

# Results

## Descriptive Statistics

Descriptive Statistics

|                         | Jenis Kelamin | Usia   | Kelas  |
|-------------------------|---------------|--------|--------|
| Valid                   | 167           | 167    | 167    |
| Missing                 | 0             | 0      | 0      |
| Shapiro-Wilk            |               | 0.858  | 0.774  |
| P-value of Shapiro-Wilk |               | < .001 | < .001 |

*Note.* Not all values are available for *Nominal Text* variables

Frequency Tables

Frequencies for Jenis Kelamin

| Jenis Kelamin | Frequency | Percent | Valid Percent | Cumulative Percent |
|---------------|-----------|---------|---------------|--------------------|
| Laki-laki     | 78        | 46.707  | 46.707        | 46.707             |
| Perempuan     | 89        | 53.293  | 53.293        | 100.000            |
| Missing       | 0         | 0.000   |               |                    |
| Total         | 167       | 100.000 |               |                    |

Frequencies for Usia

| Usia    | Frequency | Percent | Valid Percent | Cumulative Percent |
|---------|-----------|---------|---------------|--------------------|
| 12      | 32        | 19.162  | 19.162        | 19.162             |
| 13      | 32        | 19.162  | 19.162        | 38.323             |
| 14      | 66        | 39.521  | 39.521        | 77.844             |
| 15      | 37        | 22.156  | 22.156        | 100.000            |
| Missing | 0         | 0.000   |               |                    |
| Total   | 167       | 100.000 |               |                    |

Frequencies for Kelas

| Kelas   | Frequency | Percent | Valid Percent | Cumulative Percent |
|---------|-----------|---------|---------------|--------------------|
| 7       | 48        | 28.743  | 28.743        | 28.743             |
| 8       | 48        | 28.743  | 28.743        | 57.485             |
| 9       | 71        | 42.515  | 42.515        | 100.000            |
| Missing | 0         | 0.000   |               |                    |
| Total   | 167       | 100.000 |               |                    |

# Correlation

Spearman's Correlations

|    |   |    | Spearman's rho | p      |
|----|---|----|----------------|--------|
| RE | - | MB | 0.716          | < .001 |

# Linear Regression

Model Summary - MB

| Model          | R     | R <sup>2</sup> | Adjusted R <sup>2</sup> | RMSE   |
|----------------|-------|----------------|-------------------------|--------|
| H <sub>0</sub> | 0.000 | 0.000          | 0.000                   | 15.020 |
| H <sub>1</sub> | 0.724 | 0.525          | 0.522                   | 10.386 |

ANOVA

| Model          |            | Sum of Squares | df  | Mean Square | F       | p      |
|----------------|------------|----------------|-----|-------------|---------|--------|
| H <sub>1</sub> | Regression | 19650.410      | 1   | 19650.410   | 182.175 | < .001 |
|                | Residual   | 17797.865      | 165 | 107.866     |         |        |
|                | Total      | 37448.275      | 166 |             |         |        |

*Note.* The intercept model is omitted, as no meaningful information can be shown.

Coefficients

| Model          |             | Unstandardized | Standard Error | Standardized | t      | p      |
|----------------|-------------|----------------|----------------|--------------|--------|--------|
| H <sub>0</sub> | (Intercept) | 43.066         | 1.162          |              | 37.054 | < .001 |
| H <sub>1</sub> | (Intercept) | 7.406          | 2.762          |              | 2.682  | 0.008  |
|                | RE          | 1.391          | 0.103          | 0.724        | 13.497 | < .001 |

Q-Q Plot Standardized Residuals



