|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Responden** | **Nomor Butir Pernyataan Angket Motivasi Belajar siswa** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **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** | **Total** |
| **1** | 3 | 3 | 2 | 3 | 3 | 4 | 3 | 4 | 3 | 4 | 2 | 4 | 4 | 2 | 2 | 4 | 2 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 3 | 4 | **85** |
| **2** | 4 | 5 | 5 | 4 | 4 | 5 | 4 | 5 | 5 | 5 | 4 | 5 | 5 | 3 | 4 | 5 | 5 | 5 | 4 | 3 | 3 | 5 | 4 | 5 | 3 | 5 | **114** |
| **3** | 4 | 5 | 5 | 4 | 4 | 5 | 4 | 5 | 5 | 5 | 3 | 5 | 5 | 3 | 4 | 5 | 5 | 5 | 4 | 3 | 3 | 5 | 4 | 5 | 3 | 5 | **113** |
| **4** | 3 | 4 | 4 | 3 | 3 | 5 | 4 | 4 | 4 | 5 | 1 | 4 | 4 | 4 | 4 | 5 | 4 | 5 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 5 | **104** |
| **5** | 4 | 4 | 4 | 4 | 3 | 5 | 4 | 3 | 4 | 5 | 1 | 5 | 5 | 3 | 3 | 4 | 5 | 5 | 5 | 3 | 3 | 5 | 4 | 5 | 3 | 5 | **104** |
| **6** | 4 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 3 | 2 | 4 | 4 | 2 | 4 | 4 | 4 | 5 | 2 | 4 | 5 | 5 | 3 | 2 | 4 | 5 | **96** |
| **7** | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | **101** |
| **8** | 3 | 4 | 5 | 3 | 3 | 5 | 5 | 3 | 4 | 4 | 2 | 4 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 3 | 4 | 3 | 5 | **101** |
| **9** | 3 | 4 | 2 | 3 | 3 | 5 | 3 | 4 | 5 | 3 | 2 | 5 | 4 | 3 | 4 | 5 | 2 | 4 | 3 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | **101** |
| **10** | 3 | 3 | 2 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 1 | 4 | 3 | 3 | 4 | 5 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 4 | 3 | 3 | **82** |
| **11** | 4 | 3 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | **95** |
| **12** | 3 | 3 | 3 | 3 | 2 | 5 | 3 | 2 | 4 | 4 | 1 | 4 | 4 | 3 | 3 | 5 | 4 | 4 | 4 | 3 | 2 | 4 | 4 | 4 | 3 | 5 | **89** |
| **13** | 3 | 2 | 4 | 4 | 3 | 5 | 4 | 3 | 4 | 2 | 1 | 5 | 5 | 2 | 1 | 5 | 4 | 5 | 2 | 4 | 5 | 4 | 4 | 5 | 3 | 5 | **94** |
| **14** | 3 | 4 | 3 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 2 | 3 | 5 | 3 | 3 | 3 | 2 | 4 | 4 | 3 | 4 | 4 | 2 | 4 | 4 | 5 | **91** |
| **15** | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 4 | 4 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 4 | 3 | 4 | **89** |
| **16** | 2 | 2 | 2 | 3 | 3 | 5 | 1 | 4 | 4 | 4 | 1 | 5 | 3 | 1 | 1 | 5 | 2 | 5 | 5 | 1 | 3 | 4 | 1 | 1 | 1 | 5 | **74** |
| **17** | 3 | 3 | 4 | 5 | 3 | 5 | 4 | 3 | 4 | 5 | 3 | 4 | 4 | 3 | 3 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 3 | 4 | **101** |
| **18** | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | **95** |
| **19** | 3 | 3 | 4 | 5 | 3 | 4 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 3 | 3 | 5 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 2 | 3 | **89** |
| **20** | 3 | 3 | 4 | 3 | 3 | 5 | 4 | 4 | 4 | 2 | 1 | 5 | 3 | 3 | 4 | 4 | 5 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 5 | **93** |
| **21** | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 4 | 5 | 2 | 4 | 5 | 2 | 3 | 4 | 3 | 5 | 3 | 3 | 3 | 4 | 4 | 5 | 3 | 5 | **97** |
| **22** | 4 | 3 | 4 | 3 | 3 | 5 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 3 | **95** |
| **23** | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 3 | 4 | 4 | 4 | **93** |
| **24** | 3 | 3 | 3 | 3 | 3 | 5 | 4 | 4 | 3 | 3 | 3 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | **92** |
| **25** | 3 | 2 | 3 | 3 | 3 | 5 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | **79** |
| **26** | 2 | 2 | 2 | 2 | 2 | 4 | 3 | 3 | 2 | 2 | 3 | 4 | 3 | 3 | 3 | 4 | 3 | 4 | 1 | 2 | 1 | 3 | 2 | 4 | 3 | 4 | **71** |
| **27** | 4 | 4 | 4 | 2 | 3 | 5 | 4 | 4 | 5 | 4 | 1 | 5 | 5 | 3 | 3 | 4 | 5 | 5 | 1 | 5 | 5 | 5 | 3 | 5 | 4 | 5 | **103** |
| **28** | 4 | 3 | 4 | 3 | 3 | 5 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 5 | **107** |
| **Total** | **92** | **94** | **97** | **96** | **86** | **129** | **102** | **102** | **109** | **105** | **66** | **117** | **114** | **85** | **92** | **120** | **102** | **116** | **98** | **93** | **95** | **114** | **96** | **115** | **90** | **123** |  |

**Uji Validitas** **Pernyataan Angket Motivasi Belajar siswa**

|  |  |  |  |
| --- | --- | --- | --- |
| **Pernyataan** | **r hitung** | **r tabel** | **Keterangan** |
| 1 | 0,726 | 0,388 | Valid |
| 2 | 0,778 | 0,388 | Valid |
| 3 | 0,756 | 0,388 | Valid |
| 4 | 0,334 | 0,388 | Tidak Valid |
| 5 | 0,584 | 0,388 | Valid |
| 6 | 0,413 | 0,388 | Valid |
| 7 | 0,665 | 0,388 | Valid |
| 8 | 0,440 | 0,388 | Valid |
| 9 | 0,741 | 0,388 | Valid |
| 10 | 0,537 | 0,388 | Valid |
| 11 | 0,210 | 0,388 | Tidak Valid |
| 12 | 0,424 | 0,388 | Valid |
| 13 | 0,670 | 0,388 | Valid |
| 14 | 0,434 | 0,388 | Valid |
| 15 | 0,465 | 0,388 | Valid |
| 16 | 0,252 | 0,388 | Tidak Valid |
| 17 | 0,591 | 0,388 | Valid |
| 18 | 0,410 | 0,388 | Valid |
| 19 | 0,216 | 0,388 | Tidak Valid |
| 20 | 0,566 | 0,388 | Valid |
| 21 | 0,421 | 0,388 | Valid |
| 22 | 0,665 | 0,388 | Valid |
| 23 | 0,648 | 0,388 | Valid |
| 24 | 0,615 | 0,388 | Valid |
| 25 | 0,420 | 0,388 | Valid |
| 26 | 0,465 | 0,388 | Valid |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Responden** | **Nomor Butir Angket Persepsi Siswa Tentang Praktikum IPA** | | | | | | | | | | | | | | | | | | | | | | | | | | **Total** |
| **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** |
| **1** | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | **99** |
| **2** | 4 | 4 | 5 | 5 | 4 | 4 | 3 | 4 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 5 | 5 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | **115** |
| **3** | 4 | 4 | 5 | 5 | 4 | 3 | 3 | 4 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | **113** |
| **4** | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 3 | 4 | 5 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 5 | 5 | **111** |
| **5** | 3 | 4 | 5 | 4 | 3 | 4 | 2 | 4 | 5 | 5 | 4 | 4 | 3 | 5 | 4 | 5 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 3 | 5 | **105** |
| **6** | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | **99** |
| **7** | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | **105** |
| **8** | 4 | 4 | 5 | 5 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 3 | 5 | 5 | 4 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 4 | 5 | 5 | **120** |
| **9** | 4 | 4 | 4 | 2 | 4 | 3 | 3 | 4 | 5 | 5 | 4 | 5 | 2 | 5 | 5 | 5 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 5 | **106** |
| **10** | 3 | 3 | 4 | 4 | 3 | 2 | 3 | 3 | 5 | 5 | 4 | 5 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | **97** |
| **11** | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 4 | 5 | 5 | 4 | 5 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | **104** |
| **12** | 3 | 2 | 2 | 4 | 3 | 4 | 4 | 4 | 5 | 4 | 4 | 5 | 3 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 4 | 3 | 5 | **104** |
| **13** | 2 | 4 | 5 | 4 | 3 | 1 | 1 | 2 | 4 | 4 | 3 | 3 | 2 | 2 | 3 | 4 | 3 | 5 | 2 | 4 | 3 | 3 | 2 | 5 | 2 | 5 | **81** |
| **14** | 3 | 4 | 4 | 4 | 5 | 4 | 3 | 4 | 5 | 5 | 4 | 5 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 5 | 4 | 4 | 5 | **110** |
| **15** | 3 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 5 | 3 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 3 | 4 | **87** |
| **16** | 3 | 3 | 5 | 5 | 4 | 4 | 4 | 2 | 4 | 4 | 5 | 5 | 4 | 5 | 5 | 5 | 4 | 5 | 4 | 5 | 4 | 4 | 5 | 5 | 5 | 5 | **113** |
| **17** | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | **103** |
| **18** | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | **102** |
| **19** | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | **101** |
| **20** | 3 | 4 | 4 | 4 | 3 | 3 | 2 | 2 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 2 | 3 | 3 | **93** |
| **21** | 3 | 3 | 4 | 5 | 4 | 3 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | **118** |
| **22** | 3 | 2 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | **101** |
| **23** | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | **112** |
| **24** | 1 | 3 | 2 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | **93** |
| **25** | 3 | 3 | 3 | 3 | 4 | 4 | 3 | 3 | 4 | 4 | 3 | 5 | 4 | 5 | 3 | 3 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | **96** |
| **26** | 2 | 2 | 3 | 1 | 3 | 3 | 2 | 1 | 3 | 3 | 3 | 3 | 2 | 4 | 3 | 3 | 2 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | **76** |
| **27** | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | **124** |
| **28** | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 3 | 4 | 5 | 4 | 4 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 4 | **102** |
| **Total** | **94** | **99** | **108** | **110** | **104** | **98** | **95** | **101** | **123** | **124** | **115** | **124** | **102** | **115** | **114** | **115** | **105** | **115** | **114** | **118** | **117** | **115** | **116** | **115** | **109** | **125** |  |

**Uji Validitas** **Pernyataan Angket Persepsi Siswa Tentang Praktikum IPA**

|  |  |  |  |
| --- | --- | --- | --- |
| **Pernyataan** | **r hitung** | **r tabel** | **Keterangan** |
| 1 | 0,575 | 0,388 | Valid |
| 2 | 0,468 | 0,388 | Valid |
| 3 | 0,467 | 0,388 | Valid |
| 4 | 0,710 | 0,388 | Valid |
| 5 | 0,600 | 0,388 | Valid |
| 6 | 0,534 | 0,388 | Valid |
| 7 | 0,566 | 0,388 | Valid |
| 8 | 0,663 | 0,388 | Valid |
| 9 | 0,601 | 0,388 | Valid |
| 10 | 0,546 | 0,388 | Valid |
| 11 | 0,875 | 0,388 | Valid |
| 12 | 0,646 | 0,388 | Valid |
| 13 | 0,520 | 0,388 | Valid |
| 14 | 0,485 | 0,388 | Valid |
| 15 | 0,806 | 0,388 | Valid |
| 16 | 0,520 | 0,388 | Valid |
| 17 | 0,748 | 0,388 | Valid |
| 18 | 0,410 | 0,388 | Valid |
| 19 | 0,841 | 0,388 | Valid |
| 20 | 0,354 | 0,388 | Tidak Valid |
| 21 | 0,629 | 0,388 | Valid |
| 22 | 0,699 | 0,388 | Valid |
| 23 | 0,639 | 0,388 | Valid |
| 24 | 0,387 | 0,388 | Tidak Valid |
| 25 | 0,813 | 0,388 | Valid |
| 26 | 0,541 | 0,388 | Valid |

**Uji Reliabilitas Praktikum IPA**

|  |  |  |  |
| --- | --- | --- | --- |
| **Case Processing Summary** | | | |
|  | | N | % |
| Cases | Valid | 28 | 100.0 |
| Excludeda | 0 | .0 |
| Total | 28 | 100.0 |
|  | | | |

|  |  |
| --- | --- |
| **Reliability Statistics** | |
| Cronbach's Alpha | N of Items |
| .927 | 26 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Item-Total Statistics** | | | | |
|  | Scale Mean if Item Deleted | Scale Variance if Item Deleted | Corrected Item-Total Correlation | Cronbach's Alpha if Item Deleted |
| VAR 1 | 99.8571 | 112.646 | .521 | .925 |
| VAR 2 | 99.6786 | 114.893 | .409 | .927 |
| VAR 3 | 99.3571 | 113.720 | .397 | .928 |
| VAR 4 | 99.2857 | 108.582 | .664 | .923 |
| VAR 5 | 99.5000 | 115.667 | .567 | .925 |
| VAR 6 | 99.7143 | 114.212 | .484 | .926 |
| VAR 7 | 99.8214 | 112.745 | .511 | .925 |
| VAR 8 | 99.6071 | 110.396 | .615 | .924 |
| VAR 9 | 98.8214 | 113.708 | .568 | .924 |
| VAR 10 | 98.7857 | 115.878 | .508 | .925 |
| VAR 11 | 99.1071 | 110.692 | .860 | .920 |
| VAR 12 | 98.7857 | 113.804 | .611 | .924 |
| VAR 13 | 99.5714 | 113.217 | .459 | .926 |
| VAR 14 | 99.1071 | 115.581 | .436 | .926 |
| VAR 15 | 99.1429 | 112.053 | .786 | .922 |
| VAR 16 | 99.1071 | 115.655 | .475 | .926 |
| VAR 17 | 99.4643 | 111.369 | .718 | .922 |
| VAR 18 | 99.1071 | 117.655 | .365 | .927 |
| VAR 19 | 99.1429 | 107.979 | .818 | .920 |
| VAR 20 | 99.0000 | 118.815 | .313 | .927 |
| VAR 21 | 99.0357 | 115.147 | .597 | .924 |
| VAR 22 | 99.1071 | 114.025 | .671 | .923 |
| VAR 23 | 99.0714 | 113.698 | .602 | .924 |
| VAR 24 | 99.1071 | 117.062 | .333 | .928 |
| VAR 25 | 99.3214 | 107.485 | .784 | .920 |
| VAR 26 | 98.7500 | 115.898 | .503 | .925 |

**Uji Reliabilitas Motivasi Belajar**

|  |  |  |  |
| --- | --- | --- | --- |
| **Case Processing Summary** | | | |
|  | | N | % |
| Cases | Valid | 28 | 100.0 |
| Excludeda | 0 | .0 |
| Total | 28 | 100.0 |

|  |  |
| --- | --- |
| **Reliability Statistics** | |
| Cronbach's Alpha | N of Items |
| .882 | 26 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Item-Total Statistics** | | | | |
|  | Scale Mean if Item Deleted | Scale Variance if Item Deleted | Corrected Item-Total Correlation | Cronbach's Alpha if Item Deleted |
| VAR 1 | 91.2857 | 98.138 | .696 | .873 |
| VAR 2 | 91.2143 | 94.175 | .743 | .870 |
| VAR 3 | 91.1071 | 93.210 | .714 | .870 |
| VAR 4 | 91.1429 | 102.201 | .268 | .882 |
| VAR 5 | 91.5000 | 101.370 | .553 | .877 |
| VAR 6 | 89.9643 | 102.776 | .372 | .880 |
| VAR 7 | 90.9286 | 97.254 | .623 | .873 |
| VAR 8 | 90.9286 | 100.661 | .380 | .879 |
| VAR 9 | 90.6786 | 96.745 | .709 | .872 |
| VAR 10 | 90.8214 | 97.337 | .468 | .877 |
| VAR 11 | 92.2143 | 103.286 | .109 | .889 |
| VAR 12 | 90.3929 | 101.358 | .368 | .879 |
| VAR 13 | 90.5000 | 97.370 | .629 | .873 |
| VAR 14 | 91.5357 | 99.962 | .365 | .880 |
| VAR 15 | 91.2857 | 98.952 | .393 | .879 |
| VAR 16 | 90.2857 | 103.767 | .192 | .883 |
| VAR 17 | 90.9286 | 96.069 | .526 | .875 |
| VAR 18 | 90.4286 | 101.291 | .351 | .880 |
| VAR 19 | 91.0714 | 103.402 | .117 | .888 |
| VAR 20 | 91.2500 | 98.343 | .511 | .876 |
| VAR 21 | 91.1786 | 99.634 | .344 | .881 |
| VAR 22 | 90.5000 | 98.111 | .626 | .874 |
| VAR 23 | 91.1429 | 96.275 | .597 | .874 |
| VAR 24 | 90.4643 | 95.962 | .555 | .874 |
| VAR 25 | 91.3571 | 100.905 | .359 | .880 |
| VAR 26 | 90.1786 | 100.226 | .407 | .879 |

**Angket Persepsi Siswa Tentang Praktikum IPA**

|  |  |  |  |
| --- | --- | --- | --- |
| **Indikator** | **Pernyataan Sebelum** | **Keterangan** | **Pernyataan Sesudah** |
| Persepsi siswa terhadap persiapan praktikum | Saya sudah memahami materi yang akan di praktikumkan | Valid |  |
| Saya mengetahui tujuan praktikum | Valid |  |
| Kelas dibagi menjadi beberapa kelompok kecil | Valid |  |
| Saya hanya membawa barang / benda yang berhubungan dengan kegiatan praktikum ke dalam laboratorium / kelas / luar kelas | Valid |  |
| Saya mencatat daftar perlengkapan laboraorium yang akan digunakan | Valid |  |
| Saya ikut mempersiapkan tempat / meja praktikum | Valid |  |
| Saya ikut mempersiapkan peralatan praktikum | Valid |  |
| Saya ikut mempersiapkan bahan yang digunakan praktikum | Valid |  |
| Persepsi siswa terhadap pelaksanaan praktikum | Guru menjelaskan tentang langkah kerja praktikum | Valid |  |
| Guru memberikan pengarahan tentang petunjuk penggunaan peralatan dan perlengkapan praktikum | Valid |  |
| Saya menggunakan peralatan praktikum sesuai dengan prosedur petunjuk | Valid |  |
| Guru mendampingi siswa selama praktikum | Valid |  |
| Saya bertanya kepada guru jika ada hal yang tidak dipahami ketika praktikum berlangsung | Valid |  |
| Saya mematuhi tata tertib laboratorium | Valid |  |
| Saya memperhatikan keamanan dan keselamatan kerja laboratorium | Valid |  |
| Saya melaporkan kepada guru jika terjadi kecelakaan ketika praktikum | Valid |  |
| Saya mencatat hasil praktikum sementara | Valid |  |
| Saya berdiskusi mengenai masalah yang terjadi selama praktikum | Valid |  |
| Saya mencatat kesimpulan tentang hasil praktikum yang telah dilaksanakan | Valid |  |
| Persepsi siswa terhadap penutupan praktikum | Saya membersihkan kembali peralatan praktikum | Tidak Valid | Saya ikut merapikan kembali peralatan praktikum ke tempat semula |
| Saya ikut mengembalikan peralatan praktikum ke tampat penyimpanan | Valid |  |
| Saya ikut mengembalikan bahan praktikum yang masih tersisa ke tempat penyimpanan | Valid |  |
| Saya ikut merapikan kembali tempat/meja praktikum | Valid |  |
| Saya melaporkan kepada guru/laboran jika terdapat peralatan yang rusak/hilang | Tidak Valid | Saya melaporkan kepada guru / laboran apabila ada peralatan yang rusak / hilang |
| Saya mengecek ulang sebelum meninggalkan laboratorium / tempat praktikum | Valid |  |
| Saya keluar dari laboratorium dengan izin guru | Valid |  |

**Angket Motivasi Belajar Siswa**

|  |  |  |  |
| --- | --- | --- | --- |
| **Indikator** | **Pernyataan Sebelum** | **Keterangan** | **Pernyataan Sesudah** |
| Kuatnya kemauan untuk belajar | Saya rajin belajar terutama pada mata pelajaran IPA | Valid |  |
| Saya suka menggali informasi berkaitan dengan pembelajaran IPA | Valid |  |
| Saya mampu menyelesaikan setiap tugas IPA | Valid |  |
| Saya senang membaca buku IPA | Tidak Valid | Saya senang membaca materi IPA di perpustakaan jika ada waktu senggang |
| Saya mengulang kembali mata pelajaran IPA di rumah yang telah dijelaskan guru di sekolah | Valid |  |
| Saya segera mengerjakan tugas IPA yang diberikan guru | Valid |  |
| Ulet dalam menghadapi kesulitan | Saya tidak putus asa ketika kesulitan mempelajari materi IPA | Valid |  |
| Saya bertanya kepada guru jika ada materi yang belum saya pahami | Valid |  |
| Ketika mendapatkan soal latihan saya berusaha mengerjakannya hingga selesai | Valid |  |
| Menyediakan waktu untuk belajar | Saya belajar di rumah sebelum ulangan IPA | Valid |  |
| Saya mengikuti kegiatan ekstrakurikuler olimpiade IPA | Tidak Valid | Saya mengikuti kegiatan ekstrakurikuler olimpiade IPA / karya tulis ilmiah / adiwiyata / informatika |
| Saya tetap mendengarkan penjelasan guru meskipun teman-teman ramai sendiri | Valid |  |
| Saya membuat jadwal belajar IPA dan jadwal pelajaran sekolah di rumah | Valid |  |
| Memiliki cita-cita | Saya memiliki cita-cita yang berhubungan dengan pelajaran IPA, sehingga saya senang dengan pelajaran IPA | Valid |  |
| Saya dapat menghubungkan pelajaran IPA dengan cita-cita saya di waktu mendatang | Valid |  |
| Saya tidak takut memperjuangkan cita-cita saya, meskipun ada resiko gagal | Tidak Valid | Saya ingin menggapai cita-cita meskipun ada kemungkinan gagal |
| Keinginan mendapatkan penghargaan | Saya lebih semangat belajar ketika mendapatkan pujian dari guru | Valid |  |
| Saya senang jika kelompok saya menjadi kelompok terbaik saat pembelajaran | Valid |  |
| Saya merasa malu jika mendapatkan nilai yang jelek | Tidak Valid | Saya lebih giat belajar ketika mendapatkan nilai yang rendah |
| Kesenangan dalam mengikuti pembelajaran | Saya senang belajar IPA karena model pembelajarannya menarik | Valid |  |
| Belajar IPA tidak membosankan karena guru tidak hanya menjelaskan saja | Valid |  |
| Saya menyukai pelajaran IPA jika materi diselingi permainan | Valid |  |
| Saya suka belajar IPA karena ada kegiatan praktikum | Valid |  |
| Adanya lingkungan belajar yang kondusif | Saya merasa fokus jika teman-teman tenang dan kondusif saat pelajaran berlangsung | Valid |  |
| Saya senang belajar IPA karena gurunya asik | Valid |  |
| Saya senang belajar di ruang kelas yang bersih, nyaman dan rapi | Valid |  |