANOVA

| suhu           |                |    |             |        |      |
|----------------|----------------|----|-------------|--------|------|
|                | Sum of Squares | df | Mean Square | F      | Sig. |
| Between Groups | 793.820        | 2  | 396.910     | 78.288 | .000 |
| Within Groups  | 30.419         | 6  | 5.070       |        |      |
| Total          | 824.239        | 8  |             |        |      |

## Post Hoc Tests

## Homogeneous Subsets

| suhu                |   |                        |         |         |
|---------------------|---|------------------------|---------|---------|
| Duncan <sup>a</sup> |   |                        |         |         |
| perlakuan           | N | Subset for alpha = .05 |         |         |
|                     |   | 1                      | 2       | 3       |
| kontrol             | 3 | 38.3000                |         |         |
| stainless steel     | 3 |                        | 50.2000 |         |
| aluminium           | 3 |                        |         | 61.3000 |
| Sig.                |   | 1.000                  | 1.000   | 1.000   |

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

Warna

## ANOVA

L

|                | Sum of Squares | df | Mean Square | F        | Sig. |
|----------------|----------------|----|-------------|----------|------|
| Between Groups | 350.486        | 3  | 116.829     | 1087.772 | .000 |
| Within Groups  | .859           | 8  | .107        |          |      |
| Total          | 351.346        | 11 |             |          |      |

## ANOVA

a

|                | Sum of Squares | df | Mean Square | F        | Sig. |
|----------------|----------------|----|-------------|----------|------|
| Between Groups | 452.882        | 3  | 150.961     | 1506.789 | .000 |
| Within Groups  | .801           | 8  | .100        |          |      |
| Total          | 453.684        | 11 |             |          |      |

## ANOVA

b

|                | Sum of Squares | df | Mean Square | F        | Sig. |
|----------------|----------------|----|-------------|----------|------|
| Between Groups | 1266.629       | 3  | 422.210     | 1157.987 | .000 |
| Within Groups  | 2.917          | 8  | .365        |          |      |
| Total          | 1269.546       | 11 |             |          |      |

Aktivitas antioksidan

antioksidan

|                | Sum of Squares | df | Mean Square | F        | Sig. |
|----------------|----------------|----|-------------|----------|------|
| Between Groups | 24710.02       | 3  | 8236.674    | 44534.60 | .000 |
| Within Groups  | 1.480          | 8  | .185        |          |      |
| Total          | 24711.50       | 11 |             |          |      |

## Post Hoc Tests

## Homogeneous Subsets

antioksidan

Duncan<sup>a</sup>

| perlakuan              | N | Subset for alpha = .05 |         |         |          |
|------------------------|---|------------------------|---------|---------|----------|
|                        |   | 1                      | 2       | 3       | 4        |
| kontrol                | 3 | 74.2219                |         |         |          |
| penutup mika           | 3 |                        | 83.0770 |         |          |
| penutup aluminium foil | 3 |                        |         | 96.5313 |          |
| fresh                  | 3 |                        |         |         | 187.7882 |
| Sig.                   |   | 1.000                  | 1.000   | 1.000   | 1.000    |

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.