**Appendix 13**

**Hypothesis Testing of Students Speaking Skill by Using Oral Test**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Ranks** | | | | |
|  | | N | Mean Rank | Sum of Ranks |
| post - pre | Negative Ranks | 7a | 18.50 | 129.50 |
| Positive Ranks | 20b | 12.43 | 248.50 |
| Ties | 16c |  |  |
| Total | 43 |  |  |
| a. post < pre | | | | |
| b. post > pre | | | | |
| c. post = pre | | | | |

|  |  |
| --- | --- |
| **Test Statisticsa** | |
|  | post - pre |
| Z | -1.452b |
| Asymp. Sig. (2-tailed) | .146 |
| a. Wilcoxon Signed Ranks Test | |
| b. Based on negative ranks. | |

**Description:**

Since the p-value of 0.146 is greater than the typical significance level of 0.05, we fail to reject the null hypothesis. This means there is not enough evidence to conclude that there is a significant difference in the median of the paired samples.