**LAMPIRAN 1**

**KISI-KISI ANGKET SEBELUM**

**UJI VALIDITAS DAN RELIABILITAS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Variabel** | **Indikator** | **Nomor** | | **Jumlah** |
| **Favorable** | **Unfavorable** |
| **Motivasi Belajar** | Kehadiran dalam setiap pembelajaran | 1 | 3, 5, 28 | 4 |
| Perilaku antusias siswa dalam belajar | 2, 4, 6, 10, 12 | 7, 11, 15, 17 | 9 |
| Tekun dan ulet menghadapi tugas | 8, 9, 16, 19 | 13 | 5 |
| Berusaha berprestasi sebaik mungkin | 14, 18 | 20, 21, 24 | 5 |
| Mempertahankan pendapat | 22 | 25 | 2 |
| Senang mencari dan memecahkan masalah matematika | 23, 26 | 27 | 3 |
| **Keaktifan** **Belajar** | Memperhatikan dan mendengarkan penjelasan guru | 1, 3, 7 | 2, 4, 8, 9, 34 | 8 |
| Memahami masalah yang diberikan oleh guru | 5, 10 | 6, 11, 13 | 5 |
| Aktif bertanya dan menjawab pertanyaan | 12, 14, 17, 21, 33 | 15, 18 | 7 |
| Bekerja sama dalam kelompok | 16, 19, 23 | 20, 22, 27, 28 | 7 |
| Kemampuan mengemukakan pendapat | 24, 25, 35 | 26, 29 | 5 |
| Berani mempresentasikan hasil diskusi | 30 | 31, 32 | 3 |

**LAMPIRAN 2**

**ANGKET SEBELUM**

**UJI VALIDITAS DAN RELIABILITAS**

**Petunjuk Pengisian Angket**

* + - * 1. Tulislah nama dan kelas adik-adik terlebih dahulu!
        2. Bacalah setiap pertanyaan dengan seksama.
        3. Pilih satu jawaban yang paling sesuai dengan keadaan yang kamu alami.
        4. Berikan tanda ☑ pada kolom jawaban yang kamu pilih.
        5. Setelah angket selesai dijawab, kumpulkan di depan kelas!
        6. Atas kesediaan mengisi angket ini, saya ucapkan terima kasih.

~SELAMAT MENGERJAKAN~

**Nama :**

**Kelas :**

**Keterangan Jawaban**

S = SELALU KK = KADANG-KADANG

SR = SERING TP = TIDAK PERNAH

1. **Kuesioner Motivasi Belajar**

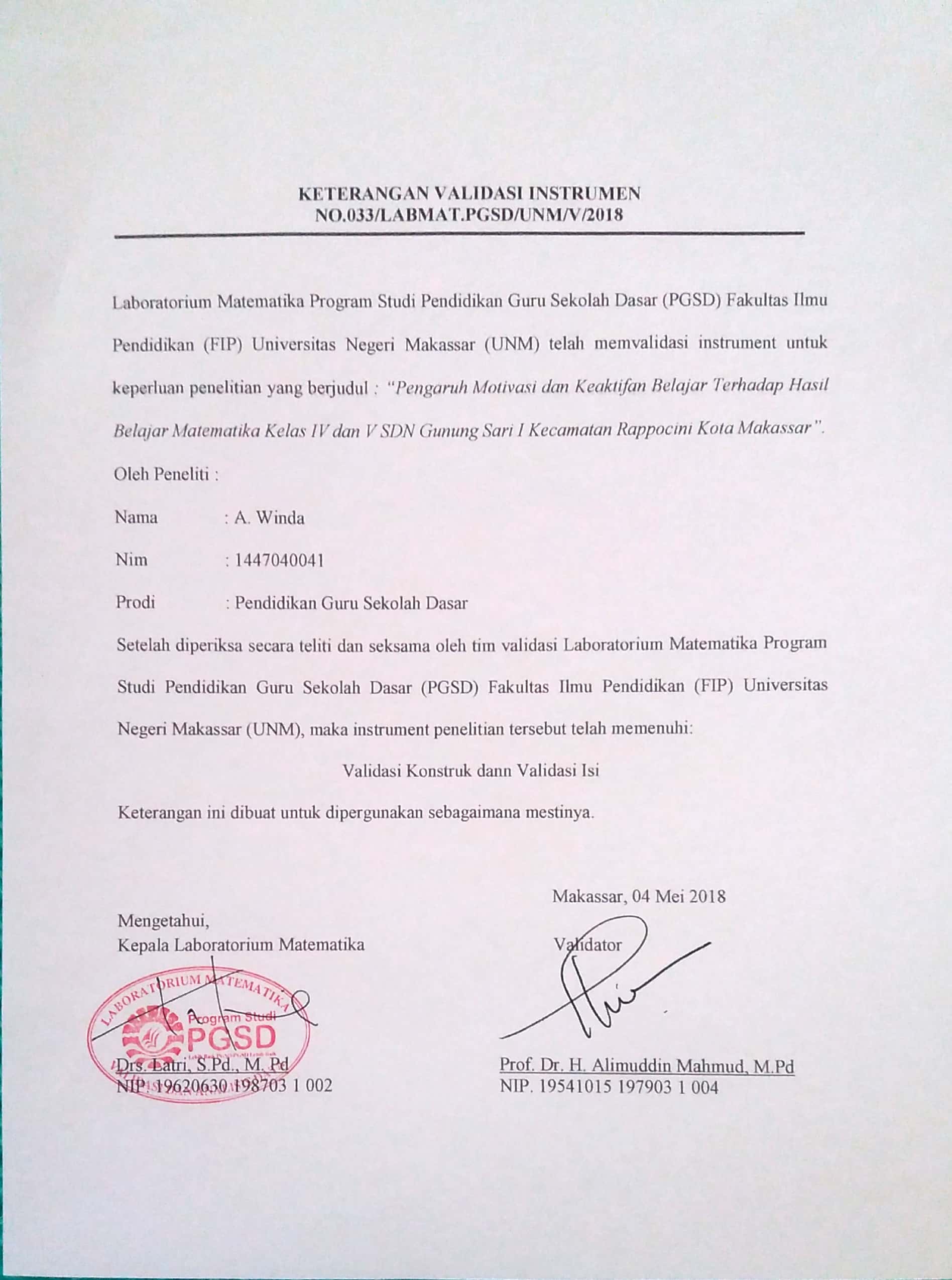
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No** | **Pernyataan** | **Jawaban** | | | |
| **S** | **SR** | **KK** | **TP** |
| 1 | Saya datang tepat waktu saat belajar matematika |  |  |  |  |
| 2 | Saya senang belajar matematika |  |  |  |  |
| 3 | Saya datang terlambat saat mata pelajaran matematika |  |  |  |  |
| 4 | Saya belajar matematika tanpa dipaksa siapapun |  |  |  |  |
| 5 | Saya jarang masuk kelas ketika pelajaran matematika |  |  |  |  |
| 6 | Saya belajar matematika di rumah |  |  |  |  |
| 7 | Saya malas belajar matematika |  |  |  |  |
| 8 | Saya berusaha mengerjakan tugas matematika meskipun sulit |  |  |  |  |
| 9 | Saya berusaha menyelesaikan tugas matematika dengan berbagai cara |  |  |  |  |
| 10 | Saya senang membaca buku matematika |  |  |  |  |
| 11 | Saya belajar matematika karena dipaksa orang tua |  |  |  |  |
| 12 | Saya belajar matematika karena matematika ilmu yang penting untuk dipelajari |  |  |  |  |
| 13 | Saya menyerah ketika mendapat soal matematika yang sulit |  |  |  |  |
| 14 | Saya belajar matematika untuk mendapat nilai yang bagus |  |  |  |  |
| 15 | Saya belajar matematika karena wajib |  |  |  |  |
| 16 | Saya bangga ketika mengerjakan tugas sendiri |  |  |  |  |
| 17 | Saya belajar matematika karena dipaksa guru |  |  |  |  |
| 18 | Saya belajar agar menjadi juara kelas |  |  |  |  |
| 19 | Saya senang berdiskusi materi matematika |  |  |  |  |
| 20 | Saya belajar matematika untuk mendapat hadiah dari orang tua |  |  |  |  |
| 21 | Saya berhenti belajar matematika setelah mendapat nilai yang bagus |  |  |  |  |
| 22 | Saya mengerjakan tugas matematika sendiri |  |  |  |  |
| 23 | Saya senang mengerjakan tugas matematika yang bermacam-macam |  |  |  |  |
| 24 | Saya belajar matematika untuk mendapat pujian dari guru |  |  |  |  |
| 25 | Saya menyontek tugas matematika teman |  |  |  |  |
| 26 | Saya berusaha menyelesaikan tugas matematika sebelum bertanya kepada orang lain |  |  |  |  |
| 27 | Saya berdiam diri meskipun belum mengerti matematika |  |  |  |  |
| 28 | Saya terlambat masuk kelas ketika pelajaran matematika |  |  |  |  |

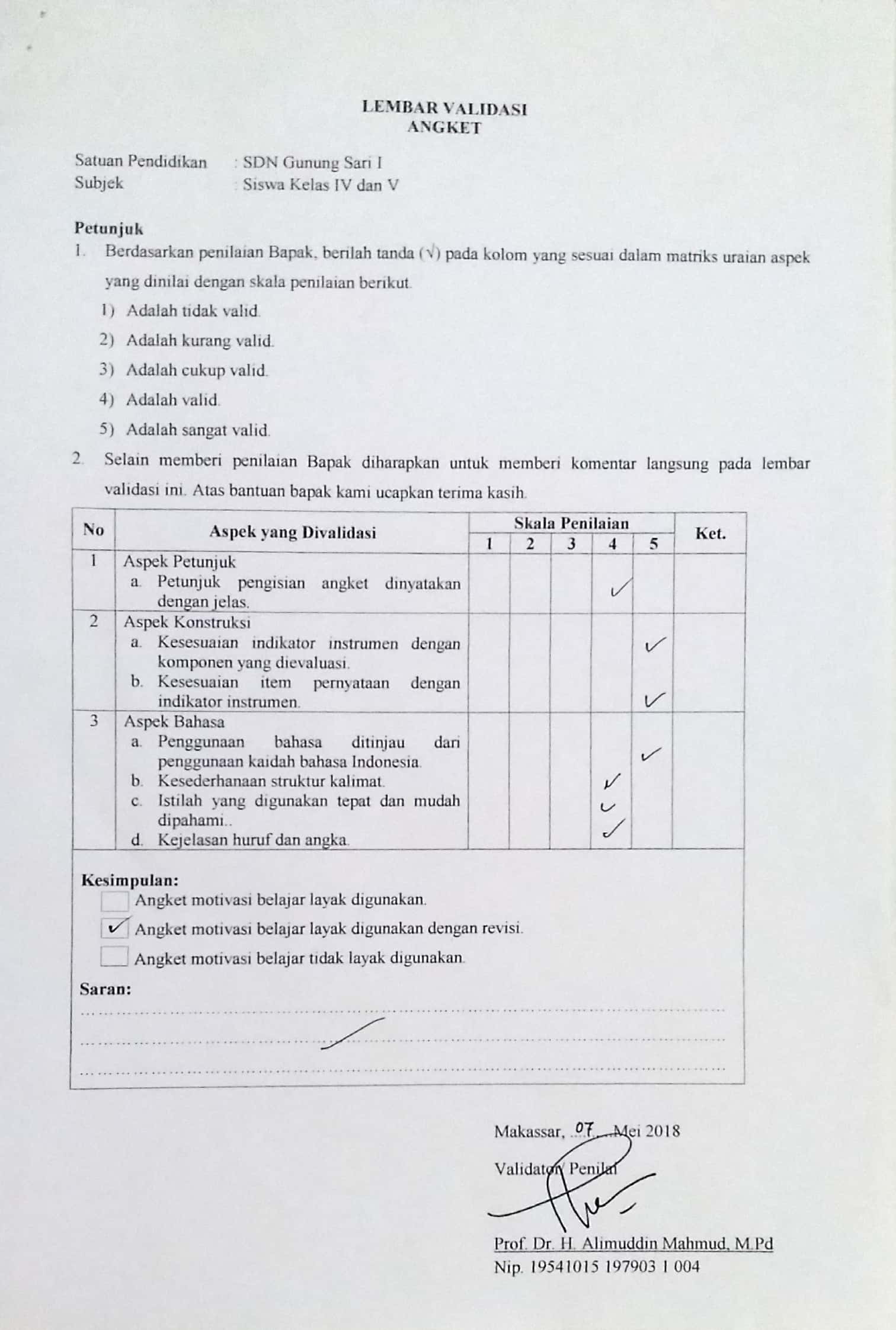
1. **Kuesioner Keaktifan Belajar**

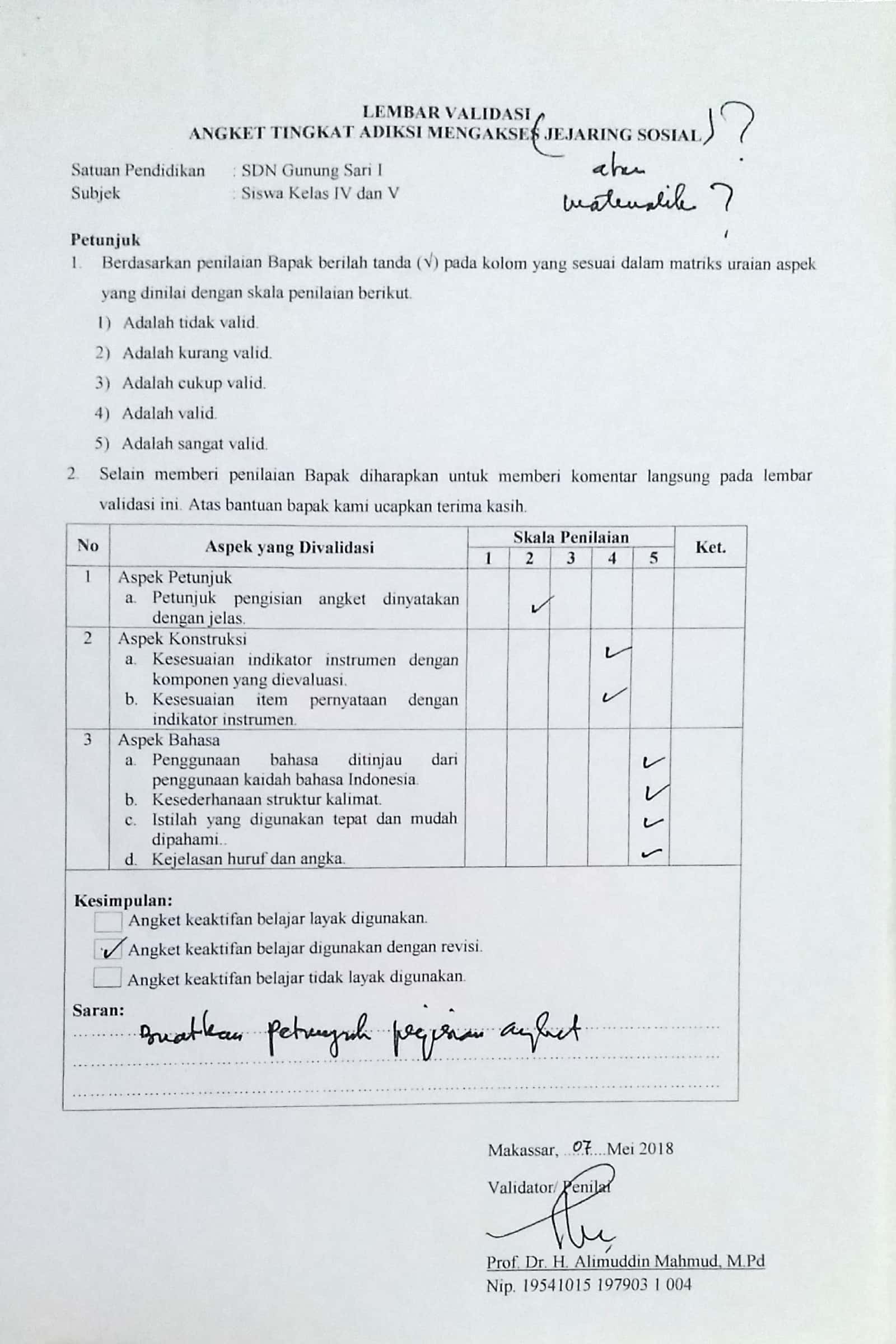
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No** | **Pernyataan** | **Jawaban** | | | |
| **S** | **SR** | **KK** | **TP** |
| 1 | Saya mencatat materi matematika yang disampaikan guru |  |  |  |  |
| 2 | Saya bermain ketika guru sedang menjelaskan materi matematika |  |  |  |  |
| 3 | Saya memperhatikan penjelasan guru saat pelajaran matematika |  |  |  |  |
| 4 | Saya mengganggu teman ketika guru sedang menjelaskan materi matematika |  |  |  |  |
| 5 | Saya mengerti masalah matematika yang dijelaskan guru |  |  |  |  |
| 6 | Saya kurang mengerti materi matematika yang dijelaskan guru |  |  |  |  |
| 7 | Saya kurang memperhatikan penjelasan guru |  |  |  |  |
| 8 | Saya tidur ketika guru menjelaskan materi matematika |  |  |  |  |
| 9 | Saya mencatat penjelasan guru karena ditegur |  |  |  |  |
| 10 | Saya bisa mengerjakan tugas matematika yang diberikan guru |  |  |  |  |
| 11 | Saya bingung dengan penjelasan matematika yang disampaikan guru |  |  |  |  |
| 12 | Saya bertanya ketika tidak memahami penjelasan matematika dari guru |  |  |  |  |
| 13 | Saya kesulitan mengerjakan tugas matematika yang diberikan guru |  |  |  |  |
| 14 | Saya bertanya kepada teman ketika sulit memahami materi matematika yang sedang dibahas |  |  |  |  |
| 15 | Saya diam ketika sulit memahami penjelasan guru |  |  |  |  |
| 16 | Saya mempersilahkan anggota kelompok untuk mengemukakan pendapat masing-masing |  |  |  |  |
| 17 | Saya berani menjawab pertanyaan matematika yang diberikan guru |  |  |  |  |
| 18 | Saya diam ketika ditunjuk mengerjakan tugas matematika oleh guru |  |  |  |  |
| 19 | Saya senang berdiskusi membahas tugas kelompok matematika |  |  |  |  |
| 20 | Saya berbincang ketika teman menyampaikan pendapatnya dalam diskusi kelompok |  |  |  |  |
| 21 | Saya senang menjawab pertanyaan meskipun jawaban saya kurang tepat |  |  |  |  |
| 22 | Saya tidak menerima pendapat teman ketika diskusi kelompok matematika |  |  |  |  |
| 23 | Saya memberikan cara menyelesaikan tugas kelompok matematika |  |  |  |  |
| 24 | Saya memberi pendapat ketika diskusi kelompok matematika |  |  |  |  |
| 25 | Saya menerima pendapat saya ditolak ketika diskusi matematika |  |  |  |  |
| 26 | Saya berdiam diri saat diskusi kelompok |  |  |  |  |
| 27 | Saya menghindar menyelesaikan tugas kelompok matematika yang menjadi bagian saya |  |  |  |  |
| 28 | Saya malas mengerjakan tugas kelompok matematika |  |  |  |  |
| 29 | Saya marah ketika teman kelompok menolak pendapat saya dalam diskusi matematika |  |  |  |  |
| 30 | Saya bersedia menyampaikan hasil diskusi kelompok matematika |  |  |  |  |
| 31 | Saya menolak menyampaikan hasil diskusi kelompok matematika |  |  |  |  |
| 32 | Saya berdiam diri ketika disuruh menyampaikan hasil diskusi kelompok matematika |  |  |  |  |
| 33 | Saya bertanya kepada guru ketika tidak dapat mengerjakan tugas matematika |  |  |  |  |
| 34 | Saya berbincang dengan teman ketika guru menjelaskan meteri matematika |  |  |  |  |
| 35 | Saya berani menjawab pertanyaan meskipun jawaban saya kurang tepat |  |  |  |  |

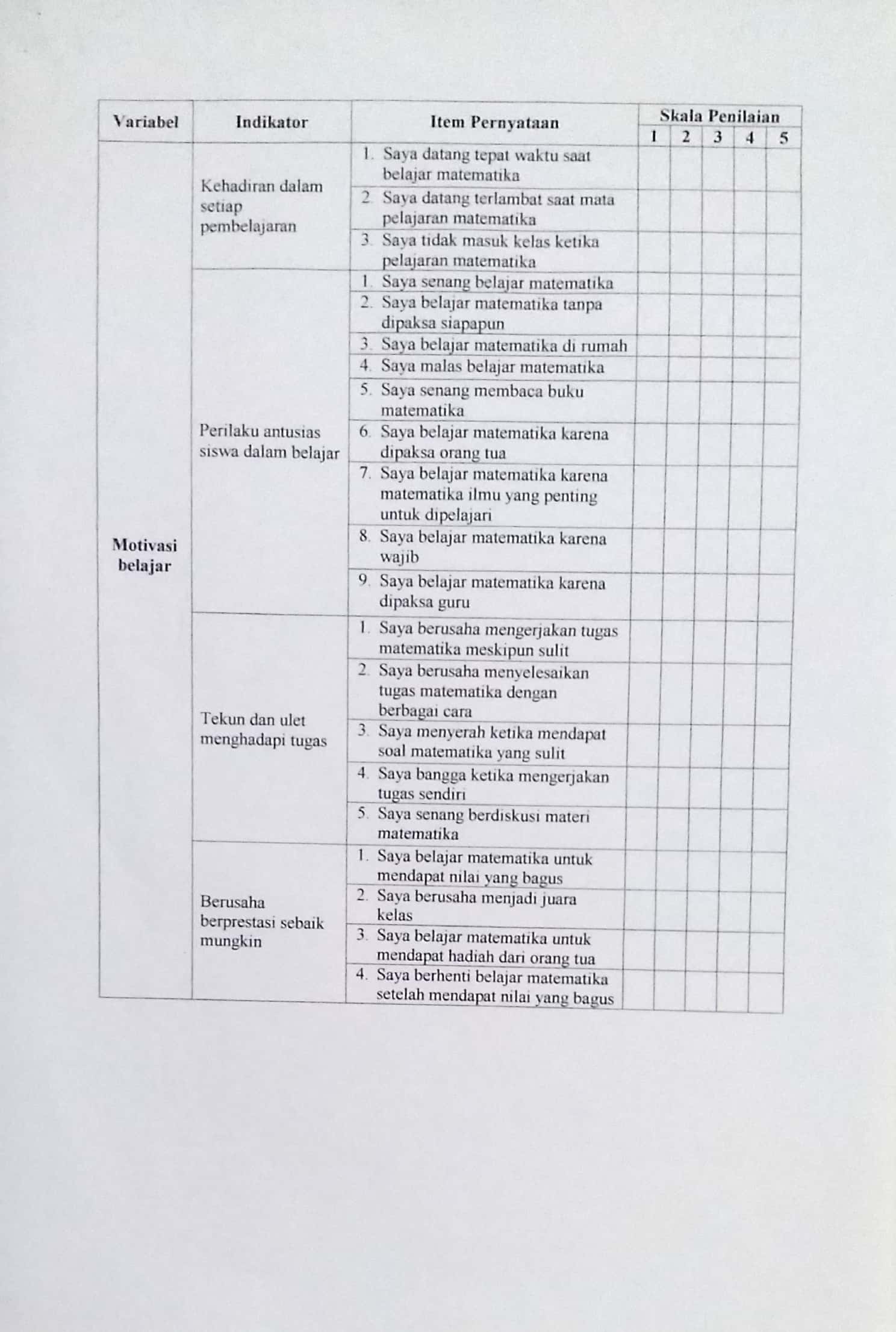
**LAMPIRAN 3**

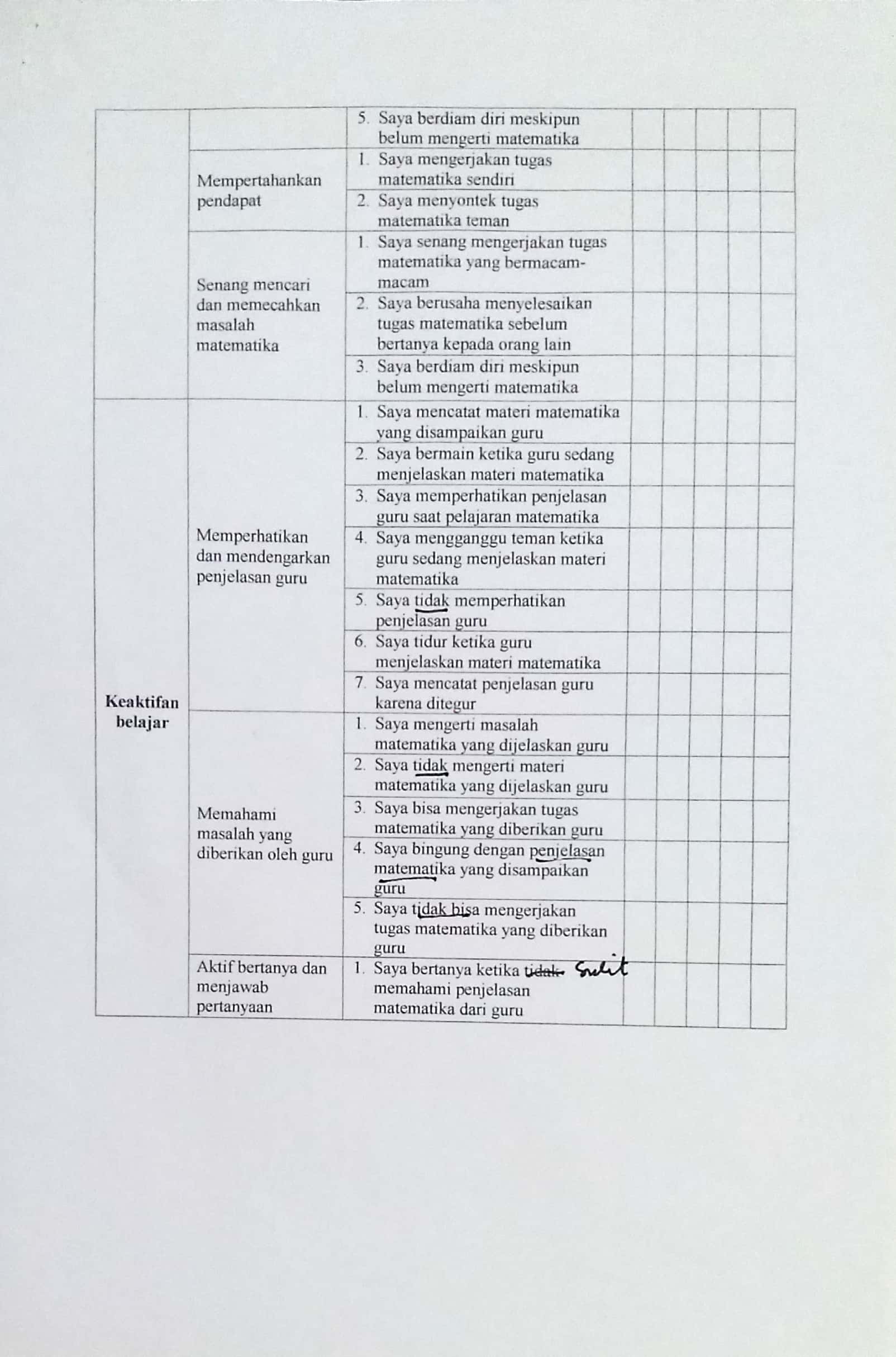
**VALIDITAS AHLI**

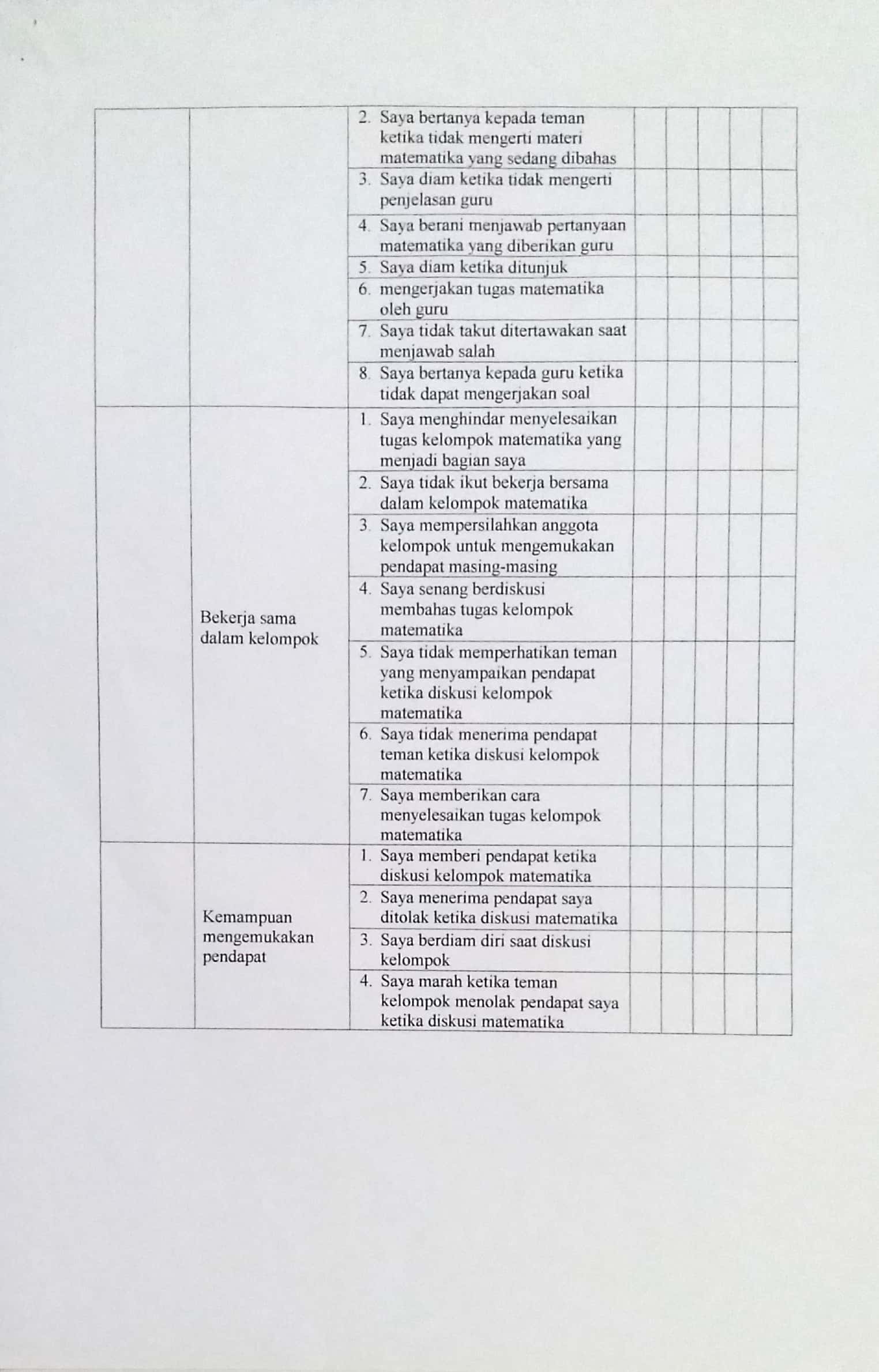
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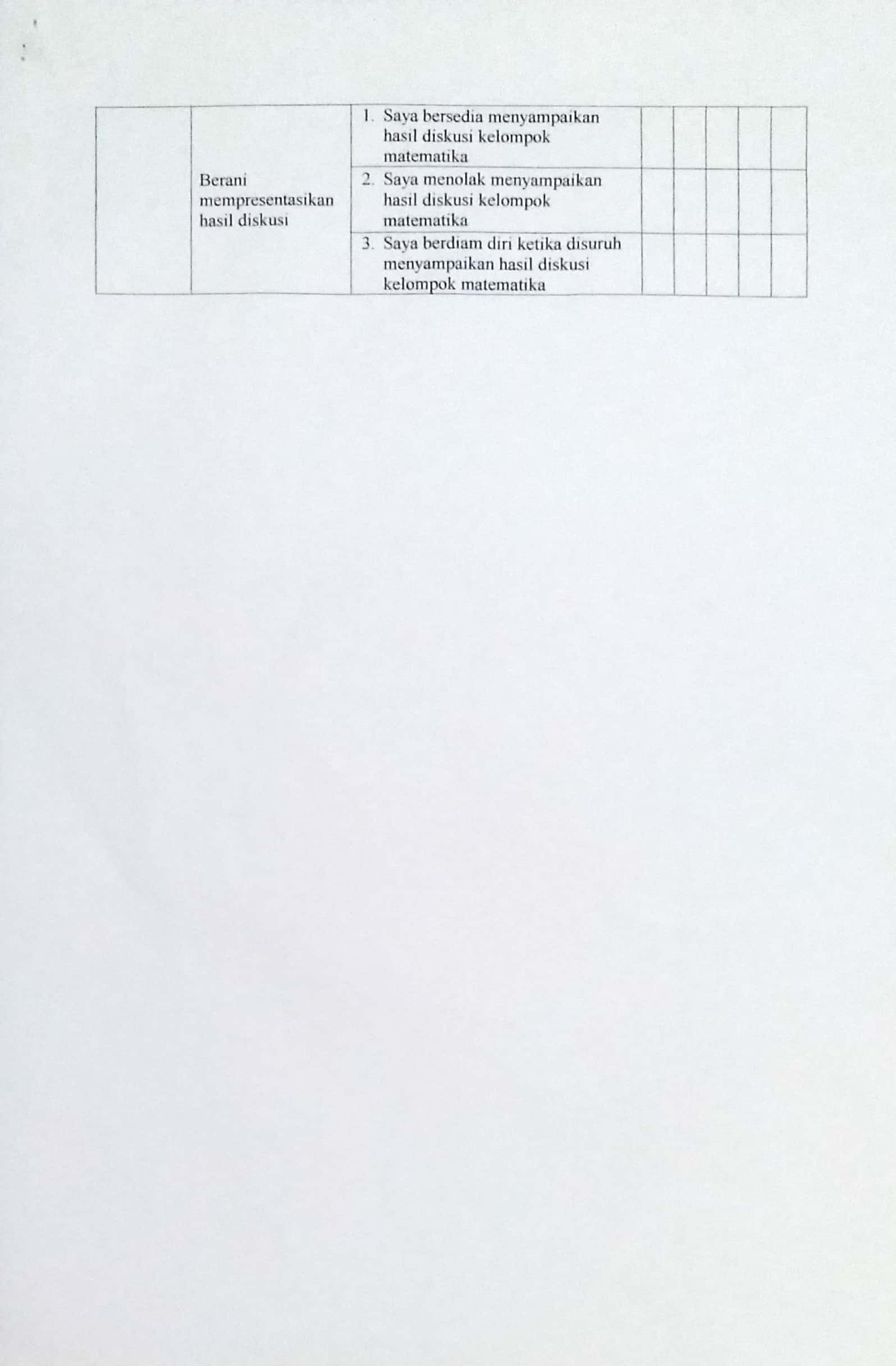
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**LAMPIRAN 6**

**OUTPUT UJI RELIABILITAS**

1. **Motivasi Belajar**

|  |  |  |  |
| --- | --- | --- | --- |
| **Case Processing Summary** | | | |
|  | | N | % |
| Cases | Valid | 52 | 100,0 |
| Excludeda | 0 | ,0 |
| Total | 52 | 100,0 |
| a. Listwise deletion based on all variables in the procedure. | | | |

|  |  |  |
| --- | --- | --- |
| **Reliability Statistics** | | |
| Cronbach's Alpha | Cronbach's Alpha Based on Standardized Items | N of Items |
| ,672 | ,872 | 21 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Scale Statistics** | | | |
| Mean | Variance | Std. Deviation | N of Items |
| 153,6346 | 552,707 | 23,50972 | 21 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Item-Total Statistics** | | | | | |
|  | Scale Mean if Item Deleted | Scale Variance if Item Deleted | Corrected Item-Total Correlation | Squared Multiple Correlation | Cronbach's Alpha if Item Deleted |
| m1 | 150,4808 | 536,019 | ,347 | ,460 | ,664 |
| m4 | 150,5769 | 525,229 | ,455 | ,502 | ,657 |
| m5 | 150,2500 | 526,074 | ,493 | ,657 | ,657 |
| m6 | 150,7500 | 526,936 | ,506 | ,497 | ,658 |
| m7 | 150,2692 | 522,906 | ,599 | ,776 | ,655 |
| m8 | 150,3269 | 539,244 | ,296 | ,508 | ,666 |
| m9 | 150,3462 | 534,505 | ,391 | ,594 | ,663 |
| m10 | 150,5000 | 523,706 | ,523 | ,616 | ,656 |
| m11 | 150,1538 | 528,995 | ,542 | ,577 | ,659 |
| m12 | 150,2115 | 524,915 | ,627 | ,750 | ,656 |
| m14 | 150,1923 | 529,962 | ,563 | ,716 | ,659 |
| m17 | 150,1154 | 525,869 | ,531 | ,707 | ,657 |
| m20 | 150,1538 | 531,937 | ,403 | ,567 | ,662 |
| m21 | 150,0385 | 533,410 | ,438 | ,714 | ,662 |
| m22 | 150,7115 | 530,092 | ,401 | ,496 | ,661 |
| m23 | 150,4615 | 535,391 | ,396 | ,627 | ,663 |
| m25 | 150,4231 | 521,857 | ,548 | ,537 | ,655 |
| m26 | 150,7308 | 535,377 | ,293 | ,277 | ,665 |
| m27 | 150,6731 | 522,264 | ,512 | ,554 | ,655 |
| m28 | 150,2115 | 532,092 | ,409 | ,398 | ,662 |
| motivasi | 65,1154 | 113,398 | ,928 | ,902 | ,848 |

|  |  |  |
| --- | --- | --- |
| **Reliability Statistics** | | |
| Cronbach's Alpha | Cronbach's Alpha Based on Standardized Items | N of Items |
| ,726 | ,876 | 26 |

1. **Keaktifan Belajar**

|  |  |  |  |
| --- | --- | --- | --- |
| **Case Processing Summary** | | | |
|  | | N | % |
| Cases | Valid | 52 | 100,0 |
| Excludeda | 0 | ,0 |
| Total | 52 | 100,0 |
| a. Listwise deletion based on all variables in the procedure. | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Scale Statistics** | | | | | | |
| Mean | | Variance | | Std. Deviation | | N of Items |
| 185,6346 | | 571,334 | | 23,90260 | | 26 |
| **Item-Total Statistics** | | | | | | | | | | |
|  | Scale Mean if Item Deleted | | Scale Variance if Item Deleted | | Corrected Item-Total Correlation | | Squared Multiple Correlation | | | Cronbach's Alpha if Item Deleted |
| k1 | 182,1154 | | 553,163 | | ,516 | | ,730 | | | ,717 |
| k2 | 182,1154 | | 552,653 | | ,477 | | ,668 | | | ,717 |
| k3 | 182,0192 | | 557,353 | | ,368 | | ,578 | | | ,720 |
| k4 | 182,1538 | | 559,858 | | ,275 | | ,583 | | | ,722 |
| k5 | 182,7692 | | 558,377 | | ,268 | | ,557 | | | ,721 |
| k8 | 181,8846 | | 561,555 | | ,254 | | ,689 | | | ,722 |
| k9 | 182,3654 | | 541,256 | | ,605 | | ,628 | | | ,711 |
| k10 | 182,4808 | | 545,588 | | ,555 | | ,779 | | | ,714 |
| k11 | 182,8654 | | 553,452 | | ,366 | | ,674 | | | ,718 |
| k13 | 182,8462 | | 552,015 | | ,430 | | ,675 | | | ,717 |
| k15 | 182,6346 | | 536,550 | | ,580 | | ,725 | | | ,709 |
| k16 | 182,4423 | | 542,134 | | ,599 | | ,729 | | | ,712 |
| k17 | 182,7308 | | 551,573 | | ,377 | | ,738 | | | ,718 |
| k18 | 182,6346 | | 535,609 | | ,633 | | ,835 | | | ,708 |
| k19 | 182,4231 | | 552,916 | | ,364 | | ,695 | | | ,718 |
| k22 | 182,3077 | | 555,707 | | ,279 | | ,462 | | | ,720 |
| k23 | 182,9038 | | 549,579 | | ,376 | | ,735 | | | ,717 |
| k24 | 182,5769 | | 546,131 | | ,519 | | ,669 | | | ,714 |
| k26 | 182,4038 | | 538,873 | | ,594 | | ,697 | | | ,710 |
| k27 | 182,2692 | | 550,475 | | ,402 | | ,741 | | | ,717 |
| k28 | 182,0769 | | 555,170 | | ,375 | | ,616 | | | ,719 |
| k30 | 182,5192 | | 554,568 | | ,326 | | ,764 | | | ,719 |
| k31 | 182,5192 | | 546,764 | | ,400 | | ,728 | | | ,716 |
| k32 | 182,5962 | | 547,971 | | ,422 | | ,706 | | | ,716 |
| k34 | 182,5385 | | 541,038 | | ,564 | | ,687 | | | ,712 |
| keaktifan | 79,6731 | | 144,381 | | ,960 | | ,966 | | | ,858 |

**LAMPIRAN 7**

**KISI-KISI ANGKET SETELAH**

**UJI VALIDITAS DAN RELIABILITAS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Variabel** | **Indikator** | **Nomor** | | **Jumlah** |
| **Favorable** | **Unfavorable** |
| **Motivasi Belajar** | Kehadiran dalam setiap pembelajaran | 1 | 3, 20 | 3 |
| Perilaku antusias siswa dalam belajar | 2, 4, 8, 10 | 5, 9,12 | 7 |
| Tekun dan ulet menghadapi tugas | 6, 7 |  | 2 |
| Berusaha berprestasi sebaik mungkin | 14 | 11, 20, 24 | 4 |
| Mempertahankan pendapat | 15 |  | 1 |
| Senang mencari dan memecahkan masalah matematika | 16, 18 | 19 | 3 |
| **Keaktifan** **Belajar** | Memperhatikan dan mendengarkan penjelasan guru | 1, 3 | 2, 4, 6, 7, 25 | 7 |
| Memahami masalah yang diberikan oleh guru | 5, 10 | 9, 10 | 4 |
| Aktif bertanya dan menjawab pertanyaan | 13 | 11, 14 | 3 |
| Bekerja sama dalam kelompok | 12, 15, 17 | 16, 20, 21 | 6 |
| Kemampuan mengemukakan pendapat | 18 | 19 | 2 |
| Berani mempresentasikan hasil diskusi | 22 | 23, 24 | 3 |

**LAMPIRAN 8**

**ANGKET SETELAH**

**UJI VALIDITAS DAN RELIABILITAS**

**Petunjuk Pengisian Angket**

* + - * 1. Tulislah nama dan kelas adik-adik terlebih dahulu!
        2. Bacalah setiap pertanyaan dengan seksama.
        3. Pilih satu jawaban yang paling sesuai dengan keadaan yang kamu alami.
        4. Berikan tanda ☑ pada kolom jawaban yang kamu pilih.
        5. Setelah angket selesai dijawab, kumpulkan di depan kelas!
        6. Atas kesediaan mengisi angket ini, saya ucapkan terima kasih.

~SELAMAT MENGERJAKAN~

**Nama :**

**Kelas :**

**Keterangan Jawaban**

S = SELALU KK = KADANG-KADANG

SR = SERING TP = TIDAK PERNAH

1. **Kuesioner Motivasi Belajar**

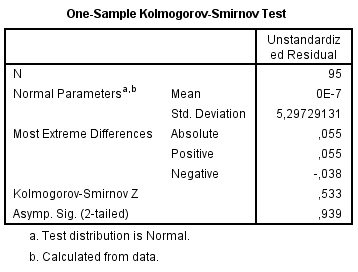
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No** | **Pernyataan** | **Jawaban** | | | |
| **S** | **SR** | **KK** | **TP** |
| 1 | Saya datang tepat waktu saat belajar matematika |  |  |  |  |
| 2 | Saya belajar matematika tanpa dipaksa siapapun |  |  |  |  |
| 3 | Saya jarang masuk kelas ketika pelajaran matematika |  |  |  |  |
| 4 | Saya belajar matematika di rumah |  |  |  |  |
| 5 | Saya malas belajar matematika |  |  |  |  |
| 6 | Saya berusaha mengerjakan tugas matematika meskipun sulit |  |  |  |  |
| 7 | Saya berusaha menyelesaikan tugas matematika dengan berbagai cara |  |  |  |  |
| 8 | Saya senang membaca buku matematika |  |  |  |  |
| 9 | Saya belajar matematika karena dipaksa orang tua |  |  |  |  |
| 10 | Saya belajar matematika karena matematika ilmu yang penting untuk dipelajari |  |  |  |  |
| 11 | Saya belajar matematika untuk mendapat nilai yang bagus |  |  |  |  |
| 12 | Saya belajar matematika karena dipaksa guru |  |  |  |  |
| 13 | Saya belajar matematika untuk mendapat hadiah dari orang tua |  |  |  |  |
| 14 | Saya berhenti belajar matematika setelah mendapat nilai yang bagus |  |  |  |  |
| 15 | Saya mengerjakan tugas matematika sendiri |  |  |  |  |
| 16 | Saya senang mengerjakan tugas matematika yang bermacam-macam |  |  |  |  |
| 17 | Saya menyontek tugas matematika teman |  |  |  |  |
| 18 | Saya berusaha menyelesaikan tugas matematika sebelum bertanya kepada orang lain |  |  |  |  |
| 19 | Saya berdiam diri meskipun belum mengerti matematika |  |  |  |  |
| 20 | Saya terlambat masuk kelas ketika pelajaran matematika |  |  |  |  |

1. **Kuesioner Keaktifan Belajar**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No** | **Pernyataan** | **Jawaban** | | | |
| **S** | **SR** | **KK** | **TP** |
| 1 | Saya mencatat materi matematika yang disampaikan guru |  |  |  |  |
| 2 | Saya bermain ketika guru sedang menjelaskan materi matematika |  |  |  |  |
| 3 | Saya memperhatikan penjelasan guru saat pelajaran matematika |  |  |  |  |
| 4 | Saya mengganggu teman ketika guru sedang menjelaskan materi matematika |  |  |  |  |
| 5 | Saya mengerti masalah matematika yang dijelaskan guru |  |  |  |  |
| 6 | Saya tidur ketika guru menjelaskan materi matematika |  |  |  |  |
| 7 | Saya mencatat penjelasan guru karena ditegur |  |  |  |  |
| 8 | Saya bisa mengerjakan tugas matematika yang diberikan guru |  |  |  |  |
| 9 | Saya bingung dengan penjelasan matematika yang disampaikan guru |  |  |  |  |
| 10 | Saya kesulitan mengerjakan tugas matematika yang diberikan guru |  |  |  |  |
| 11 | Saya diam ketika sulit memahami penjelasan guru |  |  |  |  |
| 12 | Saya mempersilahkan anggota kelompok untuk mengemukakan pendapat masing-masing |  |  |  |  |
| 13 | Saya berani menjawab pertanyaan matematika yang diberikan guru |  |  |  |  |
| 14 | Saya diam ketika ditunjuk mengerjakan tugas matematika oleh guru |  |  |  |  |
| 15 | Saya senang berdiskusi membahas tugas kelompok matematika |  |  |  |  |
| 16 | Saya tidak menerima pendapat teman ketika diskusi kelompok matematika |  |  |  |  |
| 17 | Saya memberikan cara menyelesaikan tugas kelompok matematika |  |  |  |  |
| 18 | Saya memberi pendapat ketika diskusi kelompok matematika |  |  |  |  |
| 19 | Saya berdiam diri saat diskusi kelompok |  |  |  |  |
| 20 | Saya menghindar menyelesaikan tugas kelompok matematika yang menjadi bagian saya |  |  |  |  |
| 21 | Saya malas mengerjakan tugas kelompok matematika |  |  |  |  |
| 22 | Saya bersedia menyampaikan hasil diskusi kelompok matematika |  |  |  |  |
| 23 | Saya menolak menyampaikan hasil diskusi kelompok matematika |  |  |  |  |
| 24 | Saya berdiam diri ketika disuruh menyampaikan hasil diskusi kelompok matematika |  |  |  |  |
| 25 | Saya berbincang dengan teman ketika guru menjelaskan meteri matematika |  |  |  |  |

**LAMPIRAN 10**

**OUTPUT HASIL UJI NORMALITAS**

****

**LAMPIRAN 11**

**OUTPUT HASIL UJI LINEARITAS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Case Processing Summary** | | | | | | |
|  | Cases | | | | | |
| Included | | Excluded | | Total | |
| N | Percent | N | Percent | N | Percent |
| hasil \* motivasi | 95 | 100,0% | 0 | 0,0% | 95 | 100,0% |
| hasil \* keaktifan | 95 | 100,0% | 0 | 0,0% | 95 | 100,0% |

1. **Motivasi Belajar**

|  |  |  |  |
| --- | --- | --- | --- |
| **Report** | | | |
| hasil | | | |
| motivasi | Mean | N | Std. Deviation |
| 42 | 85,00 | 1 | . |
| 44 | 77,50 | 2 | 2,121 |
| 47 | 80,50 | 2 | 7,778 |
| 48 | 75,00 | 1 | . |
| 51 | 82,50 | 2 | 9,192 |
| 52 | 79,00 | 2 | 4,243 |
| 53 | 85,00 | 1 | . |
| 54 | 76,00 | 1 | . |
| 55 | 83,67 | 3 | 1,528 |
| 56 | 81,17 | 6 | 8,998 |
| 57 | 83,00 | 1 | . |
| 58 | 75,50 | 2 | ,707 |
| 59 | 82,00 | 2 | 1,414 |
| 60 | 80,50 | 2 | 4,950 |
| 61 | 85,44 | 9 | 6,044 |
| 62 | 84,33 | 6 | 2,658 |

|  |  |  |  |
| --- | --- | --- | --- |
| 63 | 82,00 | 3 | 3,606 |
| 64 | 88,67 | 3 | 3,055 |
| 65 | 80,80 | 5 | 4,550 |
| 66 | 80,00 | 1 | . |
| 68 | 84,80 | 5 | 6,723 |
| 69 | 82,00 | 6 | 3,847 |
| 70 | 88,50 | 6 | 5,753 |
| 71 | 91,20 | 5 | 3,271 |
| 72 | 90,00 | 1 | . |
| 73 | 95,00 | 4 | 2,582 |
| 74 | 90,50 | 6 | 7,314 |
| 75 | 92,50 | 2 | 3,536 |
| 77 | 91,50 | 2 | 2,121 |
| 78 | 98,00 | 1 | . |
| 80 | 94,50 | 2 | ,707 |
| Total | 85,25 | 95 | 6,711 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ANOVA Table** | | | | | | | |
|  | | | Sum of Squares | df | Mean Square | F | Sig. |
| hasil \* motivasi | Between Groups | (Combined) | 2406,815 | 30 | 80,227 | 2,810 | ,000 |
| Linearity | 1398,868 | 1 | 1398,868 | 48,999 | ,000 |
| Deviation from Linearity | 1007,946 | 29 | 34,757 | 1,217 | ,253 |
| Within Groups | | 1827,122 | 64 | 28,549 |  |  |
| Total | | 4233,937 | 94 |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Measures of Association** | | | | |
|  | R | R Squared | Eta | Eta Squared |
| hasil \* motivasi | ,575 | ,330 | ,754 | ,568 |

1. **Keaktifan Belajar**

|  |  |  |  |
| --- | --- | --- | --- |
| **Report** | | | |
| hasil | | | |
| keaktifan | Mean | N | Std. Deviation |
| 60 | 76,00 | 1 | . |
| 61 | 80,50 | 2 | 6,364 |
| 63 | 78,00 | 2 | 2,828 |
| 64 | 81,00 | 2 | 7,071 |
| 65 | 81,00 | 1 | . |
| 66 | 85,00 | 1 | . |
| 68 | 80,00 | 3 | 7,810 |
| 69 | 79,00 | 1 | . |
| 70 | 82,00 | 1 | . |
| 71 | 88,00 | 1 | . |
| 72 | 84,33 | 3 | 4,726 |
| 73 | 83,00 | 4 | 1,826 |
| 74 | 82,33 | 3 | 7,024 |
| 75 | 76,00 | 1 | . |
| 76 | 77,75 | 4 | 2,500 |
| 77 | 86,00 | 4 | 6,218 |
| 78 | 82,33 | 6 | 6,890 |
| 79 | 81,00 | 1 | . |
| 81 | 88,11 | 9 | 7,639 |

|  |  |  |  |
| --- | --- | --- | --- |
| 82 | 86,00 | 2 | 4,243 |
| 83 | 80,67 | 6 | 2,944 |
| 84 | 86,00 | 4 | 6,976 |
| 85 | 89,00 | 4 | 8,042 |
| 86 | 87,50 | 4 | 3,697 |
| 87 | 84,00 | 1 | . |
| 88 | 92,00 | 2 | 8,485 |
| 89 | 78,00 | 2 | 2,828 |
| 90 | 89,33 | 3 | 5,033 |
| 91 | 87,50 | 2 | 6,364 |
| 92 | 91,00 | 2 | 1,414 |
| 93 | 94,67 | 3 | 2,309 |
| 94 | 92,00 | 2 | 2,828 |
| 95 | 95,00 | 2 | 2,828 |
| 96 | 91,00 | 3 | 1,000 |
| 97 | 80,00 | 1 | . |
| 100 | 96,00 | 2 | 2,828 |
| Total | 85,25 | 95 | 6,711 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ANOVA Table** | | | | | | | |
|  | | | Sum of Squares | df | Mean Square | F | Sig. |
| hasil \* keaktifan | Between Groups | (Combined) | 2368,965 | 35 | 67,685 | 2,141 | ,005 |
| Linearity | 1210,050 | 1 | 1210,050 | 38,281 | ,000 |
| Deviation from Linearity | 1158,915 | 34 | 34,086 | 1,078 | ,392 |
| Within Groups | | 1864,972 | 59 | 31,610 |  |  |
| Total | | 4233,937 | 94 |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Measures of Association** | | | | |
|  | R | R Squared | Eta | Eta Squared |
| hasil \* keaktifan | ,535 | ,286 | ,748 | ,560 |

**LAMPIRAN 12**

**OUTPUT HASIL UJI DESKRIPTIF**

1. **Motivasi Belajar**

|  |  |  |
| --- | --- | --- |
| **Statistics** | | |
| motivasi | | |
| N | Valid | 95 |
| Missing | 0 |
| Mean | | 63,88 |
| Median | | 64,00 |
| Mode | | 61 |
| Std. Deviation | | 8,554 |
| Minimum | | 42 |
| Maximum | | 80 |
| Sum | | 6069 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **motivasi** | | | | | |
|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | 42 | 1 | 1,1 | 1,1 | 1,1 |
| 44 | 2 | 2,1 | 2,1 | 3,2 |
| 47 | 2 | 2,1 | 2,1 | 5,3 |
| 48 | 1 | 1,1 | 1,1 | 6,3 |
| 51 | 2 | 2,1 | 2,1 | 8,4 |
| 52 | 2 | 2,1 | 2,1 | 10,5 |
| 53 | 1 | 1,1 | 1,1 | 11,6 |
| 54 | 1 | 1,1 | 1,1 | 12,6 |
| 55 | 3 | 3,2 | 3,2 | 15,8 |
| 56 | 6 | 6,3 | 6,3 | 22,1 |
| 57 | 1 | 1,1 | 1,1 | 23,2 |
| 58 | 2 | 2,1 | 2,1 | 25,3 |
| 59 | 2 | 2,1 | 2,1 | 27,4 |
| 60 | 2 | 2,1 | 2,1 | 29,5 |
| 61 | 9 | 9,5 | 9,5 | 38,9 |
| 62 | 6 | 6,3 | 6,3 | 45,3 |
| 63 | 3 | 3,2 | 3,2 | 48,4 |
| 64 | 3 | 3,2 | 3,2 | 51,6 |
| 65 | 5 | 5,3 | 5,3 | 56,8 |
| 66 | 1 | 1,1 | 1,1 | 57,9 |
| 68 | 5 | 5,3 | 5,3 | 63,2 |
| 69 | 6 | 6,3 | 6,3 | 69,5 |
| 70 | 6 | 6,3 | 6,3 | 75,8 |
| 71 | 5 | 5,3 | 5,3 | 81,1 |
| 72 | 1 | 1,1 | 1,1 | 82,1 |
| 73 | 4 | 4,2 | 4,2 | 86,3 |
| 74 | 6 | 6,3 | 6,3 | 92,6 |
| 75 | 2 | 2,1 | 2,1 | 94,7 |
| 77 | 2 | 2,1 | 2,1 | 96,8 |
| 78 | 1 | 1,1 | 1,1 | 97,9 |
| 80 | 2 | 2,1 | 2,1 | 100,0 |
| Total | 95 | 100,0 | 100,0 |  |

1. **Keaktifan Belajar**

|  |  |  |
| --- | --- | --- |
| **Statistics** | | |
| keaktifan | | |
| N | Valid | 95 |
| Missing | 0 |
| Mean | | 80,79 |
| Median | | 81,00 |
| Mode | | 81 |
| Std. Deviation | | 9,625 |
| Minimum | | 60 |
| Maximum | | 100 |
| Sum | | 7675 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **keaktifan** | | | | | |
|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | 60 | 1 | 1,1 | 1,1 | 1,1 |
| 61 | 2 | 2,1 | 2,1 | 3,2 |
| 63 | 2 | 2,1 | 2,1 | 5,3 |
| 64 | 2 | 2,1 | 2,1 | 7,4 |
| 65 | 1 | 1,1 | 1,1 | 8,4 |
| 66 | 1 | 1,1 | 1,1 | 9,5 |
| 68 | 3 | 3,2 | 3,2 | 12,6 |
| 69 | 1 | 1,1 | 1,1 | 13,7 |
| 70 | 1 | 1,1 | 1,1 | 14,7 |
| 71 | 1 | 1,1 | 1,1 | 15,8 |
| 72 | 3 | 3,2 | 3,2 | 18,9 |
| 73 | 4 | 4,2 | 4,2 | 23,2 |
| 74 | 3 | 3,2 | 3,2 | 26,3 |
| 75 | 1 | 1,1 | 1,1 | 27,4 |
| 76 | 4 | 4,2 | 4,2 | 31,6 |
| 77 | 4 | 4,2 | 4,2 | 35,8 |
| 78 | 6 | 6,3 | 6,3 | 42,1 |
| 79 | 1 | 1,1 | 1,1 | 43,2 |
| 81 | 9 | 9,5 | 9,5 | 52,6 |
| 82 | 2 | 2,1 | 2,1 | 54,7 |
| 83 | 6 | 6,3 | 6,3 | 61,1 |
| 84 | 4 | 4,2 | 4,2 | 65,3 |
| 85 | 4 | 4,2 | 4,2 | 69,5 |
| 86 | 4 | 4,2 | 4,2 | 73,7 |
| 87 | 1 | 1,1 | 1,1 | 74,7 |
| 88 | 2 | 2,1 | 2,1 | 76,8 |
| 89 | 2 | 2,1 | 2,1 | 78,9 |
| 90 | 3 | 3,2 | 3,2 | 82,1 |
| 91 | 2 | 2,1 | 2,1 | 84,2 |
| 92 | 2 | 2,1 | 2,1 | 86,3 |
| 93 | 3 | 3,2 | 3,2 | 89,5 |
| 94 | 2 | 2,1 | 2,1 | 91,6 |
| 95 | 2 | 2,1 | 2,1 | 93,7 |
| 96 | 3 | 3,2 | 3,2 | 96,8 |
| 97 | 1 | 1,1 | 1,1 | 97,9 |
| 100 | 2 | 2,1 | 2,1 | 100,0 |
| Total | 95 | 100,0 | 100,0 |  |

1. **Hasil Belajar Matematika**

|  |  |  |
| --- | --- | --- |
| **Statistics** | | |
| hasil | | |
| N | Valid | 95 |
| Missing | 0 |
| Mean | | 85,25 |
| Median | | 85,00 |
| Mode | | 76 |
| Std. Deviation | | 6,711 |
| Minimum | | 75 |
| Maximum | | 98 |
| Sum | | 8099 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **hasil** | | | | | |
|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | 75 | 4 | 4,2 | 4,2 | 4,2 |
| 76 | 10 | 10,5 | 10,5 | 14,7 |
| 77 | 2 | 2,1 | 2,1 | 16,8 |
| 78 | 1 | 1,1 | 1,1 | 17,9 |
| 79 | 3 | 3,2 | 3,2 | 21,1 |
| 80 | 7 | 7,4 | 7,4 | 28,4 |
| 81 | 7 | 7,4 | 7,4 | 35,8 |
| 82 | 3 | 3,2 | 3,2 | 38,9 |
| 83 | 4 | 4,2 | 4,2 | 43,2 |
| 84 | 4 | 4,2 | 4,2 | 47,4 |
| 85 | 6 | 6,3 | 6,3 | 53,7 |
| 86 | 7 | 7,4 | 7,4 | 61,1 |
| 87 | 2 | 2,1 | 2,1 | 63,2 |
| 88 | 3 | 3,2 | 3,2 | 66,3 |
| 89 | 4 | 4,2 | 4,2 | 70,5 |
| 90 | 4 | 4,2 | 4,2 | 74,7 |
| 91 | 2 | 2,1 | 2,1 | 76,8 |
| 92 | 7 | 7,4 | 7,4 | 84,2 |
| 93 | 1 | 1,1 | 1,1 | 85,3 |
| 94 | 3 | 3,2 | 3,2 | 88,4 |
| 95 | 3 | 3,2 | 3,2 | 91,6 |
| 96 | 3 | 3,2 | 3,2 | 94,7 |
| 97 | 1 | 1,1 | 1,1 | 95,8 |
| 98 | 4 | 4,2 | 4,2 | 100,0 |
| Total | 95 | 100,0 | 100,0 |  |

**LAMPIRAN 13**

**OUTPUT HASIL**

**UJI REGRESI LINEAR BERGANDA**

|  |  |  |  |
| --- | --- | --- | --- |
| **Descriptive Statistics** | | | |
|  | Mean | Std. Deviation | N |
| hasil | 85,25 | 6,711 | 95 |
| motivasi | 63,88 | 8,554 | 95 |
| keaktifan | 80,79 | 9,625 | 95 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Correlations** | | | | |
|  | | hasil | motivasi | keaktifan |
| Pearson Correlation | hasil | 1,000 | ,575 | ,535 |
| motivasi | ,575 | 1,000 | ,642 |
| keaktifan | ,535 | ,642 | 1,000 |
| Sig. (1-tailed) | hasil | . | ,000 | ,000 |
| motivasi | ,000 | . | ,000 |
| keaktifan | ,000 | ,000 | . |
| N | hasil | 95 | 95 | 95 |
| motivasi | 95 | 95 | 95 |
| keaktifan | 95 | 95 | 95 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Variables Entered/Removeda** | | | |
| Model | Variables Entered | Variables Removed | Method |
| 1 | keaktifan, motivasib | . | Enter |
| a. Dependent Variable: hasil | | | |
| b. All requested variables entered. | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Model Summaryb** | | | | | |
| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate | Durbin-Watson |
| 1 | ,614a | ,377 | ,363 | 5,355 | 1,436 |
| a. Predictors: (Constant), keaktifan, motivasi | | | | | |
| b. Dependent Variable: hasil | | | | | |

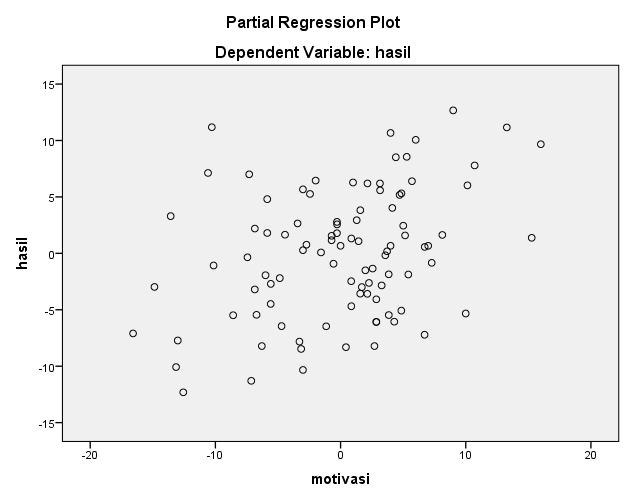
|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ANOVAa** | | | | | | |
| Model | | Sum of Squares | df | Mean Square | F | Sig. |
| 1 | Regression | 1596,175 | 2 | 798,088 | 27,836 | ,000b |
| Residual | 2637,762 | 92 | 28,671 |  |  |
| Total | 4233,937 | 94 |  |  |  |
| a. Dependent Variable: hasil | | | | | | |
| b. Predictors: (Constant), keaktifan, motivasi | | | | | | |

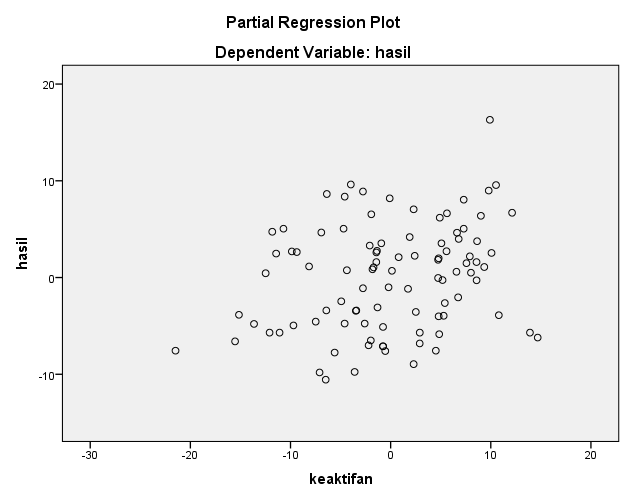
|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Coefficientsa** | | | | | | |
| Model | | Unstandardized Coefficients | | Standardized Coefficients | t | Sig. |
| B | Std. Error | Beta |
| 1 | (Constant) | 49,642 | 4,902 |  | 10,126 | ,000 |
| motivasi | ,309 | ,084 | ,394 | 3,670 | ,000 |
| keaktifan | ,196 | ,075 | ,282 | 2,623 | ,010 |
| a. Dependent Variable: hasil | | | | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Casewise Diagnosticsa** | | | | |
| Case Number | Std. Residual | hasil | Predicted Value | Residual |
| 1 | -1,271 | 79 | 85,81 | -6,806 |
| 2 | -1,228 | 81 | 87,58 | -6,577 |
| 3 | ,475 | 92 | 89,46 | 2,543 |
| 4 | ,975 | 96 | 90,78 | 5,223 |
| 5 | -,201 | 84 | 85,08 | -1,075 |
| 6 | -,624 | 80 | 83,34 | -3,341 |
| 7 | ,513 | 86 | 83,25 | 2,747 |
| 8 | -1,379 | 83 | 90,38 | -7,384 |
| 9 | -,016 | 86 | 86,09 | -,086 |
| 10 | -,925 | 84 | 88,95 | -4,952 |
| 11 | ,125 | 86 | 85,33 | ,670 |
| 12 | -,569 | 79 | 82,05 | -3,046 |
| 13 | -,181 | 87 | 87,97 | -,970 |
| 14 | -,510 | 81 | 83,73 | -2,730 |
| 15 | -1,300 | 80 | 86,96 | -6,959 |
| 16 | 1,232 | 91 | 84,40 | 6,598 |
| 17 | ,364 | 82 | 80,05 | 1,950 |
| 18 | -,183 | 83 | 83,98 | -,981 |
| 19 | -,282 | 90 | 91,51 | -1,508 |
| 20 | -,720 | 81 | 84,85 | -3,853 |
| 21 | ,540 | 88 | 85,11 | 2,892 |
| 22 | ,385 | 85 | 82,94 | 2,059 |
| 23 | -,691 | 75 | 78,70 | -3,701 |
| 24 | 1,335 | 89 | 81,85 | 7,150 |
| 25 | ,806 | 92 | 87,69 | 4,314 |
| 26 | ,537 | 87 | 84,12 | 2,878 |
| 27 | -,663 | 76 | 79,55 | -3,548 |
| 28 | -1,698 | 80 | 89,09 | -9,090 |
| 29 | -1,573 | 80 | 88,42 | -8,421 |
| 30 | -,515 | 76 | 78,76 | -2,759 |
| 31 | -,395 | 76 | 78,12 | -2,115 |
| 32 | ,695 | 92 | 88,28 | 3,721 |
| 33 | -,932 | 80 | 84,99 | -4,992 |
| 34 | -,657 | 76 | 79,52 | -3,519 |
| 35 | -1,690 | 76 | 85,05 | -9,050 |
| 36 | -,620 | 76 | 79,32 | -3,322 |
| 37 | -,001 | 94 | 94,01 | -,006 |
| 38 | -1,577 | 80 | 88,45 | -8,446 |
| 39 | -1,574 | 76 | 84,43 | -8,428 |
| 40 | -1,171 | 76 | 82,27 | -6,268 |
| 41 | -1,734 | 77 | 86,29 | -9,286 |
| 42 | -1,300 | 80 | 86,96 | -6,959 |
| 43 | -,368 | 76 | 77,97 | -1,970 |
| 44 | -1,243 | 78 | 84,66 | -6,657 |
| 45 | ,712 | 94 | 90,19 | 3,812 |
| 46 | -,630 | 81 | 84,37 | -3,373 |
| 47 | ,882 | 95 | 90,28 | 4,725 |
| 48 | -,577 | 83 | 86,09 | -3,090 |
| 49 | 1,532 | 98 | 89,80 | 8,205 |
| 50 | 1,318 | 95 | 87,94 | 7,056 |
| 51 | 1,033 | 96 | 90,47 | 5,532 |
| 52 | -1,141 | 77 | 83,11 | -6,112 |
| 53 | ,836 | 92 | 87,52 | 4,477 |
| 54 | -1,123 | 76 | 82,01 | -6,013 |
| 55 | 1,292 | 95 | 88,08 | 6,917 |
| 56 | -1,399 | 75 | 82,49 | -7,493 |
| 57 | 1,847 | 98 | 88,11 | 9,888 |
| 58 | 1,942 | 85 | 74,60 | 10,398 |
| 59 | 1,320 | 97 | 89,93 | 7,066 |
| 60 | ,861 | 98 | 93,39 | 4,612 |
| 61 | ,496 | 92 | 89,34 | 2,656 |
| 62 | 1,399 | 89 | 81,51 | 7,492 |
| 63 | 1,115 | 89 | 83,03 | 5,972 |
| 64 | 2,681 | 98 | 83,64 | 14,358 |
| 65 | 1,236 | 92 | 85,38 | 6,616 |
| 66 | 1,762 | 96 | 86,57 | 9,434 |
| 67 | ,331 | 88 | 86,23 | 1,772 |
| 68 | -1,756 | 75 | 84,40 | -9,402 |
| 69 | ,196 | 90 | 88,95 | 1,048 |
| 70 | -,529 | 75 | 77,83 | -2,831 |
| 71 | -,757 | 84 | 88,05 | -4,053 |
| 72 | ,351 | 86 | 84,12 | 1,878 |
| 73 | -,164 | 81 | 81,88 | -,879 |
| 74 | ,169 | 93 | 92,10 | ,903 |
| 75 | -,106 | 86 | 86,57 | -,566 |
| 76 | -,279 | 86 | 87,49 | -1,493 |
| 77 | 1,123 | 85 | 78,98 | 6,016 |
| 78 | ,118 | 92 | 91,37 | ,634 |
| 79 | ,105 | 91 | 90,44 | ,561 |
| 80 | ,226 | 83 | 81,79 | 1,209 |
| 81 | ,301 | 82 | 80,39 | 1,612 |
| 82 | -,129 | 85 | 85,69 | -,693 |
| 83 | ,694 | 85 | 81,29 | 3,714 |
| 84 | ,623 | 94 | 90,66 | 3,336 |
| 85 | -,400 | 81 | 83,14 | -2,141 |
| 86 | 1,730 | 86 | 76,74 | 9,263 |
| 87 | -,240 | 90 | 91,28 | -1,283 |
| 88 | -,926 | 82 | 86,96 | -4,959 |
| 89 | -,793 | 81 | 85,25 | -4,246 |
| 90 | ,675 | 89 | 85,38 | 3,616 |
| 91 | ,565 | 84 | 80,98 | 3,023 |
| 92 | -,140 | 90 | 90,75 | -,748 |
| 93 | ,865 | 88 | 83,37 | 4,634 |
| 94 | ,258 | 85 | 83,62 | 1,383 |
| 95 | ,302 | 79 | 77,38 | 1,620 |
| a. Dependent Variable: hasil | | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Residuals Statisticsa** | | | | | |
|  | Minimum | Maximum | Mean | Std. Deviation | N |
| Predicted Value | 74,60 | 94,01 | 85,25 | 4,121 | 95 |
| Residual | -9,402 | 14,358 | ,000 | 5,297 | 95 |
| Std. Predicted Value | -2,585 | 2,124 | ,000 | 1,000 | 95 |
| Std. Residual | -1,756 | 2,681 | ,000 | ,989 | 95 |
| a. Dependent Variable: hasil | | | | | |

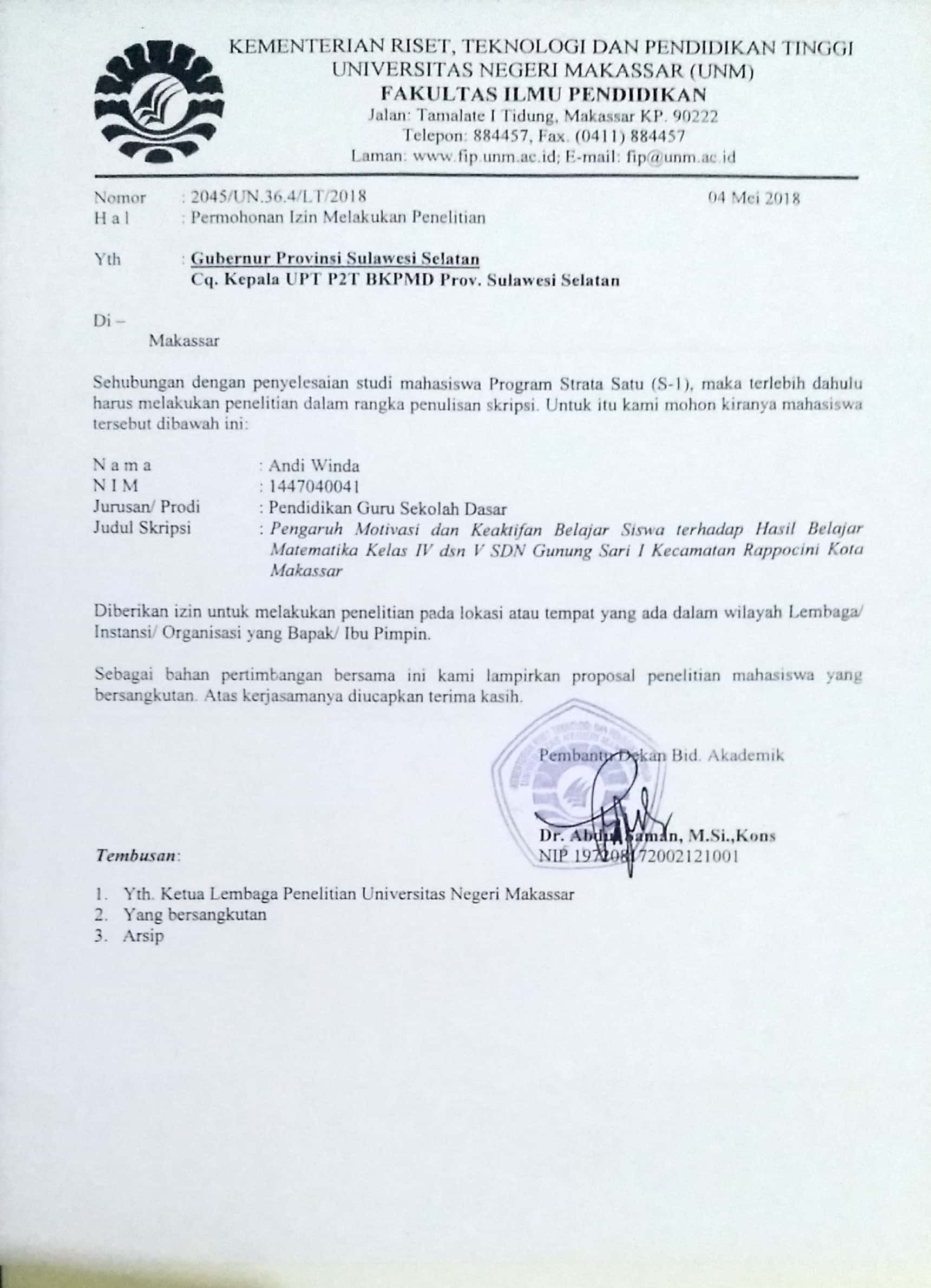
**Charts**





**LAMPIRAN 14**

**PERSURATAN**

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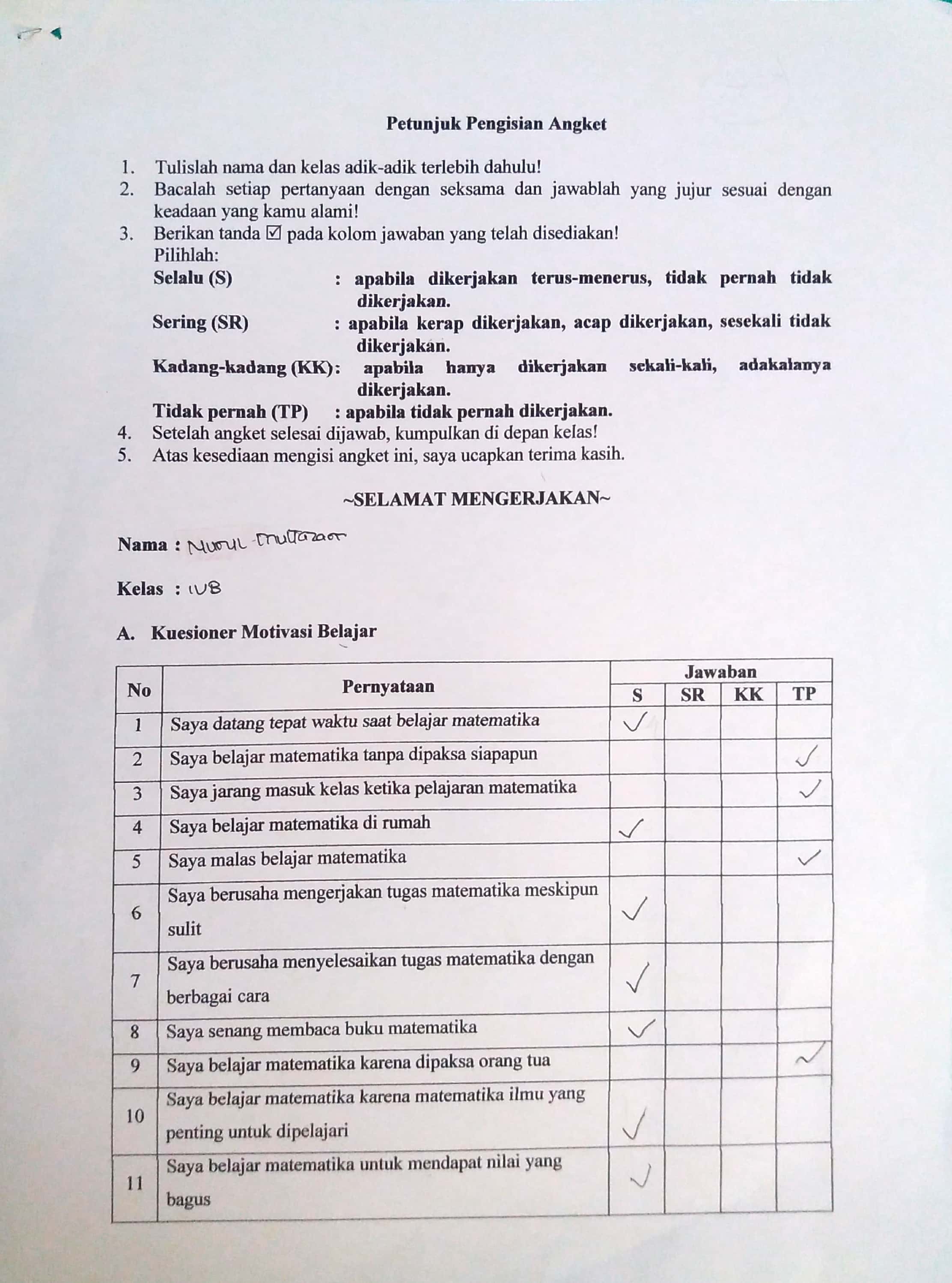
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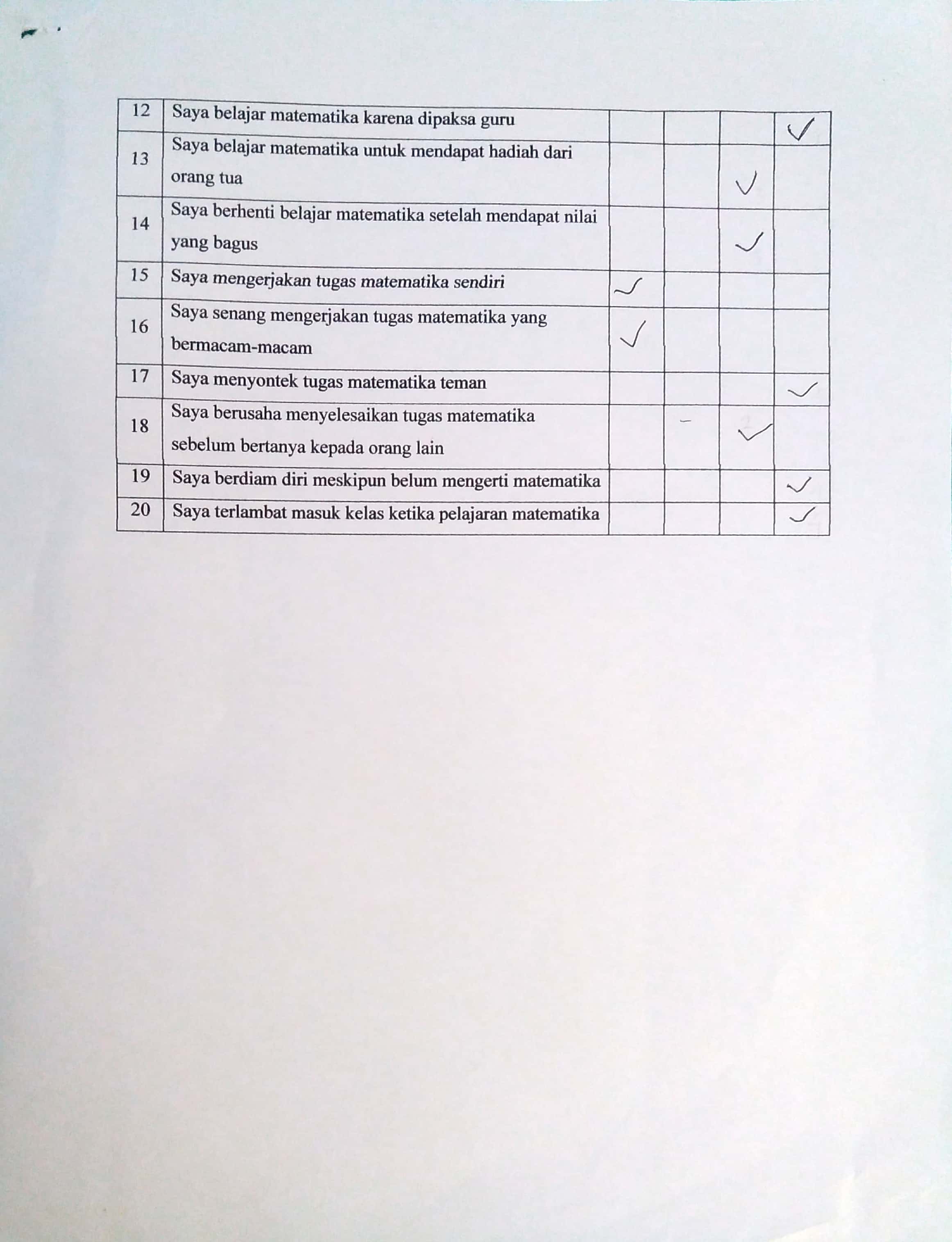
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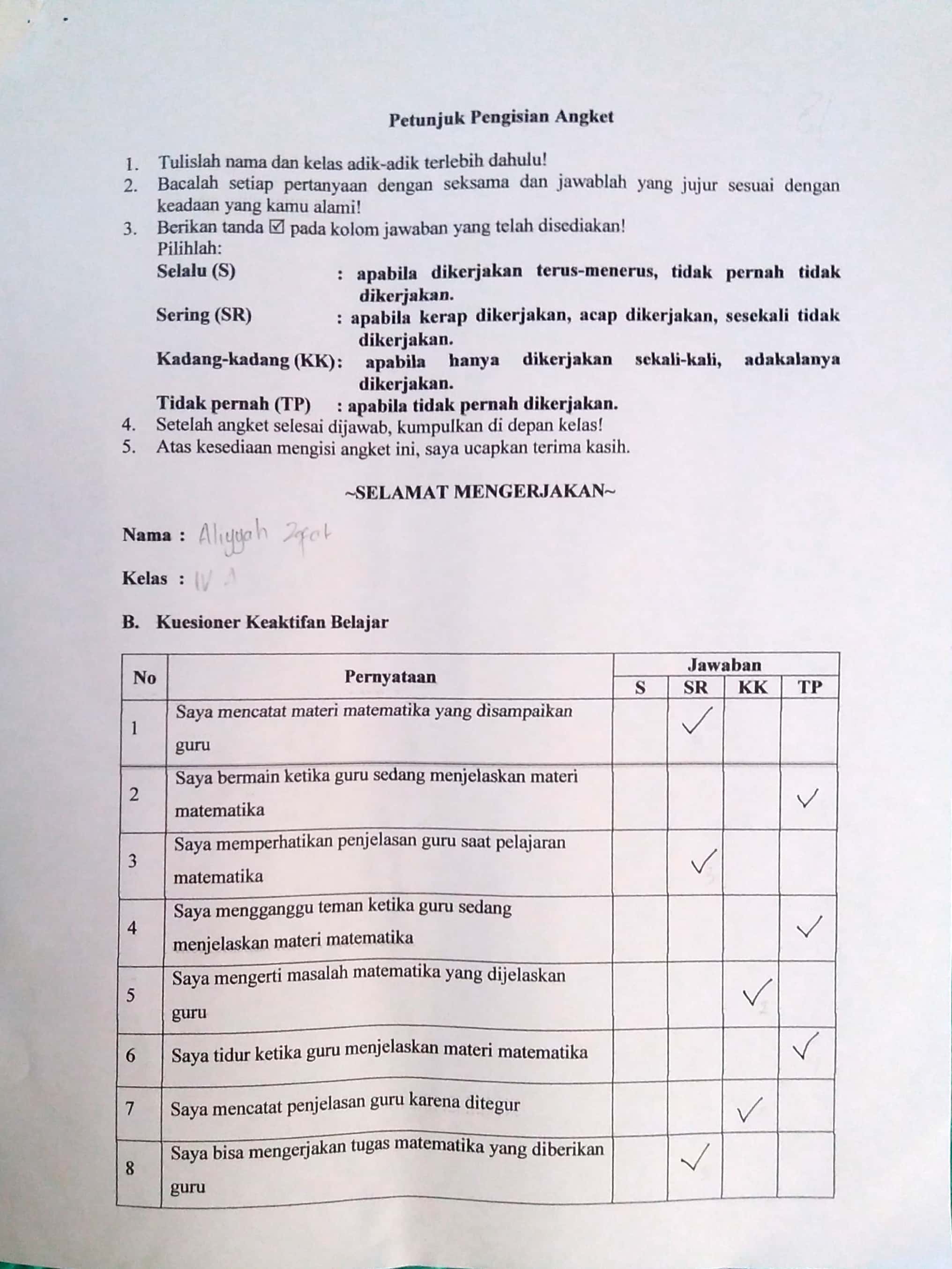
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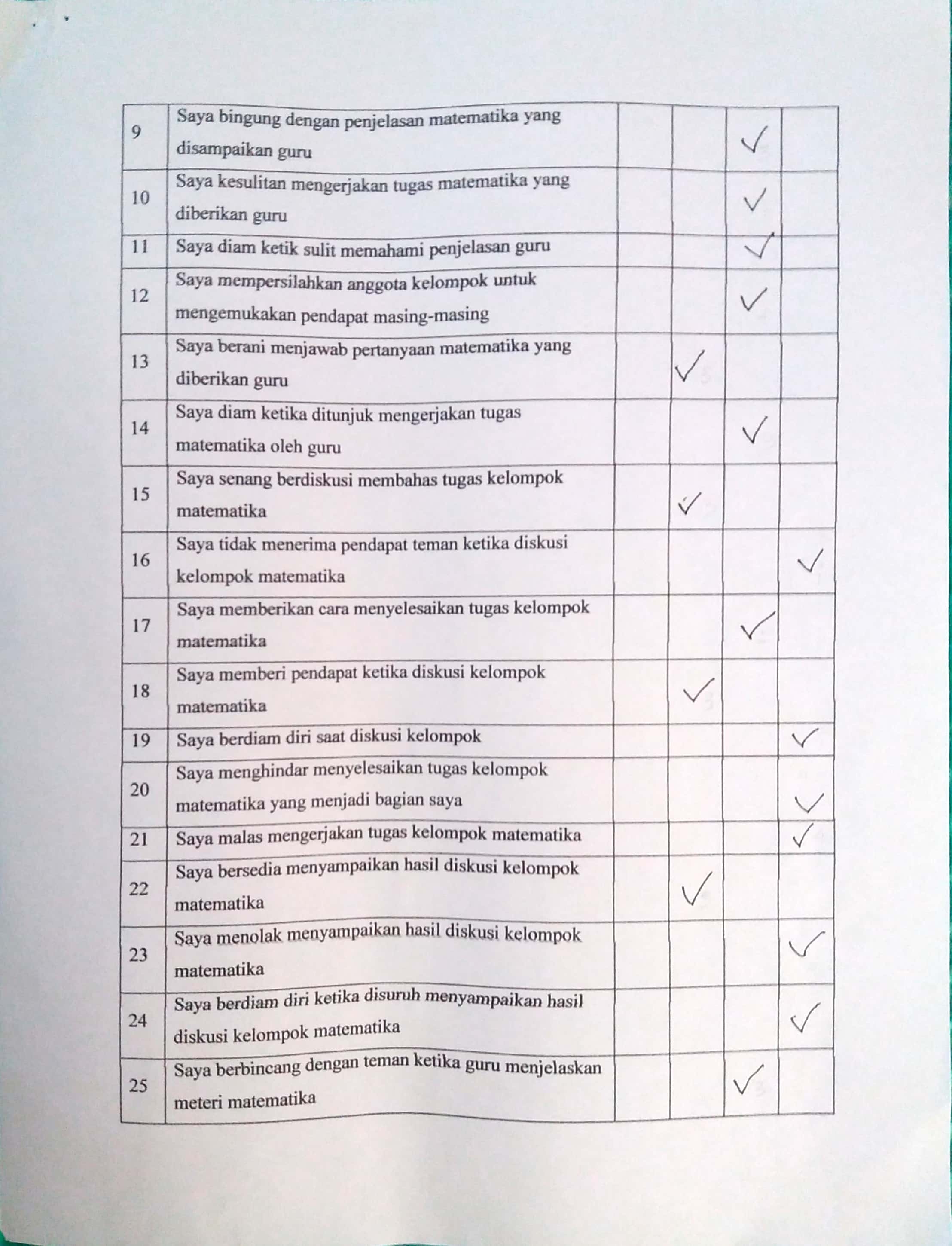
**LAMPIRAN 15**

**ANGKET PENGERJAAN SISWA**

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**LAMPIRAN 16**

**DOKUMENTASI KEGIATAN**

