**Lampiran 11**

**ANALISIS DATAHASIL PRETEST DAN POSTTEST SISWA**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **POSTTEST** | | | | | **PRETESET** | | | | |
| **X** | **F** |  | **FX** |  | **Y** | **F** |  | **FY** |  |
| 90 | 4 | 8100 | 360 | 32400 | 75 | 1 | 5625 | 75 | 5625 |
| 85 | 4 | 7225 | 340 | 28900 | 70 | 2 | 4900 | 140 | 9800 |
| 80 | 4 | 6400 | 320 | 25600 | 65 | 2 | 4225 | 130 | 8450 |
| 75 | 3 | 5625 | 225 | 16875 | 60 | 5 | 3600 | 300 | 18000 |
| 70 | 3 | 4900 | 210 | 14700 | 55 | 1 | 3025 | 55 | 3025 |
| 65 | 1 | 4225 | 65 | 4225 | 50 | 4 | 2500 | 200 | 10000 |
| 60 | 1 | 3600 | 60 | 3600 | 45 | 3 | 2025 | 135 | 6075 |
| 55 | 1 | 3025 | 55 | 3025 | 40 | 4 | 1600 | 160 | 6400 |
| 50 | 1 | 2500 | 50 | 2500 | 0 | 0 | 0 | 0 | 0 |
| **630** | **22** | **45600** | **1685** | **131825** | **460** | **22** | **27500** | **1195** | **67375** |

1. Nilai rata-rata hasil belajar Posttest X
2. Nilai rata-rata hasil belajar Pretest Y

1. Nilai Standar Deviasi Kuadrat Posttest X
2. Nilai Standar Deviasi Kuadrat Pretest Y

2950,465

1. Nilai Standar Deviasi rata-rata Kuadrat Posttest X

5,994195

1. Nilai Standar Deviasi rata-rata Kuadrat Pretest Y
2. Nilai SDbm

Setelah hasil perhitungan diatas selanjutnya gunakan rumus t-tes

=

= 6,617192

d.b = ( +) - 2

= (22+22) – 2

= 42