**LAMPIRAN 2**

**Tabel 2.** Hasil perhitungan Uji validitas butir soal TIK

|  |  |  |  |
| --- | --- | --- | --- |
| No soal | RHITUNG | RTABEL | KETERANGAN |
| 1 | 0,605 | 0,320 | VALID |
| 2 | 0,605 | 0,320 | VALID |
| 3 | 0,605 | 0,320 | VALID |
| 4 | 0,426 | 0,320 | VALID |
| 5 | 0,623 | 0,320 | VALID |
| 6 | 0,605 | 0,320 | VALID |
| 7 | 0,605 | 0,320 | VALID |
| 8 | -0,103 | 0,320 | TIDAK VALID |
| 9 | 0,228 | 0,320 | TIDAK VALID |
| 10 | 0,605 | 0,320 | VALID |
| 11 | 0,588 | 0,320 | VALID |
| 12 | 0,334 | 0,320 | VALID |
| 13 | 0,391 | 0,320 | VALID |
| 14 | 0,612 | 0,320 | VALID |
| 15 | 0,479 | 0,320 | VALID |
| 16 | 0,124 | 0,320 | TIDAK VALID |
| 17 | 0,391 | 0,320 | VALID |
| 18 | 0,146 | 0,320 | TIDAK VALID |
| 19 | 0,464 | 0,320 | VALID |
| 20 | 0,496 | 0,320 | VALID |
| 21 | 0,426 | 0,320 | VALID |
| 22 | 0,588 | 0,320 | VALID |
| 23 | 0,464 | 0,320 | VALID |
| 24 | 0,340 | 0,320 | VALID |
| 25 | 0,612 | 0,320 | VALID |
| 26 | 0,358 | 0,320 | VALID |
| 27 | 0,107 | 0,320 | TIDAK VALID |
| 28 | 0,464 | 0,320 | VALID |
| 29 | 0,464 | 0,320 | VALID |
| 30 | 0,588 | 0,320 | VALID |
| 31 | 0,588 | 0,320 | VALID |
| 32 | 0,391 | 0,320 | VALID |
| 33 | 0,464 | 0,320 | VALID |
| 34 | 0,496 | 0,320 | VALID |
| 35 | 0,464 | 0,320 | VALID |

Dari hasil uji coba intrumen penelitian diperoleh kesimpulan bahwa dari 35 item alat ukur tersebut, yang dinyatakan *valid* sebanyak 30 item butir soal, sedangkan yang dinyatakan *tidak valid*  sebanyak 5 item butir soal yaitu item butir soal pada No: 8,9,16,18; dan 27. Dengan demikian item tersebut dibuang atau dihilangkan.

**Tabel .3** Analisis uji reabilitas Butir Soal Tes Hasil Belajar TIK

|  |
| --- |
| **No** |
|  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **10** |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 3 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 |
| 4 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 |
| 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 6 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 8 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 9 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 10 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 11 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 12 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 13 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 14 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 15 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 |
| 16 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 17 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 |
| 18 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 20 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 |
| 21 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 |
| 22 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 |
| 23 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 24 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 |
| 25 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 26 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 |
| 27 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 28 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 29 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 30 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 31 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 32 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 33 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 34 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 35 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 36 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 37 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 38 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 |
| **N** | **27** | **27** | **27** | **34** | **33** | **27** | **27** | **27** |
| **Rhit** | **0,606** | **0,606** | **0,606** | **0,426** | **0,623** | **0,606** | **0,606** | **0,606** |
| **Rtabel** | **0,320** | **0,320** | **0,320** | **0,320** | **0,320** | **0,320** | **0,320** | **0,320** |
| **Keterangan** | valid | valid | valid | valid | valid | valid | valid | Valid |

**Sambungan**

|  |
| --- |
| **No** |
|  | **11** | **12** | **13** | **14** | **15** | **17** | **19** | **20** |
| 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 |
| 3 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 0 |
| 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 |
| 5 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| 6 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 |
| 7 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 8 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 9 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 |
| 10 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 11 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 12 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 13 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 14 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 15 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 |
| 16 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 17 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 18 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 19 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 |
| 20 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1 |
| 21 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 1 |
| 22 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1 |
| 23 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 24 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 |
| 25 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 26 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 27 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 28 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 |
| 29 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 30 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 31 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 |
| 32 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 33 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 34 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 35 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 36 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 37 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 |
| 38 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 0 |
| **N** | **21** | **32** | **35** | **26** | **29** | **35** | **33** | **31** |
| **Rhit** | **0,588** | **0,334** | **0,392** | **0,613** | **0,480** | **0,392** | **0,464** | **0,497** |
| **Rtabel** | **0,320** | **0,320** | **0,320** | **0,320** | **0,320** | **0,320** | **0,320** | **0,320** |
| **ri** | **0,927** | **0,927** | **0,927** | **0,927** | **0,927** | **0,927** | **0,927** | **0,927** |
| **Keterangan** | Valid | valid | valid | valid | valid | valid | valid | valid |

**Sambungan**

|  |
| --- |
| **No** |
|  | **21** | **22** | **23** | **24** | **25** | **26** | **28** | **29** | **30** |
| 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 |
| 2 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 |
| 3 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 0 |
| 4 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 |
| 5 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 |
| 6 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 |
| 7 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 |
| 8 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 |
| 9 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 10 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 11 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 12 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 13 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 14 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 15 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 |
| 16 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 17 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 0 |
| 18 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 19 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 20 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 |
| 21 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 0 |
| 22 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 0 |
| 23 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 |
| 24 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 |
| 25 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 26 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 0 |
| 27 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 28 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 |
| 29 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 |
| 30 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 |
| 31 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 32 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 33 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 34 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 |
| 35 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 |
| 36 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 |
| 37 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 |
| 38 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 0 |
| **N** | **34** | **21** | **33** | **31** | **26** | **33** | **35** | **35** | **21** |
| **Rhit** | **0,426** | **0,588** | **0,464** | **0,340** | **0,613** | **0,358** | **0,465** | **0,446** | **0,588** |
| **Rtabel** | **0,320** | **0,320** | **0,320** | **0,320** | **0,320** | **0,320** | **0,320** | **0,320** | **0,320** |
| **ri** | **0,927** | **0,927** | **0,927** | **0,927** | **0,927** | **0,927** | **0,927** | **0,927** | **0,927** |
| **Keterangan** | **VALID** | **VALID** | **VALID** | **VALID** | **VALID** | **VALID** | **VALID** | **VALID** | **VALID** |

**Sambungan**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **No** | **ANALISIS BUTIR SOAL** | | | | | |
|  | **31** | **32** | **33** | **34** | **35** | **Jumlah** |
| 1 | 0 | 1 | 1 | 1 | 1 | 29 |
| 2 | 0 | 1 | 0 | 1 | 0 | 35 |
| 3 | 0 | 1 | 1 | 0 | 1 | 20 |
| 4 | 1 | 1 | 1 | 0 | 1 | 25 |
| 5 | 1 | 1 | 1 | 1 | 1 | 31 |
| 6 | 1 | 1 | 1 | 1 | 1 | 31 |
| 7 | 0 | 1 | 1 | 1 | 1 | 30 |
| 8 | 0 | 1 | 1 | 1 | 1 | 29 |
| 9 | 1 | 1 | 1 | 1 | 1 | 32 |
| 10 | 1 | 1 | 1 | 1 | 1 | 33 |
| 11 | 1 | 1 | 1 | 1 | 1 | 32 |
| 12 | 1 | 1 | 1 | 1 | 1 | 33 |
| 13 | 1 | 1 | 1 | 1 | 1 | 33 |
| 14 | 1 | 1 | 1 | 1 | 1 | 33 |
| 15 | 1 | 1 | 1 | 0 | 1 | 24 |
| 16 | 1 | 1 | 1 | 1 | 1 | 33 |
| 17 | 0 | 0 | 1 | 1 | 1 | 17 |
| 18 | 1 | 1 | 1 | 1 | 1 | 33 |
| 19 | 0 | 1 | 0 | 0 | 0 | 9 |
| 20 | 0 | 1 | 1 | 1 | 1 | 22 |
| 21 | 0 | 1 | 0 | 1 | 0 | 21 |
| 22 | 0 | 1 | 1 | 1 | 1 | 22 |
| 23 | 0 | 1 | 1 | 1 | 1 | 30 |
| 24 | 1 | 1 | 1 | 0 | 1 | 24 |
| 25 | 1 | 1 | 1 | 1 | 1 | 33 |
| 26 | 0 | 0 | 1 | 1 | 1 | 17 |
| 27 | 1 | 1 | 1 | 1 | 1 | 33 |
| 28 | 1 | 1 | 1 | 1 | 1 | 31 |
| 29 | 0 | 1 | 1 | 1 | 1 | 30 |
| 30 | 0 | 1 | 1 | 1 | 1 | 29 |
| 31 | 1 | 1 | 1 | 1 | 1 | 32 |
| 32 | 1 | 1 | 1 | 1 | 1 | 33 |
| 33 | 1 | 1 | 1 | 1 | 1 | 32 |
| 34 | 1 | 1 | 1 | 1 | 1 | 32 |
| 35 | 1 | 1 | 1 | 1 | 1 | 32 |
| 36 | 0 | 1 | 1 | 1 | 1 | 29 |
| 37 | 0 | 1 | 0 | 1 | 0 | 11 |
| 38 | 0 | 1 | 1 | 0 | 1 | 20 |
| **N** | **21** | **35** | **33** | **31** | 33 | **1055** |
| **Rhit** | **0,588** | **0,392** | **0,464** | **0,497** | **0,464** |
| **Rtabel** | **0,320** | **0,320** | **0,320** | **0,320** | **0,320** |
| **Ri** | **0,927** | **0,927** | **0,927** | **0,927** | **0,927** |
| **Keterangan** | reliabel | reliabel | reliabel | reliabel | reliabel |

k = 30 k/k-1 = 1,0344

k-1 = 29 m(k-m) = 129,68

m = 24,763 k\*St = 1259,082504

k-m = 5,2368 m(k-m)/k\*St = 0,10299

= 41,9694 1-m(k-m)/k\*St = 0,897

*ri* = )

*ri* = )

*ri* = )

*ri* =