

**Lampiran 17. Uji Normalitas dan Uji Wilcoxon**

**Tests of Normality**

|         | Kolmogorov-Smirnov <sup>a</sup> |    |      | Shapiro-Wilk |    |      |
|---------|---------------------------------|----|------|--------------|----|------|
|         | Statistic                       | df | Sig. | Statistic    | df | Sig. |
| PRETEST | .218                            | 44 | .000 | .894         | 44 | .001 |
| POSTEST | .210                            | 44 | .000 | .924         | 44 | .006 |

a. Lilliefors Significance Correction

**Wilcoxon Signed Ranks Test**

**Ranks**

|                   |                | N               | Mean Rank | Sum of Ranks |
|-------------------|----------------|-----------------|-----------|--------------|
| POSTEST - PRETEST | Negative Ranks | 0 <sup>a</sup>  | .00       | .00          |
|                   | Positive Ranks | 43 <sup>b</sup> | 22.00     | 946.00       |
|                   | Ties           | 1 <sup>c</sup>  |           |              |
|                   | Total          | 44              |           |              |

a. POSTEST < PRETEST

b. POSTEST > PRETEST

c. POSTEST = PRETEST

**Test Statistics<sup>a</sup>**

| POSTEST -<br>PRETEST   |                     |
|------------------------|---------------------|
| Z                      | -5.779 <sup>b</sup> |
| Asymp. Sig. (2-tailed) | .000                |

a. Wilcoxon Signed Ranks Test

b. Based on negative ranks.