|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **R**  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 |
| 1 | 2 | 3 | 3 | 3 | 2 | 4 | 4 | 4 | 3 | 2 | 3 | 2 | 4 | 3 | 4 | 3 | 4 | 4 | 3 | 4 | 3 | 2 | 3 | 4 | 3 | 3 | 4 | 3 | 4 | 4 | 2 | 4 | 3 | 3 | 2 | 4 | 3 |
| 2 | 3 | 3 | 2 | 4 | 3 | 3 | 4 | 2 | 3 | 4 | 3 | 3 | 3 | 2 | 3 | 4 | 3 | 2 | 3 | 4 | 2 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 2 | 2 | 3 | 3 | 2 | 3 | 4 | 3 |
| 3 | 3 | 3 | 4 | 3 | 3 | 4 | 3 | 2 | 2 | 2 | 3 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 3 | 2 | 2 | 3 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 2 | 3 | 4 | 3 | 2 | 3 |
| 4 | 3 | 2 | 3 | 3 | 2 | 4 | 3 | 2 | 2 | 2 | 3 | 4 | 3 | 2 | 3 | 2 | 2 | 3 | 4 | 3 | 2 | 3 | 4 | 3 | 3 | 3 | 2 | 3 | 2 | 3 | 2 | 3 | 3 | 2 | 3 | 2 | 4 |
| 5 | 4 | 3 | 4 | 2 | 2 | 3 | 2 | 3 | 3 | 3 | 4 | 3 | 3 | 4 | 2 | 2 | 3 | 3 | 4 | 3 | 2 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 2 | 2 | 3 | 4 | 3 | 4 | 3 | 2 | 4 |
| 6 | 3 | 3 | 4 | 4 | 3 | 2 | 4 | 3 | 3 | 3 | 4 | 3 | 4 | 4 | 3 | 3 | 3 | 2 | 2 | 3 | 4 | 3 | 2 | 2 | 3 | 2 | 3 | 4 | 3 | 4 | 3 | 3 | 4 | 2 | 3 | 2 | 3 |
| 7 | 2 | 3 | 2 | 3 | 4 | 3 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 3 | 3 | 4 | 3 | 3 | 3 | 4 | 3 | 3 | 4 | 3 | 3 | 3 | 2 | 2 | 3 | 4 | 3 | 2 | 3 | 4 | 4 | 2 | 2 |
| 8 | 2 | 3 | 3 | 4 | 4 | 3 | 2 | 3 | 4 | 3 | 4 | 4 | 3 | 2 | 2 | 3 | 3 | 2 | 3 | 3 | 4 | 3 | 2 | 2 | 3 | 3 | 4 | 3 | 3 | 4 | 3 | 3 | 2 | 3 | 2 | 2 | 3 |
| 9 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 2 | 3 | 2 | 4 | 3 | 4 | 3 | 2 | 3 | 4 | 2 | 3 | 3 | 2 | 3 | 2 | 3 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 2 | 2 |
| 10 | 3 | 4 | 3 | 2 | 3 | 4 | 3 | 4 | 3 | 4 | 4 | 3 | 2 | 3 | 4 | 3 | 2 | 3 | 4 | 4 | 3 | 3 | 3 | 4 | 3 | 2 | 3 | 2 | 3 | 4 | 3 | 3 | 2 | 2 | 2 | 3 | 4 |
| 11 | 2 | 3 | 2 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 2 | 3 | 2 | 3 | 4 | 3 | 2 | 3 | 4 | 3 | 2 | 3 | 4 | 3 | 4 | 3 | 2 | 3 | 4 | 3 | 3 | 3 | 4 | 4 | 4 | 3 | 4 |
| 12 | 2 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 3 | 4 | 3 | 2 | 3 | 3 | 4 | 4 | 4 | 4 | 3 | 2 | 3 | 4 | 3 | 2 | 3 | 4 | 3 | 4 | 4 | 3 | 2 | 3 | 2 | 3 | 4 | 4 | 4 |
| 13 | 4 | 4 | 4 | 3 | 2 | 3 | 4 | 3 | 4 | 3 | 2 | 2 | 3 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 2 | 3 | 4 | 3 | 2 | 3 | 4 | 3 | 2 | 3 | 4 | 3 | 2 | 3 | 3 | 4 | 2 |
| 14 | 3 | 4 | 3 | 3 | 2 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 3 | 2 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 3 | 3 | 2 | 2 | 2 | 3 | 4 | 4 | 4 | 3 | 2 | 3 |
| 15 | 4 | 3 | 4 | 3 | 4 | 3 | 2 | 2 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 2 | 3 | 2 | 3 | 3 | 2 | 3 | 4 | 4 | 3 | 4 | 3 | 4 | 3 | 3 | 3 | 2 | 3 | 4 | 4 | 4 | 3 |
| 16 | 3 | 2 | 3 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 3 | 3 | 3 | 2 | 2 | 2 | 3 | 4 | 3 | 2 | 3 | 4 | 3 | 3 | 2 | 2 | 2 | 4 | 3 | 4 | 3 | 4 | 4 |
| 17 | 4 | 3 | 4 | 2 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 2 | 3 | 4 | 3 | 4 | 3 | 2 | 3 | 4 | 2 | 3 | 2 | 3 | 4 | 3 | 2 | 3 | 4 | 3 | 2 | 3 | 4 | 3 | 4 | 3 | 4 |
| 18 | 3 | 4 | 4 | 4 | 2 | 3 | 4 | 3 | 3 | 3 | 2 | 3 | 2 | 3 | 4 | 3 | 4 | 3 | 3 | 3 | 2 | 3 | 4 | 3 | 2 | 3 | 3 | 3 | 2 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 3 |
| 19 | 3 | 2 | 3 | 3 | 3 | 4 | 3 | 4 | 3 | 2 | 3 | 3 | 3 | 2 | 2 | 3 | 4 | 4 | 3 | 4 | 3 | 2 | 3 | 4 | 3 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 3 | 3 | 2 | 3 | 4 |
| 20 | 2 | 2 | 3 | 2 | 3 | 3 | 2 | 3 | 4 | 4 | 3 | 2 | 2 | 2 | 3 | 2 | 4 | 4 | 2 | 3 | 4 | 3 | 2 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 |
| 21 | 2 | 4 | 3 | 4 | 3 | 2 | 3 | 4 | 3 | 2 | 3 | 3 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 2 | 2 | 3 | 2 | 3 | 2 | 3 | 4 | 3 | 2 | 2 | 3 | 3 | 4 | 4 | 4 | 3 | 4 |
| 22 | 4 | 3 | 2 | 3 | 4 | 3 | 2 | 3 | 4 | 3 | 3 | 4 | 3 | 2 | 3 | 4 | 3 | 2 | 3 | 4 | 3 | 2 | 3 | 2 | 4 | 2 | 4 | 3 | 3 | 3 | 2 | 2 | 2 | 3 | 4 | 3 | 4 |
| 23 | 3 | 2 | 3 | 4 | 4 | 3 | 4 | 3 | 2 | 3 | 4 | 3 | 3 | 4 | 3 | 4 | 3 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 3 | 2 | 3 | 2 | 3 | 2 | 3 | 4 |
| 24 | 2 | 1 | 2 | 3 | 2 | 1 | 4 | 3 | 2 | 3 | 4 | 3 | 2 | 3 | 4 | 2 | 3 | 4 | 3 | 4 | 3 | 3 | 3 | 2 | 2 | 2 | 3 | 4 | 4 | 3 | 2 | 3 | 3 | 2 | 3 | 4 | 3 |
| 25 | 3 | 2 | 3 | 4 | 3 | 3 | 4 | 2 | 1 | 1 | 2 | 3 | 2 | 3 | 4 | 4 | 3 | 4 | 3 | 2 | 3 | 4 | 2 | 4 | 2 | 1 | 3 | 1 | 2 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 4 |
| 26 | 1 | 4 | 4 | 3 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 2 | 3 | 2 | 3 | 3 | 2 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 2 | 3 | 2 | 3 | 2 | 3 | 3 | 2 | 2 | 2 | 3 | 4 | 3 |
| 27 | 2 | 2 | 3 | 2 | 2 | 1 | 2 | 3 | 2 | 3 | 2 | 2 | 2 | 3 | 3 | 3 | 2 | 2 | 3 | 1 | 2 | 2 | 3 | 4 | 5 | 5 | 5 | 4 | 3 | 4 | 3 | 4 | 3 | 2 | 2 | 3 | 3 |
| 28 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 2 | 2 | 4 | 3 | 3 | 2 | 3 | 4 | 3 | 2 | 2 | 2 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 4 | 4 |
| 29 | 2 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 3 | 4 | 3 | 4 | 3 | 3 | 3 | 4 | 2 | 3 | 2 | 3 | 3 | 4 | 4 | 3 | 2 | 2 | 3 | 3 | 4 | 3 | 2 | 2 | 3 | 4 | 3 | 2 | 3 |
| 30 | 3 | 2 | 3 | 2 | 1 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 4 | 3 | 4 | 3 | 4 | 2 | 2 | 2 | 3 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 2 | 2 |

**DATA UJI LAPANGAN**

**LAMPIRAN 8**

**HASIL SKOR *PRETES***

|  |  |
| --- | --- |
|  |  Item |
| responden | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | Jumlah |
| 1 | 3 | 4 | 3 | 4 | 4 | 2 | 4 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 4 | 2 | 4 | 4 | 3 | 4 | 3 | 4 | 2 | 2 | 4 | 4 | 4 | 4 | 4 | 4 | 105 |
| 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 91 |
| 3 | 4 | 4 | 4 | 4 | 4 | 2 | 2 | 2 | 3 | 3 | 2 | 3 | 2 | 3 | 2 | 4 | 3 | 2 | 4 | 3 | 2 | 2 | 2 | 2 | 4 | 4 | 4 | 2 | 2 | 2 | 86 |
| 4 | 2 | 2 | 2 | 2 | 4 | 4 | 4 | 3 | 2 | 3 | 2 | 3 | 4 | 4 | 4 | 4 | 3 | 3 | 2 | 2 | 2 | 4 | 4 | 3 | 3 | 3 | 2 | 2 | 4 | 2 | 88 |
| 5 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 2 | 3 | 2 | 3 | 2 | 3 | 4 | 3 | 4 | 2 | 4 | 2 | 4 | 2 | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 80 |
| 6 | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 2 | 2 | 2 | 4 | 4 | 3 | 3 | 3 | 2 | 2 | 90 |
| 7 | 2 | 2 | 3 | 3 | 2 | 3 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 2 | 3 | 3 | 2 | 4 | 96 |
| 8 | 3 | 3 | 3 | 3 | 4 | 4 | 3 | 2 | 3 | 4 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 3 | 2 | 2 | 4 | 4 | 4 | 2 | 2 | 4 | 4 | 98 |
| 9 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 2 | 2 | 3 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 2 | 3 | 3 | 100 |
| 10 | 3 | 4 | 3 | 4 | 4 | 4 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 2 | 2 | 2 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 97 |
| Jumlah  | 931 |

**LAMPIRAN 9**

**HASIL SKOR *POSTTEST***

|  |  |
| --- | --- |
|  |  Item  |
| responden | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | Jumlah  |
| 1 | 2 | 2 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 3 | 2 | 3 | 2 | 1 | 2 | 3 | 2 | 1 | 3 | 2 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 55 |
| 2 | 1 | 1 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 3 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 44 |
| 3 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 45 |
| 4 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 3 | 3 | 2 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 2 | 53 |
| 5 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 2 | 2 | 3 | 3 | 3 | 2 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 3 | 55 |
| 6 | 3 | 3 | 3 | 2 | 3 | 2 | 3 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 1 | 1 | 2 | 2 | 2 | 3 | 2 | 2 | 3 | 2 | 2 | 1 | 1 | 1 | 2 | 2 | 65 |
| 7 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 2 | 3 | 2 | 3 | 2 | 1 | 1 | 2 | 2 | 2 | 3 | 2 | 1 | 1 | 2 | 2 | 1 | 1 | 2 | 2 | 61 |
| 8 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 2 | 2 | 1 | 1 | 1 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 58 |
| 9 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 2 | 2 | 2 | 3 | 2 | 3 | 2 | 3 | 2 | 3 | 2 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 3 | 2 | 67 |
| 10 | 1 | 1 | 1 | 1 | 2 | 2 | 3 | 1 | 1 | 2 | 3 | 2 | 1 | 1 | 1 | 2 | 3 | 2 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 2 | 2 | 3 | 1 | 48 |
| Jumlah  | 551 |