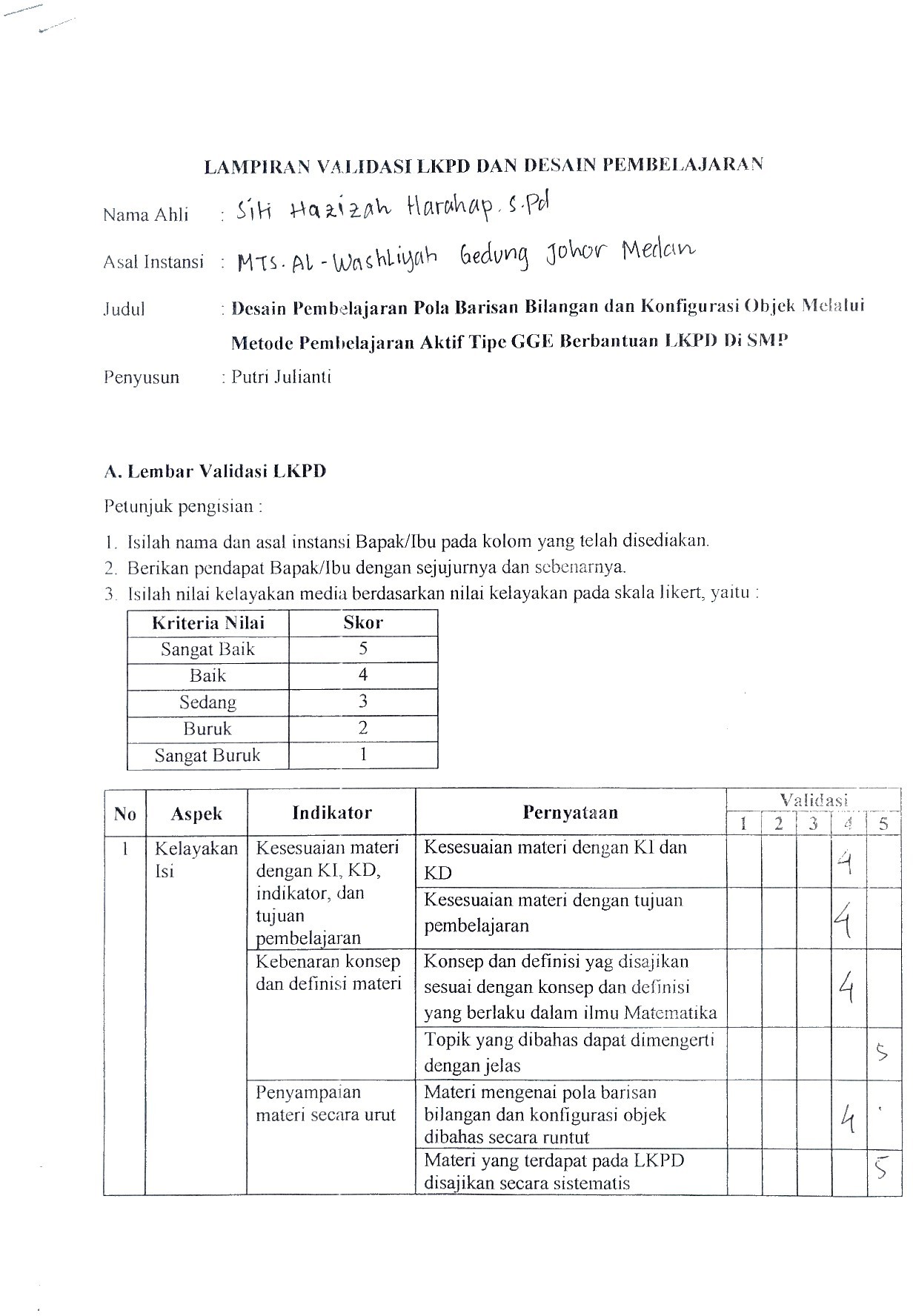
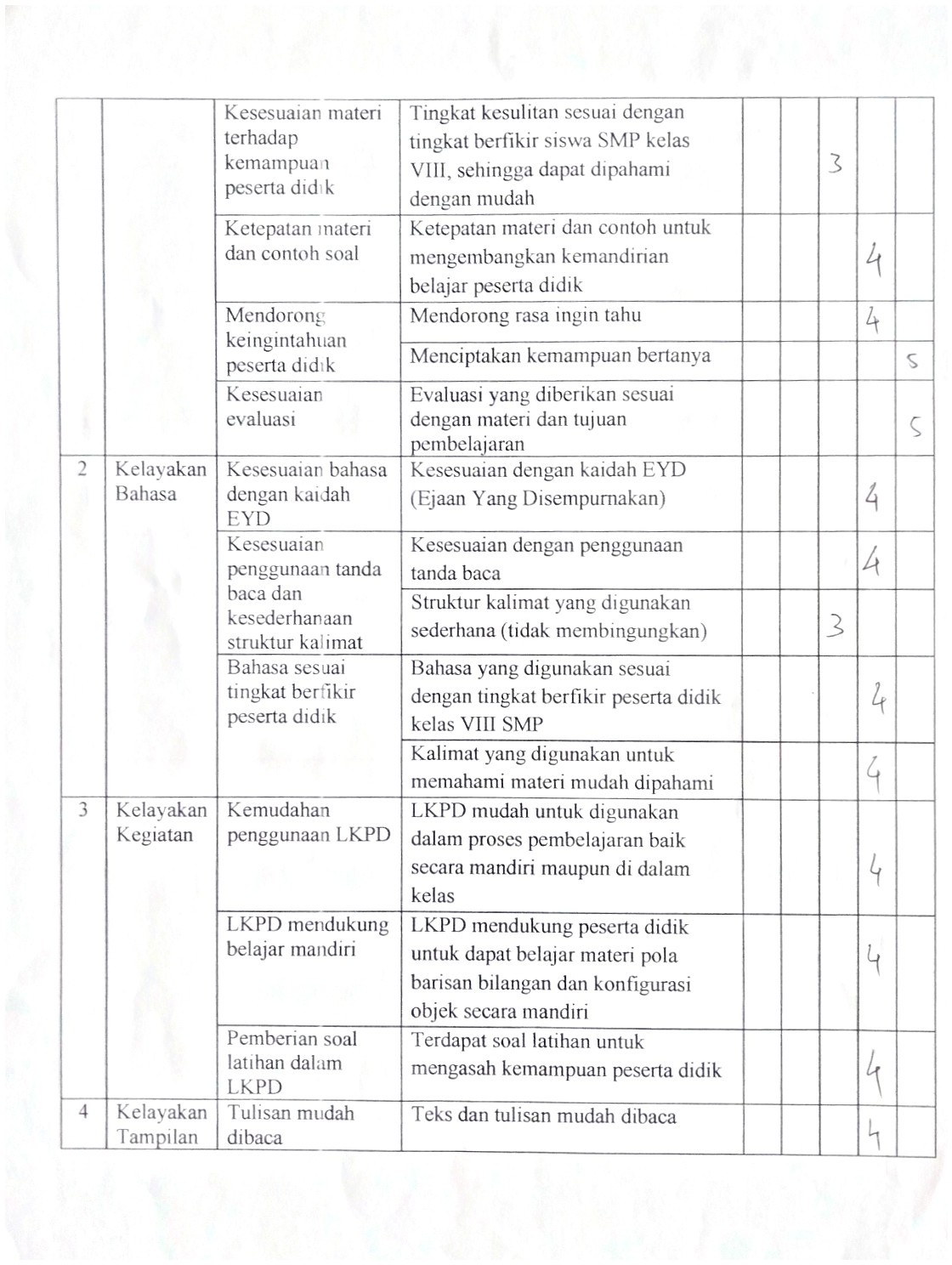
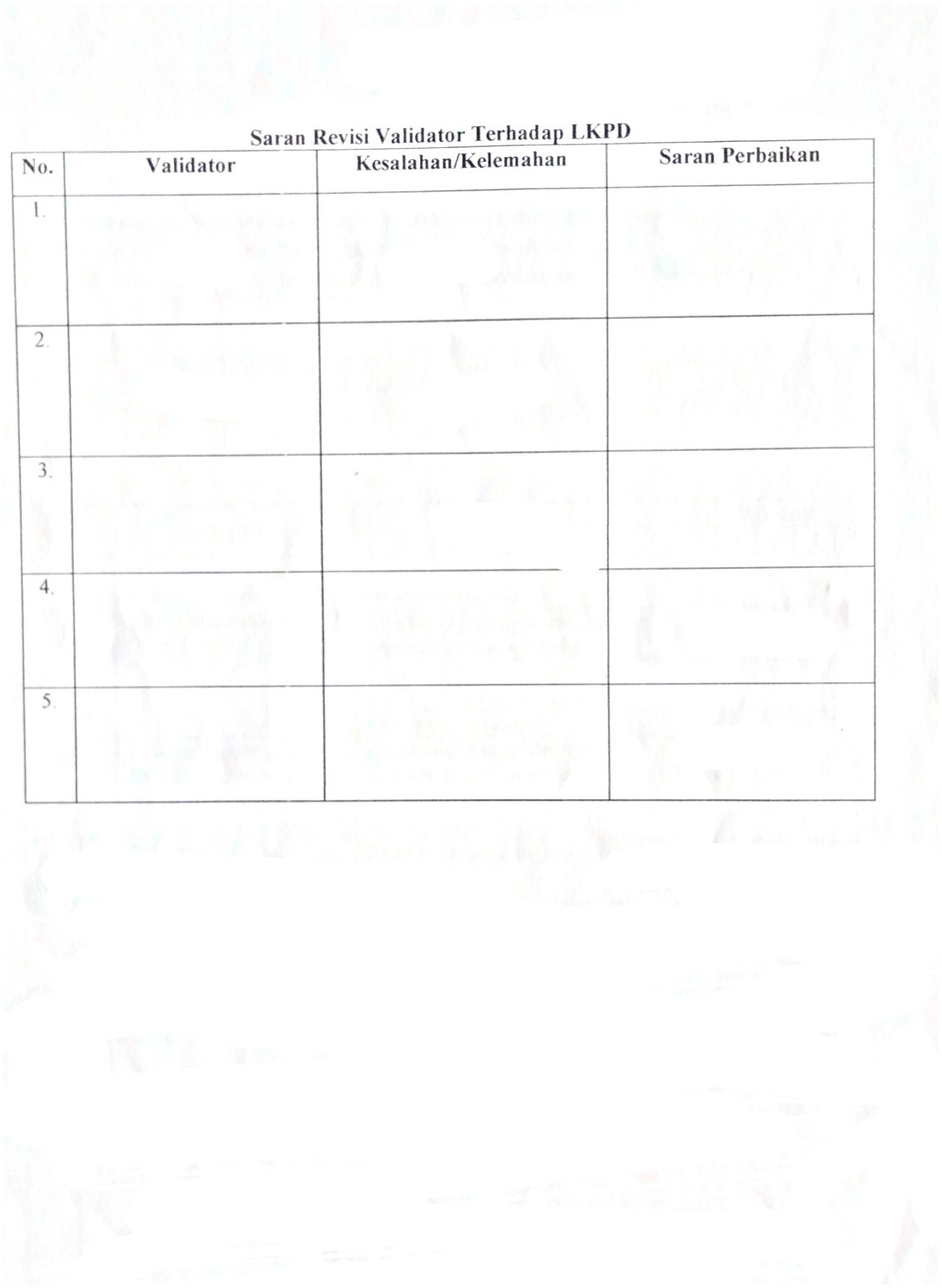
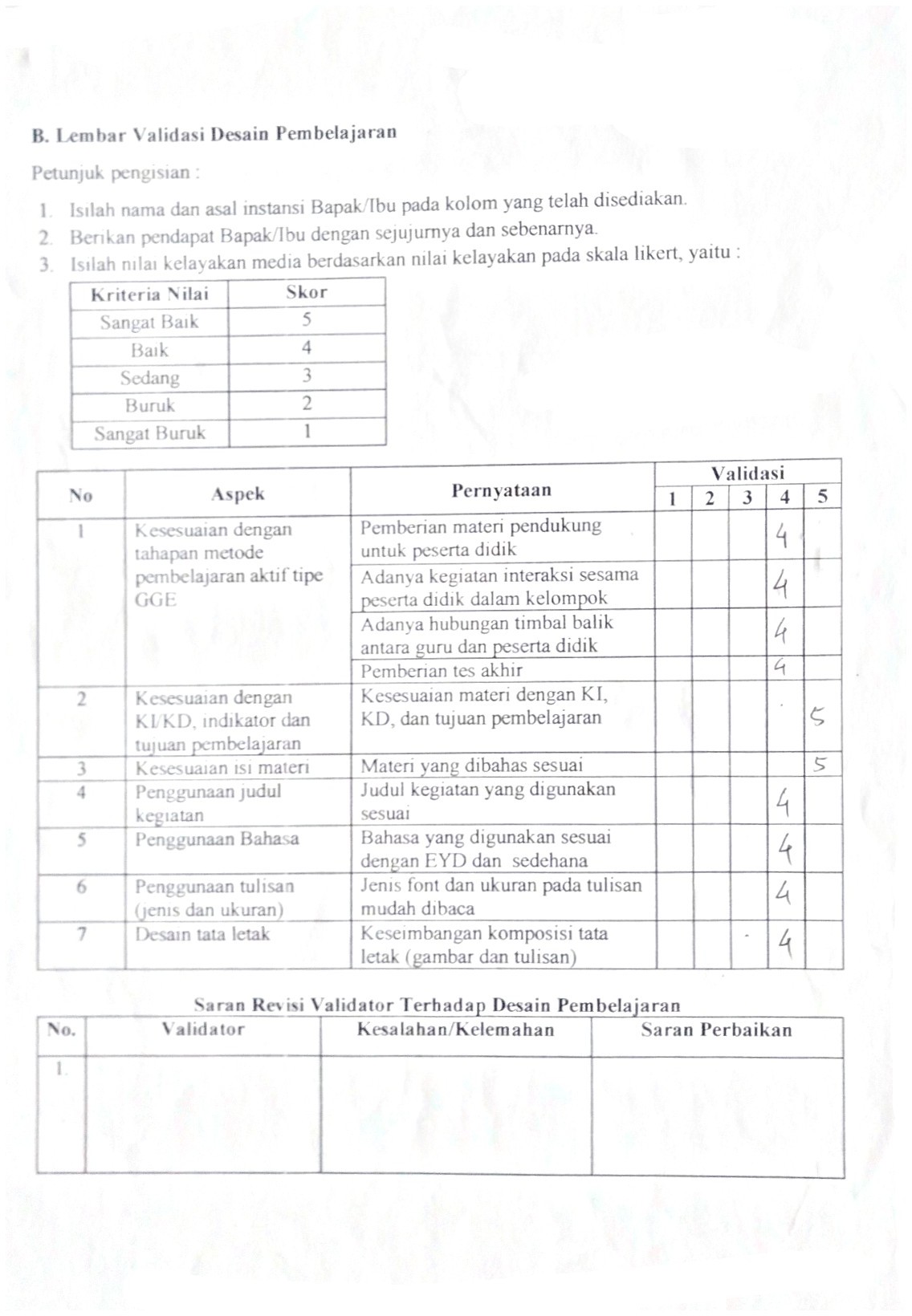
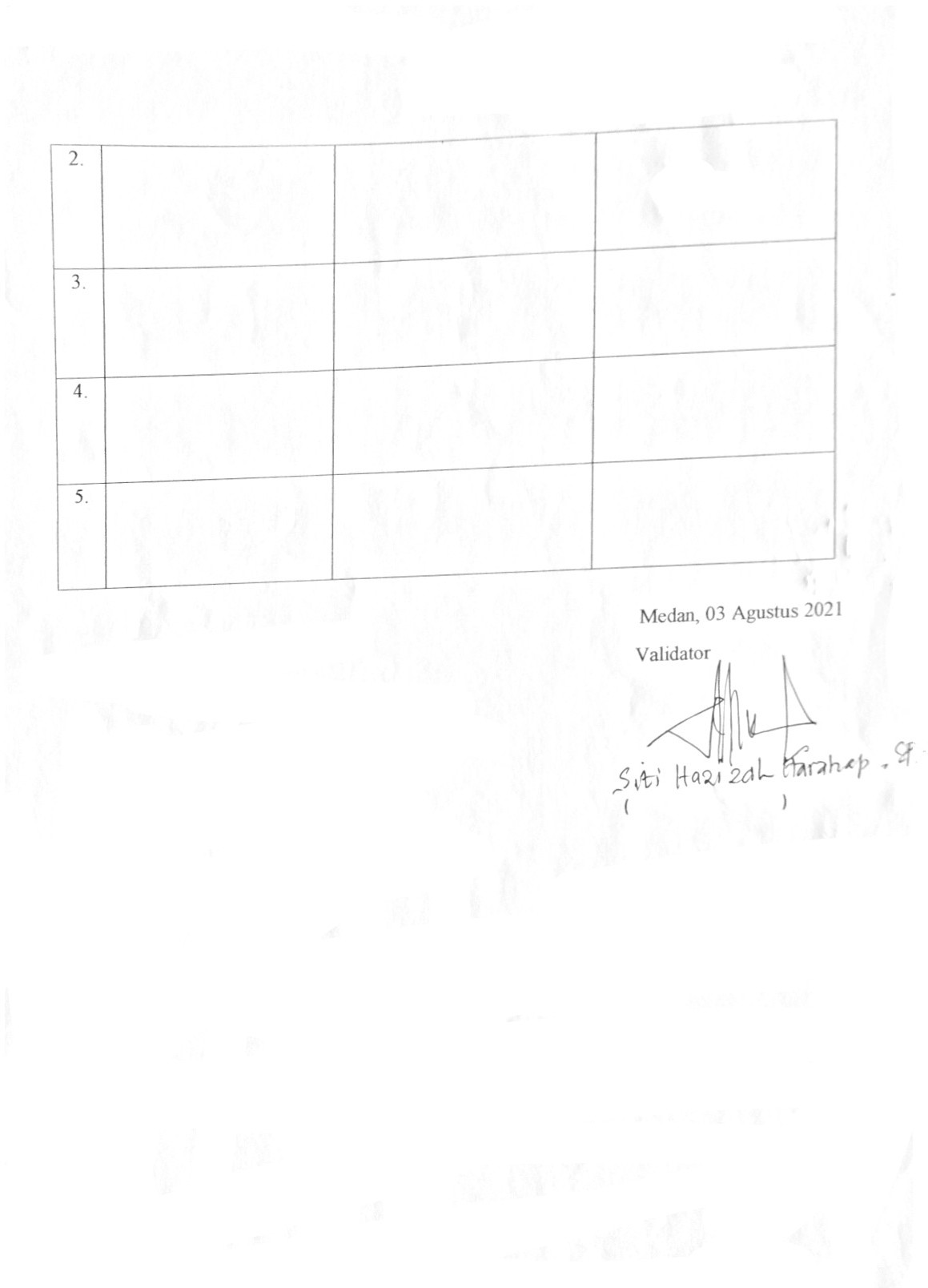
**Lampiran 1 Lembar Validasi Ahli LKPD dan Desain Pembelajaran**



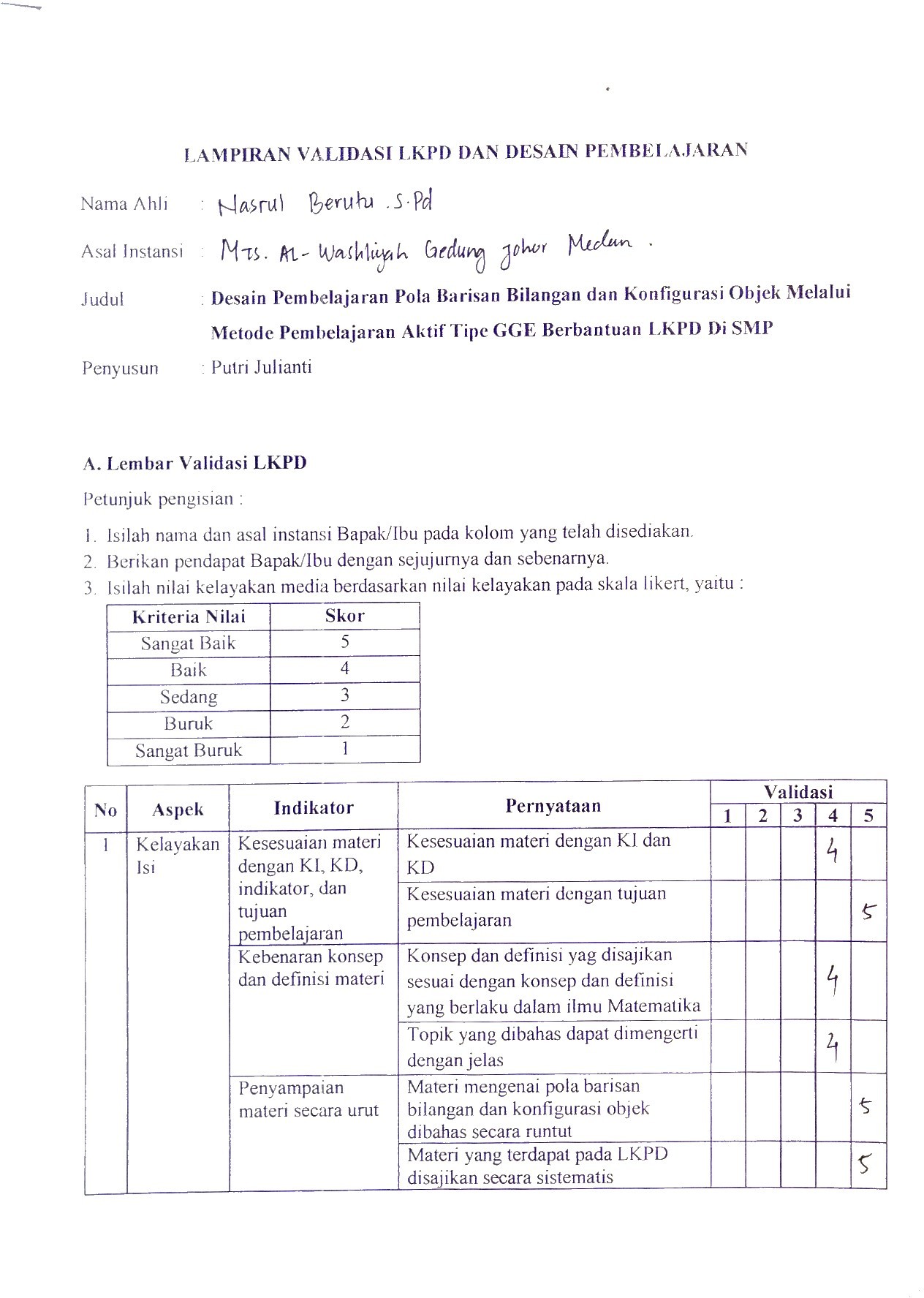


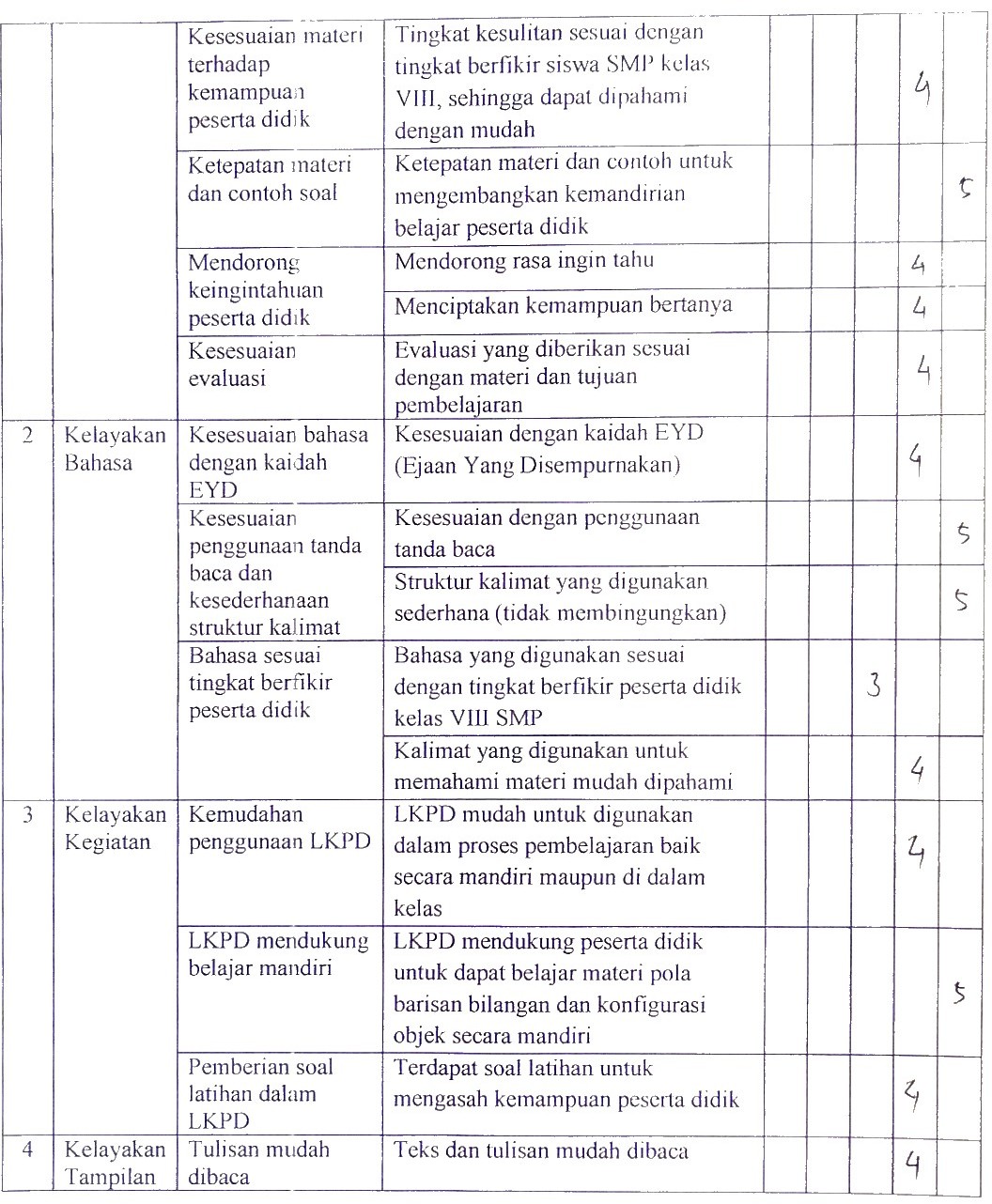


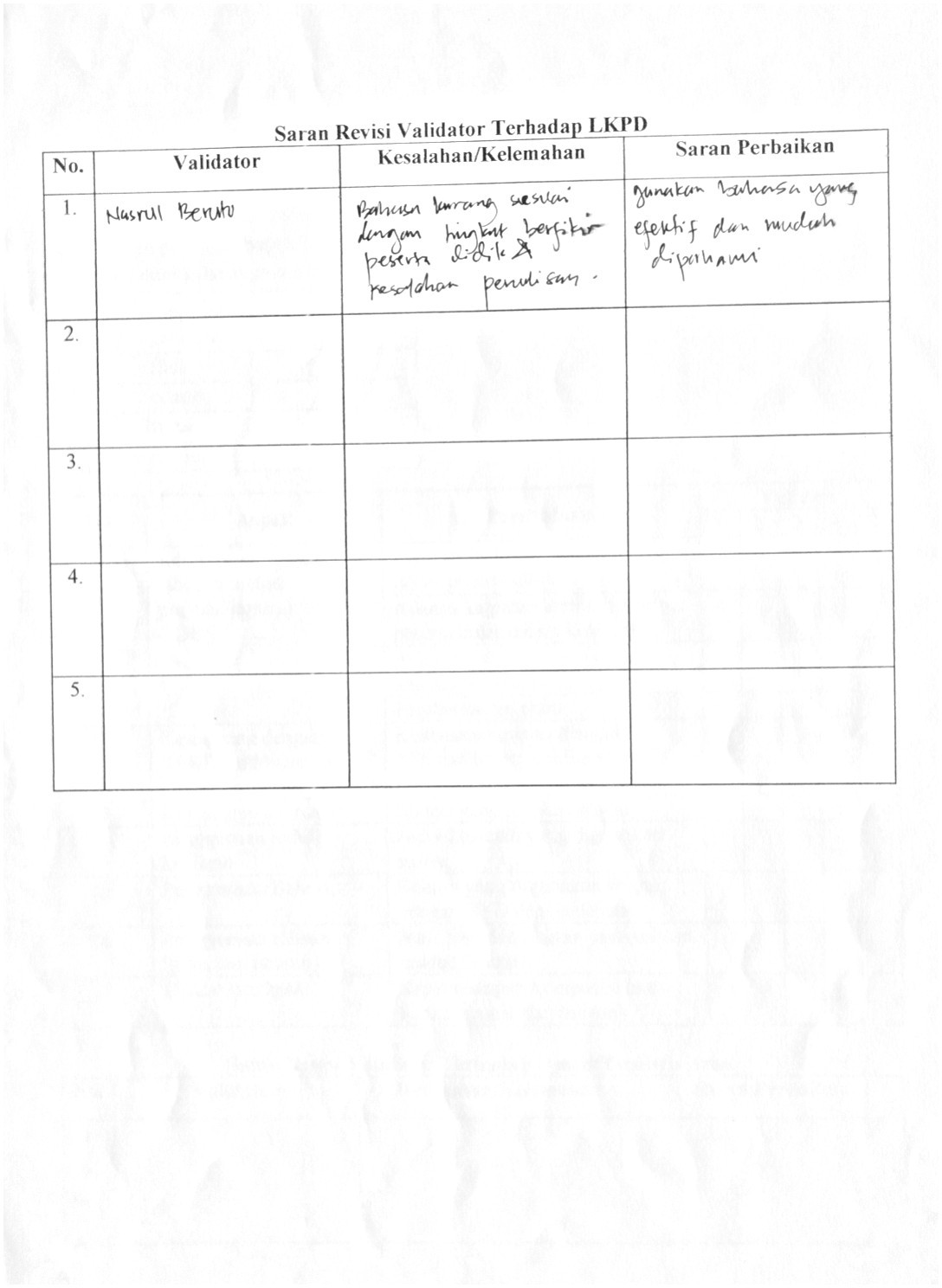


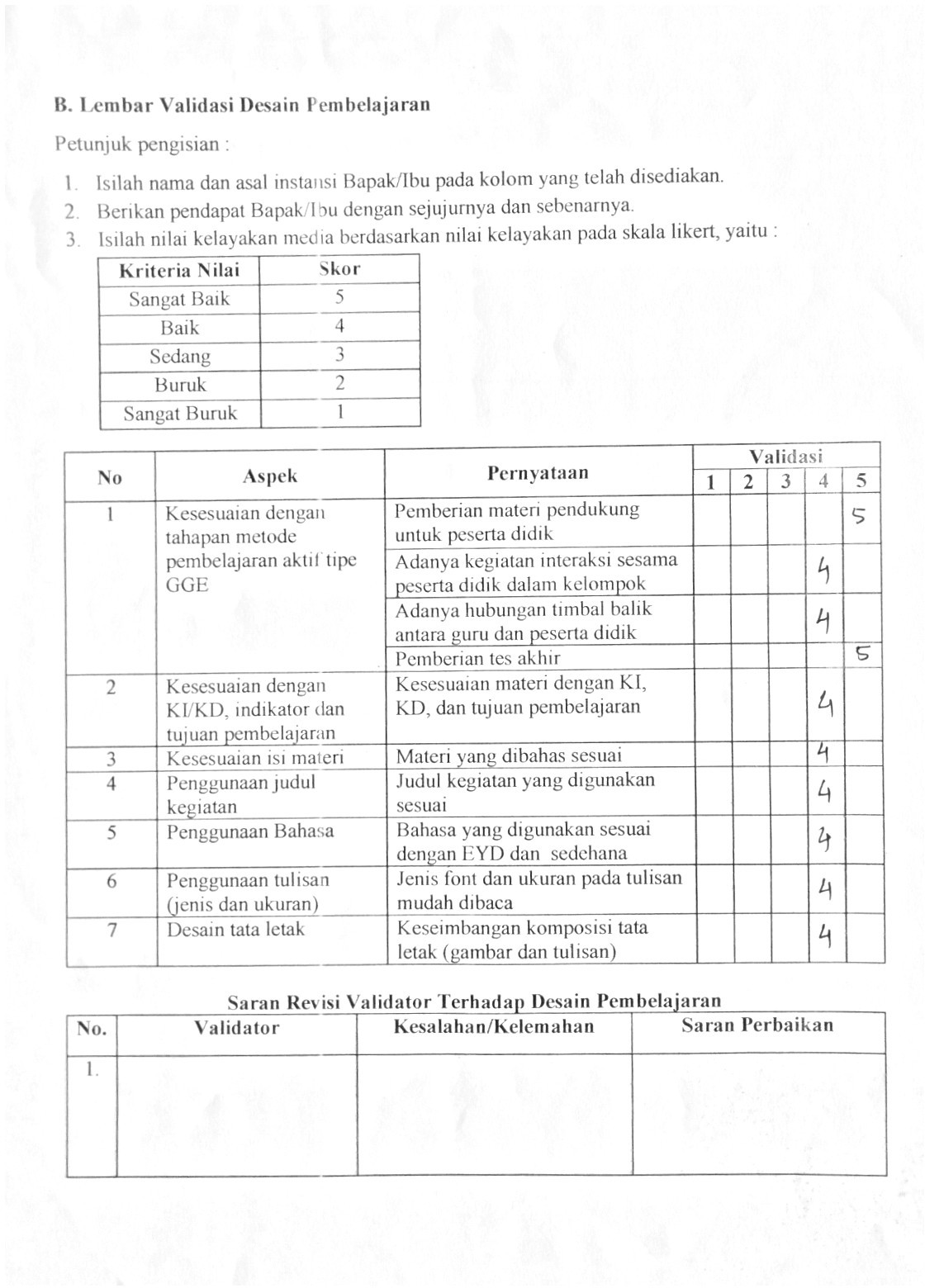


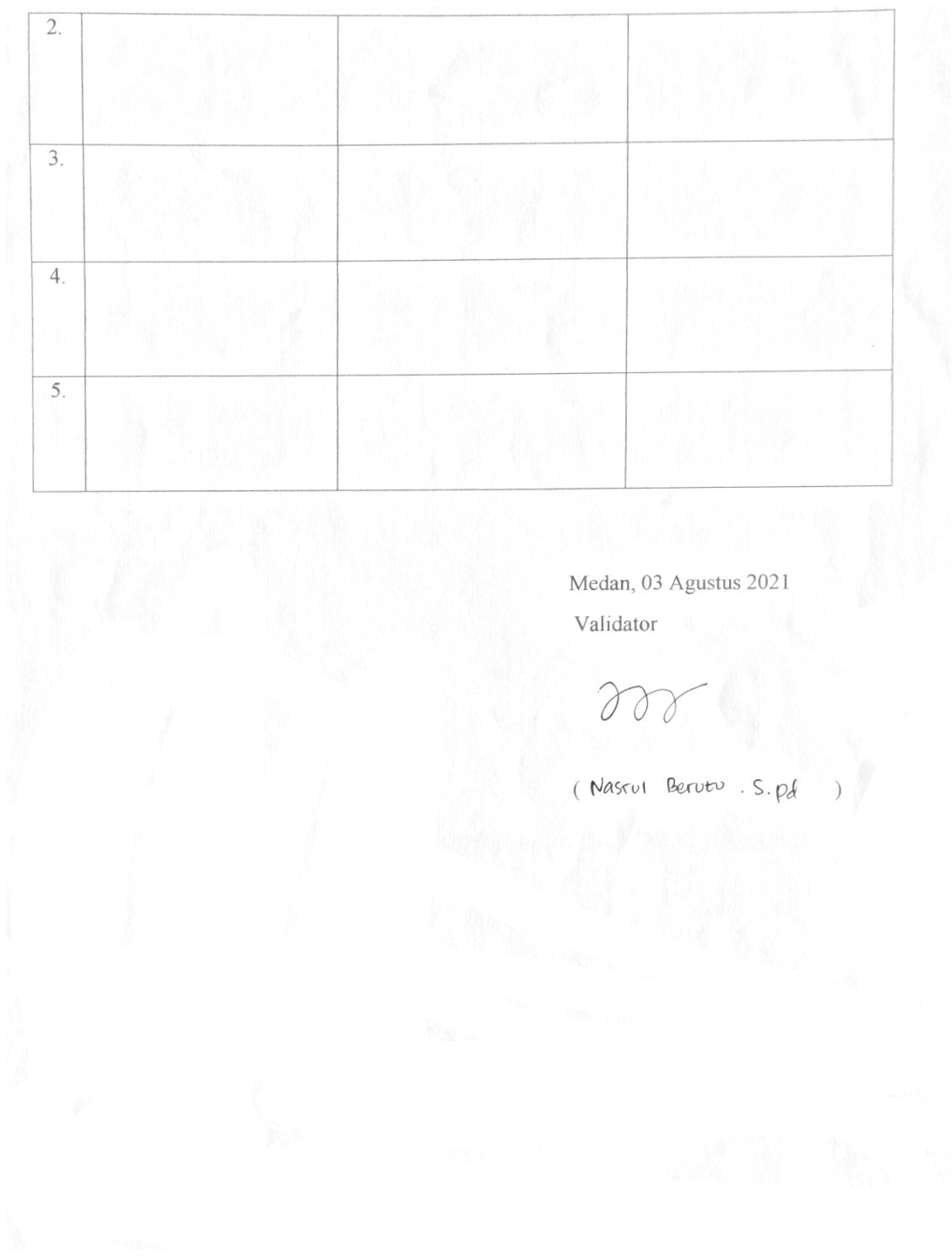
**Lampiran 2 Lembar Validasi Ahli LKPD dan Desain Pembelajaran**



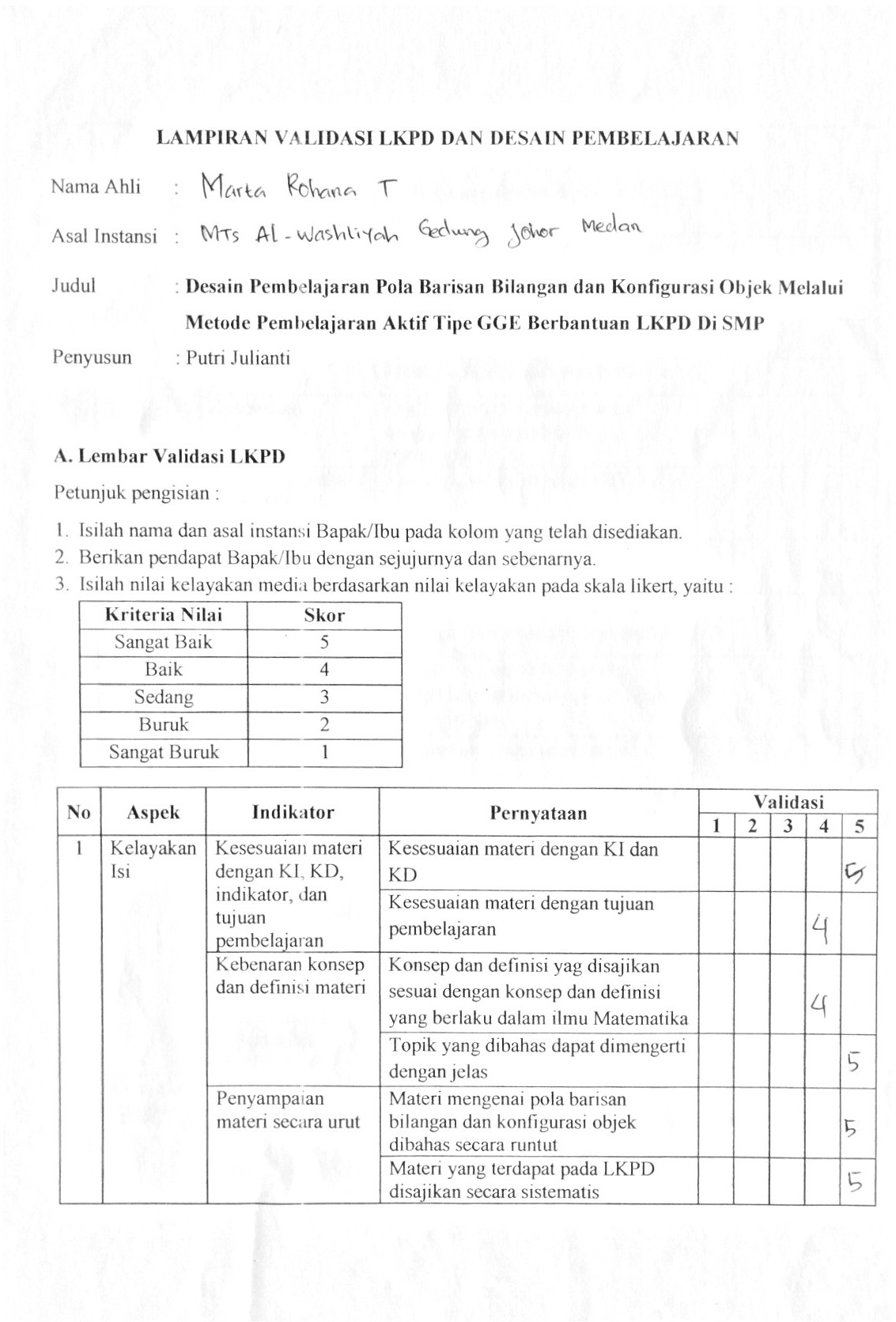


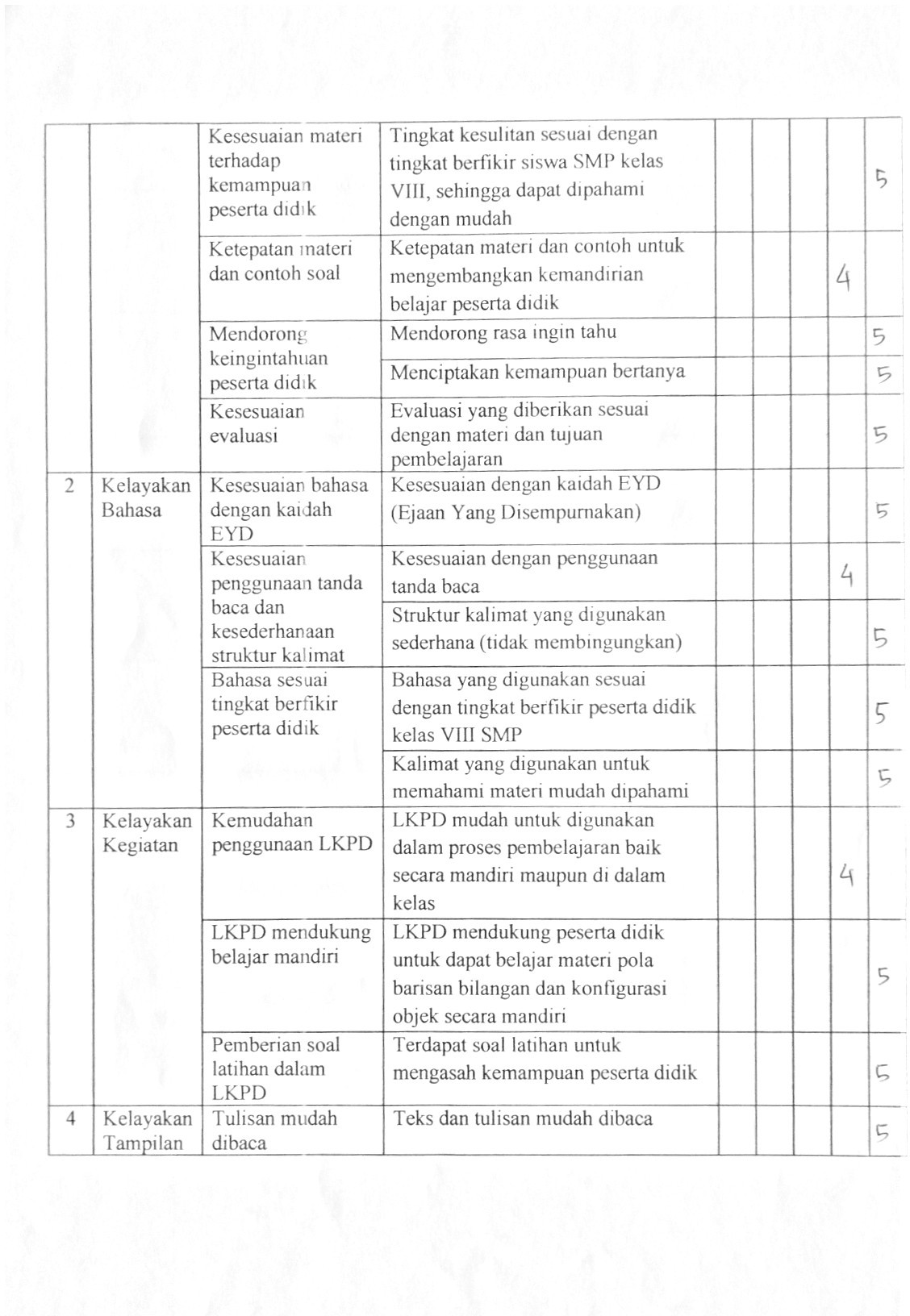


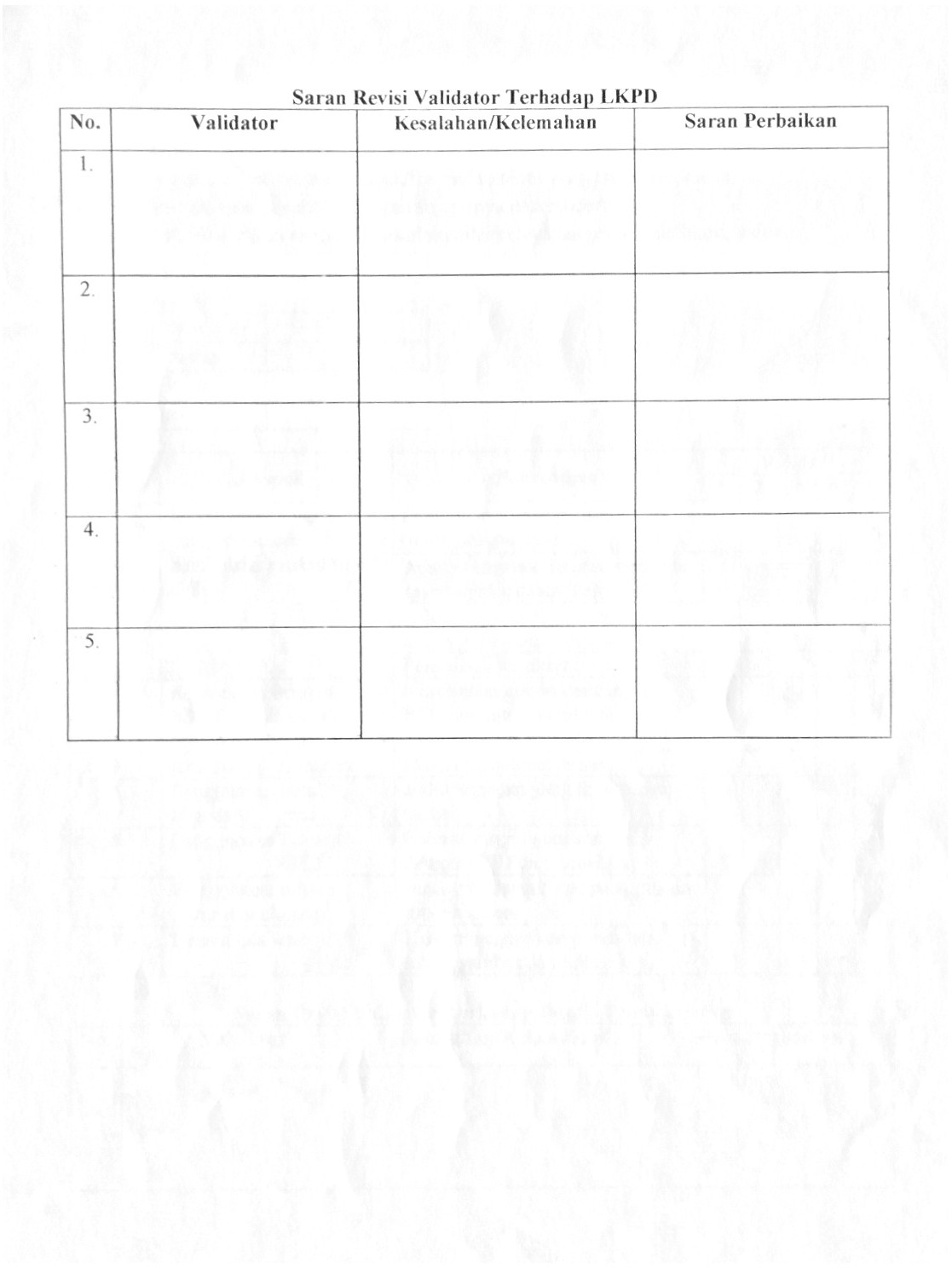


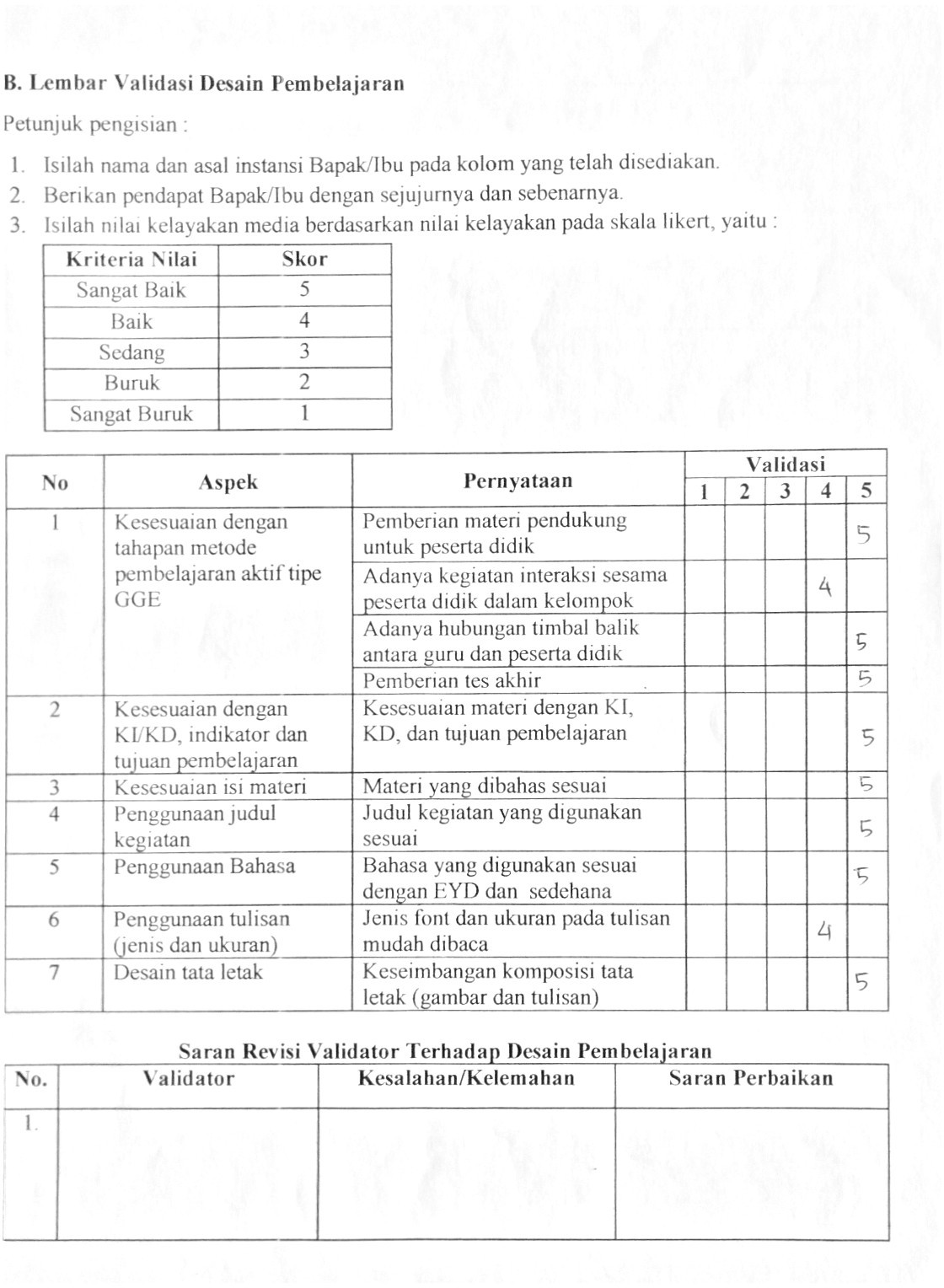


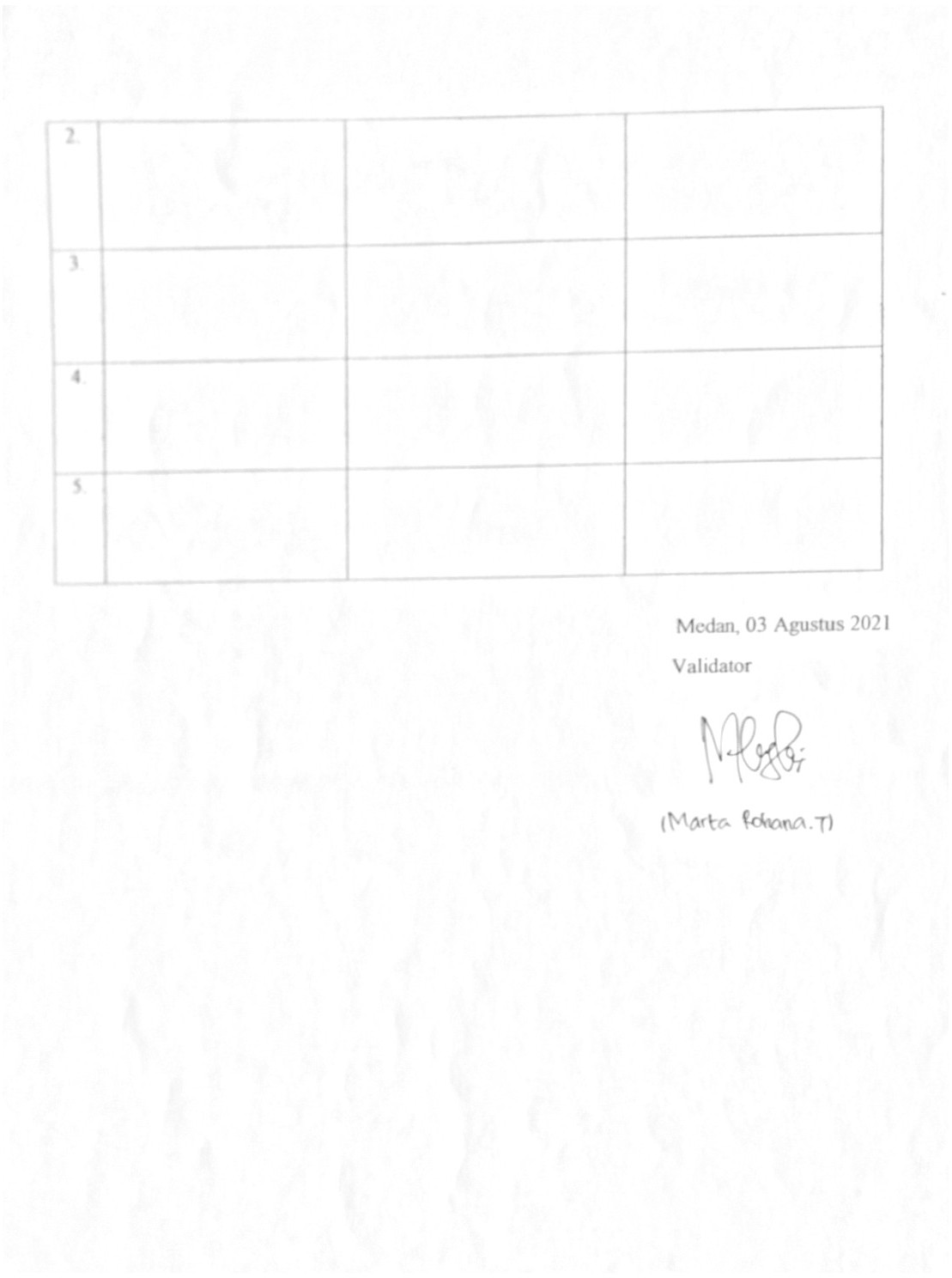
**Lampiran 3 Lembar Validasi Ahli LKPD dan Desain Pembelajaran**



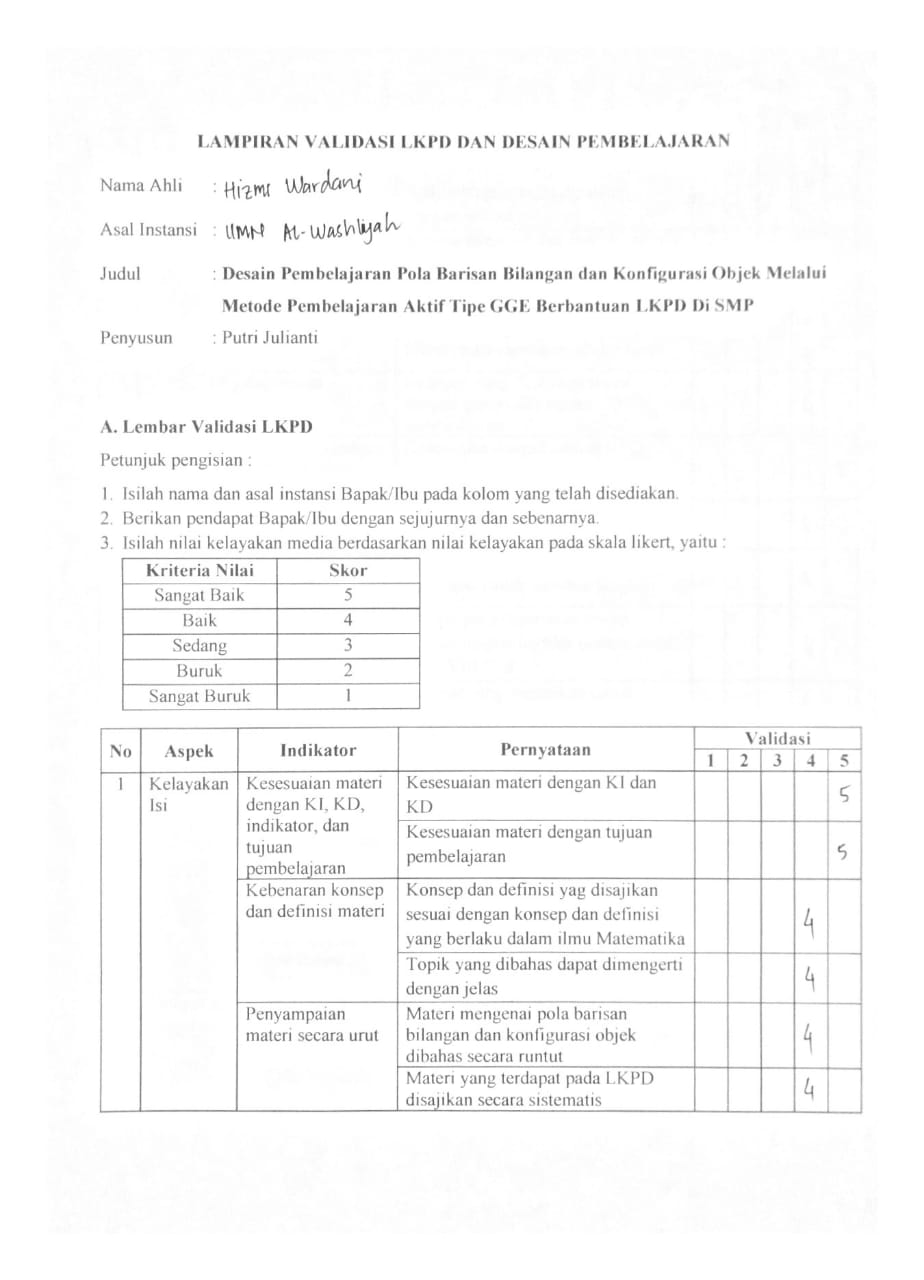


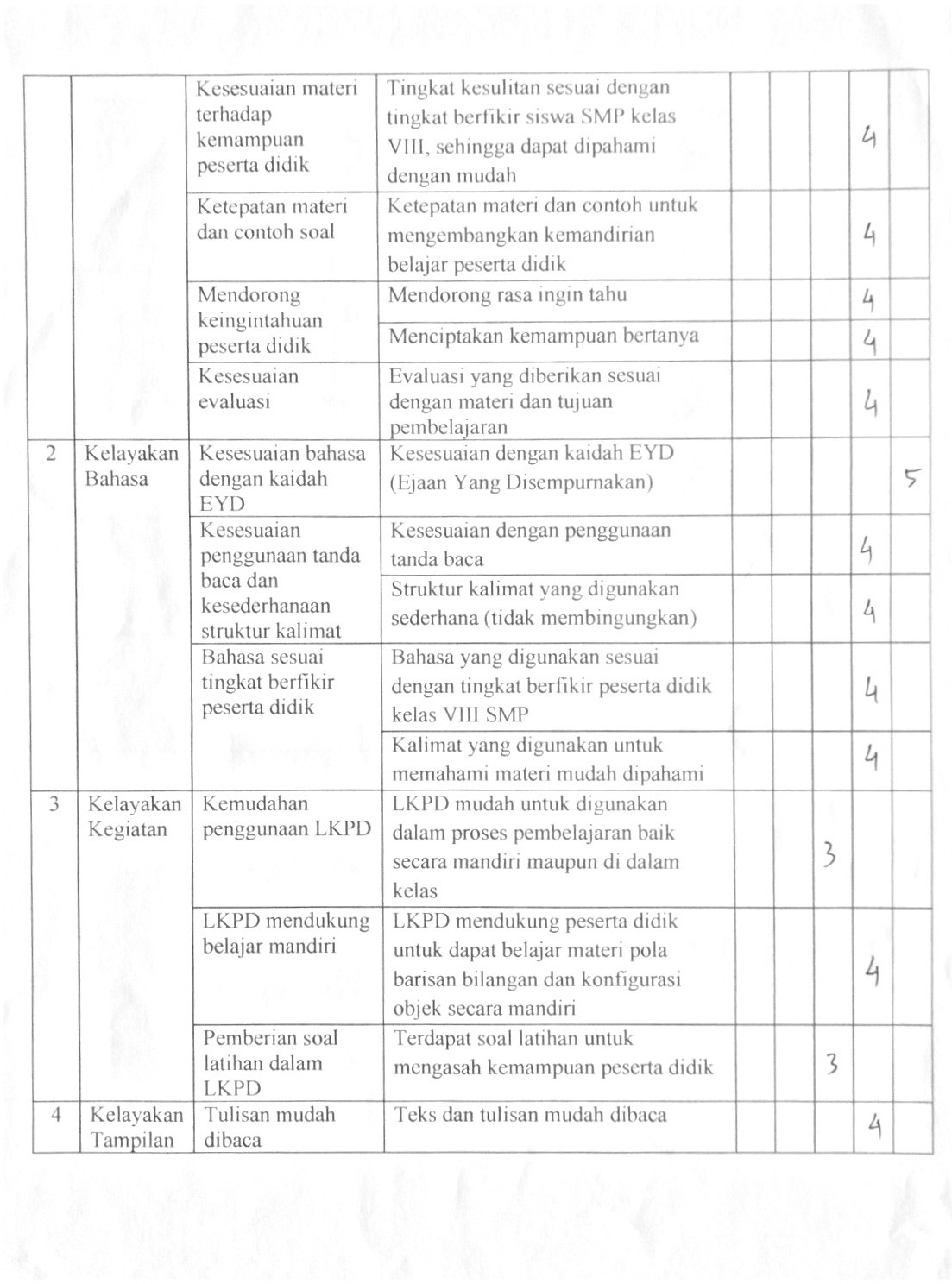


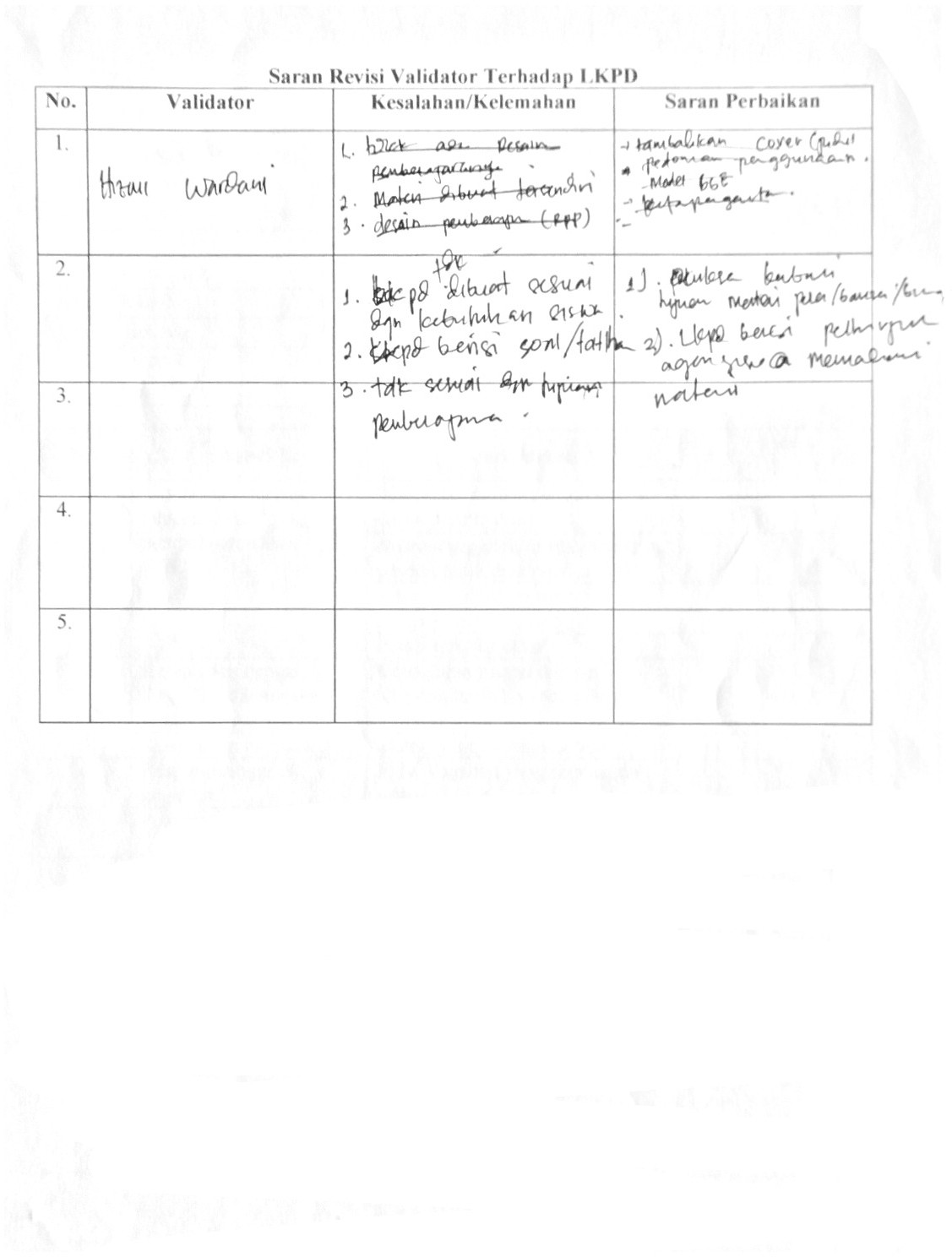


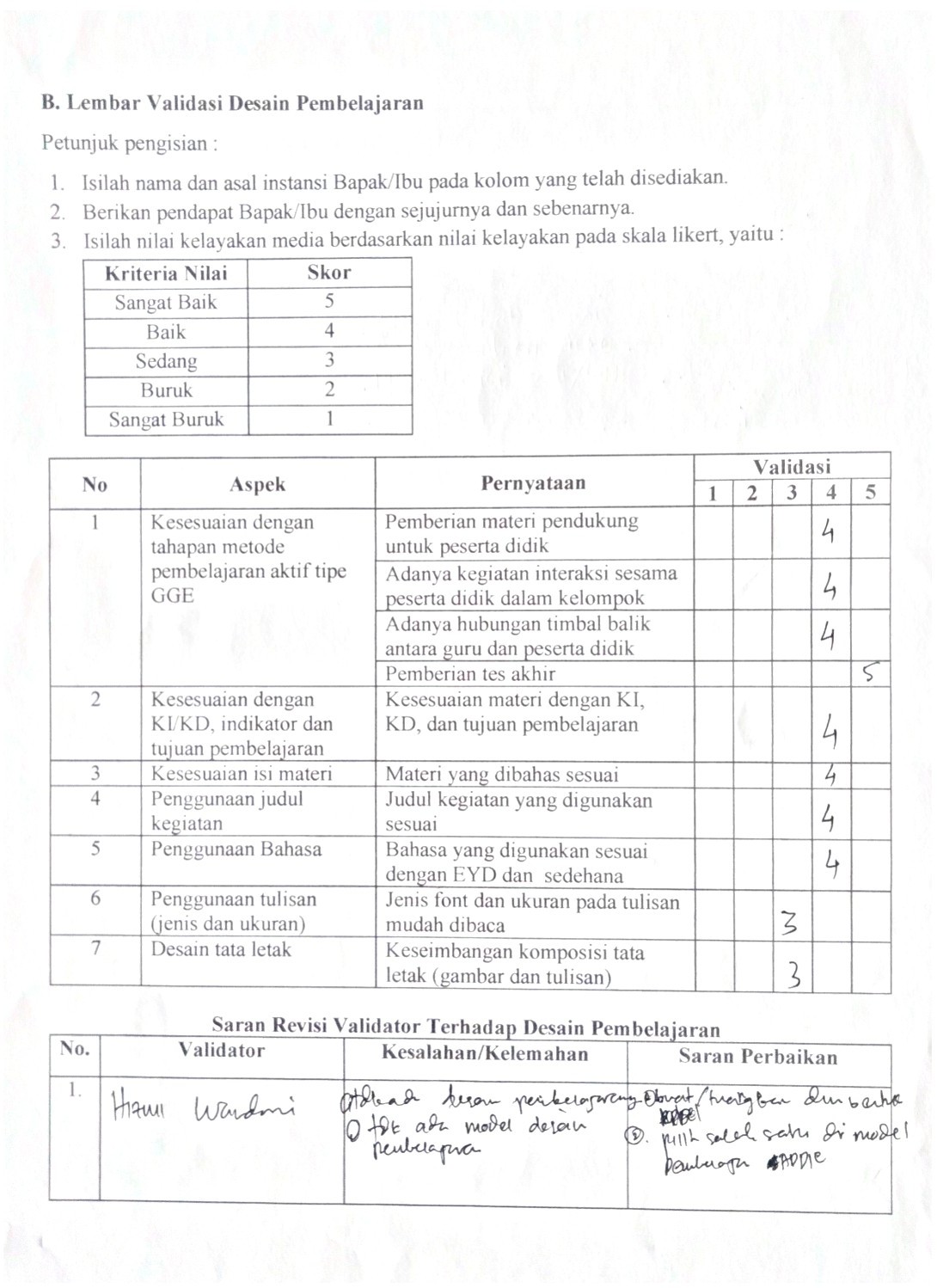


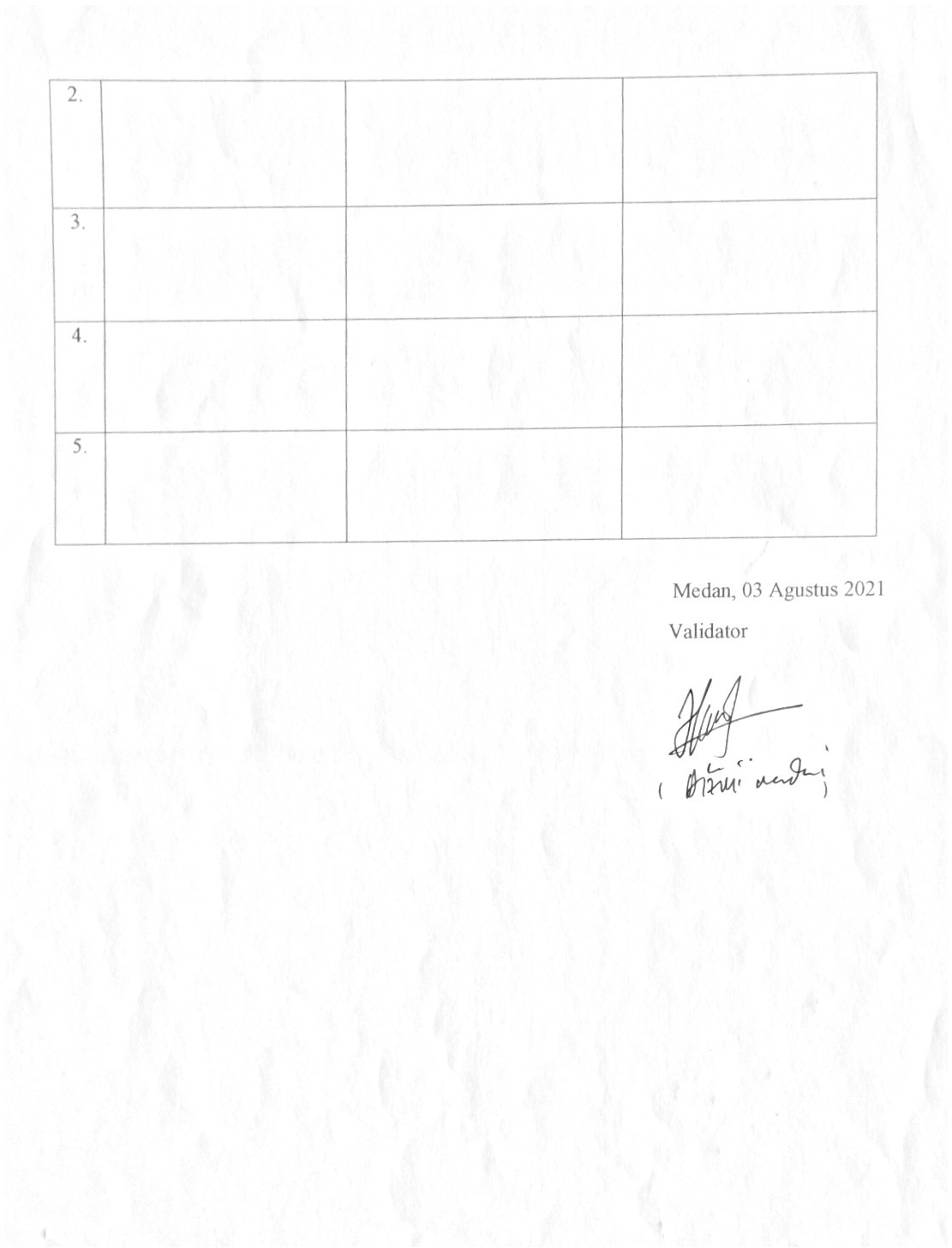
**Lampiran 4 Lembar Validasi Ahli LKPD dan Desain Pembelajaran**



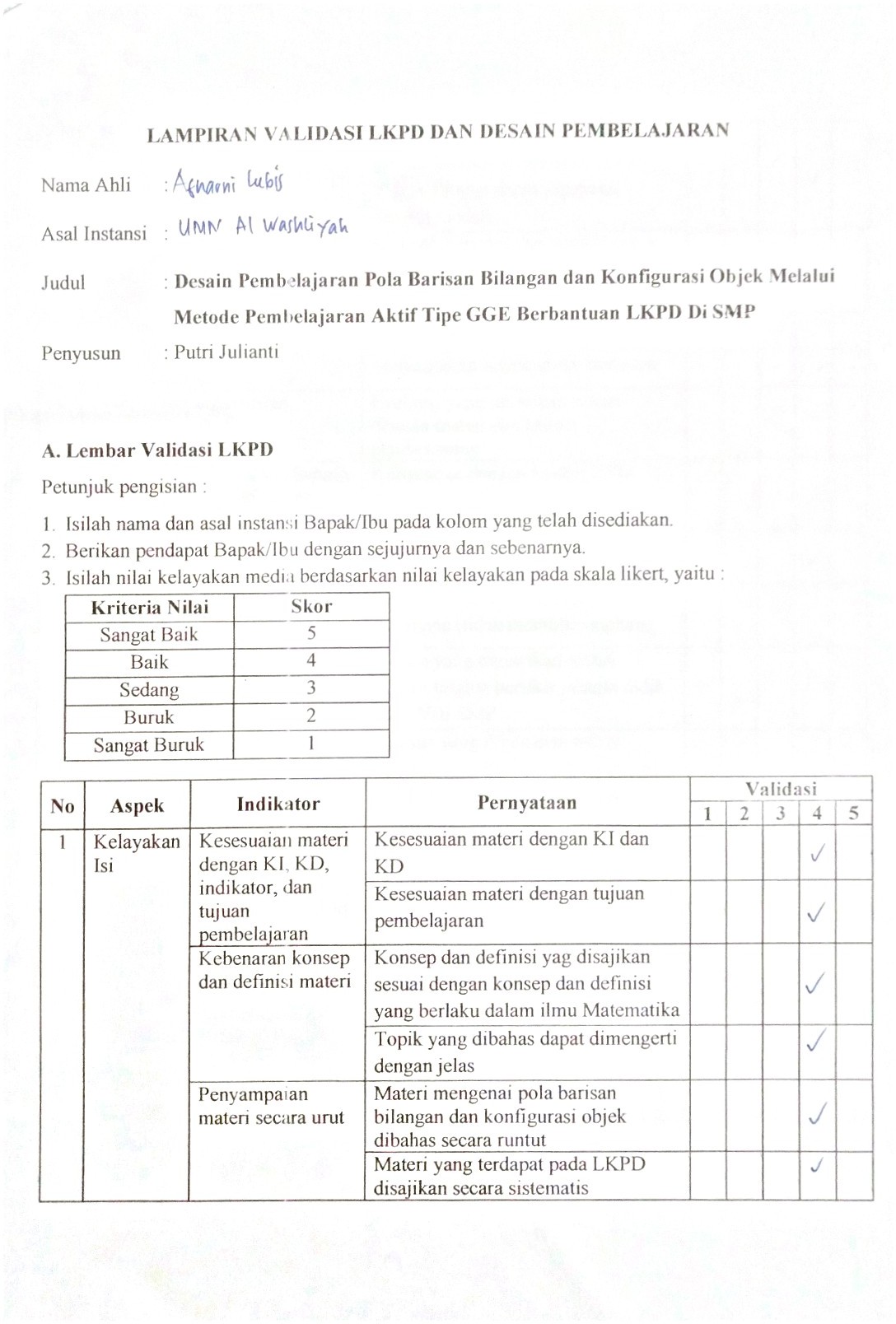


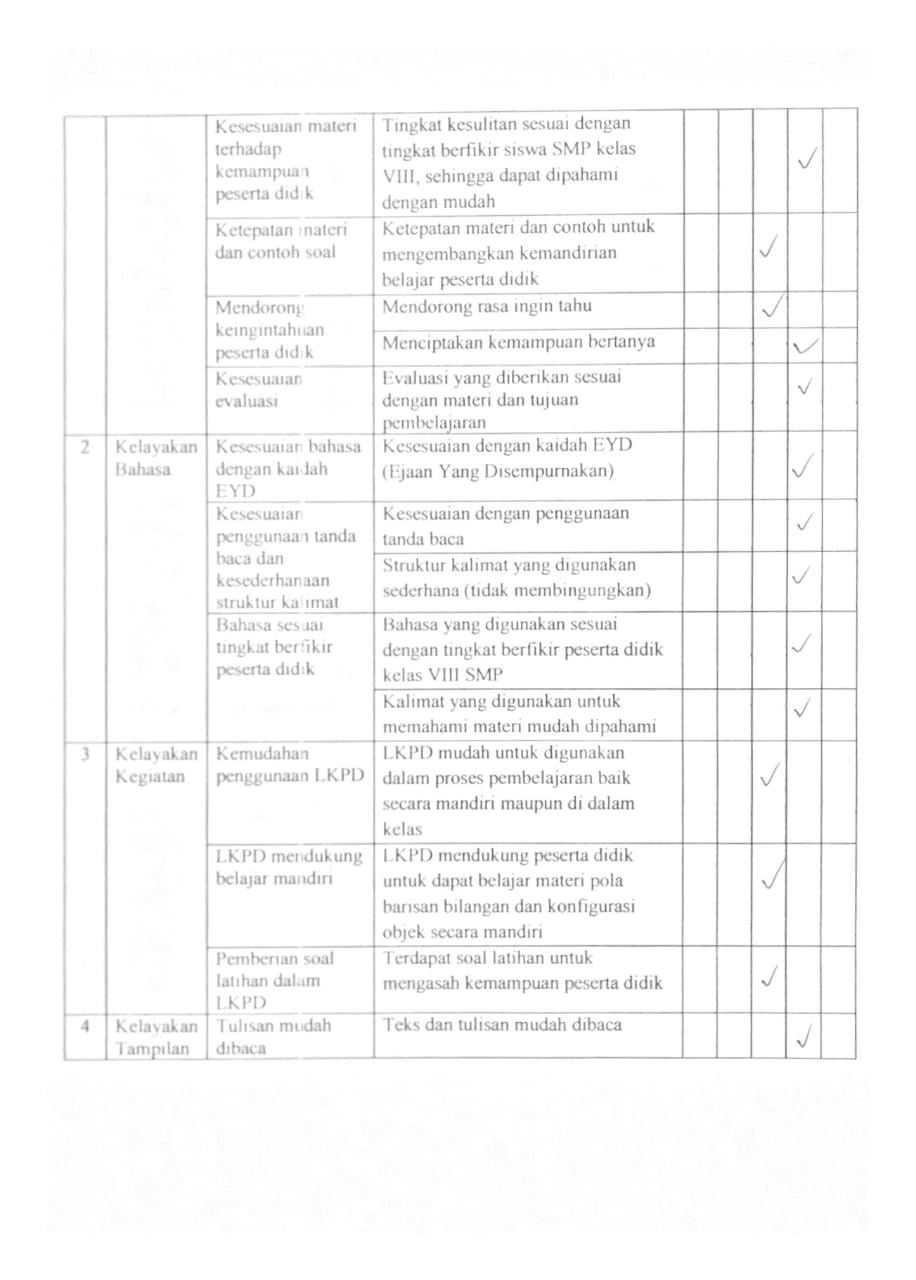


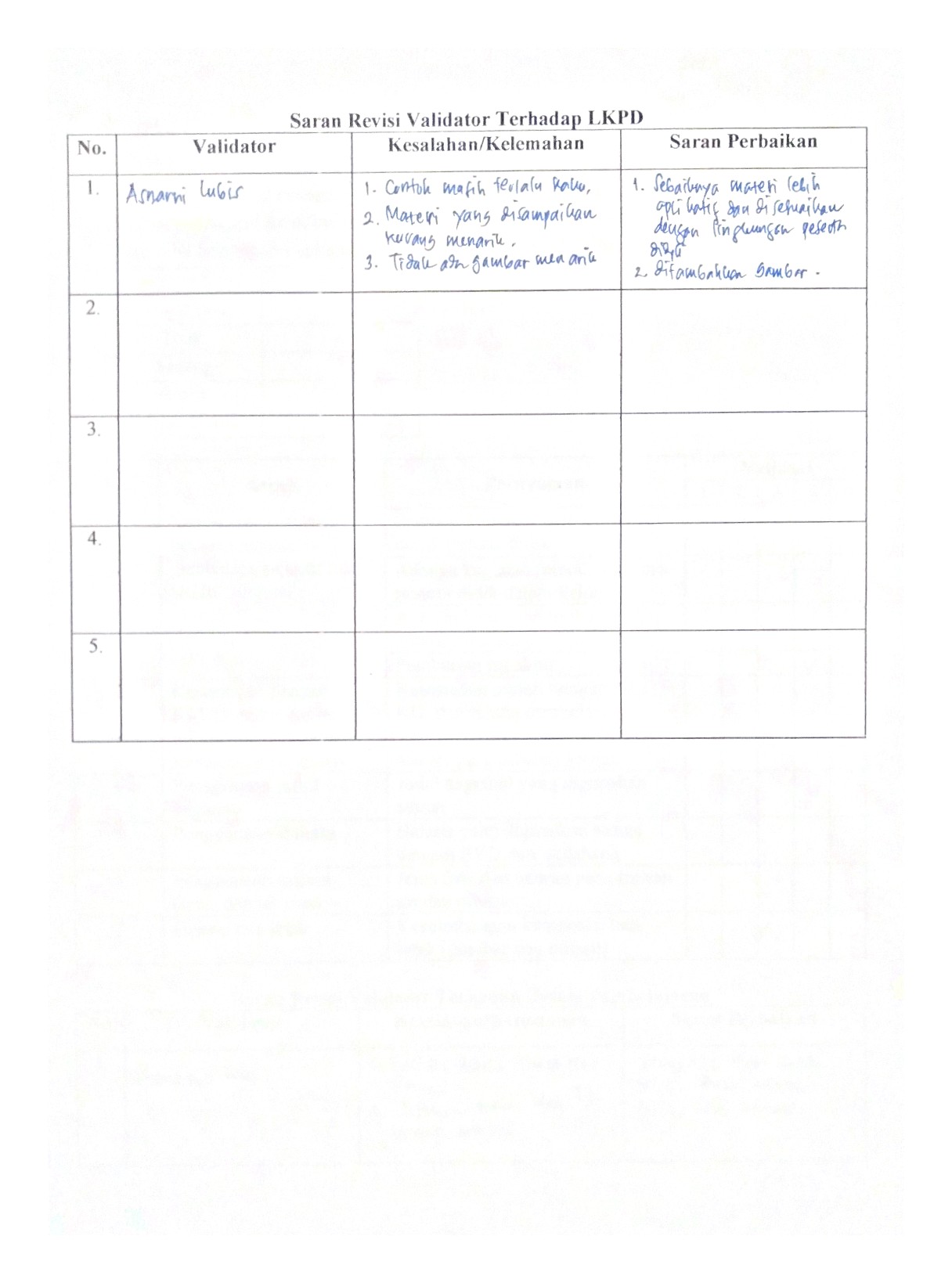


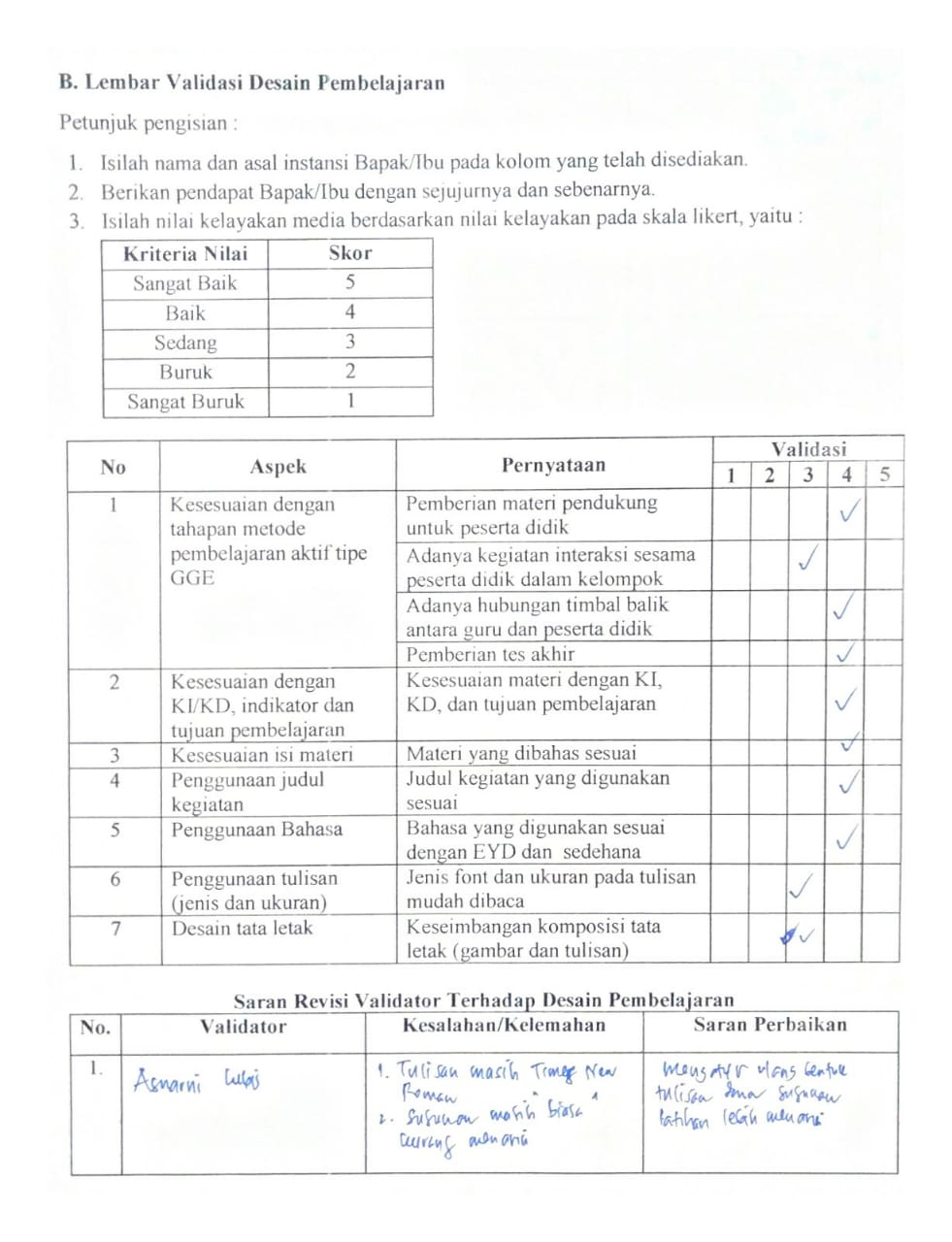


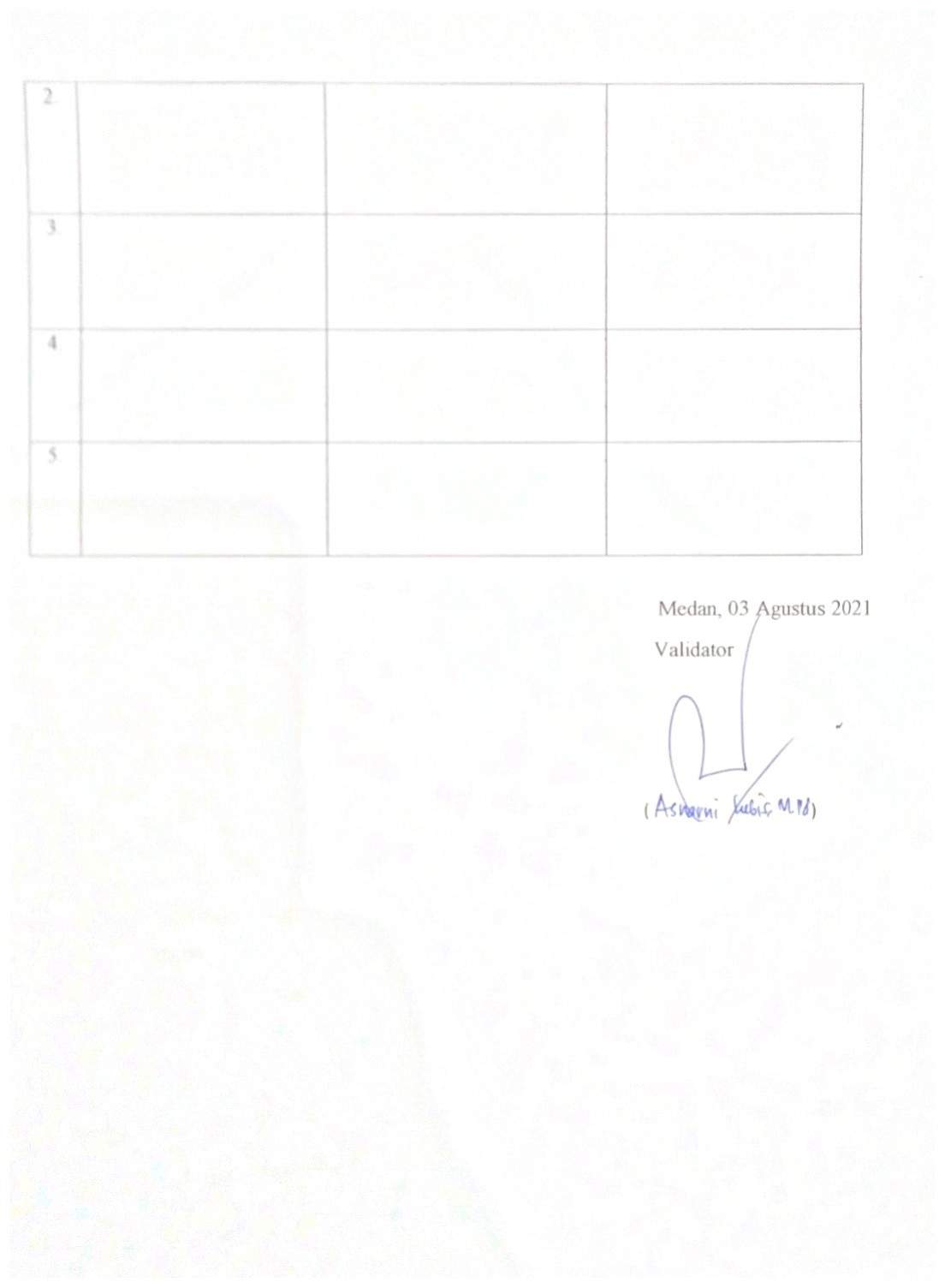
**Lampiran 5 Lembar Validasi Ahli LKPD dan Desain Pembelajaran**











**Lampiran 6**

**Skor Penilaian Pada Aspek Kesesuaian Dengan Tahapan Pembelajaran Aktif Tipe GGE**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No | Pertanyaan Angket | V1 | V2 | V3 | V4 | V5 | Jumlah | Rata-rata |
| 1. | P1 | 4 | 5 | 5 | 4 | 4 | 22 | 4,4 |
| 2. | P2 | 4 | 4 | 4 | 4 | 3 | 19 | 3,8 |
| 3. | P3 | 4 | 4 | 5 | 4 | 4 | 21 | 4,2 |
| 4. | P4 | 4 | 5 | 5 | 5 | 4 | 23 | 4,6 |
|  | Jumlah | 16 | 18 | 19 | 17 | 15 | 85 | 17 |
|  | Rata-rata | 4 | 4,5 | 4,75 | 4,25 | 3,75 | 21,25 | 4,25 |

Skor maksimal = 5 x 4 = 20

Skor minimal = 1 x 4 = 4

**Menghitung skor rata-rata :**

17

**Menghitung Presentase Kelayakan:**

**Lampiran 7**

**Skor Penilaian Pada Aspek Kelayakan Kesesuaian dengan KI/KD, Indikator dan tujuan pembelajaran**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No | Pertanyaan Angket | V1 | V2 | V3 | V4 | V5 | Jumlah | Rata-rata |
| 1. | P1 | 5 | 4 | 5 | 4 | 4 | 22 | 4,4 |
|  | Jumlah | 5 | 4 | 5 | 4 | 4 | 22 | 4,4 |
|  | rata-rata | 5 | 4 | 5 | 4 | 4 | 22 | 4,4 |

Skor maksimal = 5 x 1 = 5

Skor minimal = 1 x 1 = 1

**Menghitung skor rata-rata :**

4,4

**Menghitung Presentase Kelayakan:**

**Lampiran 8**

**Skor Penilaian Pada Aspek Kelayakan Kesesuaian isi materi**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No | Pertanyaan Angket | V1 | V2 | V3 | V4 | V5 | Jumlah | Rata-rata |
| 1. | P1 | 5 | 4 | 5 | 4 | 4 | 22 | 4,4 |
|  | Jumlah | 5 | 4 | 5 | 4 | 4 | 22 | 4,4 |
|  | rata-rata | 5 | 4 | 5 | 4 | 4 | 22 | 4,4 |

Skor maksimal = 5 x 1 = 5

Skor minimal = 1 x 1 = 1

**Menghitung skor rata-rata :**

4,4

**Menghitung Presentase Kelayakan:**

**Lampiran 7**

**Skor Penilaian Pada Aspek Kelayakan penggunaan judul kegiatan**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No | Pertanyaan Angket | V1 | V2 | V3 | V4 | V5 | Jumlah | Rata-rata |
| 1. | P1 | 4 | 4 | 5 | 4 | 4 | 21 | 4,2 |
|  | Jumlah | 4 | 4 | 5 | 4 | 4 | 21 | 4,2 |
|  | rata-rata | 4 | 4 | 5 | 4 | 4 | 21 | 4,2 |

Skor maksimal = 5 x 1 = 5

Skor minimal = 1 x 1 = 1

**Menghitung skor rata-rata :**

4,4

**Menghitung Presentase Kelayakan:**

**Lampiran 10**

**Skor Penilaian Pada Aspek Kelayakan Penggunaan Bahasa**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No | Pertanyaan Angket | V1 | V2 | V3 | V4 | V5 | Jumlah | Rata-rata |
| 1. | P1 | 4 | 4 | 4 | 4 | 4 | 20 | 4 |
|  | Jumlah | 4 | 4 | 4 | 4 | 4 | 20 | 4 |
|  | rata-rata | 4 | 4 | 4 | 4 | 4 | 20 | 4 |

Skor maksimal = 5 x 1 = 5

Skor minimal = 1 x 1 = 1

**Menghitung skor rata-rata :**

4,4

**Menghitung Presentase Kelayakan**:

**Lampiran 11**

**Skor Penilaian Pada Aspek Kelayakan Penggunaan Tulisan**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No | Pertanyaan Angket | V1 | V2 | V3 | V4 | V5 | Jumlah | Rata-rata |
| 1. | P1 | 4 | 4 | 4 | 3 | 3 | 18 | 3,6 |
|  | Jumlah | 4 | 4 | 4 | 3 | 3 | 18 | 3,6 |
|  | rata-rata | 4 | 4 | 4 | 3 | 3 | 18 | 3,6 |

Skor maksimal = 5 x 1 = 5

Skor minimal = 1 x 1 = 1

**Menghitung skor rata-rata :**

4,4

**Menghitung Presentase Kelayakan:**

**Lampiran 12**

**Skor Penilaian Pada Aspek Kelayakan Desain Tata Letak**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No | Pertanyaan Angket | V1 | V2 | V3 | V4 | V5 | Jumlah | Rata-rata |
| 1. | P1 | 4 | 4 | 5 | 3 | 3 | 19 | 3,8 |
|  | Jumlah | 4 | 4 | 5 | 3 | 3 | 19 | 3,8 |
|  | rata-rata | 4 | 4 | 5 | 3 | 3 | 19 | 3,8 |

Skor maksimal = 5 x 1 = 5

Skor minimal = 1 x 1 = 1

**Menghitung skor rata-rata :**

4,4

**Menghitung Presentase Kelayakan:**

**Lampiran 13**

**Skor Keseluruhan Aspek Desain Pembelajaran**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No | Pertanyaan | V1 | V2 | V3 | V4 | V5 | Jumlah | Rata-Rata |
| 1. | P1 | 4 | 5 | 5 | 4 | 4 | 22 | 4,4 |
| 2. | P2 | 4 | 4 | 4 | 4 | 3 | 19 | 3,8 |
| 3. | P3 | 4 | 4 | 5 | 4 | 4 | 21 | 4,2 |
| 4. | P4 | 4 | 5 | 5 | 5 | 4 | 23 | 4,6 |
| 5. | P5 | 5 | 4 | 5 | 4 | 4 | 22 | 4,4 |
| 6. | P6 | 5 | 4 | 5 | 4 | 4 | 22 | 4,4 |
| 7. | P7 | 4 | 4 | 5 | 4 | 4 | 21 | 4,2 |
| 8. | P8 | 4 | 4 | 4 | 4 | 4 | 20 | 4 |
| 9. | P9 | 4 | 4 | 4 | 3 | 3 | 18 | 3,6 |
| 10. | P10 | 4 | 4 | 5 | 3 | 3 | 19 | 3,8 |
|  | Jumlah | 42 | 42 | 47 | 39 | 37 | 207 | 41,4 |
|  | Rata-rata | 4,2 | 4,2 | 4,7 | 3,9 | 3,7 | 20,7 | 4,14 |

Skor maksimal = 5 x 10 = 50

Skor minimal = 1 x 10 = 10

**Menghitung skor rata-rata :**

41,4

**Menghitung Presentase Kelayakan:**

**Lampiran 14**

**Skor Penilaian Pada Aspek Kelayakan Isi**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No | Pertanyaan Angket | V1 | V2 | V3 | V4 | V5 | Jumlah | Rata-Rata |
| 1. | P1 | 4 | 4 | 5 | 4 | 5 | 22 | 4,4 |
| 2. | P2 | 4 | 5 | 4 | 4 | 5 | 22 | 4,4 |
| 3. | P3 | 4 | 4 | 4 | 4 | 4 | 20 | 4 |
| 4. | P4 | 5 | 4 | 5 | 4 | 4 | 22 | 4,4 |
| 5. | P5 | 4 | 5 | 5 | 4 | 4 | 22 | 4,4 |
| 6. | P6 | 5 | 5 | 5 | 4 | 4 | 23 | 4,6 |
| 7. | P7 | 3 | 4 | 5 | 4 | 4 | 20 | 4 |
| 8. | P8 | 4 | 5 | 4 | 3 | 4 | 20 | 4 |
| 9. | P9 | 4 | 4 | 5 | 3 | 4 | 20 | 4 |
| 10. | P10 | 5 | 4 | 5 | 4 | 4 | 22 | 4,4 |
| 11. | P11 | 5 | 4 | 5 | 4 | 4 | 22 | 4,4 |
|  | Jumlah | 47 | 48 | 52 | 42 | 46 | 235 | 47 |
|  | rata-rata | 4,27 | 4,36 | 4,73 | 3,82 | 4,18 | 21,36 | 4,27 |

Skor maksimal = 5 x 11 = 55

Skor minimal = 1 x 11 = 11

**Menghitung skor rata-rata :**

47

**Menghitung Presentase Kelayakan:**

**Lampiran 15**

**Skor Penilaian Pada Aspek Kelayakan Bahasa**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No | Pertanyaan Angket | V1 | V2 | V3 | V4 | V5 | Jumlah | Rata-rata |
| 1. | P1 | 4 | 4 | 5 | 5 | 4 | 22 | 4,4 |
| 2. | P2 | 4 | 5 | 4 | 4 | 4 | 21 | 4,2 |
| 3. | P3 | 3 | 5 | 5 | 4 | 4 | 21 | 4,2 |
| 4. | P4 | 4 | 3 | 5 | 4 | 4 | 20 | 4 |
| 5. | P5 | 4 | 4 | 5 | 4 | 4 | 21 | 4,2 |
|  | Jumlah | 19 | 21 | 24 | 21 | 20 | 105 | 21 |
|  | rata-rata | 3,80 | 4,20 | 4,80 | 4,20 | 4 | 21,00 | 4,20 |

Skor maksimal = 5 x 5 = 25

Skor minimal = 1 x 5 = 5

**Menghitung skor rata-rata :**

21

**Menghitung Presentase Kelayakan:**

**Lampiran 16**

**Skor Penilaian Pada Aspek Kelayakan Kegiatan**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No | Pertanyaan Angket | V1 | V2 | V3 | V4 | V5 | Jumlah | Rata-rata |
| 1. | P1 | 4 | 4 | 4 | 3 | 3 | 18 | 3,6 |
| 2. | P2 | 4 | 5 | 5 | 4 | 3 | 21 | 4,2 |
| 3. | P3 | 4 | 4 | 5 | 3 | 3 | 19 | 3,8 |
|  | Jumlah | 12 | 13 | 14 | 10 | 9 | 58 | 11,60 |
|  | rata-rata | 4 | 4,33 | 4,67 | 3,33 | 3 | 19,33 | 3,87 |

Skor maksimal = 5 x 3 = 15

Skor minimal = 1 x 3 = 3

**Menghitung skor rata-rata :**

11,6

**Menghitung Presentase Kelayakan:**

**Lampiran 17**

**Skor Penilaian Pada Aspek Kelayakan Tampilan**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No | Pertanyaan Angket | V1 | V2 | V3 | V4 | V5 | Jumlah | Rata-rata |
| 1. | P1 | 4 | 4 | 5 | 4 | 4 | 21 | 4,2 |
|  | Jumlah | 4 | 4 | 5 | 4 | 4 | 21 | 21 |
|  | rata-rata | 4 | 4 | 5 | 4 | 4 | 21 | 4,2 |

Skor maksimal = 5 x 1 = 5

Skor minimal = 1 x 1 = 1

**Menghitung skor rata-rata :**

4,2

**Menghitung Presentase Kelayakan:**

**Lampiran 18**

**Skor Keseluruhan Aspek LKPD**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No | Pertanyaan Angket | V1 | V2 | V3 | V4 | V5 | Jumlah | Rata-Rata |
| 1. | P1 | 4 | 4 | 5 | 4 | 5 | 22 | 4,4 |
| 2. | P2 | 4 | 5 | 4 | 4 | 5 | 22 | 4,4 |
| 3. | P3 | 4 | 4 | 4 | 4 | 4 | 20 | 4 |
| 4. | P4 | 5 | 4 | 5 | 4 | 4 | 22 | 4,4 |
| 5. | P5 | 4 | 5 | 5 | 4 | 4 | 22 | 4,4 |
| 6. | P6 | 5 | 5 | 5 | 4 | 4 | 23 | 4,6 |
| 7. | P7 | 3 | 4 | 5 | 4 | 4 | 20 | 4 |
| 8. | P8 | 4 | 5 | 4 | 3 | 4 | 20 | 4 |
| 9. | P9 | 4 | 4 | 5 | 3 | 4 | 20 | 4 |
| 10. | P10 | 5 | 4 | 5 | 4 | 4 | 22 | 4,4 |
| 11. | P11 | 5 | 4 | 5 | 4 | 4 | 22 | 4,4 |
| 12. | P12 | 4 | 4 | 5 | 5 | 4 | 22 | 4,4 |
| 13. | P13 | 4 | 5 | 4 | 4 | 4 | 21 | 4,2 |
| 14. | P14 | 3 | 5 | 5 | 4 | 4 | 21 | 4,2 |
| 15. | P15 | 4 | 3 | 5 | 4 | 4 | 20 | 4 |
| 16. | P16 | 4 | 4 | 5 | 4 | 4 | 21 | 4,2 |
| 17. | P17 | 4 | 4 | 4 | 3 | 3 | 18 | 3,6 |
| 18. | P18 | 4 | 5 | 5 | 4 | 3 | 21 | 4,2 |
| 19. | P19 | 4 | 4 | 5 | 3 | 3 | 19 | 3,8 |
| 20. | P20 | 4 | 4 | 5 | 4 | 4 | 21 | 4,2 |
|  | Jumlah | 82 | 86 | 95 | 77 | 79 | 419 | 83,8 |
|  | Rata-rata | 4,1 | 4,3 | 4,75 | 3,85 | 3,95 | 20,95 | 4,19 |

Skor maksimal = 5 x 20 = 100

Skor minimal = 1 x 20 = 20

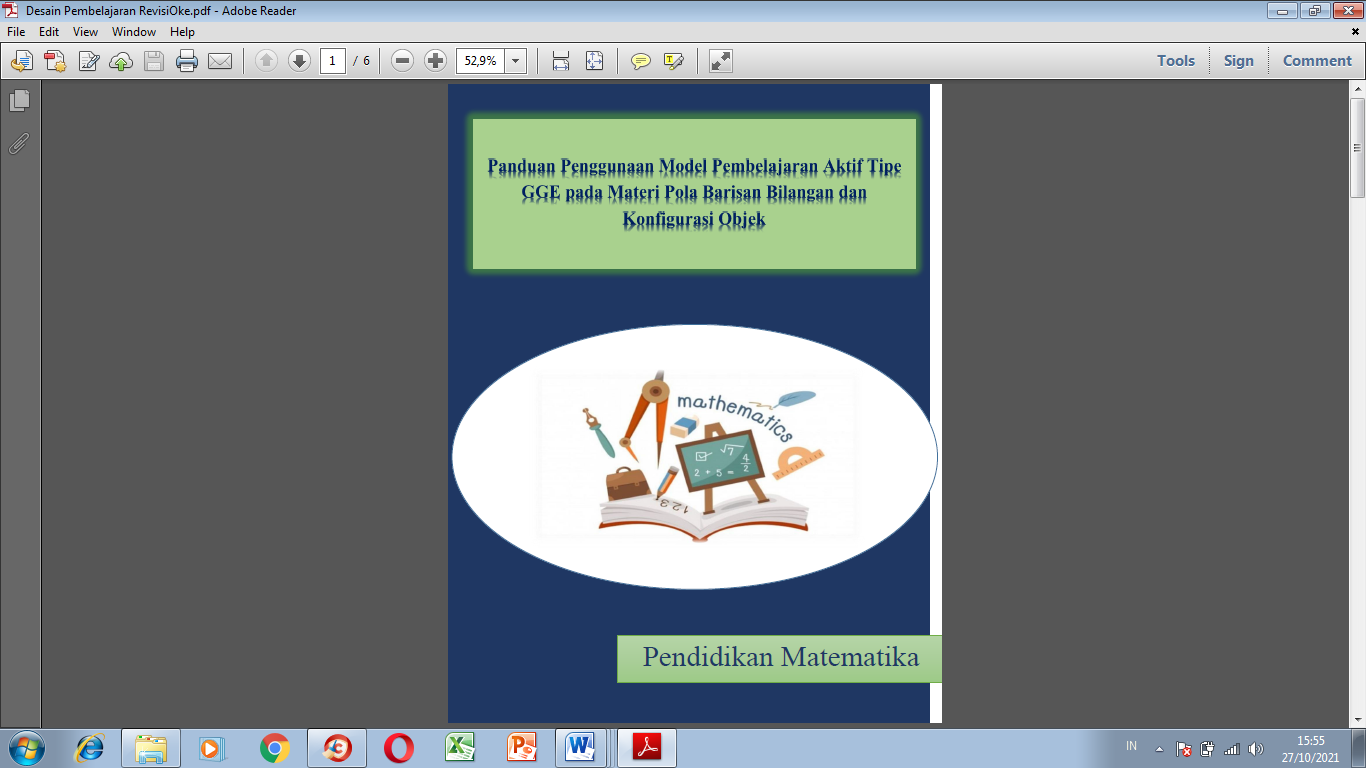
**Menghitung skor rata-rata :**

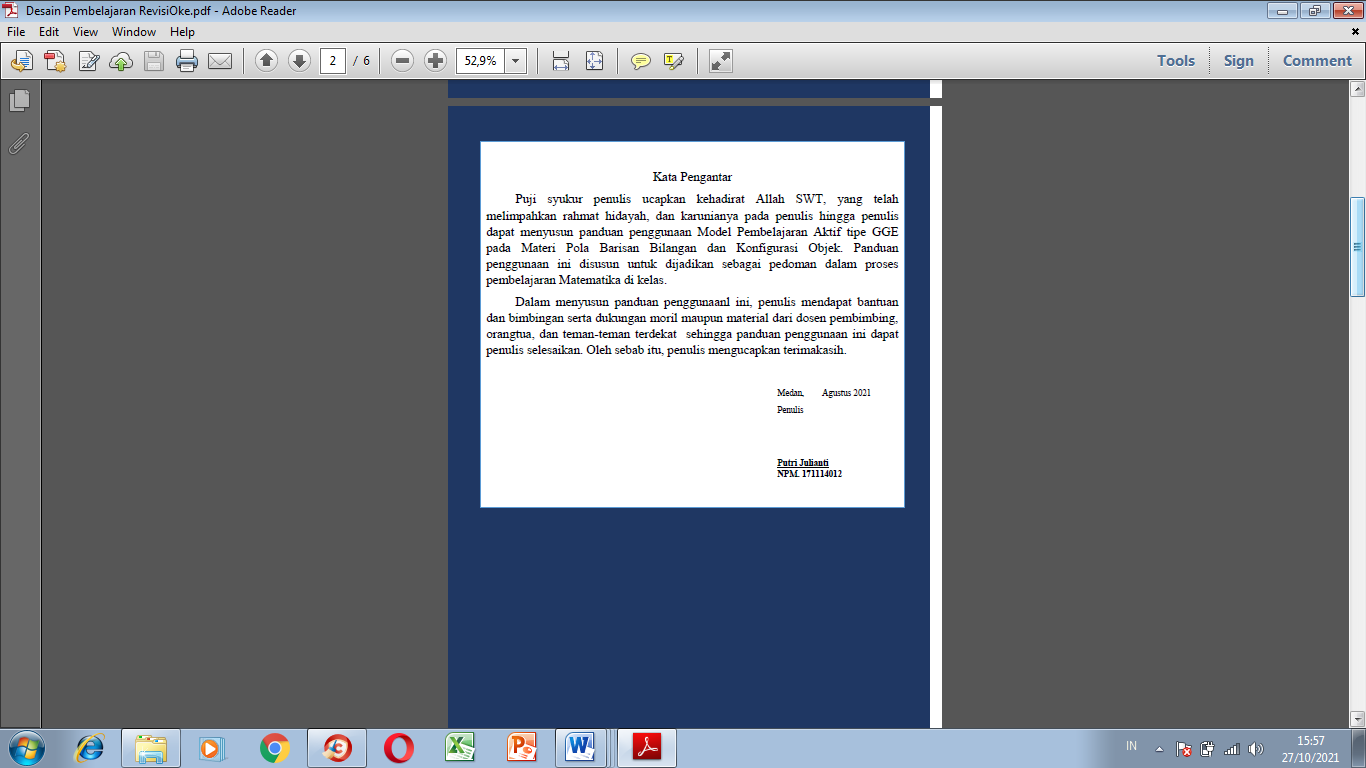
83,8

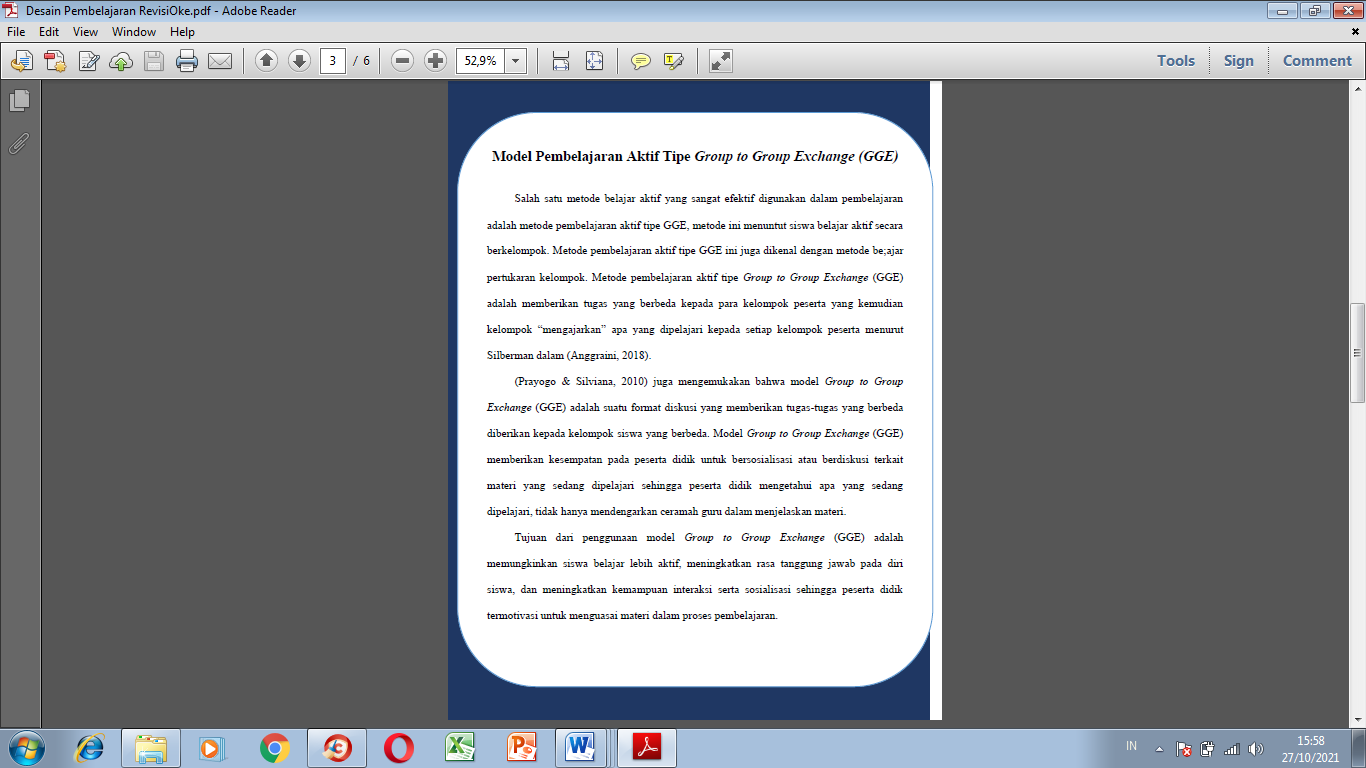
**Menghitung Presentase Kelayakan:**

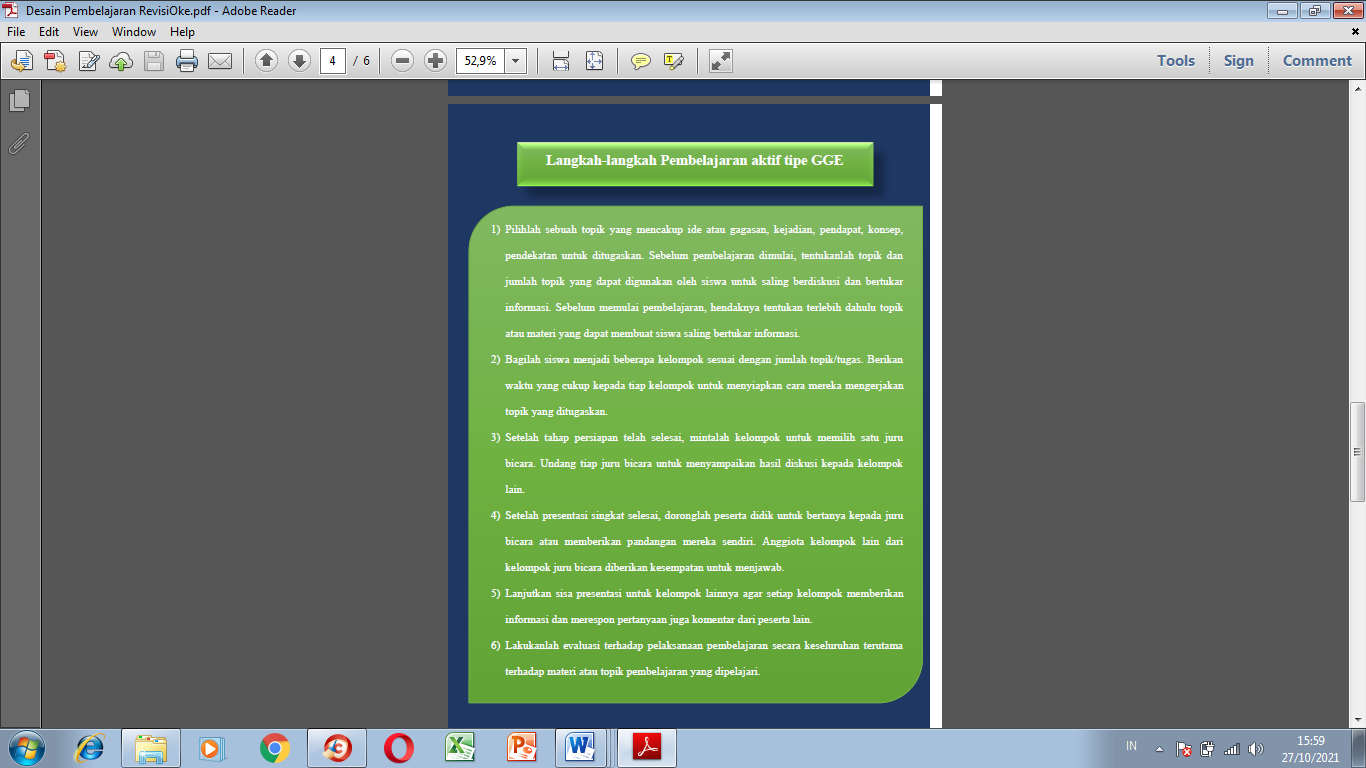
**Lampiran 18**

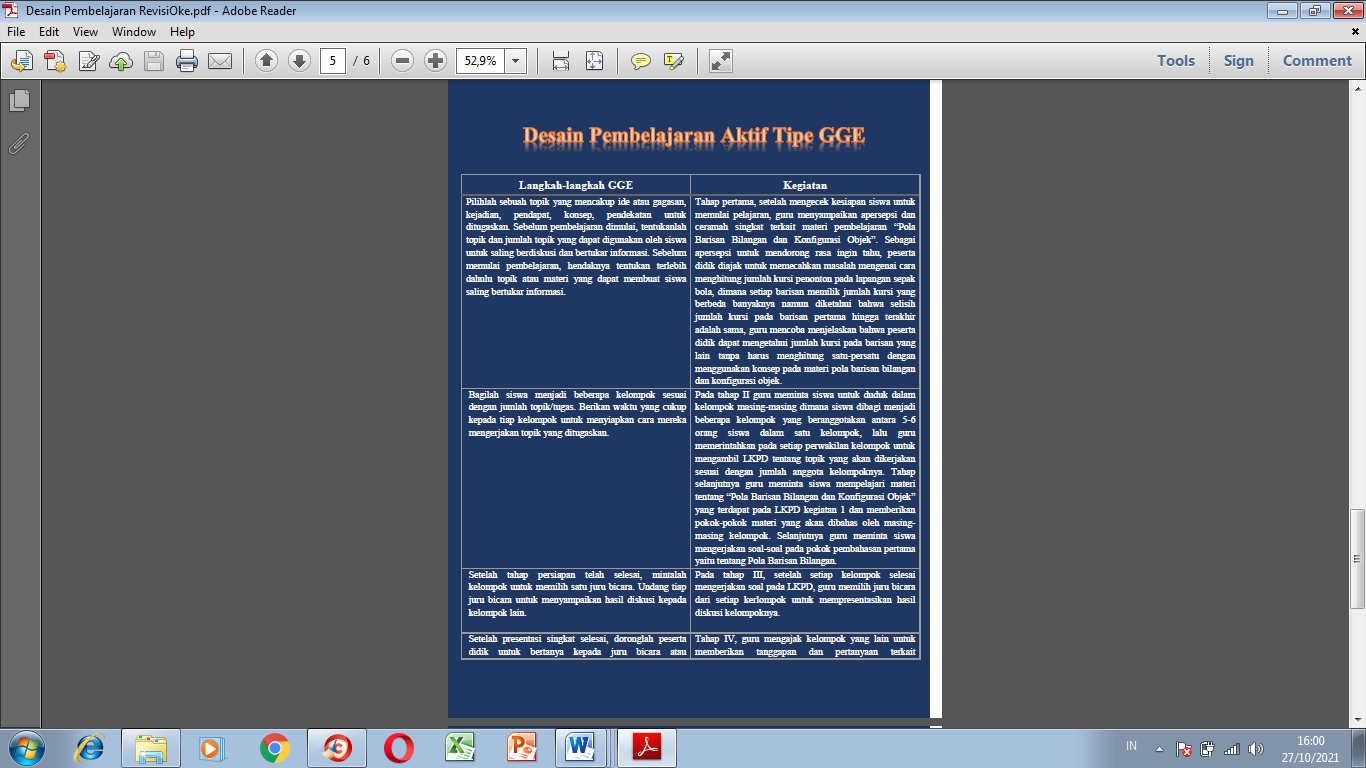
**Desain Pembelajaran**

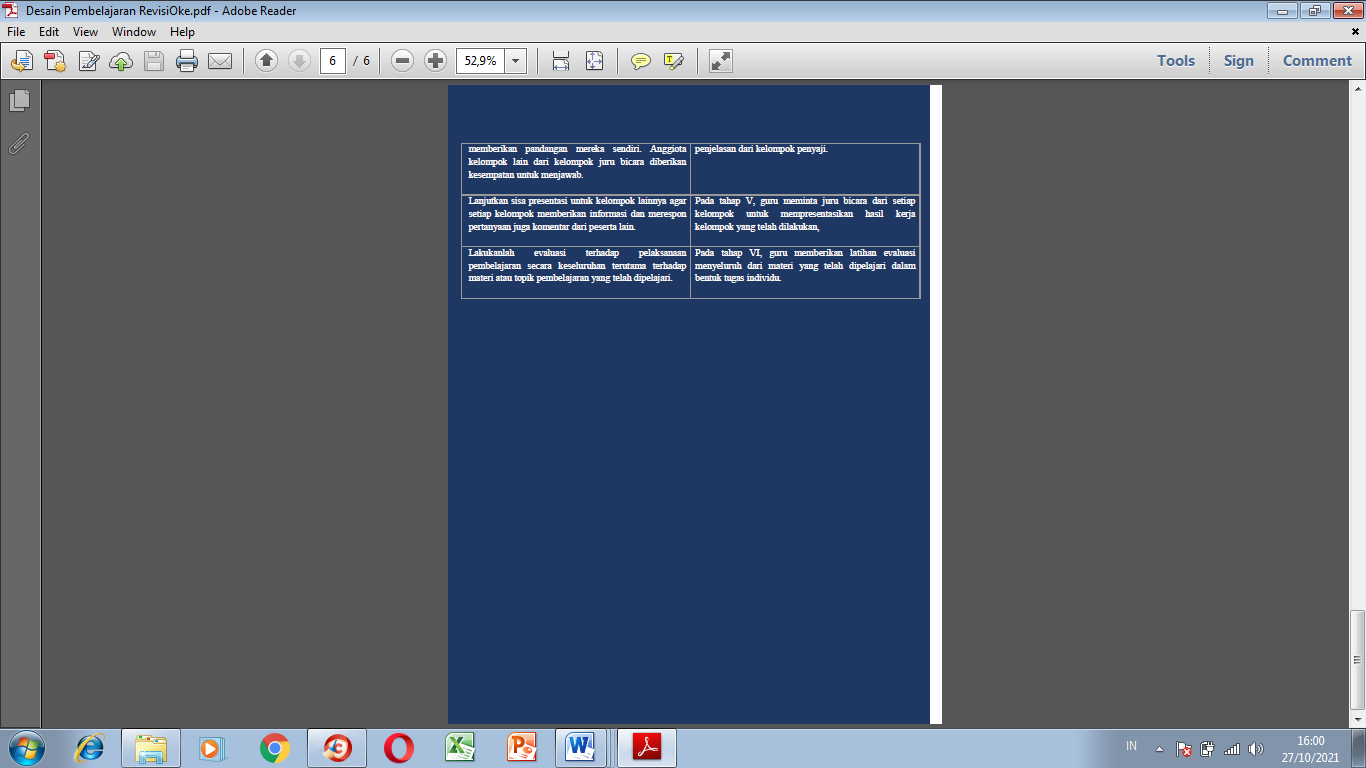








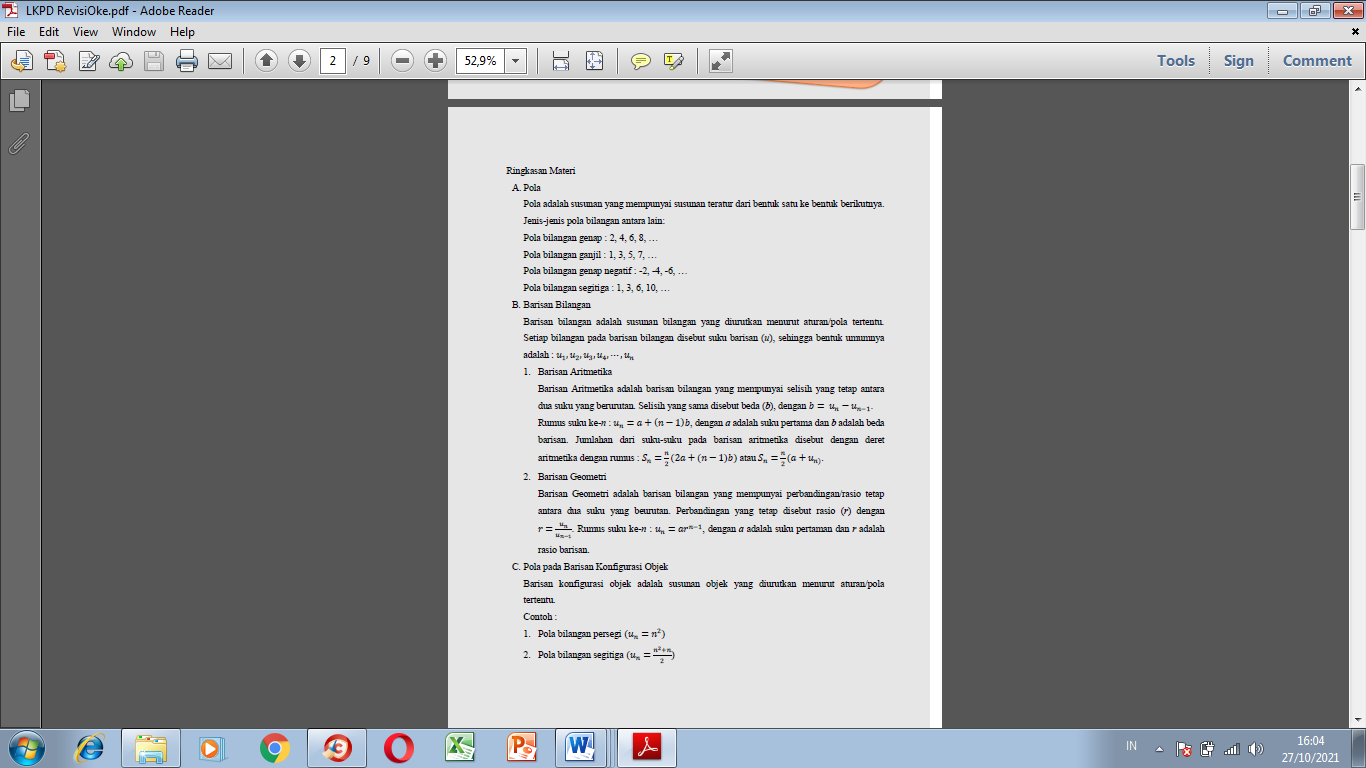


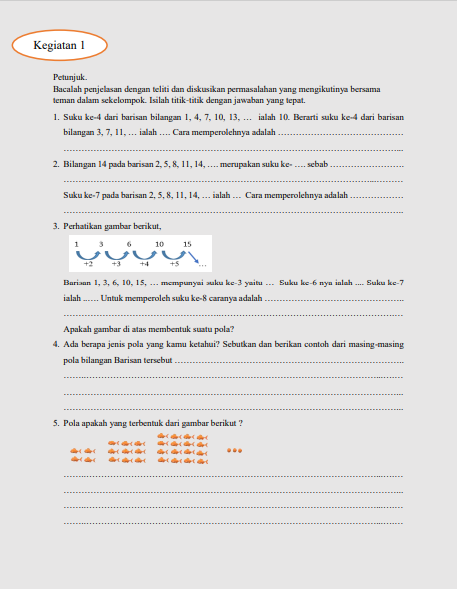


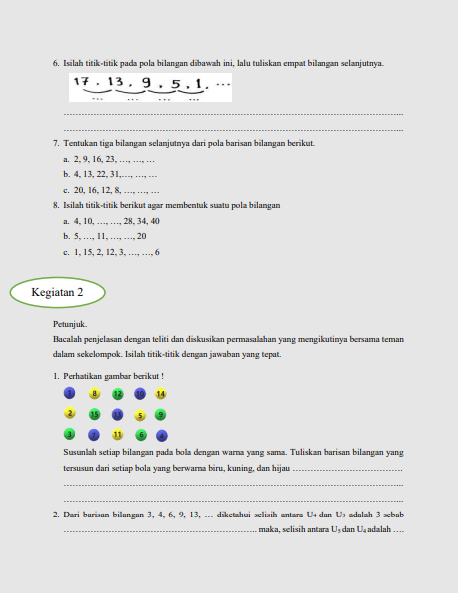
**Lampiran 18**

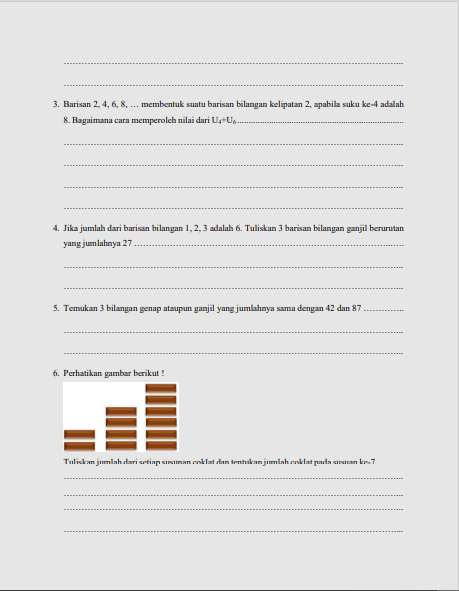
**LKPD**

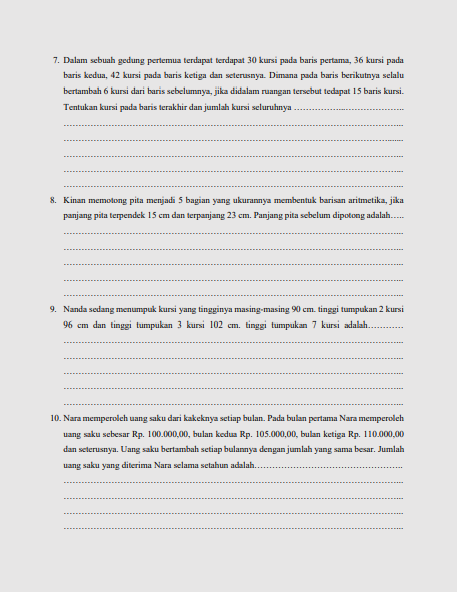


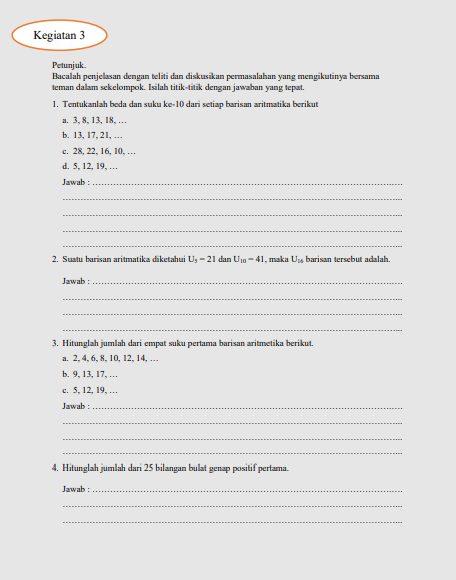


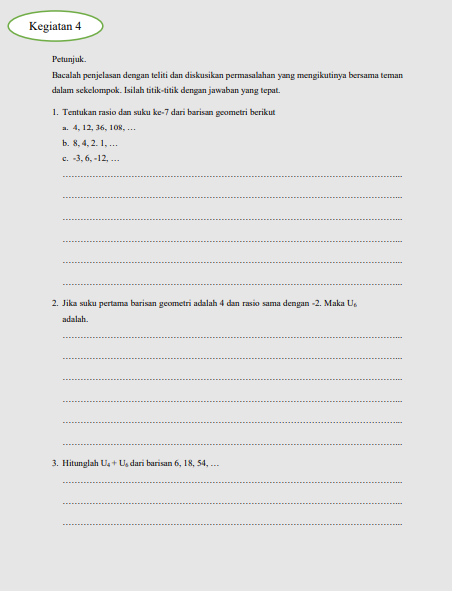
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