**PERHITUNGAN NILAI UJI MEAN TERHADAP DATA SISWA HASIL KLS KONTROL DAN KLS EKSPERIMEN**

**LAMPIRAN 11**

1. **STANDAR DEVIASI**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **NO** | **Eksperimen**  **(X1)** |  | **Kontrol**  **(Y2)** |  | **(D)**  **(X1- Y2)** |  |
| 1 | 65 | 4225 | 60 | 3600 | 5 | 25 |
| 2 | 85 | 7225 | 60 | 3600 | 25 | 625 |
| 3 | 85 | 7225 | 70 | 4900 | 15 | 225 |
| 4 | 85 | 7225 | 65 | 4225 | 20 | 400 |
| 5 | 80 | 6400 | 60 | 3600 | 20 | 400 |
| 6 | 75 | 5625 | 55 | 3025 | 20 | 400 |
| 7 | 65 | 4225 | 60 | 3600 | 5 | 25 |
| 8 | 60 | 3600 | 50 | 2500 | 10 | 100 |
| 9 | 70 | 4900 | 65 | 4225 | 5 | 25 |
| 10 | 65 | 4225 | 45 | 2025 | 20 | 400 |
| 11 | 90 | 8100 | 55 | 3025 | 35 | 1225 |
| 12 | 85 | 7225 | 60 | 3600 | 25 | 625 |
| 13 | 85 | 7225 | 65 | 4225 | 20 | 400 |
| 14 | 70 | 4900 | 40 | 1600 | 30 | 900 |
| 15 | 75 | 5625 | 50 | 2500 | 25 | 625 |
| 16 | 90 | 8100 | 70 | 4900 | 20 | 400 |
| 17 | 70 | 4900 | 45 | 2025 | 25 | 625 |
| 18 | 85 | 7225 | 65 | 4225 | 20 | 400 |
| 19 | 90 | 8100 | 65 | 4225 | 25 | 625 |
| 20 | 65 | 4225 | 60 | 3600 | 5 | 25 |
| 21 | 85 | 7225 | 65 | 4225 | 20 | 400 |
| 22 | 70 | 4900 | 60 | 3600 | 10 | 100 |
| 23 | 70 | 4900 | 60 | 3600 | 10 | 100 |
| **N** | **1765** | **137525** | **1350** | **80650** | **415** | **9075** |
|  | **76,73** | **5979,34** | **58,69** | **3506,52** | **18,04** | **394,56** |

1. Mencari nilai meanEksperimen (X) dan Kontrol(Y) dengan rumus:

1. Mencari standar deviasi kuadrat kelompok X dan Y rumus:
2. Mencari standar deviasi mean kuadrat dari Eksperimen dan Kontrol dengan rumus:

4,175

1. Mencari SDbm menggunakan rumus

SDbm =

1. Selanjutnya sudah dapat digunakan rumus t-test

6,82196