# 7. LAMPIRAN

## Lampiran 1. Uji Normalitas

**Tests of Normality**

| | Kolmogorov-Smirnov[a] | | | Shapiro-Wilk | | |
|---|---|---|---|---|---|---|
| | Statistic | df | Sig. | Statistic | df | Sig. |
| Aktioksidan | .055 | 243 | .072 | .988 | 243 | .042 |
| Total Fenolik | .050 | 243 | .200* | .988 | 243 | .041 |
| Warna L | .047 | 243 | .200* | .991 | 243 | .122 |
| Warna a | .054 | 243 | .088 | .977 | 243 | .001 |
| Warna b | .049 | 243 | .200* | .984 | 243 | .008 |

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

a. Lilliefors Significance Correction

## Uji Normalitas Data Normal Berdasarkan Suhu Pengeringan

**Tests of Normality**

| | Suhu Pengeringan | Kolmogorov-Smirnov[a] | | | Shapiro-Wilk | | |
|---|---|---|---|---|---|---|---|
| | | Statistic | df | Sig. | Statistic | df | Sig. |
| Total Fenolik | 45oC | .063 | 81 | .200* | .968 | 81 | .040 |
| | 50oC | .054 | 81 | .200* | .972 | 81 | .073 |
| | 55oC | .089 | 81 | .169 | .975 | 81 | .113 |
| Aktioksidan | 45oC | .057 | 81 | .200* | .988 | 81 | .635 |
| | 50oC | .063 | 81 | .200* | .984 | 81 | .407 |
| | 55oC | .094 | 81 | .074 | .971 | 81 | .061 |
| Warna L | 45oC | .069 | 81 | .200* | .974 | 81 | .098 |
| | 50oC | .056 | 81 | .200* | .977 | 81 | .162 |
| | 55oC | .068 | 81 | .200* | .976 | 81 | .125 |
| Warna a | 45oC | .072 | 81 | .200* | .968 | 81 | .041 |
| | 50oC | .082 | 81 | .200* | .960 | 81 | .014 |
| | 55oC | .062 | 81 | .200* | .971 | 81 | .065 |
| Warna b | 45oC | .082 | 81 | .200* | .971 | 81 | .067 |
| | 50oC | .076 | 81 | .200* | .970 | 81 | .054 |
| | 55oC | .083 | 81 | .200* | .973 | 81 | .085 |

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

a. Lilliefors Significance Correction

## Uji Normalitas Data Normal Berdasarkan Waktu Penyeduhan

**Tests of Normality**

| | | Kolmogorov-Smirnov[a] | | | Shapiro-Wilk | | |
|---|---|---|---|---|---|---|---|
| | Waktu Penyeduhan | Statistic | df | Sig. | Statistic | df | Sig. |
| Total Fenolik | 0,5 Menit | .148 | 27 | .136 | .902 | 27 | .015 |
| | 3 Menit | .142 | 27 | .172 | .969 | 27 | .585 |
| | 6 Menit | .145 | 27 | .150 | .961 | 27 | .395 |
| | 9 Menit | .144 | 27 | .159 | .975 | 27 | .733 |
| | 12 Menit | .127 | 27 | .200* | .929 | 27 | .065 |
| | 15 Menit | .152 | 27 | .111 | .951 | 27 | .229 |
| | 18 Menit | .157 | 27 | .087 | .937 | 27 | .102 |
| | 21 Menit | .148 | 27 | .131 | .912 | 27 | .025 |
| | 24 Menit | .139 | 27 | .195 | .946 | 27 | .171 |
| Aktioksidan | 0,5 Menit | .099 | 27 | .200* | .961 | 27 | .392 |
| | 3 Menit | .101 | 27 | .200* | .962 | 27 | .401 |
| | 6 Menit | .139 | 27 | .195 | .901 | 27 | .014 |
| | 9 Menit | .158 | 27 | .083 | .931 | 27 | .073 |
| | 12 Menit | .148 | 27 | .133 | .946 | 27 | .172 |
| | 15 Menit | .142 | 27 | .170 | .920 | 27 | .040 |
| | 18 Menit | .148 | 27 | .135 | .955 | 27 | .289 |
| | 21 Menit | .153 | 27 | .103 | .962 | 27 | .415 |
| | 24 Menit | .093 | 27 | .200* | .978 | 27 | .809 |
| Warna L | 0,5 Menit | .157 | 27 | .087 | .901 | 27 | .014 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | 3 Menit | .152 | 27 | .113 | .947 | 27 | .184 |
| | 6 Menit | .108 | 27 | .200* | .966 | 27 | .501 |
| | 9 Menit | .142 | 27 | .175 | .937 | 27 | .101 |
| | 12 Menit | .163 | 27 | .064 | .946 | 27 | .167 |
| | 15 Menit | .158 | 27 | .081 | .944 | 27 | .152 |
| | 18 Menit | .138 | 27 | .200* | .956 | 27 | .301 |
| | 21 Menit | .158 | 27 | .080 | .921 | 27 | .042 |
| | 24 Menit | .121 | 27 | .200* | .944 | 27 | .154 |
| Warna a | 0,5 Menit | .131 | 27 | .200* | .947 | 27 | .179 |
| | 3 Menit | .157 | 27 | .087 | .902 | 27 | .015 |
| | 6 Menit | .137 | 27 | .200* | .963 | 27 | .438 |
| | 9 Menit | .163 | 27 | .064 | .949 | 27 | .198 |
| | 12 Menit | .147 | 27 | .142 | .949 | 27 | .206 |
| | 15 Menit | .129 | 27 | .200* | .958 | 27 | .329 |
| | 18 Menit | .158 | 27 | .083 | .963 | 27 | .436 |
| | 21 Menit | .163 | 27 | .064 | .940 | 27 | .122 |
| | 24 Menit | .161 | 27 | .069 | .923 | 27 | .046 |
| Warna b | 0,5 Menit | .147 | 27 | .141 | .920 | 27 | .039 |
| | 3 Menit | .152 | 27 | .112 | .927 | 27 | .059 |
| | 6 Menit | .111 | 27 | .200* | .949 | 27 | .197 |
| | 9 Menit | .156 | 27 | .091 | .898 | 27 | .012 |
| | 12 Menit | .152 | 27 | .110 | .932 | 27 | .078 |
| | 15 Menit | .149 | 27 | .131 | .953 | 27 | .255 |
| | 18 Menit | .136 | 27 | .200* | .938 | 27 | .110 |
| | 21 Menit | .158 | 27 | .083 | .879 | 27 | .005 |
| | 24 Menit | .156 | 27 | .093 | .933 | 27 | .080 |

*. This is a lower bound of the true significance.
a. Lilliefors Significance Correction

## Lampiran 2. Hasil Uji Homogenitas

**Test of Homogeneity of Variance**

| | | Levene Statistic | df1 | df2 | Sig. |
|---|---|---|---|---|---|
| Total Fenolik | Based on Mean | .481 | 2 | 240 | .619 |
| | Based on Median | .454 | 2 | 240 | .636 |
| | Based on Median and with adjusted df | .454 | 2 | 235.904 | .636 |
| | Based on trimmed mean | .491 | 2 | 240 | .613 |
| Aktioksidan | Based on Mean | 1.528 | 2 | 240 | .219 |
| | Based on Median | 1.532 | 2 | 240 | .218 |
| | Based on Median and with adjusted df | 1.532 | 2 | 233.311 | .218 |
| | Based on trimmed mean | 1.531 | 2 | 240 | .219 |
| Warna L | Based on Mean | .091 | 2 | 240 | .913 |
| | Based on Median | .066 | 2 | 240 | .936 |
| | Based on Median and with adjusted df | .066 | 2 | 238.498 | .936 |
| | Based on trimmed mean | .088 | 2 | 240 | .916 |
| Warna a | Based on Mean | 1.258 | 2 | 240 | .286 |
| | Based on Median | 1.226 | 2 | 240 | .295 |
| | Based on Median and with adjusted df | 1.226 | 2 | 236.848 | .295 |
| | Based on trimmed mean | 1.230 | 2 | 240 | .294 |
| Warna b | Based on Mean | .019 | 2 | 240 | .981 |
| | Based on Median | .014 | 2 | 240 | .986 |
| | Based on Median and with adjusted df | .014 | 2 | 234.603 | .986 |
| | Based on trimmed mean | .014 | 2 | 240 | .986 |

## Lampiran 3. Hasil Uji *Duncan*

## Total Fenolik

**Total Fenolik**

Duncan[a,b]

| Suhu Pengeringan | N | Subset 1 | Subset 2 |
|---|---|---|---|
| 45oC | 81 | 11.4901 | |
| 50oC | 81 | 11.5548 | |
| 55oC | 81 | | 11.8084 |
| Sig. | | .235 | 1.000 |

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = .119.
a. Uses Harmonic Mean Sample Size = 81.000.
b. Alpha = .05.

**Total Fenolik**

Duncan[a,b]

| Waktu Penyeduhan | N | Subset 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|---|
| 0,5 Menit | 27 | 10.6326 | | | | | |
| 3 Menit | 27 | | 10.9696 | | | | |
| 6 Menit | 27 | | | 11.4222 | | | |
| 24 Menit | 27 | | | 11.4244 | | | |
| 21 Menit | 27 | | | 11.6041 | 11.6041 | | |
| 9 Menit | 27 | | | 11.6052 | 11.6052 | | |
| 12 Menit | 27 | | | | 11.7370 | | |
| 15 Menit | 27 | | | | | 12.3837 | |
| 18 Menit | 27 | | | | | | 12.7811 |
| Sig. | | 1.000 | 1.000 | .076 | .185 | 1.000 | 1.000 |

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = .119.
a. Uses Harmonic Mean Sample Size = 27.000.
b. Alpha = .05.

## Antioksidan

**Aktioksidan**

Duncan[a,b]

| Suhu Pengeringan | N | Subset 1 | Subset 2 | Subset 3 |
|---|---|---|---|---|
| 45oC | 81 | 61.8077 | | |
| 50oC | 81 | | 66.3847 | |
| 55oC | 81 | | | 70.8689 |
| Sig. | | 1.000 | 1.000 | 1.000 |

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = 5.130.
a. Uses Harmonic Mean Sample Size = 81.000.
b. Alpha = .05.

**Aktioksidan**

Duncan[a,b]

| Waktu Penyeduhan | N | Subset 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|
| 0,5 Menit | 27 | 51.2533 | | | | | | |
| 3 Menit | 27 | | 57.5041 | | | | | |
| 6 Menit | 27 | | | 63.0319 | | | | |
| 24 Menit | 27 | | | 63.8800 | | | | |
| 9 Menit | 27 | | | | 66.5474 | | | |
| 12 Menit | 27 | | | | | 69.8856 | | |
| 21 Menit | 27 | | | | | 70.7611 | | |
| 15 Menit | 27 | | | | | | 74.0785 | |
| 18 Menit | 27 | | | | | | | 80.2419 |
| Sig. | | 1.000 | 1.000 | .170 | 1.000 | .157 | 1.000 | 1.000 |

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = 5.130.
a. Uses Harmonic Mean Sample Size = 27.000.
b. Alpha = .05.

## Warna L

**Warna L**

Duncan[a,b]

| Suhu Pengeringan | N | Subset 1 | Subset 2 | Subset 3 |
|---|---|---|---|---|
| 55oC | 81 | 13.5714 | | |
| 50oC | 81 | | 13.8895 | |
| 45oC | 81 | | | 14.4277 |
| Sig. | | 1.000 | 1.000 | 1.000 |

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = .062.
a. Uses Harmonic Mean Sample Size = 81.000.
b. Alpha = .05.

**Warna L**

Duncan[a,b]

| Waktu Penyeduhan | N | Subset 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|
| 24 Menit | 2 | 11.84 | | | | | | | | |
| | 7 | 67 | | | | | | | | |
| 21 Menit | 2 | | 12.66 | | | | | | | |
| | 7 | | 30 | | | | | | | |
| 18 Menit | 2 | | | 13.17 | | | | | | |
| | 7 | | | 52 | | | | | | |
| 15 Menit | 2 | | | | 13.65 | | | | | |
| | 7 | | | | 56 | | | | | |
| 12 Menit | 2 | | | | | 14.02 | | | | |
| | 7 | | | | | 26 | | | | |
| 9 Menit | 2 | | | | | | 14.34 | | | |
| | 7 | | | | | | 67 | | | |
| 6 Menit | 2 | | | | | | | 14.70 | | |
| | 7 | | | | | | | 70 | | |
| 3 Menit | 2 | | | | | | | | 15.29 | |
| | 7 | | | | | | | | 93 | |
| 0,5 Menit | 2 | | | | | | | | | 15.94 |
| | 7 | | | | | | | | | 96 |
| Sig. | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = .062.
a. Uses Harmonic Mean Sample Size = 27.000.
b. Alpha = .05.

## Warna a*

**Warna a**

Duncan[a,b]

| Suhu Pengeringan | N | Subset 1 | Subset 2 | Subset 3 |
|---|---|---|---|---|
| 45oC | 81 | 1.5684 | | |
| 50oC | 81 | | 1.7214 | |
| 55oC | 81 | | | 1.9977 |
| Sig. | | 1.000 | 1.000 | 1.000 |

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = .034.
a. Uses Harmonic Mean Sample Size = 81.000.
b. Alpha = .05.

**Warna a**

Duncan[a,b]

| Waktu Penyeduhan | N | Subset 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|
| 0,5 Menit | 27 | .5370 | | | | | | | | |
| 24 Menit | 27 | | 1.0163 | | | | | | | |
| 3 Menit | 27 | | | 1.2130 | | | | | | |
| 6 Menit | 27 | | | | 1.4848 | | | | | |
| 9 Menit | 27 | | | | | 1.7311 | | | | |
| 12 Menit | 27 | | | | | | 2.0378 | | | |
| 21 Menit | 27 | | | | | | | 2.1426 | | |
| 15 Menit | 27 | | | | | | | | 2.4196 | |
| 18 Menit | 27 | | | | | | | | | 3.2800 |
| Sig. | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = .034.
a. Uses Harmonic Mean Sample Size = 27.000.
b. Alpha = .05.

## Warna b*

**Warna b**

Duncan[a,b]

| Suhu Pengeringan | N | Subset 1 | Subset 2 | Subset 3 |
|---|---|---|---|---|
| 45oC | 81 | 4.9295 | | |
| 50oC | 81 | | 5.1804 | |
| 55oC | 81 | | | 5.5012 |
| Sig. | | 1.000 | 1.000 | 1.000 |

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = .094.
a. Uses Harmonic Mean Sample Size = 81.000.
b. Alpha = .05.

**Warna b**

Duncan[a,b]

| Waktu Penyeduhan | N | Subset 1 | Subset 2 | Subset 3 | Subset 4 | Subset 5 | Subset 6 | Subset 7 |
|---|---|---|---|---|---|---|---|---|
| 0,5 Menit | 27 | 2.2530 | | | | | | |
| 24 Menit | 27 | | 3.8985 | | | | | |
| 3 Menit | 27 | | 3.9633 | | | | | |
| 6 Menit | 27 | | | 4.7000 | | | | |
| 9 Menit | 27 | | | | 5.3904 | | | |
| 12 Menit | 27 | | | | | 5.9715 | | |
| 21 Menit | 27 | | | | | 5.9830 | | |
| 15 Menit | 27 | | | | | | 6.8485 | |
| 18 Menit | 27 | | | | | | | 7.8252 |
| Sig. | | 1.000 | .438 | 1.000 | 1.000 | .891 | 1.000 | 1.000 |

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = .094.
a. Uses Harmonic Mean Sample Size = 27.000.
b. Alpha = .05.

## Lampiran 4. Analisis Two Way Anova

## Total Fenolik

**Tests of Between-Subjects Effects**

Dependent Variable: Total Fenolik

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|---|---|---|---|---|---|
| Corrected Model | 100.928[a] | 26 | 3.882 | 32.539 | .000 |
| Intercept | 32798.381 | 1 | 32798.381 | 274930.436 | .000 |
| X1 | 4.584 | 2 | 2.292 | 19.213 | .000 |
| X2 | 92.363 | 8 | 11.545 | 96.779 | .000 |
| X1 * X2 | 3.981 | 16 | .249 | 2.086 | .010 |
| Error | 25.768 | 216 | .119 | | |
| Total | 32925.077 | 243 | | | |
| Corrected Total | 126.697 | 242 | | | |

a. R Squared = .797 (Adjusted R Squared = .772)

## Antioksidan

**Tests of Between-Subjects Effects**

Dependent Variable: Aktioksidan

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|---|---|---|---|---|---|
| Corrected Model | 19967.797[a] | 26 | 767.992 | 149.709 | .000 |
| Intercept | 1069885.128 | 1 | 1069885.128 | 208558.918 | .000 |
| X1 | 3325.408 | 2 | 1662.704 | 324.121 | .000 |
| X2 | 16415.492 | 8 | 2051.937 | 399.996 | .000 |
| X1 * X2 | 226.896 | 16 | 14.181 | 2.764 | .000 |
| Error | 1108.057 | 216 | 5.130 | | |
| Total | 1090960.982 | 243 | | | |
| Corrected Total | 21075.854 | 242 | | | |

a. R Squared = .947 (Adjusted R Squared = .941)

## Warna L

**Tests of Between-Subjects Effects**

Dependent Variable: Warna L

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|---|---|---|---|---|---|
| Corrected Model | 391.926[a] | 26 | 15.074 | 242.667 | .000 |
| Intercept | 47375.496 | 1 | 47375.496 | 762666.787 | .000 |
| X1 | 30.350 | 2 | 15.175 | 244.290 | .000 |
| X2 | 359.661 | 8 | 44.958 | 723.742 | .000 |
| X1 * X2 | 1.915 | 16 | .120 | 1.927 | .019 |
| Error | 13.418 | 216 | .062 | | |
| Total | 47780.839 | 243 | | | |
| Corrected Total | 405.343 | 242 | | | |

a. R Squared = .967 (Adjusted R Squared = .963)

## Warna a*

**Tests of Between-Subjects Effects**

Dependent Variable: Warna a

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|---|---|---|---|---|---|
| Corrected Model | 154.718[a] | 26 | 5.951 | 172.987 | .000 |
| Intercept | 754.830 | 1 | 754.830 | 21943.003 | .000 |
| X1 | 7.668 | 2 | 3.834 | 111.455 | .000 |
| X2 | 145.626 | 8 | 18.203 | 529.169 | .000 |
| X1 * X2 | 1.424 | 16 | .089 | 2.587 | .001 |
| Error | 7.430 | 216 | .034 | | |
| Total | 916.978 | 243 | | | |
| Corrected Total | 162.148 | 242 | | | |

a. R Squared = .954 (Adjusted R Squared = .949)

## Warna b*

**Tests of Between-Subjects Effects**

Dependent Variable: Warna b

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|---|---|---|---|---|---|
| Corrected Model | 637.261[a] | 26 | 24.510 | 260.690 | .000 |
| Intercept | 6580.083 | 1 | 6580.083 | 69986.027 | .000 |
| X1 | 13.305 | 2 | 6.652 | 70.754 | .000 |
| X2 | 621.318 | 8 | 77.665 | 826.045 | .000 |
| X1 * X2 | 2.639 | 16 | .165 | 1.754 | .039 |
| Error | 20.308 | 216 | .094 | | |
| Total | 7237.653 | 243 | | | |
| Corrected Total | 657.570 | 242 | | | |

a. R Squared = .969 (Adjusted R Squared = .965)

## Lampiran 5. Analisis Korelasi

**Correlations**

| | | Total Fenolik | Aktioksidan | Warna a | Warna b | Warna L |
|---|---|---|---|---|---|---|
| Total Fenolik | Pearson Correlation | 1 | .814** | .792** | .814** | -.474** |
| | Sig. (2-tailed) | | .000 | .000 | .000 | .000 |
| | N | 243 | 243 | 243 | 243 | 243 |
| Aktioksidan | Pearson Correlation | .814** | 1 | .879** | .903** | -.634** |
| | Sig. (2-tailed) | .000 | | .000 | .000 | .000 |
| | N | 243 | 243 | 243 | 243 | 243 |
| Warna a | Pearson Correlation | .792** | .879** | 1 | .933** | -.440** |
| | Sig. (2-tailed) | .000 | .000 | | .000 | .000 |
| | N | 243 | 243 | 243 | 243 | 243 |
| Warna b | Pearson Correlation | .814** | .903** | .933** | 1 | -.489** |
| | Sig. (2-tailed) | .000 | .000 | .000 | | .000 |
| | N | 243 | 243 | 243 | 243 | 243 |
| Warna L | Pearson Correlation | -.474** | -.634** | -.440** | -.489** | 1 |
| | Sig. (2-tailed) | .000 | .000 | .000 | .000 | |
| | N | 243 | 243 | 243 | 243 | 243 |

**. Correlation is significant at the 0.01 level (2-tailed).

**Lampiran 6. Proses Pembuatan Minuman Herbal Dauk Katuk**

Daun katuk segar dipotong kecil-kecil

Perendaman daun katuk dengan CaCl2 0,5%

Steam blanching 70$^{o}$C selama 3 menit

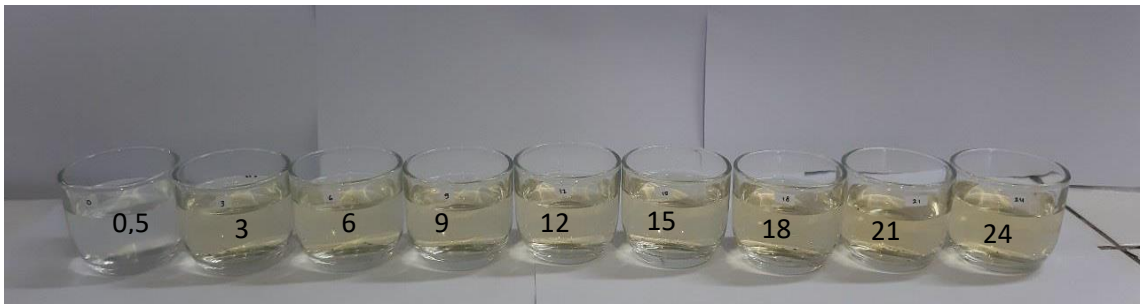
Daun katuk didinginkan selama 5 menit

Pengeringan daun katuk dengan oven binder

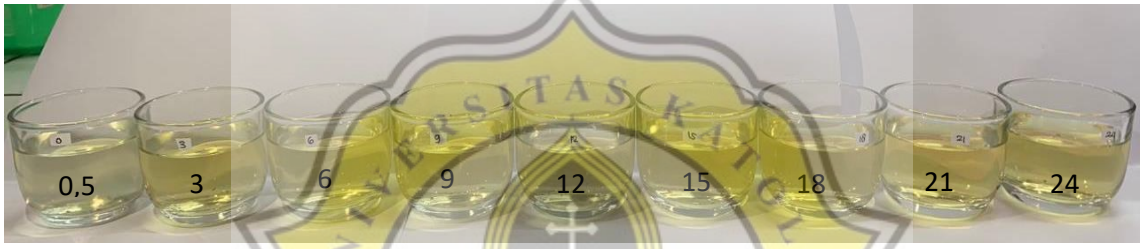
Daun katuk kering

**Lampiran 7. Sampel Uji Warna L, a*, b***

**Sampel Uji Warna L, a*, dan b* dengan suhu pengerigan 45ºC pada waktu penyeduhan berbeda**

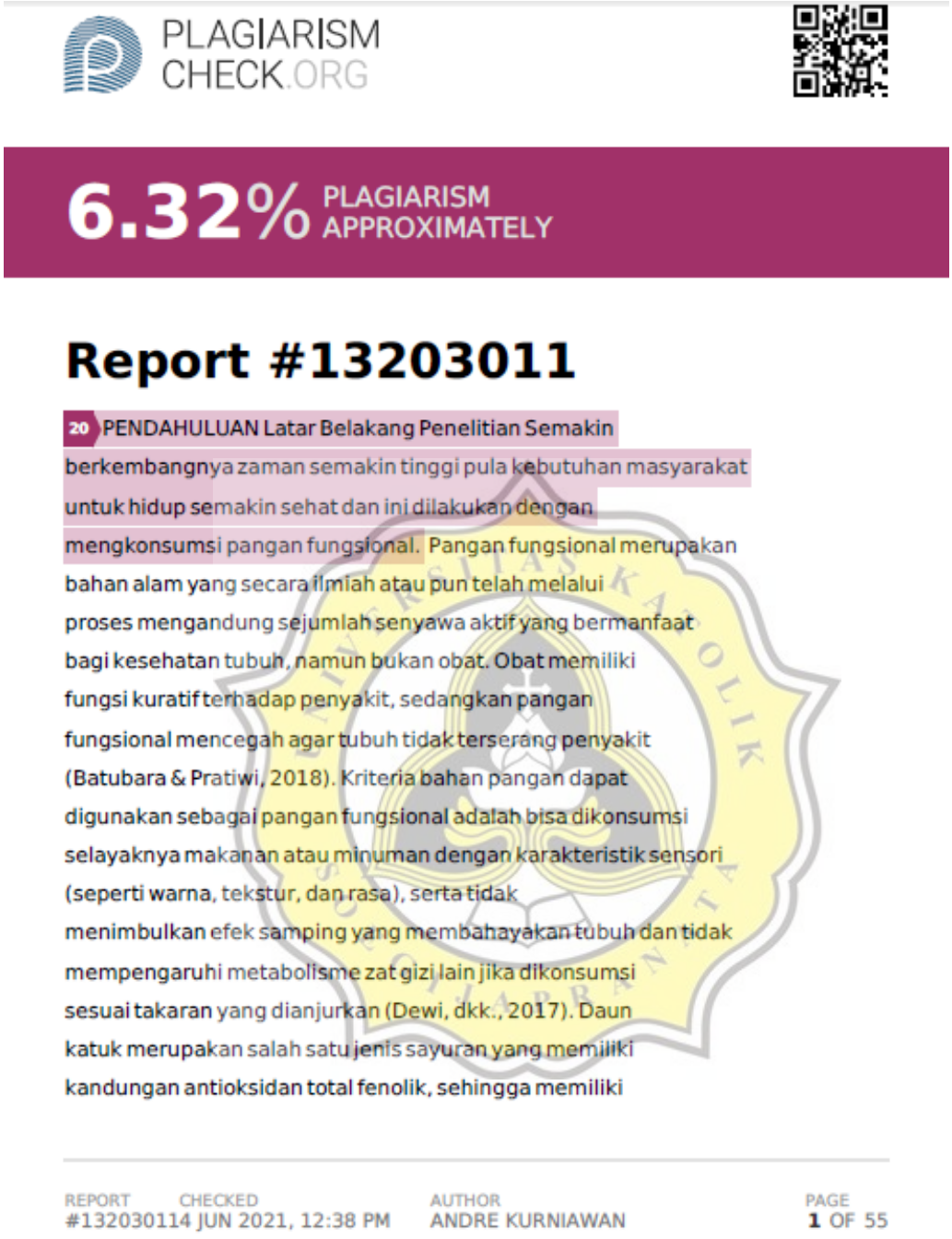



**Sampel Uji Warna L, a*, dan b* dengan suhu pengerigan 50ºC pada waktu penyeduhan berbeda**




**Sampel Uji Warna L, a*, dan b* dengan suhu pengerigan 55ºC pada waktu penyeduhan berbeda**

**Lampiran 8. Hasil Plagscan**



PLAGIARISM CHECK.ORG

6.32% PLAGIARISM APPROXIMATELY

Report #13203011

20 PENDAHULUAN Latar Belakang Penelitian Semakin berkembangnya zaman semakin tinggi pula kebutuhan masyarakat untuk hidup semakin sehat dan ini dilakukan dengan mengkonsumsi pangan fungsional. Pangan fungsional merupakan bahan alam yang secara ilmiah atau pun telah melalui proses mengandung sejumlah senyawa aktif yang bermanfaat bagi kesehatan tubuh, namun bukan obat. Obat memiliki fungsi kuratif terhadap penyakit, sedangkan pangan fungsional mencegah agar tubuh tidak terserang penyakit (Batubara & Pratiwi, 2018). Kriteria bahan pangan dapat digunakan sebagai pangan fungsional adalah bisa dikonsumsi selayaknya makanan atau minuman dengan karakteristik sensori (seperti warna, tekstur, dan rasa), serta tidak menimbulkan efek samping yang membahayakan tubuh dan tidak mempengaruhi metabolisme zat gizi lain jika dikonsumsi sesuai takaran yang dianjurkan (Dewi, dkk., 2017). Daun katuk merupakan salah satu jenis sayuran yang memiliki kandungan antioksidan total fenolik, sehingga memiliki

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