1. **HASIL UJI VALIDITAS DAN RELIABILITAS INSTRUMEN**

**Hasil Uji Validitas Pengetahuan**

|  |  |  |  |
| --- | --- | --- | --- |
| Item | r hitung | r tabel | Keterangan |
| P1 | 0 | 0,361 | Tidak valid |
| P2 | -0,101 | 0,361 | Tidak valid |
| P3 | 0,456 | 0,361 | Valid |
| P4 | 0,390 | 0,361 | Valid |
| P5 | 0,173 | 0,361 | Tidak valid |
| P6 | 0,618 | 0,361 | Valid |
| P7 | 0,272 | 0,361 | Tidak valid |
| P8 | 0,543 | 0,361 | Valid |
| P9 | 0 | 0,361 | Tidak valid |
| P10 | 0,387 | 0,361 | Valid |
| P11 | 0,438 | 0,361 | Valid |
| P12 | 0,373 | 0,361 | Valid |
| P13 | 0,237 | 0,361 | Tidak valid |
| P14 | 0,000 | 0,361 | Tidak valid |
| P15 | 0,232 | 0,361 | Tidak valid |
| P16 | 0,403 | 0,361 | Valid |
| P17 | 0,348 | 0,361 | Tidak valid |
| P18 | 0,445 | 0,361 | Valid |
| P19 | 0,339 | 0,361 | Tidak valid |
| P20 | 0,437 | 0,361 | Valid |
| P21 | 0,551 | 0,361 | Valid |
| P22 | 0,643 | 0,361 | Valid |
| P23 | 0,303 | 0,361 | Tidak valid |
| P24 | 0,000 | 0,361 | Tidak valid |
| P25 | 0,462 | 0,361 | Valid |
| P26 | 0,399 | 0,361 | Valid |
| P27 | -0,074 | 0,361 | Tidak valid |
| P28 | 0,767 | 0,361 | Valid |
| P29 | 0,312 | 0,361 | Tidak valid |
| P30 | 0 | 0,361 | Tidak valid |

**Hasil Uji Reliabilitas Pengetahuan**

 **Reliability Statistics**

|  |  |
| --- | --- |
| Cronbach's Alpha | N of Items |
| .730 | 30 |

**Hasil Uji Validitas Kuesioner Sikap**

|  |  |  |  |
| --- | --- | --- | --- |
| Item | r hitung | r tabel | Keterangan |
| P1 | - 0,275 | 0,361 | Tidak Valid |
| P2 | 0,613 | 0,361 | Valid |
| P3 | 0,554 | 0,361 | Valid |
| P4 | 0,655 | 0,361 | Valid |
| P5 | 0,709 | 0,361 | Valid |
| P6 | 0,457 | 0,361 | Valid |
| P7 | 0,584 | 0,361 | Valid |
| P8 | 0,451 | 0,361 | Valid |
| P9 | 0,152 | 0,361 | Tidak Valid |
| P10 | 0,382 | 0,361 | Valid |
| P11 | -0,009 | 0,361 | Tidak Valid |
| P12 | 0,588 | 0,361 | Valid |
| P13 | 0,252 | 0,361 | Tidak Valid |
| P14 | 0,517 | 0,361 | Valid |
| P15 | 0,333 | 0,361 | Tidak Valid |
| P16 | -0,026 | 0,361 | Tidak Valid |
| P17 | 0,176 | 0,361 | Tidak Valid |
| P18 | 0,507 | 0,361 | Valid |
| P19 | 0,666 | 0,361 | Valid |
| P20 | 0,161 | 0,361 | Tidak Valid |
| P21 | 0,460 | 0,361 | Valid |
| P22 | 0,486 | 0,361 | Valid |
| P23 | 0,466 | 0,361 | Valid |
| P24 | 0,326 | 0,361 | Tidak Valid |
| P25 | 0,184 | 0,361 | Tidak Valid |
| P26 | 0,000 | 0,361 | Tidak Valid |
| P27 | 0,157 | 0,361 | Tidak Valid |
| P28 | 0,296 | 0,361 | Tidak Valid |

**Hasil Uji Reliabilitas Kuesioner Sikap**

 **Reliability Statistics**

|  |  |
| --- | --- |
| Cronbach's Alpha | N of Items |
| .732 | 28 |

1. **HASIL PENGOLAHAN DAN ANALISIS DATA**

**Master Tabel Hasil Jawaban *Pretest* Kuesioner Pengetahuan**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No | p1 | p2 | p3 | p4 | p5 | p6 | p7 | p8 | p9 | p10 | p11 | p12 | p13 | p14 | p15 | Total | Nilai |
| 1 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 9 | 60 |
| 2 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 8 | 53 |
| 3 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 8 | 53 |
| 4 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 11 | 73 |
| 5 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 9 | 60 |
| 6 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 11 | 73 |
| 7 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 12 | 80 |
| 8 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 10 | 67 |
| 9 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 11 | 73 |
| 10 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 10 | 67 |
| 11 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 9 | 60 |
| 12 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 10 | 67 |
| 13 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 9 | 60 |
| 14 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 10 | 67 |
| 15 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 13 | 87 |
| 16 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 7 | 47 |
| 17 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 10 | 67 |
| 18 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 12 | 80 |
| 19 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 11 | 73 |
| 20 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 11 | 73 |
| 21 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 12 | 80 |
| 22 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 11 | 73 |
| 23 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 11 | 73 |
| 24 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 10 | 67 |
| 25 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 10 | 67 |
| 26 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 11 | 73 |
| 27 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 8 | 53 |
| 28 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 11 | 73 |
| 29 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 8 | 53 |
| 30 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 9 | 60 |
| 31 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 12 | 80 |
| 32 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 11 | 73 |
| 33 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 13 | 87 |
| 34 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 9 | 60 |
| 35 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 10 | 67 |
| 36 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 13 | 87 |
| 37 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 10 | 67 |
| 38 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 10 | 67 |
| 39 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 10 | 67 |
| 40 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 9 | 60 |
| 41 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 9 | 60 |
| 42 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 11 | 73 |
| 43 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 12 | 80 |
| 44 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 12 | 80 |
| 45 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 12 | 80 |
| 46 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 10 | 67 |
| 47 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 10 | 67 |
| 48 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 13 | 87 |
| 49 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 13 | 87 |
| 50 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 10 | 67 |
| 51 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 13 | 87 |
| 52 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 8 | 53 |
| 53 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 8 | 53 |

**Master Tabel Hasil Jawaban *Posttest* Kuesioner Pengetahuan**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No | p1 | p2 | p3 | p4 | p5 | p6 | p7 | p8 | p9 | p10 | p11 | p12 | p13 | p14 | p15 | Total | Nilai |
| 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 12 | 80 |
| 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 15 | 100 |
| 3 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 13 | 87 |
| 4 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 13 | 87 |
| 5 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 12 | 80 |
| 6 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 15 | 100 |
| 7 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 14 | 93 |
| 8 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 14 | 93 |
| 9 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 13 | 87 |
| 10 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 14 | 93 |
| 11 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 14 | 93 |
| 12 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 13 | 87 |
| 13 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 11 | 73 |
| 14 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 11 | 73 |
| 15 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 15 | 100 |
| 16 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 10 | 67 |
| 17 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 15 | 100 |
| 18 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 13 | 87 |
| 19 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 15 | 100 |
| 20 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 15 | 100 |
| 21 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 14 | 93 |
| 22 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 14 | 93 |
| 23 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 14 | 93 |
| 24 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 12 | 80 |
| 25 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 15 | 100 |
| 26 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 15 | 100 |
| 27 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 15 | 100 |
| 28 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 15 | 100 |
| 29 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 13 | 87 |
| 30 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 12 | 80 |
| 31 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 13 | 87 |
| 32 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 14 | 93 |
| 33 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 15 | 100 |
| 34 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 12 | 80 |
| 35 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 13 | 87 |
| 36 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 14 | 93 |
| 37 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 14 | 93 |
| 38 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 13 | 87 |
| 39 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 14 | 93 |
| 40 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 14 | 93 |
| 41 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 14 | 93 |
| 42 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 14 | 93 |
| 43 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 15 | 100 |
| 44 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 15 | 100 |
| 45 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 14 | 93 |
| 46 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 13 | 87 |
| 47 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 12 | 80 |
| 48 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 15 | 100 |
| 49 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 15 | 100 |
| 50 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 14 | 93 |
| 51 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 14 | 93 |
| 52 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 14 | 93 |
| 53 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 13 | 87 |

**Master Tabel Hasil Jawaban *Pretest* Kuesioner Sikap**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P9 | P10 | P11 | P12 | P13 | P14 | P15 | Total |
| 1 | 5 | 4 | 2 | 4 | 5 | 4 | 4 | 4 | 4 | 2 | 4 | 4 | 4 | 4 | 4 | 48 |
| 2 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 3 | 3 | 2 | 4 | 4 | 4 | 3 | 4 | 44 |
| 3 | 5 | 3 | 4 | 5 | 4 | 1 | 4 | 5 | 5 | 2 | 4 | 4 | 4 | 3 | 4 | 45 |
| 4 | 4 | 3 | 5 | 4 | 5 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 51 |
| 5 | 5 | 3 | 5 | 5 | 3 | 4 | 4 | 4 | 2 | 2 | 5 | 4 | 4 | 5 | 4 | 50 |
| 6 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 3 | 5 | 2 | 4 | 5 | 5 | 4 | 5 | 57 |
| 7 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 5 | 3 | 4 | 5 | 4 | 4 | 4 | 51 |
| 8 | 5 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 48 |
| 9 | 5 | 4 | 5 | 4 | 5 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 5 | 4 | 52 |
| 10 | 5 | 4 | 5 | 5 | 5 | 4 | 5 | 3 | 3 | 3 | 5 | 2 | 4 | 4 | 4 | 50 |
| 11 | 4 | 3 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 47 |
| 12 | 5 | 3 | 5 | 5 | 5 | 5 | 5 | 4 | 3 | 3 | 5 | 4 | 5 | 4 | 5 | 58 |
| 13 | 5 | 5 | 5 | 5 | 5 | 3 | 4 | 4 | 3 | 2 | 4 | 5 | 4 | 4 | 5 | 45 |
| 14 | 3 | 4 | 5 | 5 | 5 | 2 | 2 | 5 | 4 | 5 | 4 | 5 | 4 | 4 | 5 | 51 |
| 15 | 4 | 5 | 4 | 5 | 5 | 4 | 5 | 3 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 60 |
| 16 | 4 | 2 | 5 | 4 | 5 | 5 | 5 | 4 | 2 | 2 | 5 | 5 | 5 | 1 | 5 | 48 |
| 17 | 5 | 4 | 5 | 5 | 4 | 5 | 4 | 3 | 2 | 4 | 4 | 4 | 5 | 4 | 5 | 52 |
| 18 | 5 | 4 | 5 | 5 | 5 | 3 | 5 | 3 | 3 | 3 | 5 | 5 | 4 | 4 | 5 | 55 |
| 19 | 4 | 5 | 3 | 4 | 3 | 3 | 4 | 3 | 3 | 3 | 4 | 4 | 5 | 3 | 5 | 48 |
| 20 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 5 | 3 | 3 | 5 | 5 | 4 | 5 | 4 | 53 |
| 21 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 2 | 5 | 5 | 4 | 4 | 5 | 5 | 60 |
| 22 | 5 | 4 | 4 | 5 | 4 | 5 | 5 | 3 | 4 | 3 | 5 | 5 | 5 | 4 | 5 | 60 |
| 23 | 5 | 5 | 5 | 4 | 4 | 4 | 5 | 4 | 4 | 3 | 4 | 5 | 4 | 3 | 5 | 56 |
| 24 | 4 | 4 | 5 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 51 |
| 25 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 2 | 3 | 4 | 4 | 4 | 4 | 5 | 48 |
| 26 | 4 | 3 | 5 | 5 | 5 | 4 | 5 | 3 | 4 | 3 | 5 | 5 | 4 | 3 | 5 | 55 |
| 27 | 5 | 3 | 5 | 5 | 5 | 4 | 4 | 3 | 2 | 2 | 4 | 4 | 4 | 4 | 4 | 55 |
| 28 | 5 | 3 | 5 | 5 | 4 | 4 | 4 | 3 | 1 | 3 | 5 | 4 | 4 | 3 | 5 | 52 |
| 29 | 5 | 4 | 5 | 5 | 5 | 4 | 5 | 3 | 3 | 3 | 5 | 5 | 5 | 5 | 5 | 53 |
| 30 | 3 | 4 | 5 | 5 | 5 | 4 | 5 | 1 | 1 | 3 | 4 | 3 | 3 | 5 | 5 | 54 |
| 31 | 4 | 3 | 4 | 5 | 5 | 4 | 4 | 4 | 3 | 3 | 4 | 5 | 4 | 3 | 5 | 46 |
| 32 | 5 | 5 | 5 | 5 | 5 | 2 | 5 | 4 | 3 | 3 | 4 | 4 | 4 | 3 | 5 | 60 |
| 33 | 5 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 51 |
| 34 | 3 | 5 | 4 | 5 | 5 | 2 | 5 | 4 | 2 | 4 | 5 | 5 | 5 | 4 | 5 | 60 |
| 35 | 5 | 3 | 5 | 5 | 5 | 3 | 5 | 4 | 2 | 3 | 5 | 4 | 4 | 3 | 5 | 57 |
| 36 | 5 | 4 | 5 | 5 | 5 | 5 | 4 | 5 | 2 | 4 | 4 | 4 | 4 | 3 | 5 | 48 |
| 37 | 4 | 5 | 5 | 5 | 5 | 3 | 4 | 3 | 5 | 4 | 5 | 4 | 4 | 4 | 5 | 54 |
| 38 | 5 | 3 | 4 | 5 | 5 | 4 | 4 | 3 | 3 | 3 | 4 | 4 | 4 | 3 | 5 | 52 |
| 39 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 5 | 5 | 5 | 4 | 4 | 54 |
| 40 | 4 | 4 | 5 | 4 | 4 | 2 | 5 | 5 | 3 | 2 | 5 | 3 | 4 | 3 | 4 | 47 |
| 41 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 4 | 5 | 2 | 5 | 5 | 4 | 4 | 5 | 57 |
| 42 | 5 | 4 | 4 | 5 | 4 | 4 | 5 | 3 | 4 | 2 | 4 | 5 | 4 | 4 | 5 | 53 |
| 43 | 4 | 5 | 4 | 5 | 3 | 4 | 4 | 3 | 3 | 3 | 4 | 5 | 4 | 4 | 4 | 51 |
| 44 | 5 | 5 | 5 | 5 | 4 | 4 | 5 | 5 | 4 | 4 | 4 | 5 | 4 | 5 | 5 | 59 |
| 45 | 4 | 3 | 3 | 5 | 3 | 4 | 4 | 3 | 3 | 3 | 4 | 4 | 4 | 3 | 4 | 49 |
| 46 | 3 | 5 | 4 | 5 | 5 | 2 | 5 | 4 | 2 | 4 | 5 | 5 | 5 | 4 | 5 | 60 |
| 47 | 3 | 5 | 4 | 5 | 5 | 2 | 5 | 4 | 2 | 4 | 5 | 5 | 5 | 4 | 5 | 60 |
| 48 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 2 | 5 | 5 | 5 | 5 | 5 | 5 | 60 |
| 49 | 4 | 5 | 3 | 5 | 4 | 3 | 5 | 4 | 4 | 4 | 4 | 5 | 4 | 5 | 4 | 56 |
| 50 | 5 | 3 | 5 | 3 | 5 | 1 | 4 | 5 | 2 | 2 | 1 | 4 | 3 | 5 | 4 | 54 |
| 51 | 5 | 5 | 4 | 4 | 5 | 4 | 4 | 4 | 3 | 4 | 5 | 4 | 5 | 4 | 5 | 56 |
| 52 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 4 | 5 | 2 | 5 | 5 | 4 | 4 | 1 | 57 |
| 53 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 3 | 5 | 2 | 5 | 5 | 5 | 5 | 5 | 58 |

**Master Tabel Hasil Jawaban *Posttest* Kuesioner Sikap**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P9 | P10 | P11 | P12 | P13 | P14 | P15 | Total |
| 1 | 5 | 3 | 3 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 5 | 5 | 4 | 3 | 5 | 59 |
| 2 | 4 | 3 | 3 | 4 | 3 | 4 | 4 | 4 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 54 |
| 3 | 5 | 3 | 4 | 5 | 2 | 5 | 5 | 1 | 3 | 3 | 5 | 5 | 5 | 1 | 5 | 57 |
| 4 | 4 | 3 | 5 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 63 |
| 5 | 5 | 4 | 5 | 4 | 5 | 5 | 5 | 3 | 2 | 3 | 5 | 5 | 4 | 4 | 5 | 64 |
| 6 | 4 | 4 | 3 | 5 | 5 | 5 | 5 | 5 | 3 | 5 | 5 | 5 | 4 | 5 | 5 | 68 |
| 7 | 5 | 3 | 4 | 5 | 4 | 4 | 5 | 4 | 4 | 3 | 5 | 5 | 4 | 4 | 4 | 63 |
| 8 | 5 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 60 |
| 9 | 5 | 5 | 4 | 5 | 5 | 5 | 4 | 5 | 4 | 3 | 4 | 4 | 4 | 4 | 5 | 66 |
| 10 | 5 | 4 | 5 | 5 | 5 | 5 | 4 | 3 | 3 | 3 | 5 | 5 | 4 | 3 | 5 | 64 |
| 11 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 58 |
| 12 | 5 | 3 | 5 | 5 | 5 | 5 | 5 | 5 | 3 | 5 | 5 | 5 | 5 | 5 | 5 | 71 |
| 13 | 5 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 2 | 2 | 4 | 4 | 4 | 4 | 4 | 58 |
| 14 | 4 | 4 | 5 | 5 | 5 | 4 | 5 | 4 | 2 | 4 | 4 | 4 | 4 | 5 | 5 | 64 |
| 15 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 74 |
| 16 | 5 | 2 | 1 | 5 | 4 | 5 | 5 | 1 | 2 | 2 | 5 | 5 | 5 | 4 | 5 | 56 |
| 17 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 1 | 5 | 67 |
| 18 | 5 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 3 | 5 | 5 | 4 | 4 | 5 | 69 |
| 19 | 4 | 5 | 4 | 4 | 4 | 4 | 5 | 3 | 3 | 3 | 4 | 5 | 4 | 4 | 5 | 61 |
| 20 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 3 | 3 | 5 | 5 | 4 | 5 | 5 | 68 |
| 21 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 75 |
| 22 | 5 | 5 | 1 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 71 |
| 23 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 5 | 5 | 5 | 4 | 5 | 71 |
| 24 | 4 | 3 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 63 |
| 25 | 4 | 4 | 2 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 58 |
| 26 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 3 | 4 | 4 | 5 | 5 | 5 | 4 | 5 | 70 |
| 27 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 4 | 5 | 5 | 70 |
| 28 | 5 | 3 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 4 | 4 | 5 | 65 |
| 29 | 5 | 4 | 5 | 5 | 5 | 5 | 5 | 4 | 1 | 4 | 5 | 5 | 5 | 4 | 5 | 67 |
| 30 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 3 | 3 | 4 | 5 | 5 | 4 | 5 | 5 | 68 |
| 31 | 4 | 4 | 4 | 5 | 5 | 4 | 5 | 4 | 3 | 4 | 4 | 5 | 4 | 2 | 1 | 58 |
| 32 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 75 |
| 33 | 5 | 4 | 4 | 5 | 5 | 5 | 4 | 2 | 4 | 4 | 5 | 5 | 4 | 4 | 4 | 64 |
| 34 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 75 |
| 35 | 5 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 3 | 4 | 5 | 5 | 5 | 5 | 5 | 71 |
| 36 | 5 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 2 | 4 | 4 | 4 | 4 | 4 | 5 | 61 |
| 37 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 3 | 5 | 5 | 5 | 5 | 4 | 3 | 4 | 68 |
| 38 | 5 | 5 | 4 | 5 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 5 | 66 |
| 39 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 4 | 5 | 4 | 69 |
| 40 | 4 | 5 | 4 | 5 | 4 | 3 | 4 | 4 | 2 | 3 | 5 | 4 | 4 | 4 | 5 | 60 |
| 41 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 72 |
| 42 | 4 | 5 | 4 | 5 | 5 | 4 | 5 | 4 | 4 | 4 | 4 | 5 | 5 | 4 | 4 | 66 |
| 43 | 4 | 4 | 3 | 5 | 5 | 4 | 5 | 3 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 62 |
| 44 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 74 |
| 45 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 3 | 3 | 4 | 5 | 5 | 4 | 3 | 5 | 61 |
| 46 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 75 |
| 47 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 75 |
| 48 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 75 |
| 49 | 5 | 5 | 4 | 5 | 4 | 4 | 5 | 5 | 5 | 5 | 4 | 5 | 4 | 5 | 5 | 70 |
| 50 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 3 | 5 | 5 | 5 | 5 | 4 | 3 | 4 | 68 |
| 51 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 4 | 3 | 4 | 5 | 5 | 5 | 5 | 5 | 70 |
| 52 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 5 | 5 | 5 | 4 | 5 | 72 |
| 53 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 4 | 5 | 73 |

**Analisis Univariat Karakteristik Responden**

 **kelompokusia**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|   | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | 1 | 6 | 11.3 | 11.3 | 11.3 |
| 2 | 47 | 88.7 | 88.7 | 100.0 |
| Total | 53 | 100.0 | 100.0 |   |

 **Pendidikan ortu**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|   | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | Non-Perguruan tinggi | 14 | 26.4 | 26.4 | 26.4 |
| Perguruan Tinggi | 39 | 73.6 | 73.6 | 100.0 |
| Total | 53 | 100.0 | 100.0 |   |

 **Pekerjaan ortu**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|   | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | Tenaga Kesehatan | 3 | 5.7 | 5.7 | 5.7 |
| Non Tenaga Kesehatan | 50 | 94.3 | 94.3 | 100.0 |
| Total | 53 | 100.0 | 100.0 |   |

 **Paparan informasi sebelum**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|   | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | Pernah | 11 | 20.8 | 20.8 | 20.8 |
| Tidak pernah | 42 | 79.2 | 79.2 | 100.0 |
| Total | 53 | 100.0 | 100.0 |   |

**Analisis Data Pengetahuan**

**Median, Minimum, Maximum Data Pengetahuan**

 **Statistics**

|  |  |  |
| --- | --- | --- |
|   | Nilai Pretest | Nilai Posttest |
| N | Valid | 53 | 53 |
| Missing | 0 | 0 |
| Median | 67.00 | 93.00 |
| Minimum | 47 | 67 |
| Maximum | 87 | 100 |

**Hasil Uji Normalitas Data Pengetahuan**

 **Tests of Normality**

|  |  |  |
| --- | --- | --- |
|   | Kolmogorov-Smirnov(a) | Shapiro-Wilk |
| Statistic | df | Sig. | Statistic | Df | Sig. |
| Nilai Pretest | .133 | 53 | .020 | .946 | 53 | .018 |
| Nilai Posttest | .219 | 53 | .000 | .875 | 53 | .000 |

a Lilliefors Significance Correction

**Hasil Analisis Data Pengetahuan**

 **Test Statistics(b)**

|  |  |
| --- | --- |
|   | Nilai Posttest - Nilai Pretest |
| Z | -6.359(a) |
| Asymp. Sig. (2-tailed) | .000 |

a Based on negative ranks.

b Wilcoxon Signed Ranks Test

***Effect Size* Pengetahuan**

**Kategori Tingkatan Efektivitas**

|  |  |
| --- | --- |
| **Nilai koefisien r** | **Kategori** |
| 0,1 ≥ r ˂ 0,3 | Efek kecil |
| 0,3 ≥ r ˂ 0,5 | Efek sedang |
| r ≥ 0,5 | Efek besar |

Sumber : Andy Field. *Discovering Statistics Using IBM SPSS Statistics 4th Edition*. Canada : SAGE publication ;2013

Untuk menghitung *effect size*, digunakan rumus *Pearson’s correlation coefficient* *r*. Variabel pengetahuan menggunakan uji *Wilcoxon* sehingga rumus perhitunggan *effect size* yang digunakan sebagai berikut :

r = $\frac{z}{\sqrt{N}}$

Keterangan :

r = *effect Size*

Z = *z-score*

N = jumlah keseluruhan responden

r = $\frac{6.359}{\sqrt{53}}=0.87 (Efek besar)$

**Analisis Data Sikap**

**Mean, SD Data Sikap**

 **Statistics**

|  |  |  |
| --- | --- | --- |
|   | Nilai Pretest | Nilai Posttest |
| N | Valid | 53 | 53 |
| Missing | 0 | 0 |
| Mean | 61.64 | 66.45 |
| Std. Deviation | 4.377 | 5.826 |

**Hasil Uji Normalitas Data Sikap**

 **Tests of Normality**

|  |  |  |
| --- | --- | --- |
|   | Kolmogorov-Smirnov(a) | Shapiro-Wilk |
| Statistic | df | Sig. | Statistic | Df | Sig. |
| Nilai Pretest | .112 | 53 | .092 | .982 | 53 | .605 |
| Nilai Posttest | .095 | 53 | .200(\*) | .957 | 53 | .055 |

\* This is a lower bound of the true significance.

a Lilliefors Significance Correction

**Hasil Analisis Data Sikap**

****

***Effect Size* Data Sikap**

**Kategori Tingkatan Efektivitas**

|  |  |
| --- | --- |
| **Nilai koefisien r** | **Kategori** |
| 0,1 ≥ r ˂ 0,3 | Efek kecil |
| 0,3 ≥ r ˂ 0,5 | Efek sedang |
| r ≥ 0,5 | Efek besar |

Sumber : Andy Field. *Discovering Statistics Using IBM SPSS Statistics 4th Edition*. Canada : SAGE publication ;2013

Untuk menghitung *effect size*, digunakan rumus *Pearson’s correlation coefficient* *r*. Variabel sikap menggunakan uji statistik *Paired sampel t test*, sehingga rumus perhitungan *effect size* yang digunakan adalah sebagai berikut:

r = $\frac{\sqrt{t^{2}}}{\sqrt{t^{2}+df}}$

 Keterangan :

r = *effect Size*

t = *t value*

df = *degree of freedom*

r = $\frac{\sqrt{7.9^{2}}}{\sqrt{7.9^{2}+52}}=0.74 (Efek besar)$