**Lampiran 15**

**Wilcoxon Signed Ranks Test**

| **Ranks** | | | | |
| --- | --- | --- | --- | --- |
|  |  | N | Mean Rank | Sum of Ranks |
| pottes - pretest | Negative Ranks | 0a | .00 | .00 |
| Positive Ranks | 20b | 10.50 | 210.00 |
| Ties | 0c |  |  |
| Total | 20 |  |  |
| a. pottes < pretest | |  |  |  |
| b. pottes > pretest | |  |  |  |
| c. pottes = pretest | |  |  |  |

| **Test Statisticsb** | |
| --- | --- |
|  | pottes - pretest |
| Z | -3.927a |
| Asymp. Sig. (2-tailed) | .000 |
| a. Based on negative ranks. | |
| b. Wilcoxon Signed Ranks Test | |