

7. LAMPIRAN

7.1. Hasil Pengolahan Data

7.1.1. Uji Normalitas

7.1.1.1. Dry Basis

Tests of Normality

| | Kolmogorov-Smirnov ^a | | | Shapiro-Wilk | | |
|--------------------|---------------------------------|----|-------------------|--------------|----|------|
| | Statistic | df | Sig. | Statistic | df | Sig. |
| Flavonoid_kering | .094 | 54 | .200 [*] | .968 | 54 | .155 |
| Flavonoid_segar | .181 | 54 | .200 [*] | .904 | 54 | .000 |
| Antioksidan_kering | .157 | 54 | .184 | .934 | 54 | .005 |
| Antioksidan_segar | .278 | 54 | .200 [*] | .771 | 54 | .000 |
| Aw_kering | .123 | 54 | .200 | .937 | 54 | .007 |
| Aw_segar | .148 | 54 | .191 | .739 | 54 | .000 |
| L_kering | .083 | 54 | .200 [*] | .966 | 54 | .124 |
| L_segar | .102 | 54 | .200 [*] | .936 | 54 | .006 |
| a_kering | .112 | 54 | .090 | .948 | 54 | .021 |
| a_segar | .069 | 54 | .200 [*] | .977 | 54 | .377 |
| b_kering | .102 | 54 | .200 [*] | .976 | 54 | .344 |
| b_segar | .265 | 54 | .200 [*] | .802 | 54 | .000 |

a. Lilliefors Significance Correction

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

7.1.1.2. Wet Basis

Tests of Normality

| | Kolmogorov-Smirnov ^a | | | Shapiro-Wilk | | |
|-----------------|---------------------------------|----|------|--------------|----|------|
| | Statistic | df | Sig. | Statistic | df | Sig. |
| Antioksidan_sqr | .107 | 54 | .184 | .953 | 54 | .033 |

a. Lilliefors Significance Correction

Tests of Normality

| | Kolmogorov-Smirnov ^a | | | Shapiro-Wilk | | |
|-----------------|---------------------------------|----|-------------------|--------------|----|------|
| | Statistic | df | Sig. | Statistic | df | Sig. |
| Antioksidan_sqr | .223 | 54 | .200 [*] | .945 | 54 | .640 |

a. Lilliefors Significance Correction

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

Tests of Normality

| | Kolmogorov-Smirnov ^a | | | Shapiro-Wilk | | |
|-----------|---------------------------------|----|-------------------|--------------|----|------|
| | Statistic | df | Sig. | Statistic | df | Sig. |
| Flavonoid | .314 | 54 | .200 [*] | .802 | 54 | .021 |

a. Lilliefors Significance Correction

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

Tests of Normality

| | Kolmogorov-Smirnov ^a | | | Shapiro-Wilk | | |
|-----------|---------------------------------|----|-------------------|--------------|----|------|
| | Statistic | df | Sig. | Statistic | df | Sig. |
| Flavonoid | .161 | 54 | .200 [*] | .922 | 54 | .412 |

a. Lilliefors Significance Correction

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



7.1.2. Uji T

Independent Samples Test

| | | Levene's Test for Equality of Variances | | t-test for Equality of Means | | | | | | |
|--------------|-----------------------------|---|------|------------------------------|--------|-----------------|-----------------|-----------------------|---|-----------|
| | | F | Sig. | t | df | Sig. (2-tailed) | Mean Difference | Std. Error Difference | 95% Confidence Interval of the Difference | |
| | | | | | | | | | Lower | Upper |
| A_kontrol_db | Equal variances assumed | 1.165 | .296 | 14.491 | 16 | .000 | 38.79281 | 2.67701 | 33.11781 | 44.46782 |
| | Equal variances not assumed | | | 14.491 | 14.889 | | | | 33.08318 | 44.50245 |
| A_AS1_db | Equal variances assumed | 4.022 | .062 | 3.826 | 16 | .001 | 6.41997 | 1.67792 | 2.86293 | 9.97700 |
| | Equal variances not assumed | | | 3.826 | 9.036 | | | | 2.62658 | 10.21336 |
| A_AS2_db | Equal variances assumed | 2.723 | .118 | 6.337 | 16 | .000 | 22.18564 | 3.50110 | 14.76363 | 29.60765 |
| | Equal variances not assumed | | | 6.337 | 10.817 | | | | 14.46382 | 29.90746 |
| A_SB_db | Equal variances assumed | 6.372 | .023 | 7.181 | 16 | .000 | 46.29183 | 6.44599 | 32.62694 | 59.95671 |
| | Equal variances not assumed | | | 7.181 | 11.586 | | | | 32.19132 | 60.39233 |
| A_SBAS1_db | Equal variances assumed | 9.581 | .007 | 45.655 | 16 | .000 | 240.07433 | 5.25843 | 228.92697 | 251.22170 |
| | Equal variances not assumed | | | 45.655 | 8.348 | | | | 228.03580 | 252.11287 |
| A_SBAS2_db | Equal variances assumed | 19.475 | .000 | 42.269 | 16 | .000 | 236.75812 | 5.60122 | 224.88407 | 248.63217 |
| | Equal variances not assumed | | | 42.269 | 9.499 | | | | 224.18803 | 249.32821 |
| A_kontrol_wb | Equal variances assumed | 11.323 | .004 | -6.933 | 16 | .000 | -14.30396 | 2.06329 | -18.67794 | -9.92998 |
| | Equal variances not assumed | | | -6.933 | 8.888 | | | | -18.98040 | -9.62751 |
| A_AS1_wb | Equal variances assumed | .390 | .541 | -35.151 | 16 | .000 | -21.04542 | .59872 | -22.31465 | -19.77620 |
| | Equal variances not assumed | | | -35.151 | 15.250 | | | | -22.31974 | -19.77110 |
| A_AS2_wb | Equal variances assumed | 7.343 | .015 | -23.671 | 16 | .000 | -30.06169 | 1.27000 | -32.75397 | -27.36941 |
| | Equal variances not assumed | | | -23.671 | 10.795 | | | | -32.86344 | -27.25995 |
| A_SB_wb | Equal variances assumed | 8.575 | .010 | -10.523 | 16 | .000 | -30.54439 | 2.90250 | -36.69741 | -24.39136 |
| | Equal variances not assumed | | | -10.523 | 9.563 | | | | -37.05182 | -24.03695 |
| A_SBAS1_wb | Equal variances assumed | 4.115 | .059 | 15.966 | 16 | .000 | 27.51501 | 1.72331 | 23.86175 | 31.16826 |
| | Equal variances not assumed | | | 15.966 | 11.320 | | | | 23.73506 | 31.29495 |
| A_SBAS2_wb | Equal variances assumed | 3.780 | .070 | 4.453 | 16 | .000 | 7.39557 | 1.66065 | 3.87514 | 10.91600 |
| | Equal variances not assumed | | | 4.453 | 10.283 | | | | 3.70916 | 11.08197 |

Independent Samples Test

| | | Levene's Test for Equality of Variances | | t-test for Equality of Means | | | | | | |
|--------------|-----------------------------|---|------|------------------------------|--------|-----------------|-----------------|-----------------------|---|------------|
| | | F | Sig. | t | df | Sig. (2-tailed) | Mean Difference | Std. Error Difference | 95% Confidence Interval of the Difference | |
| | | | | | | | | | Lower | Upper |
| F_Kontrol_db | Equal variances assumed | 1.765 | .203 | 11.912 | 16 | .000 | 17.95445 | 1.50730 | 14.75911 | 21.14979 |
| | Equal variances not assumed | | | 11.912 | 11.901 | | | | | |
| F_AS1_db | Equal variances assumed | .002 | .967 | 2.056 | 16 | .056 | 11.30333 | 5.49765 | -.35118 | 22.95783 |
| | Equal variances not assumed | | | 2.056 | 15.710 | | | | | |
| F_AS2_db | Equal variances assumed | 8.480 | .010 | 26.598 | 16 | .000 | 112.53618 | 4.23108 | 103.56669 | 121.50566 |
| | Equal variances not assumed | | | 26.598 | 10.752 | | | | | |
| F_SB_db | Equal variances assumed | 6.191 | .024 | 34.988 | 16 | .000 | 103.63073 | 2.96188 | 97.35183 | 109.90962 |
| | Equal variances not assumed | | | 34.988 | 12.295 | | | | | |
| F_SBAS1_db | Equal variances assumed | 9.547 | .007 | 5.191 | 16 | .000 | 47.84472 | 9.21669 | 28.30622 | 67.38323 |
| | Equal variances not assumed | | | 5.191 | 11.230 | | | | | |
| F_SBAS2_db | Equal variances assumed | 6.577 | .021 | 4.200 | 16 | .001 | 51.06976 | 12.16019 | 25.29130 | 76.84822 |
| | Equal variances not assumed | | | 4.200 | 11.191 | | | | | |
| F_kontrol_wb | Equal variances assumed | .874 | .364 | -113.984 | 16 | .000 | -88.15873 | .77343 | -89.79833 | -86.51913 |
| | Equal variances not assumed | | | -113.984 | 14.273 | | | | | |
| F_AS1_wb | Equal variances assumed | 12.434 | .003 | -22.406 | 16 | .000 | -91.00000 | 4.06138 | -99.60975 | -82.39025 |
| | Equal variances not assumed | | | -22.406 | 8.150 | | | | | |
| F_AS2_wb | Equal variances assumed | 31.927 | .000 | -35.004 | 16 | .000 | -108.36508 | 3.09583 | -114.92794 | -101.80222 |
| | Equal variances not assumed | | | -35.004 | 8.262 | | | | | |
| F_SB_wb | Equal variances assumed | 15.856 | .001 | -85.228 | 16 | .000 | -136.95238 | 1.60690 | -140.35886 | -133.54590 |
| | Equal variances not assumed | | | -85.228 | 8.155 | | | | | |
| F_SBAS1_wb | Equal variances assumed | 10.294 | .005 | -21.946 | 16 | .000 | -78.63492 | 3.58311 | -86.23078 | -71.03906 |
| | Equal variances not assumed | | | -21.946 | 8.299 | | | | | |
| F_SBAS2_wb | Equal variances assumed | 28.160 | .000 | -12.997 | 16 | .000 | -133.77778 | 10.29264 | -155.59721 | -111.95835 |
| | Equal variances not assumed | | | -12.997 | 8.013 | | | | | |

Independent Samples Test

| | | Levene's Test for Equality of Variances | | t-test for Equality of Means | | | | | | |
|------------|-----------------------------|---|------|------------------------------|--------|-----------------|-----------------|-----------------------|---|-----------|
| | | F | Sig. | t | df | Sig. (2-tailed) | Mean Difference | Std. Error Difference | 95% Confidence Interval of the Difference | |
| | | | | | | | | | Lower | Upper |
| Aw_kontrol | Equal variances assumed | 3.307 | .088 | 38.597 | 16 | .000 | .72889 | .01888 | .68886 | .76892 |
| | Equal variances not assumed | | | 38.597 | 8.527 | | | | .68580 | .77197 |
| Aw_AS1 | Equal variances assumed | .201 | .660 | 76.177 | 16 | .000 | .75300 | .00988 | .73205 | .77395 |
| | Equal variances not assumed | | | 76.177 | 13.068 | | | | .73166 | .77434 |
| Aw_AS2 | Equal variances assumed | 6.261 | .024 | 55.164 | 16 | .000 | .68211 | .01237 | .65590 | .70832 |
| | Equal variances not assumed | | | 55.164 | 9.486 | | | | .65436 | .70987 |
| Aw_SB | Equal variances assumed | 23.249 | .000 | 45.701 | 16 | .000 | .64967 | .01422 | .61953 | .67980 |
| | Equal variances not assumed | | | 45.701 | 8.928 | | | | .61747 | .68186 |
| Aw_SBAS1 | Equal variances assumed | 10.879 | .005 | 54.480 | 16 | .000 | .58044 | .01065 | .55786 | .60303 |
| | Equal variances not assumed | | | 54.480 | 8.605 | | | | .55617 | .60472 |
| Aw_SBAS2 | Equal variances assumed | 12.708 | .003 | 29.116 | 16 | .000 | .52233 | .01794 | .48430 | .56036 |
| | Equal variances not assumed | | | 29.116 | 8.140 | | | | .48109 | .56358 |
| L_kontrol | Equal variances assumed | .789 | .388 | -7.494 | 16 | .000 | -19.74000 | 2.63412 | -25.32408 | -14.15592 |
| | Equal variances not assumed | | | -7.494 | 15.523 | | | | -25.33807 | -14.14193 |
| L_AS1 | Equal variances assumed | .249 | .625 | -9.970 | 16 | .000 | -22.85444 | 2.29222 | -27.71374 | -17.99515 |
| | Equal variances not assumed | | | -9.970 | 15.988 | | | | -27.71403 | -17.99486 |
| L_AS2 | Equal variances assumed | .202 | .659 | -9.456 | 16 | .000 | -19.99889 | 2.11488 | -24.48224 | -15.51554 |
| | Equal variances not assumed | | | -9.456 | 15.953 | | | | -24.48331 | -15.51447 |
| L_SB | Equal variances assumed | 3.228 | .091 | -5.076 | 16 | .000 | -9.15667 | 1.80389 | -12.98074 | -5.33260 |
| | Equal variances not assumed | | | -5.076 | 11.887 | | | | -13.09113 | -5.22220 |
| L_SBAS1 | Equal variances assumed | 3.143 | .095 | 3.041 | 16 | .008 | 4.82778 | 1.58767 | 1.46206 | 8.19350 |
| | Equal variances not assumed | | | 3.041 | 11.289 | | | | .011 | 1.34423 |
| L_SBAS2 | Equal variances assumed | 24.986 | .000 | 2.217 | 16 | .041 | 4.17111 | 1.88149 | .18253 | 8.15969 |
| | Equal variances not assumed | | | 2.217 | 8.510 | | | | .056 | -1.12281 |

Independent Samples Test

| | | Levene's Test for Equality of Variances | | t-test for Equality of Means | | | | | | |
|-----------|-----------------------------|---|------|------------------------------|--------|-----------------|-----------------|-----------------------|---|----------|
| | | F | Sig. | t | df | Sig. (2-tailed) | Mean Difference | Std. Error Difference | 95% Confidence Interval of the Difference | |
| | | | | | | | | | Lower | Upper |
| a_kontrol | Equal variances assumed | .007 | .935 | 2.584 | 16 | .020 | .52667 | .20379 | .09465 | .95868 |
| | Equal variances not assumed | | | 2.584 | 15.844 | .020 | .52667 | .20379 | .09430 | .95903 |
| a_AS1 | Equal variances assumed | 2.017 | .175 | 9.370 | 16 | .000 | 2.09111 | .22316 | 1.61802 | 2.56420 |
| | Equal variances not assumed | | | 9.370 | 12.491 | .000 | 2.09111 | .22316 | 1.60699 | 2.57523 |
| a_AS2 | Equal variances assumed | 2.792 | .114 | .111 | 16 | .913 | -.02667 | .23958 | -.48122 | .53455 |
| | Equal variances not assumed | | | .111 | 12.380 | .913 | -.02667 | .23958 | -.49356 | .54690 |
| a_SB | Equal variances assumed | .958 | .342 | -7.139 | 16 | .000 | -1.11111 | .15565 | -1.44107 | -.78116 |
| | Equal variances not assumed | | | -7.139 | 14.996 | .000 | -1.11111 | .15565 | -1.44287 | -.77935 |
| a_SBAS1 | Equal variances assumed | 3.571 | .077 | -14.496 | 16 | .000 | -3.43000 | .23661 | -3.93160 | -2.92840 |
| | Equal variances not assumed | | | -14.496 | 9.343 | .000 | -3.43000 | .23661 | -3.96228 | -2.89772 |
| a_SBAS2 | Equal variances assumed | 2.150 | .162 | -12.450 | 16 | .000 | -2.78556 | .22373 | -3.25985 | -2.31127 |
| | Equal variances not assumed | | | -12.450 | 12.105 | .000 | -2.78556 | .22373 | -3.27256 | -2.29855 |
| b_kontrol | Equal variances assumed | 2.322 | .147 | 3.175 | 16 | .006 | 2.43000 | .76541 | .80740 | 4.05260 |
| | Equal variances not assumed | | | 3.175 | 13.069 | .007 | 2.43000 | .76541 | .77731 | 4.08269 |
| b_AS1 | Equal variances assumed | 1.918 | .185 | 2.842 | 16 | .012 | 1.83778 | .64656 | .46713 | 3.20843 |
| | Equal variances not assumed | | | 2.842 | 14.397 | .013 | 1.83778 | .64656 | .45462 | 3.22094 |
| b_AS2 | Equal variances assumed | 1.942 | .183 | 3.524 | 16 | .003 | 2.71000 | .76905 | 1.07969 | 4.34031 |
| | Equal variances not assumed | | | 3.524 | 15.055 | .003 | 2.71000 | .76905 | 1.07133 | 4.34867 |
| b_SB | Equal variances assumed | 2.213 | .156 | .156 | 16 | .878 | .10444 | .66896 | -1.31368 | 1.52257 |
| | Equal variances not assumed | | | .156 | 12.049 | .879 | .10444 | .66896 | -1.35243 | 1.56132 |
| b_SBAS1 | Equal variances assumed | 1.705 | .210 | 18.013 | 16 | .000 | 12.44222 | .69072 | 10.97796 | 13.90648 |
| | Equal variances not assumed | | | 18.013 | 15.685 | .000 | 12.44222 | .69072 | 10.97556 | 13.90888 |
| b_SBAS2 | Equal variances assumed | .043 | .839 | 26.749 | 16 | .000 | 13.14111 | .49127 | 12.09967 | 14.18256 |
| | Equal variances not assumed | | | 26.749 | 15.803 | .000 | 13.14111 | .49127 | 12.09861 | 14.18361 |

7.1.3. Uji *One Way* ANOVA

- Analisis Warna

L_kering

Duncan

| Perlakuan | N | Subset for alpha = 0.05 | |
|---------------------------|---|-------------------------|---------|
| | | 1 | 2 |
| Steam blanching + AS 0,5% | 9 | 62.1689 | |
| Steam blanching + AS 1% | 9 | 64.8389 | |
| Steam blanching kontrol | 9 | 66.4267 | 74.8622 |
| Asam sitrat 1% | 9 | | 76.4322 |
| Asam sitrat 0,5% | 9 | | 78.2056 |
| Sig. | | .087 | .179 |

Means for groups in homogeneous subsets are displayed.

L_segara

Duncan

| Perlakuan | N | Subset for alpha = 0.05 | |
|---------------------------|---|-------------------------|---------|
| | | 1 | 2 |
| kontrol | 9 | 55.1222 | |
| Asam sitrat 0,5% | 9 | 55.3511 | |
| Asam sitrat 1% | 9 | 56.4333 | |
| Steam blanching | 9 | 57.2700 | |
| Steam blanching + AS 0,5% | 9 | | 66.9967 |
| Steam blanching + AS 1% | 9 | | 69.0100 |
| Sig. | | .291 | .275 |

Means for groups in homogeneous subsets are displayed.

a_kering

Duncan

| Perlakuan | N | Subset for alpha = 0.05 | | | |
|---------------------------|---|-------------------------|--------|--------|--------|
| | | 1 | 2 | 3 | 4 |
| Asam sitrat 0,5% | 9 | 2.4222 | | | |
| kontrol | 9 | | 2.9667 | | |
| Asam sitrat 1% | 9 | | 3.1844 | 3.1844 | |
| Steam blanching | 9 | | | 3.6322 | |
| Steam blanching + AS 0,5% | 9 | | | | 4.8867 |
| Steam blanching + AS 1% | 9 | | | | 5.2556 |
| Sig. | | 1.000 | .379 | .074 | .139 |

Means for groups in homogeneous subsets are displayed.

a_segara

Duncan

| Perlakuan | N | Subset for alpha = 0.05 | | | |
|---------------------------|---|-------------------------|--------|--------|--------|
| | | 1 | 2 | 3 | 4 |
| Steam blanching + AS 0,5% | 9 | 1.4567 | | | |
| Steam blanching + AS 1% | 9 | | 2.4700 | | |
| Steam blanching | 9 | | 2.5211 | | |
| Asam sitrat 1% | 9 | | | 3.2111 | |
| kontrol | 9 | | | 3.4933 | |
| Asam sitrat 0,5% | 9 | | | | 4.5133 |
| Sig. | | 1.000 | .779 | .126 | 1.000 |

Means for groups in homogeneous subsets are displayed.

b_segara

Duncan

| Perlakuan | N | Subset for alpha = 0.05 | | |
|---------------------------|---|-------------------------|---------|---------|
| | | 1 | 2 | 3 |
| Steam blanching | 9 | 13.2522 | | |
| Asam sitrat 0,5% | 9 | 13.7800 | | |
| Asam sitrat 1% | 9 | 14.6400 | | |
| kontrol | 9 | 14.7611 | | |
| Steam blanching + AS 0,5% | 9 | | 26.6078 | |
| Steam blanching + AS 1% | 9 | | | 28.8500 |
| Sig. | | .060 | 1.000 | 1.000 |

Means for groups in homogeneous subsets are displayed.

b_kering

Duncan

| Perlakuan | N | Subset for alpha = 0.05 | | |
|---------------------------|---|-------------------------|---------|---------|
| | | 1 | 2 | 3 |
| Asam sitrat 1% | 9 | 11.9300 | | |
| Asam sitrat 0,5% | 9 | 11.9422 | | |
| kontrol | 9 | 12.3311 | | |
| Steam blanching | 9 | 13.1478 | 13.1478 | |
| Steam blanching + AS 0,5% | 9 | | 14.1656 | |
| Steam blanching + AS 1% | 9 | | | 15.7089 |
| Sig. | | .085 | .116 | 1.000 |

Means for groups in homogeneous subsets are displayed.

- **Antioksidan (*dry basis*)**

Antioksidan_kering

Duncan

| Perlakuan | N | Subset for alpha = 0.05 | | | |
|---------------------------|---|-------------------------|---------|---------|---------|
| | | 1 | 2 | 3 | 4 |
| Steam blanching + AS 0,5% | 9 | 27.3843 | | | |
| Asam sitrat 0,5% | 9 | 30.6085 | | | |
| kontrol | 9 | | 36.2849 | | |
| Asam sitrat 1% | 9 | | | 41.4054 | |
| Steam blanching | 9 | | | | 47.3242 |
| Steam blanching + AS 1% | 9 | | | | 49.3126 |
| Sig. | | .193 | 1.000 | 1.000 | .419 |

Means for groups in homogeneous subsets are displayed.

Antioksidan_segar

Duncan

| Perlakuan | N | Subset for alpha = 0.05 | | | | |
|---------------------------|---|-------------------------|---------|---------|----------|----------|
| | | 1 | 2 | 3 | 4 | 5 |
| Asam sitrat 0,5% | 9 | 37.0285 | | | | |
| Asam sitrat 1% | 9 | | 63.5910 | | | |
| kontrol | 9 | | 75.0777 | | | |
| Steam blanching | 9 | | | 93.6160 | | |
| Steam blanching + AS 0,5% | 9 | | | | 2.6746E2 | |
| Steam blanching + AS 1% | 9 | | | | | 2.8607E2 |
| Sig. | | 1.000 | .058 | 1.000 | 1.000 | 1.000 |

Means for groups in homogeneous subsets are displayed.

- Antioksidan (*wet basis*)

Antioksidan_segar

Duncan

| Perlakuan | N | Subset for alpha = 0.05 | | | |
|------------|---|-------------------------|---------|---------|---------|
| | | 1 | 2 | 3 | 4 |
| AS 0,5% | 9 | 8.2800 | | | |
| AS 1% | 9 | 9.2802 | | | |
| SB | 9 | | 14.5788 | | |
| Kontrol | 9 | | | 20.3385 | |
| SB AS 0,5% | 9 | | | | 53.1631 |
| SB AS 1% | 9 | | | | 53.8955 |
| Sig. | | .404 | 1.000 | 1.000 | .541 |

Means for groups in homogeneous subsets are displayed.

Antioksidan

Duncan

| Perlakuan | N | Subset for alpha = 0.05 | | | |
|------------|---|-------------------------|---------|---------|---------|
| | | 1 | 2 | 3 | 4 |
| SB AS 0,5% | 9 | 25.6481 | | | |
| AS 0,5% | 9 | 29.3255 | | | |
| Kontrol | 9 | | 34.6424 | | |
| AS 1% | 9 | | | 39.3419 | |
| SB | 9 | | | | 45.1232 |
| SB AS 1% | 9 | | | | 46.5000 |
| Sig. | | .119 | 1.000 | 1.000 | .556 |

Means for groups in homogeneous subsets are displayed.

- **Flavonoid (dry basis)**

Flavonoid_kering

Duncan

| Perlakuan | N | Subset for alpha = 0.05 | | | |
|---------------------------|---|-------------------------|----------|----------|----------|
| | | 1 | 2 | 3 | 4 |
| Steam blanching + AS 0,5% | 9 | 1.1833E2 | | | |
| Asam sitrat 0,5% | 9 | 1.2699E2 | 1.2699E2 | | |
| kontrol | 9 | | 1.3575E2 | | |
| Asam sitrat 1% | 9 | | | 1.5511E2 | |
| Steam blanching + AS 1% | 9 | | | | 1.8928E2 |
| Steam blanching | 9 | | | | 1.9218E2 |
| Sig. | | .258 | .253 | 1.000 | .703 |

Means for groups in homogeneous subsets are displayed.

Flavonoid_segara

Duncan

| Perlakuan | N | Subset for alpha = 0.05 | | | | |
|---------------------------|---|-------------------------|----------|----------|----------|----------|
| | | 1 | 2 | 3 | 4 | 5 |
| Asam sitrat 0,5% | 9 | 1.3830E2 | | | | |
| kontrol | 9 | | 1.5371E2 | | | |
| Steam blanching + AS 0,5% | 9 | | 1.6618E2 | | | |
| Steam blanching + AS 1% | 9 | | | 2.4035E2 | | |
| Asam sitrat 1% | 9 | | | | 2.6765E2 | |
| Steam blanching | 9 | | | | | 2.9581E2 |
| Sig. | | 1.000 | .054 | 1.000 | 1.000 | 1.000 |

Means for groups in homogeneous subsets are displayed.

- **Flavonoid (wet basis)**

Flavonoid_segara

Duncan

| Perlakuan | N | Subset for alpha = 0.05 | | | | |
|------------|---|-------------------------|---------|---------|---------|---------|
| | | 1 | 2 | 3 | 4 | 5 |
| AS 0,5% | 9 | 24.9524 | | | | |
| SB AS 0,5% | 9 | | 32.6667 | | | |
| AS 1% | 9 | | | 39.0159 | | |
| Kontrol | 9 | | | | 41.6349 | |
| SB AS 1% | 9 | | | | | 45.2540 |
| SB | 9 | | | | | 46.1111 |
| Sig. | | 1.000 | 1.000 | 1.000 | 1.000 | .337 |

Means for groups in homogeneous subsets are displayed.

Flavonoid

Duncan

| Perlakuan | N | Subset for alpha = 0.05 | | | |
|------------|---|-------------------------|---------|---------|---------|
| | | 1 | 2 | 3 | 4 |
| SB AS 0,5% | 9 | 111.301 | | | |
| AS 0,5% | 9 | 121.698 | | | |
| AS 1% | 9 | | 147.381 | | |
| Kontrol | 9 | | | 164.873 | |
| SB AS 1% | 9 | | | 179.031 | 179.031 |
| SB | 9 | | | | 183.063 |
| Sig. | | .169 | 1.000 | .063 | .591 |

Means for groups in homogeneous subsets are displayed.

- Analisis Aktivitas Air

Aw_segar

Duncan

| Perlakuan | N | Subset for alpha = 0.05 | | |
|---------------------------|---|-------------------------|-------|-------|
| | | 1 | 2 | 3 |
| Asam sitrat 0,5% | 9 | .9662 | | |
| kontrol | 9 | .9757 | .9757 | |
| Asam sitrat 1% | 9 | | .9839 | .9839 |
| Steam blanching | 9 | | .9864 | .9864 |
| Steam blanching + AS 1% | 9 | | .9871 | .9871 |
| Steam blanching + AS 0,5% | 9 | | | .9903 |
| Sig. | | .133 | .096 | .350 |

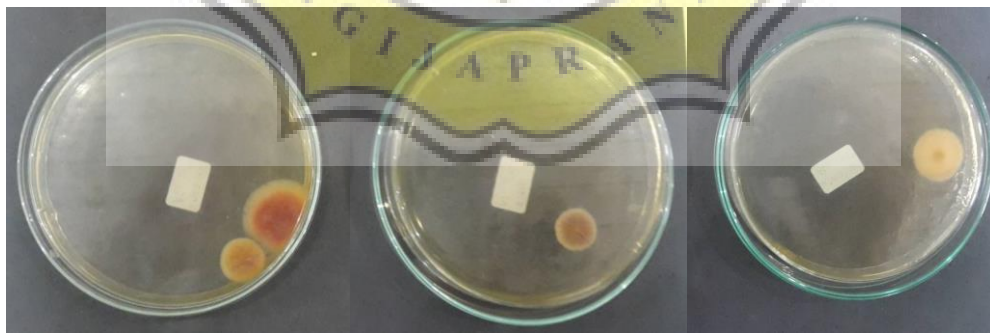
Means for groups in homogeneous subsets are displayed.

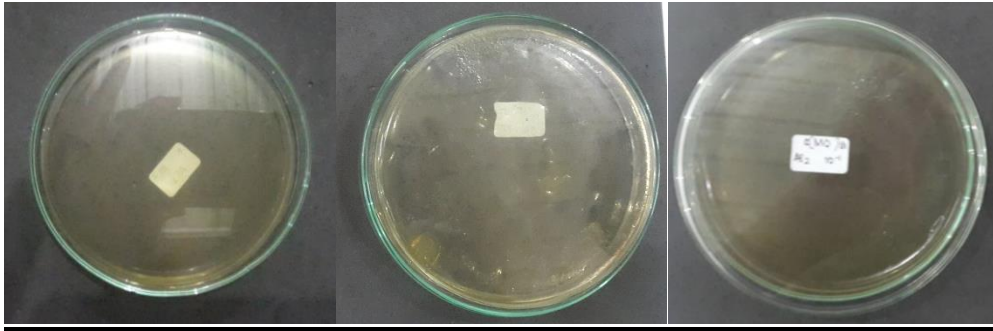
Aw_kering

Duncan

| Perlakuan | N | Subset for alpha = 0.05 | | | |
|---------------------------|---|-------------------------|-------|-------|-------|
| | | 1 | 2 | 3 | 4 |
| Asam sitrat 0,5% | 9 | .2132 | | | |
| kontrol | 9 | .2468 | | | |
| Asam sitrat 1% | 9 | | .3018 | | |
| Steam blanching | 9 | | .3368 | | |
| Steam blanching + AS 0,5% | 9 | | | .4099 | |
| Steam blanching + AS 1% | 9 | | | | .4648 |
| Sig. | | .090 | .078 | 1.000 | 1.000 |

Means for groups in homogeneous subsets are displayed.

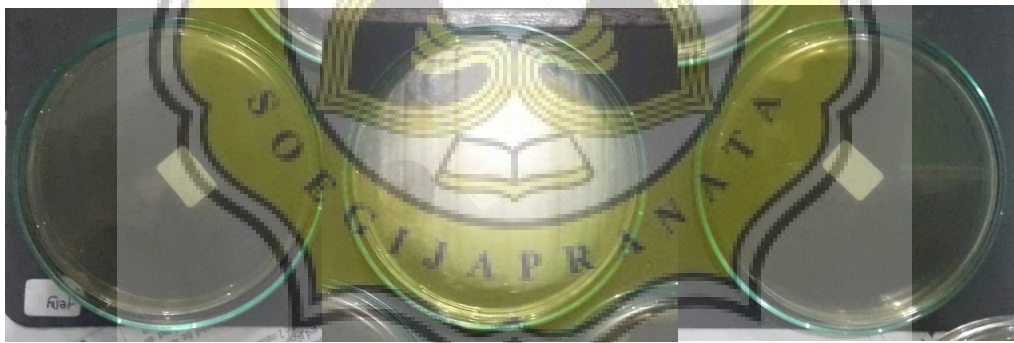
7.2. Hasil Analisis Mikroorganisme**Kontrol****Asam sitrat 0,5%****Asam sitrat 1%**



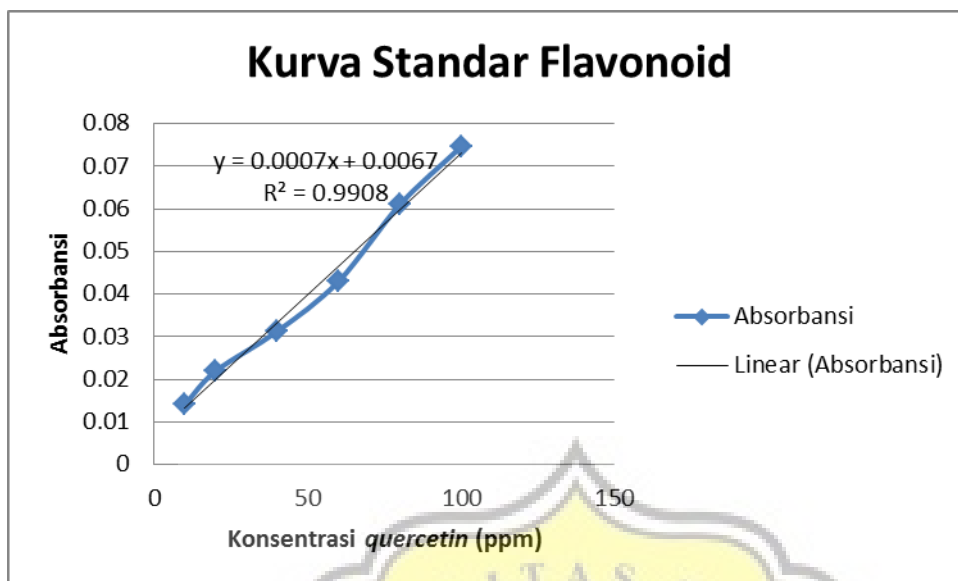
Steam blanching



Kombinasi Steam blanching dan Perendaman dalam Asam Sitrat



7.3. Kurva Standar Flavonoid



7.4. % Inhibition Kencur Dry Basis

| Perlakuan | %Inhibition | |
|-----------|---------------------------------|-------------------------------|
| | Segar | Kering |
| Kontrol | 75,077 ± 4,841 ^{b,1} | 36,285 ± 6,408 ^{b,2} |
| AS1 | 37,028 ± 4,877 ^{a,1} | 30,609 ± 1,244 ^{a,2} |
| AS2 | 63,591 ± 9,661 ^{b,1} | 41,405 ± 4,120 ^{c,2} |
| SB | 93,616 ± 17,389 ^{c,1} | 47,324 ± 8,459 ^{d,2} |
| SBAS1 | 267,459 ± 15,606 ^{d,1} | 27,384 ± 2,302 ^{a,2} |
| SBAS2 | 286,071 ± 16,062 ^{e,1} | 49,313 ± 4,938 ^{d,2} |

7.5. Kadar Flavonoid Kencur Wet Basis

| Perlakuan | mg <i>quercetin</i> / g kencur | |
|-----------|--------------------------------|----------------------------------|
| | Segar | Kering |
| Kontrol | 41,635 ± 1,325 ^{d,1} | 129,794 ± 1,905 ^{c,2} |
| AS1 | 30,698 ± 1,175 ^{a,1} | 121,698 ± 12,127 ^{a,2} |
| AS2 | 39,016 ± 1,179 ^{c,1} | 147,381 ± 9,212 ^{b,2} |
| SB | 46,111 ± 0,473 ^{e,1} | 183,064 ± 4,797 ^{d,2} |
| SBAS1 | 32,667 ± 1,455 ^{b,1} | 111,302 ± 10,650 ^{a,2} |
| SBAS2 | 45,254 ± 0,865 ^{e,1} | 179,032 ± 30,866 ^{cd,2} |