7. LAMPIRAN

7.1. Uji Normalitas dan Uji Beda Nyata

Asam Fitat pada Tepung dan Ekstrak

<table>
<thead>
<tr>
<th>Tests of Normality</th>
<th>Kolmogorov-Smirnov(a)</th>
<th>Shapiro-Wilk</th>
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</thead>
<tbody>
<tr>
<td>Statistic</td>
<td>df</td>
<td>Sig.</td>
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<tr>
<td>TPG.AF</td>
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a  Lilliefors Significance Correction

<table>
<thead>
<tr>
<th>ANOVA</th>
<th>TPG.AF</th>
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<tbody>
<tr>
<td>Sum of Squares</td>
<td>df</td>
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<tr>
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<table>
<thead>
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<th>TPG.AF</th>
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</tr>
<tr>
<td>Sig.</td>
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</tr>
<tr>
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Means for groups in homogeneous subsets are displayed.
a  Uses Harmonic Mean Sample Size = 6.000.

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<th>Shapiro-Wilk</th>
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a  This is a lower bound of the true significance.

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## EKS.AF

Tukey HSD

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Means for groups in homogeneous subsets are displayed.

a  Uses Harmonic Mean Sample Size = 6.00.

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## Descriptives

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![Image of Universitas Riau Logo](Perpustakaan Unika.png)
Aktivitas Antioksidan 500 ppm pada Tepung

Tests of Normality

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<th>Shapiro-Wilk</th>
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a Lilliefors Significance Correction

ANOVA

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Tukey HSD

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Means for groups in homogeneous subsets are displayed.
a Uses Harmonic Mean Sample Size = 6.000.

Aktivitas Antioksidan 250 ppm pada Tepung

Tests of Normality

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

ANOVA

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### Aktivitas Antioksidan 500 ppm pada Ekstrak

#### Tests of Normality

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a Lilliefors Significance Correction

#### ANOVA

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Means for groups in homogeneous subsets are displayed.
a Uses Harmonic Mean Sample Size = 6.000.
### Aktivitas Antioksidan 250 ppm pada Ekstrak

#### Tests of Normality

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\(a\) Lilliefors Significance Correction

#### ANOVA

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#### Tukey HSD

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Means for groups in homogeneous subsets are displayed.
\(a\) Uses Harmonic Mean Sample Size = 6.000.
### Oneway

#### Descriptives

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### Descriptives

**EKS.500**

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<th>Std. Error</th>
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**EKS.250**

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</table>
7.2. Uji Regresi Nonlinear

Asam Fitat pada Tepung

All the derivatives will be calculated numerically.

<table>
<thead>
<tr>
<th>Iteration</th>
<th>Residual SS</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
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</tbody>
</table>

Run stopped after 4 model evaluations and 2 derivative evaluations. Iterations have been stopped because the relative reduction between successive residual sums of squares is at most SCON = 1.000E-08

Nonlinear Regression Summary Statistics

<table>
<thead>
<tr>
<th>Source</th>
<th>DF</th>
<th>Sum of Squares</th>
<th>Mean Square</th>
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<tr>
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R squared = 1 - Residual SS / Corrected SS = .99962

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<th>Std. Error</th>
<th>Lower</th>
<th>Upper</th>
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Asymptotic Correlation Matrix of the Parameter Estimates

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<th>B</th>
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<th>D</th>
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<td>.4038</td>
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Asam Fitat pada Ekstrak

All the derivatives will be calculated numerically.

<table>
<thead>
<tr>
<th>Iteration</th>
<th>Residual SS</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
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</table>

Run stopped after 4 model evaluations and 2 derivative evaluations.
Iterations have been stopped because the relative reduction between successive residual sums of squares is at most SSCON = 1.000E-08

Nonlinear Regression Summary Statistics

<table>
<thead>
<tr>
<th>Source</th>
<th>DF</th>
<th>Sum of Squares</th>
<th>Mean Square</th>
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R squared = 1 - Residual SS / Corrected SS = .99897

<table>
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<th>Parameter</th>
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Asymptotic Correlation Matrix of the Parameter Estimates

<table>
<thead>
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<th>D</th>
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<td>1.0000</td>
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<tr>
<td>D</td>
<td>-.3185</td>
<td>.4038</td>
<td>-.5934</td>
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</table>
Aktivitas Antioksidan 500 ppm pada Tepung

All the derivatives will be calculated numerically.

<table>
<thead>
<tr>
<th>Iteration</th>
<th>Residual SS</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
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<tbody>
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<td>6.63624283</td>
</tr>
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</table>

Run stopped after 4 model evaluations and 2 derivative evaluations. Iterations have been stopped because the relative reduction between successive residual sums of squares is at most SCON = 1.000E-08

Nonlinear Regression Summary Statistics

Dependent Variable ANT5_TPG

<table>
<thead>
<tr>
<th>Source</th>
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<th>Sum of Squares</th>
<th>Mean Square</th>
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<tbody>
<tr>
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R squared = 1 - Residual SS / Corrected SS = .99583

Asymptotic 95 %

<table>
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<tr>
<th>Parameter</th>
<th>Estimate</th>
<th>Std. Error</th>
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Asymptotic Correlation Matrix of the Parameter Estimates

<table>
<thead>
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<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
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<tbody>
<tr>
<td>A</td>
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<td>.8973</td>
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<tr>
<td>B</td>
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<tr>
<td>C</td>
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<td>-.9553</td>
<td>1.0000</td>
</tr>
<tr>
<td>D</td>
<td>-.3185</td>
<td>.4038</td>
<td>-.5934</td>
</tr>
</tbody>
</table>
Aktivitas Antioksidan 500 ppm pada Ekstrak

All the derivatives will be calculated numerically.

<table>
<thead>
<tr>
<th>Iteration</th>
<th>Residual SS</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
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Run stopped after 3 model evaluations and 2 derivative evaluations. Iterations have been stopped because the magnitude of the largest correlation between the residuals and any derivative column is at most RCON = 1.000E-08

Nonlinear Regression Summary Statistics     Dependent Variable ANT5_EKS

<table>
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<th>Source</th>
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<th>Mean Square</th>
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<tbody>
<tr>
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R squared = 1 - Residual SS / Corrected SS = .99657

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<th>Estimate</th>
<th>Std. Error</th>
<th>Lower</th>
<th>Upper</th>
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Asymptotic Correlation Matrix of the Parameter Estimates

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<th>C</th>
<th>D</th>
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<tbody>
<tr>
<td>1.0000</td>
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<td>.8973</td>
<td>-.9553</td>
<td>1.0000</td>
<td>-.5934</td>
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<tr>
<td>-.3185</td>
<td>.4038</td>
<td>-.5934</td>
<td>1.0000</td>
</tr>
</tbody>
</table>
Aktivitas Antioksidan 250 ppm pada Tepung

All the derivatives will be calculated numerically.

<table>
<thead>
<tr>
<th>Iteration</th>
<th>Residual SS</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
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<td>.000047020</td>
<td>-.00247718</td>
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<td>5.17507143</td>
</tr>
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</table>

Run stopped after 3 model evaluations and 2 derivative evaluations. Iterations have been stopped because the magnitude of the largest correlation between the residuals and any derivative column is at most RCON = 1.000E-08

Nonlinear Regression Summary Statistics

<table>
<thead>
<tr>
<th>Source</th>
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<th>Sum of Squares</th>
<th>Mean Square</th>
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R squared = 1 - Residual SS / Corrected SS = .96532

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<th>Parameter</th>
<th>Estimate</th>
<th>Std. Error</th>
<th>Lower</th>
<th>Upper</th>
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<tbody>
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</table>

Asymptotic Correlation Matrix of the Parameter Estimates

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
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<td>-.9860</td>
<td>.8973</td>
</tr>
<tr>
<td>B</td>
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<tr>
<td>C</td>
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<td>1.0000</td>
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<tr>
<td>D</td>
<td>-.3185</td>
<td>.4038</td>
<td>-.5934</td>
</tr>
</tbody>
</table>
Aktivitas Antioksidan 250 ppm pada Ekstrak

All the derivatives will be calculated numerically.

<table>
<thead>
<tr>
<th>Iteration</th>
<th>Residual SS</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
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<td>10.1711429</td>
</tr>
</tbody>
</table>

Run stopped after 3 model evaluations and 2 derivative evaluations. Iterations have been stopped because the magnitude of the largest correlation between the residuals and any derivative column is at most RCON = 1.000E-08

Nonlinear Regression Summary Statistics  Dependent Variable ANT2_EKS

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<th>Sum of Squares</th>
<th>Mean Square</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regression</td>
<td>4</td>
<td>242.74546</td>
<td>60.68637</td>
</tr>
<tr>
<td>Residual</td>
<td>1</td>
<td>.16905</td>
<td>.16905</td>
</tr>
<tr>
<td>Uncorrected Total</td>
<td>5</td>
<td>242.91451</td>
<td></td>
</tr>
<tr>
<td>(Corrected Total)</td>
<td>4</td>
<td>46.35001</td>
<td></td>
</tr>
</tbody>
</table>

R squared = 1 - Residual SS / Corrected SS = .99635

Asymptotic 95% Confidence Interval

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Estimate</th>
<th>Std. Error</th>
<th>Lower</th>
<th>Upper</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>.000216628</td>
<td>.000062702</td>
<td>-.000580082</td>
<td>.001013338</td>
</tr>
<tr>
<td>B</td>
<td>-.01507242</td>
<td>.004578616</td>
<td>-.073249254</td>
<td>.043104412</td>
</tr>
<tr>
<td>C</td>
<td>.068115079</td>
<td>.086537321</td>
<td>-.1031445835</td>
<td>1.167675994</td>
</tr>
<tr>
<td>D</td>
<td>10.171142857</td>
<td>.408211228</td>
<td>4.984327415</td>
<td>15.357958300</td>
</tr>
</tbody>
</table>

Asymptotic Correlation Matrix of the Parameter Estimates

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>1.000</td>
<td>-.986</td>
<td>.897</td>
<td>-.318</td>
</tr>
<tr>
<td>B</td>
<td>-.986</td>
<td>1.000</td>
<td>-.955</td>
<td>.4038</td>
</tr>
<tr>
<td>C</td>
<td>.897</td>
<td>-.955</td>
<td>1.000</td>
<td>-.5934</td>
</tr>
<tr>
<td>D</td>
<td>-.318</td>
<td>.4038</td>
<td>-.5934</td>
<td>1.000</td>
</tr>
</tbody>
</table>
### 7.3. Uji Korelasi

**Correlations**

<table>
<thead>
<tr>
<th></th>
<th>ASF_EKS</th>
<th>ANT5_EKS</th>
</tr>
</thead>
</table>
| ASF_EKS | Pearson Correlation | 1          | .954(**)
|        | Sig. (2-tailed)        | .000       |
| N       | 30          | 30         |
| ANT5_EKS | Pearson Correlation | .954(**)
|        | Sig. (2-tailed)        | .000       |
| N       | 30          | 30         |

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

**Correlations**

<table>
<thead>
<tr>
<th></th>
<th>ASF_TPG</th>
<th>ANT5_TPG</th>
</tr>
</thead>
</table>
| ASF_TPG | Pearson Correlation | 1          | .943(**)
|        | Sig. (2-tailed)        | .000       |
| N       | 30          | 30         |
| ANT5_TPG | Pearson Correlation | .943(**)
|        | Sig. (2-tailed)        | .000       |
| N       | 30          | 30         |

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

**Correlations**

<table>
<thead>
<tr>
<th></th>
<th>ASF_EKS</th>
<th>ANT2_EKS</th>
</tr>
</thead>
</table>
| ASF_EKS | Pearson Correlation | 1          | .943(**)
|        | Sig. (2-tailed)        | .000       |
| N       | 30          | 30         |
| ANT2_EKS | Pearson Correlation | .943(**)
|        | Sig. (2-tailed)        | .000       |
| N       | 30          | 30         |

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

**Correlations**

<table>
<thead>
<tr>
<th></th>
<th>ASF_TPG</th>
<th>ANT2_TPG</th>
</tr>
</thead>
</table>
| ASF_TPG | Pearson Correlation | 1          | .946(**)
|        | Sig. (2-tailed)        | .000       |
| N       | 30          | 30         |
| ANT2_TPG | Pearson Correlation | .946(**)
|        | Sig. (2-tailed)        | .000       |
| N       | 30          | 30         |

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