

Lampiran 11
 Hasil Uji Validitas dan Reabilitas Soal Prestasi

UJI VALIDITAS KORELASI POINT BISERIAL

Rumus:

$$r_{p\text{ bis}} = \frac{M_p - M_T}{S_T} \sqrt{p/q}$$

| Soal | M _p | M _T | M _p - M _T | S _T | p | q | √ p/q | P. Biserial | Status | |
|----------------------|----------------|----------------|---------------------------------|----------------------|-------|-------|-------|-------------|--------|--|
| 1 | 29,048 | 27,500 | 1,548 | 5,35 | 0,750 | 0,250 | 1,732 | 0,501 | valid | |
| 2 | 27,667 | 27,500 | 0,167 | 5,35 | 0,857 | 0,143 | 2,449 | 0,076 | gugur | |
| 3 | 27,682 | 27,500 | 0,182 | 5,35 | 0,786 | 0,214 | 1,915 | 0,065 | gugur | |
| 4 | 29,500 | 27,500 | 2,000 | 5,35 | 0,643 | 0,357 | 1,342 | 0,501 | Valid | |
| 5 | 28,500 | 27,500 | 1,000 | 5,35 | 0,714 | 0,286 | 1,581 | 0,296 | Valid | |
| 6 | 27,810 | 27,500 | 0,310 | 5,35 | 0,750 | 0,250 | 1,732 | 0,100 | Gugur | |
| 7 | 24,400 | 27,500 | -3,100 | 5,35 | 0,179 | 0,821 | 0,466 | -0,270 | Gugur | |
| 8 | 29,071 | 27,500 | 1,571 | 5,35 | 0,500 | 0,500 | 1,000 | 0,294 | Valid | |
| 9 | 24,500 | 27,500 | -3,000 | 5,35 | 0,143 | 0,857 | 0,408 | -0,229 | Gugur | |
| 10 | 28,600 | 27,500 | 1,100 | 5,35 | 0,536 | 0,464 | 1,074 | 0,221 | Gugur | |
| 11 | 27,167 | 27,500 | -0,333 | 5,35 | 0,214 | 0,786 | 0,522 | -0,033 | Gugur | |
| 12 | 28,944 | 27,500 | 1,444 | 5,35 | 0,643 | 0,357 | 1,342 | 0,362 | Valid | |
| 13 | 28,292 | 27,500 | 0,792 | 5,35 | 0,857 | 0,143 | 2,449 | 0,362 | Valid | |
| 14 | 31,889 | 27,500 | 4,389 | 5,35 | 0,321 | 0,679 | 0,688 | 0,565 | Valid | |
| 15 | 29,667 | 27,500 | 2,167 | 5,35 | 0,750 | 0,250 | 1,732 | 0,701 | Valid | |
| 16 | 27,389 | 27,500 | -0,111 | 5,35 | 0,643 | 0,357 | 1,342 | -0,028 | Gugur | |
| 17 | 28,462 | 27,500 | 0,962 | 5,35 | 0,464 | 0,536 | 0,931 | 0,167 | Gugur | |
| 18 | 30,286 | 27,500 | 2,786 | 5,35 | 0,250 | 0,750 | 0,577 | 0,301 | Valid | |
| 19 | 31,375 | 27,500 | 3,875 | 5,35 | 0,286 | 0,714 | 0,632 | 0,458 | Valid | |
| 20 | 28,600 | 27,500 | 1,100 | 5,35 | 0,179 | 0,821 | 0,466 | 0,096 | Gugur | |
| 21 | 30,231 | 27,500 | 2,731 | 5,35 | 0,464 | 0,536 | 0,931 | 0,475 | Valid | |
| 22 | 27,808 | 27,500 | 0,308 | 5,35 | 0,929 | 0,071 | 3,606 | 0,207 | Gugur | |
| 23 | 27,111 | 27,500 | -0,389 | 5,35 | 0,321 | 0,679 | 0,688 | -0,050 | Gugur | |
| 24 | 29,500 | 27,500 | 2,000 | 5,35 | 0,429 | 0,571 | 0,866 | 0,324 | Valid | |
| 25 | 26,200 | 27,500 | -1,300 | 5,35 | 0,357 | 0,643 | 0,745 | -0,181 | Gugur | |
| 26 | 26,700 | 27,500 | -0,800 | 5,35 | 0,714 | 0,286 | 1,581 | -0,236 | Gugur | |
| 27 | 25,545 | 27,500 | -1,955 | 5,35 | 0,393 | 0,607 | 0,804 | -0,294 | Gugur | |
| 28 | 29,455 | 27,500 | 1,955 | 5,35 | 0,393 | 0,607 | 0,804 | 0,294 | Valid | |
| 29 | 26,750 | 27,500 | -0,750 | 5,35 | 0,429 | 0,571 | 0,866 | -0,121 | Gugur | |
| 30 | 26,760 | 27,500 | -0,740 | 5,35 | 0,893 | 0,107 | 2,887 | -0,399 | Gugur | |
| 31 | 29,176 | 27,500 | 1,676 | 5,35 | 0,607 | 0,393 | 1,243 | 0,390 | Valid | |
| 32 | 29,261 | 27,500 | 1,761 | 5,35 | 0,821 | 0,179 | 2,145 | 0,706 | Valid | |
| 33 | 29,529 | 27,500 | 2,029 | 5,35 | 0,607 | 0,393 | 1,243 | 0,472 | Valid | |
| 34 | 26,400 | 27,500 | -1,100 | 5,35 | 0,357 | 0,643 | 0,745 | -0,153 | Gugur | |
| 35 | 30,071 | 27,500 | 2,571 | 5,35 | 0,500 | 0,500 | 1,000 | 0,481 | Valid | |
| 36 | 30,154 | 27,500 | 2,654 | 5,35 | 0,464 | 0,536 | 0,931 | 0,462 | valid | |
| 37 | 29,476 | 27,500 | 1,976 | 5,35 | 0,750 | 0,250 | 1,732 | 0,640 | valid | |
| 38 | 28,792 | 27,500 | 1,292 | 5,35 | 0,857 | 0,143 | 2,449 | 0,591 | valid | |
| 39 | 20,000 | 27,500 | -7,500 | 5,35 | 0,107 | 0,893 | 0,346 | -0,486 | gugur | |
| 40 | 24,800 | 27,500 | -2,700 | 5,35 | 0,179 | 0,821 | 0,466 | -0,235 | gugur | |
| 41 | 26,273 | 27,500 | -1,227 | 5,35 | 0,393 | 0,607 | 0,804 | -0,185 | gugur | |
| 42 | 27,577 | 27,500 | 0,077 | 5,35 | 0,929 | 0,071 | 3,606 | 0,052 | gugur | |
| 43 | 29,647 | 27,500 | 2,147 | 5,35 | 0,607 | 0,393 | 1,243 | 0,499 | valid | |
| 44 | 30,545 | 27,500 | 3,045 | 5,35 | 0,393 | 0,607 | 0,804 | 0,458 | valid | |
| 45 | 28,682 | 27,500 | 1,182 | 5,35 | 0,786 | 0,214 | 1,915 | 0,423 | valid | |
| 46 | 30,929 | 27,500 | 3,429 | 5,35 | 0,500 | 0,500 | 1,000 | 0,641 | valid | |
| 47 | 28,154 | 27,500 | 0,654 | 5,35 | 0,929 | 0,071 | 3,606 | 0,441 | valid | |
| 48 | 29,688 | 27,500 | 2,188 | 5,35 | 0,571 | 0,429 | 1,155 | 0,472 | valid | |
| 49 | 19,000 | 27,500 | -8,500 | 5,35 | 0,036 | 0,964 | 0,192 | -0,306 | gugur | |
| 50 | 30,500 | 27,500 | 3,000 | 5,35 | 0,071 | 0,929 | 0,277 | 0,156 | gugur | |
| 51 | 29,632 | 27,500 | 2,132 | 5,35 | 0,679 | 0,321 | 1,453 | 0,579 | valid | |
| 52 | 29,688 | 27,500 | 2,188 | 5,35 | 0,571 | 0,429 | 1,155 | 0,472 | valid | |
| Reliabilitas KR-20 = | | | 0,913 | JUMLAH BUTIR VALID = | | | | 28 | | |

Lampiran 11

Hasil Uji Validitas dan Reabilitas Soal Prestasi

Keterangan:

- $r_{p\ bis}$: korelasi point biserial
- M_p : Rerata skor subjek yang menjawab benar
- M_T : Rerata skor total
- S_T : Simpangan baku skor total
- p : Proporsi siswa yang menjawab benar
- q : $1 - p$