



## Lampiran 01

## KISI-KISI UJI COBA ANGKET MOTIVASI BELAJAR

| No                     | Dimensi                                  | Indikator                                                        | Butir Positif | Butir Negatif | Jumlah Butir |
|------------------------|------------------------------------------|------------------------------------------------------------------|---------------|---------------|--------------|
| 1.                     | Keinginan atau dorongan mencapai sesuatu | Adanya keinginan dan kebutuhan dalam belajar                     | 1,2           | 3,4,5         | 5            |
|                        |                                          | Adanya hasrat untuk berprestasi                                  | 6,7,8         | 9,10          | 5            |
| 2.                     | Komitmen                                 | Konsistensi belajar setiap hari                                  | 11,12,13      | 14,15         | 5            |
|                        |                                          | Ketepatan dalam menyelesaikan tugas                              | 16,17         | 18,19,20      | 5            |
| 3.                     | Inisiatif untuk belajar                  | Mencari sumber belajar tambahan secara mandiri                   | 21,22,23      | 24,25         | 5            |
|                        |                                          | Aktif melakukan diskusi terkait permasalahan yang diberikan guru | 26,27         | 28,29,30      | 5            |
| 4.                     | Optimis                                  | Giat dalam menghadapi kesulitan                                  | 31,32,33      | 34,35         | 5            |
| Total Butir Pertanyaan |                                          |                                                                  | 35            |               |              |

## Lampiran 02

### ANGKET MOTIVASI BELAJAR YANG DIUJICOBAKAN

#### A. Identitas Siswa

Nama :

No. Absen :

Kelas :

#### B. Petunjuk Pengisian Angket

1. Angket ini terdiri dari 35 pernyataan tentang motivasi belajar
2. Baca setiap pernyataan dengan saksama, kemudian pilih salah satu jawaban yang paling sesuai dengan kondisi anda. Pastikan anda menjawab dengan jujur.
3. Kategori yang digunakan untuk menjawab adalah sangat setuju (SS), setuju (S), ragu-ragu (RR), tidak setuju (TS), dan sangat tidak setuju (STS)
4. Tidak ada jawaban yang benar atau salah, tidak ada pengaruh terhadap penilaian yang dilakukan di sekolah, dan akan dirahasiakan.
5. Alokasi waktu yang diberikan untuk menjawab kuesioner sebesar 10 menit.

| No | Pernyataan                                                                                                                                                                                   | SS | S | RR | TS | STS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|---|----|----|-----|
| 1. | Saya merasa sangat terdorong untuk belajar karena memiliki tujuan jangka panjang yang ingin saya capai, seperti keberhasilan akademik atau menggapai cita-cita yang sudah lama saya impikan. |    |   |    |    |     |
| 2. | Saya selalu berusaha memahami materi pelajaran dengan sungguh-sungguh karena merasa belajar adalah kebutuhan penting untuk meningkatkan kualitas diri saya.                                  |    |   |    |    |     |
| 3. | Saya sering merasa bahwa belajar hanyalah kewajiban yang harus dilakukan, bukan sesuatu yang benar-benar saya butuhkan atau inginkan.                                                        |    |   |    |    |     |
| 4. | Saya jarang merasa ada kebutuhan untuk mempelajari sesuatu yang baru, kecuali jika itu diwajibkan oleh sekolah atau guru.                                                                    |    |   |    |    |     |
| 5. | Saya belajar saat ada ujian atau ulangan saja                                                                                                                                                |    |   |    |    |     |

|     |                                                                                                                                                        |  |  |  |  |  |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|
| 6.  | Saya selalu berusaha mendapatkan nilai terbaik dalam pelajaran IPA karena ingin mencapai prestasi akademik yang membanggakan.                          |  |  |  |  |  |
| 7.  | Saya ingin menjadi salah satu siswa terbaik di kelas.                                                                                                  |  |  |  |  |  |
| 8.  | Saya tidak curang bersaing dengan teman di kelas untuk mendapatkan nilai terbaik dalam pelajaran IPA                                                   |  |  |  |  |  |
| 9.  | Saya merasa tidak terlalu peduli apakah pemahaman saya terhadap pelajaran IPA dapat membawa prestasi atau tidak, asalkan tugas saya selesai.           |  |  |  |  |  |
| 10. | Saat nilai ujian saya jelek, saya merasa itu adalah hal yang wajar karena pelajaran IPA sangat sulit dan bukan materi yang saya sukai                  |  |  |  |  |  |
| 11. | Saya berusaha menjaga konsistensi dalam belajar IPA meskipun ada banyak kesibukan lain di luar sekolah.                                                |  |  |  |  |  |
| 12. | Saya tetap mempelajari materi pelajaran IPA meskipun tidak ada tugas atau ujian yang harus disiapkan                                                   |  |  |  |  |  |
| 13. | Saya selalu meluangkan waktu setiap hari untuk mengulang kembali materi IPA yang sudah dipelajari di kelas.                                            |  |  |  |  |  |
| 14. | Saya sering melewatkan belajar pelajaran IPA karena merasa tidak terlalu mendesak atau penting.                                                        |  |  |  |  |  |
| 15. | Saya hanya belajar IPA jika ada tugas atau ujian dan jarang melakukannya secara konsisten karena masih banyak mata pelajaran yang harus saya kerjakan. |  |  |  |  |  |
| 16. | Jika guru memberikan tugas, saya segera mengerjakan.                                                                                                   |  |  |  |  |  |
| 17. | Saya selalu berusaha menyelesaikan tugas yang diberikan dengan tepat waktu dan memastikan semua bagian dikerjakan dengan baik.                         |  |  |  |  |  |

|     |                                                                                                                                                              |  |  |  |  |  |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|
| 18. | Saya terkadang merasa kurang peduli dengan ketepatan jawaban dalam tugas, asalkan tugas tersebut selesai.                                                    |  |  |  |  |  |
| 19. | Saya kehabisan waktu untuk mengerjakan tugas kelompok, sehingga tugas individu tidak sempat saya kerjakan.                                                   |  |  |  |  |  |
| 20. | Saya sering menunda untuk mengerjakan tugas IPA sampai mendekati waktu mengumpulkan tugas.                                                                   |  |  |  |  |  |
| 21. | Saya sering mencari sumber belajar tambahan, seperti buku atau video online untuk memperdalam pemahaman saya tentang pelajaran IPA.                          |  |  |  |  |  |
| 22. | Saya merasa tertarik untuk menjelajahi berbagai materi di luar pelajaran IPA yang diajarkan di kelas agar lebih menguasai topik-topik tersebut.              |  |  |  |  |  |
| 23. | Ketika menemukan konsep IPA yang sulit, saya berusaha mencari penjelasan tambahan melalui video pembelajaran, aplikasi edukasi, atau sumber belajar lainnya. |  |  |  |  |  |
| 24. | Saya jarang mencari sumber belajar tambahan karena merasa cukup dengan materi yang diberikan di kelas saja.                                                  |  |  |  |  |  |
| 25. | Saya lebih memilih untuk menunggu guru atau teman yang memberikan penjelasan tambahan, daripada mencari sendiri sumber belajar tambahan.                     |  |  |  |  |  |
| 26. | Ketika guru memberikan tugas diskusi, saya dengan senang hati berpartisipasi untuk memahami topik IPA secara lebih mendalam.                                 |  |  |  |  |  |
| 27. | Saya memanfaatkan setiap kesempatan untuk bertanya kepada guru atau teman ketika saya kurang memahami suatu topik IPA.                                       |  |  |  |  |  |
| 28. | Saya cukup memahami materi IPA tetapi malu-malu untuk berpendapat di depan teman-teman.                                                                      |  |  |  |  |  |

|     |                                                                                                                             |  |  |  |  |  |
|-----|-----------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|
| 29. | Saya tidak mau mengemukakan pendapat jika guru tidak menyuruhnya                                                            |  |  |  |  |  |
| 30. | Saya jarang memulai diskusi saat guru memberikan permasalahan IPA, karena menunggu teman lain yang memulai terlebih dahulu. |  |  |  |  |  |
| 31. | Saya selalu berusaha menyelesaikan soal IPA yang sulit meskipun membutuhkan waktu lebih lama untuk memahaminya.             |  |  |  |  |  |
| 32. | Ketika menghadapi materi IPA yang sulit, saya tetap yakin bahwa saya bisa memahaminya dengan belajar lebih giat.            |  |  |  |  |  |
| 33. | Saya merasa tertantang untuk mencari solusi terbaik ketika menemui kesulitan dalam mempelajari konsep-konsep IPA.           |  |  |  |  |  |
| 34. | Saya cenderung menghindari tugas-tugas IPA yang menurut saya sulit karena merasa tidak mampu menyelesaikannya.              |  |  |  |  |  |
| 35. | Ketika menemukan soal sulit, saya lebih baik mencontek jawaban teman dari pada mencarinya di buku atau sumber lain.         |  |  |  |  |  |



## Lampiran 03

**DATA HASIL UJI COBA MOTIVASI BELAJAR**  
**SISWA KELAS IXA5 DAN IXA6 SMP NEGERI 1 SINGARAJA**

| No  | Nama Responden                | Item Pernyataan |   |   |   |   |   |   |   |
|-----|-------------------------------|-----------------|---|---|---|---|---|---|---|
|     |                               | 1               | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1.  | Desak Putu Ganeshia Reshmi    | 2               | 4 | 4 | 4 | 4 | 3 | 3 | 4 |
| 2.  | Desak Putu Luna Meika Dianti  | 4               | 4 | 4 | 4 | 2 | 4 | 4 | 2 |
| 3.  | Dewa Gede Anggan Triatmana    | 4               | 5 | 2 | 3 | 3 | 4 | 4 | 4 |
| 4.  | Gede Aryawan Dinata           | 5               | 5 | 5 | 4 | 4 | 5 | 4 | 4 |
| 5.  | Gede Bagus Cetta Gellardi     | 2               | 4 | 4 | 4 | 4 | 3 | 5 | 4 |
| 6.  | Gede Daren Maha Suardika      | 4               | 4 | 4 | 4 | 4 | 2 | 2 | 3 |
| 7.  | I Gusti Ngurah Kresna Agastya | 2               | 4 | 3 | 4 | 4 | 3 | 3 | 5 |
| 8.  | I Kadek Sadu Wiguna           | 2               | 4 | 4 | 4 | 4 | 4 | 5 | 4 |
| 9.  | I Komang Satria Laksana       | 4               | 4 | 2 | 2 | 2 | 3 | 2 | 4 |
| 10. | I Putu Narayana Mahendra      | 5               | 5 | 5 | 4 | 4 | 5 | 5 | 5 |
| 11. | I Wayan Pasek Kurnia          | 4               | 5 | 4 | 3 | 3 | 3 | 4 | 4 |
| 12. | Kadek Agus Raditya            | 5               | 5 | 4 | 4 | 4 | 4 | 5 | 4 |
| 13. | Kadek Aira Saccani            | 3               | 4 | 4 | 3 | 2 | 2 | 2 | 2 |
| 14. | Kadek Anggun Riani Putri      | 3               | 4 | 3 | 4 | 3 | 4 | 4 | 4 |
| 15. | Kadek Astrid Ardyanti         | 4               | 2 | 4 | 2 | 2 | 2 | 4 | 4 |
| 16. | Kadek Handy Surya Acintya     | 4               | 5 | 4 | 4 | 4 | 5 | 5 | 5 |
| 17. | Kadek Indah Hardiyantini      | 2               | 5 | 4 | 2 | 3 | 3 | 4 | 4 |
| 18. | Kadek Sudha Whirat            | 2               | 4 | 2 | 2 | 2 | 3 | 3 | 4 |
| 19. | Ketut Harta Karunia Suari     | 5               | 5 | 4 | 4 | 3 | 5 | 5 | 4 |
| 20. | Komang Agastian Teja          | 4               | 4 | 2 | 2 | 2 | 3 | 4 | 3 |
| 21. | Komang Ardhyamahinsa          | 5               | 5 | 4 | 4 | 4 | 5 | 5 | 4 |
| 22. | Luh Misshyel Kanaya           | 5               | 5 | 5 | 4 | 2 | 5 | 5 | 3 |
| 23. | Made Tina Wijaya              | 4               | 5 | 2 | 3 | 4 | 4 | 5 | 4 |
| 24. | Ngurah Kade Aldena Nakarya    | 4               | 4 | 4 | 4 | 3 | 4 | 5 | 4 |
| 25. | Ni Putu Anggi Novita Dewi     | 3               | 4 | 2 | 2 | 3 | 2 | 3 | 2 |
| 26. | Ni Putu Melda Mahayoni        | 4               | 5 | 4 | 3 | 4 | 4 | 5 | 4 |
| 27. | Nyoman Dita Triutami Swari    | 3               | 4 | 1 | 3 | 1 | 2 | 3 | 3 |
| 28. | Pande Ketut Gede Satya Prema  | 5               | 5 | 5 | 2 | 4 | 4 | 5 | 5 |
| 29. | Putu Aishwarya Chandra        | 4               | 4 | 1 | 1 | 3 | 4 | 5 | 5 |
| 30. | Putu Andre Julio              | 4               | 4 | 1 | 4 | 5 | 4 | 2 | 4 |
| 31. | Putu Astyra Mahayani Putri    | 4               | 4 | 5 | 4 | 3 | 3 | 5 | 1 |
| 32. | Putu Atisa Berlianda Putri    | 5               | 5 | 5 | 2 | 2 | 5 | 5 | 4 |
| 33. | Putu Tian Dema Putri          | 4               | 5 | 1 | 1 | 3 | 2 | 2 | 4 |
| 34. | Ayu Savita Giridara Bukian    | 1               | 3 | 2 | 2 | 1 | 3 | 4 | 4 |
| 35. | Chania Marmora Oriana         | 4               | 4 | 4 | 4 | 4 | 4 | 5 | 4 |
| 36. | Desak Putu Firsha Anandita    | 5               | 4 | 4 | 1 | 1 | 4 | 5 | 3 |
| 37. | Farid Ardiansyah              | 3               | 4 | 4 | 3 | 4 | 4 | 4 | 4 |
| 38. | Gede Adi Amerta               | 4               | 4 | 3 | 1 | 2 | 4 | 4 | 4 |

| No  | Nama Responden                | Item Pernyataan |   |   |   |   |   |   |   |
|-----|-------------------------------|-----------------|---|---|---|---|---|---|---|
|     |                               | 1               | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 39. | Gede Andra Wipartha           | 4               | 3 | 2 | 3 | 4 | 3 | 3 | 5 |
| 40. | Gede Mas Wira Nugraha         | 5               | 5 | 4 | 3 | 4 | 4 | 5 | 4 |
| 41. | Gede Ngurah Andhika           | 4               | 4 | 2 | 4 | 4 | 4 | 5 | 3 |
| 42. | Gede Puja Agastya             | 5               | 5 | 4 | 3 | 2 | 4 | 4 | 4 |
| 43. | Gede Yudi Putra Sastrawan     | 3               | 5 | 5 | 5 | 5 | 2 | 5 | 5 |
| 44. | Kadek Bayu Artadinata         | 2               | 4 | 4 | 3 | 5 | 5 | 5 | 4 |
| 45. | Kadek Diah Pradnyani          | 5               | 5 | 3 | 2 | 3 | 4 | 4 | 4 |
| 46. | Kadek Ghian Kurniasaka        | 4               | 3 | 2 | 1 | 1 | 4 | 5 | 3 |
| 47. | Ketut Velyia Bunga            | 4               | 4 | 3 | 5 | 4 | 4 | 4 | 4 |
| 48. | Komang Dhina Widiayunita      | 5               | 4 | 3 | 4 | 4 | 4 | 4 | 4 |
| 49. | Komang Diva Ade Saputra       | 5               | 5 | 5 | 3 | 4 | 3 | 4 | 4 |
| 50. | Komang Tisna Putri Ardianti   | 5               | 5 | 4 | 3 | 2 | 5 | 5 | 4 |
| 51. | Luh Dera Nindy Agitanaya      | 4               | 4 | 2 | 4 | 4 | 4 | 4 | 2 |
| 52. | Made Devina Yanti             | 2               | 5 | 4 | 4 | 2 | 4 | 3 | 5 |
| 53. | Made Panji Ananta Udrayana    | 3               | 3 | 3 | 2 | 2 | 3 | 4 | 5 |
| 54. | Ni Gusti Ayu Ratih Indira     | 4               | 4 | 2 | 3 | 2 | 3 | 4 | 4 |
| 55. | Ni Made Kinanti Aishvarya     | 4               | 4 | 3 | 3 | 4 | 5 | 4 | 4 |
| 56. | Putu Abby Dhanuartha          | 3               | 4 | 4 | 4 | 4 | 3 | 3 | 2 |
| 57. | Putu Aby Nanda Pratama        | 4               | 4 | 3 | 2 | 2 | 3 | 5 | 5 |
| 58. | Putu Almira Praba Jayanti     | 5               | 5 | 3 | 4 | 4 | 5 | 5 | 3 |
| 59. | Putu Annika Putri Swanjaya    | 4               | 4 | 4 | 3 | 2 | 4 | 4 | 4 |
| 60. | Putu Ardi Suadnyana           | 5               | 5 | 4 | 1 | 5 | 4 | 5 | 5 |
| 61. | Putu Dea Renata               | 5               | 4 | 2 | 3 | 2 | 4 | 4 | 4 |
| 62. | Putu Gresia Ananditha Pratiwi | 5               | 4 | 3 | 4 | 4 | 4 | 4 | 4 |
| 63. | Putu Mahendra Hanaya Putra    | 4               | 5 | 4 | 3 | 3 | 4 | 5 | 4 |
| 64. | Putu Rachela Avenia Santosa   | 4               | 4 | 4 | 4 | 2 | 4 | 4 | 4 |
| 65. | Putu Subianta Irene Mulyani   | 5               | 5 | 4 | 5 | 4 | 5 | 5 | 3 |

| No  | Nama Responden                | Item Pernyataan |    |    |    |    |    |    |    |
|-----|-------------------------------|-----------------|----|----|----|----|----|----|----|
|     |                               | 9               | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1.  | Desak Putu Ganeshia Reshmi    | 3               | 2  | 3  | 3  | 4  | 4  | 2  | 4  |
| 2.  | Desak Putu Luna Meika Dianti  | 2               | 2  | 4  | 3  | 3  | 4  | 2  | 4  |
| 3.  | Dewa Gede Anggan Triatmana    | 3               | 2  | 3  | 3  | 3  | 3  | 3  | 5  |
| 4.  | Gede Aryawan Dinata           | 5               | 4  | 4  | 5  | 4  | 5  | 5  | 5  |
| 5.  | Gede Bagus Cetta Gellardi     | 4               | 3  | 2  | 4  | 2  | 4  | 3  | 4  |
| 6.  | Gede Daren Maha Suardika      | 3               | 4  | 2  | 3  | 2  | 4  | 2  | 4  |
| 7.  | I Gusti Ngurah Kresna Agastya | 3               | 3  | 3  | 2  | 3  | 4  | 4  | 4  |
| 8.  | I Kadek Sadu Wiguna           | 4               | 3  | 2  | 4  | 2  | 4  | 4  | 4  |
| 9.  | I Komang Satria Laksana       | 3               | 3  | 2  | 4  | 3  | 4  | 2  | 4  |
| 10. | I Putu Narayana Mahendra      | 4               | 5  | 4  | 4  | 4  | 5  | 4  | 4  |
| 11. | I Wayan Pasek Kurnia          | 3               | 4  | 4  | 3  | 4  | 5  | 3  | 4  |
| 12. | Kadek Agus Raditya            | 4               | 3  | 4  | 4  | 4  | 5  | 4  | 5  |
| 13. | Kadek Aira Saccani            | 2               | 2  | 2  | 2  | 2  | 1  | 2  | 3  |
| 14. | Kadek Anggun Riani Putri      | 4               | 2  | 4  | 3  | 3  | 3  | 2  | 5  |



| No  | Nama Responden               | Item Pernyataan |    |    |    |    |    |    |    |
|-----|------------------------------|-----------------|----|----|----|----|----|----|----|
|     |                              | 9               | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 15. | Kadek Astrid Ardyanti        | 3               | 2  | 2  | 2  | 2  | 4  | 2  | 5  |
| 16. | Kadek Handy Surya Acintya    | 5               | 2  | 5  | 2  | 3  | 4  | 3  | 4  |
| 17. | Kadek Indah Hardiyantini     | 4               | 2  | 4  | 3  | 3  | 3  | 4  | 4  |
| 18. | Kadek Sudha Whirat           | 2               | 2  | 3  | 3  | 2  | 3  | 2  | 4  |
| 19. | Ketut Harta Karunia Suari    | 4               | 4  | 4  | 4  | 3  | 4  | 4  | 4  |
| 20. | Komang Agastian Teja         | 3               | 1  | 2  | 2  | 2  | 4  | 2  | 5  |
| 21. | Komang Ardhyamahinsa         | 4               | 4  | 4  | 4  | 3  | 4  | 3  | 5  |
| 22. | Luh Misshyel Kanaya          | 5               | 4  | 4  | 4  | 4  | 4  | 4  | 5  |
| 23. | Made Tina Wijaya             | 3               | 3  | 4  | 4  | 3  | 3  | 4  | 4  |
| 24. | Ngurah Kade Aldena Nakarya   | 2               | 3  | 4  | 4  | 4  | 3  | 3  | 5  |
| 25. | Ni Putu Anggi Novita Dewi    | 3               | 2  | 3  | 2  | 2  | 3  | 2  | 3  |
| 26. | Ni Putu Melda Mahayoni       | 4               | 4  | 4  | 4  | 3  | 4  | 4  | 4  |
| 27. | Nyoman Dita Triutami Swari   | 3               | 4  | 2  | 4  | 5  | 3  | 2  | 4  |
| 28. | Pande Ketut Gede Satya Prema | 4               | 4  | 4  | 4  | 3  | 4  | 4  | 5  |
| 29. | Putu Aishwarya Chandra       | 1               | 1  | 4  | 2  | 2  | 4  | 2  | 5  |
| 30. | Putu Andre Julio             | 1               | 1  | 3  | 4  | 4  | 4  | 1  | 4  |
| 31. | Putu Astyra Mahayani Putri   | 5               | 3  | 4  | 3  | 2  | 4  | 3  | 5  |
| 32. | Putu Atisa Berlianda Putri   | 5               | 4  | 4  | 4  | 4  | 5  | 4  | 4  |
| 33. | Putu Tian Dema Putri         | 2               | 1  | 3  | 3  | 3  | 3  | 2  | 4  |
| 34. | Ayu Savita Giridara Bukian   | 2               | 2  | 2  | 1  | 1  | 4  | 1  | 4  |
| 35. | Chania Marmora Oriana        | 2               | 1  | 5  | 4  | 2  | 4  | 2  | 5  |
| 36. | Desak Putu Firsha Anandita   | 2               | 4  | 4  | 3  | 1  | 5  | 1  | 4  |
| 37. | Farid Ardiansyah             | 3               | 2  | 4  | 3  | 3  | 4  | 3  | 4  |
| 38. | Gede Adi Amerta              | 1               | 1  | 3  | 3  | 3  | 2  | 1  | 4  |
| 39. | Gede Andra Wipartha          | 1               | 3  | 4  | 4  | 3  | 2  | 2  | 4  |
| 40. | Gede Mas Wira Nugraha        | 3               | 5  | 4  | 3  | 3  | 3  | 4  | 4  |
| 41. | Gede Ngurah Andhika          | 4               | 3  | 4  | 4  | 3  | 4  | 2  | 3  |
| 42. | Gede Puja Agastya            | 3               | 4  | 5  | 4  | 4  | 4  | 4  | 5  |
| 43. | Gede Yudi Putra Sastrawan    | 5               | 3  | 5  | 3  | 3  | 2  | 2  | 5  |
| 44. | Kadek Bayu Artadinata        | 3               | 2  | 3  | 4  | 2  | 2  | 2  | 5  |
| 45. | Kadek Diah Pradnyani         | 2               | 3  | 4  | 3  | 3  | 3  | 2  | 4  |
| 46. | Kadek Ghian Kurniasaka       | 1               | 1  | 3  | 2  | 2  | 5  | 2  | 5  |
| 47. | Ketut Velyia Bunga           | 3               | 2  | 3  | 4  | 3  | 2  | 2  | 4  |
| 48. | Komang Dhina Widiayunita     | 4               | 2  | 4  | 4  | 4  | 4  | 4  | 4  |
| 49. | Komang Diva Ade Saputra      | 3               | 3  | 4  | 4  | 4  | 4  | 4  | 4  |
| 50. | Komang Tisna Putri Ardianti  | 4               | 4  | 4  | 3  | 3  | 3  | 1  | 4  |
| 51. | Luh Dera Nindy Agitanaya     | 3               | 2  | 3  | 3  | 3  | 4  | 2  | 4  |
| 52. | Made Devina Yanti            | 3               | 4  | 4  | 4  | 2  | 4  | 3  | 5  |
| 53. | Made Panji Ananta Udrayana   | 2               | 3  | 3  | 3  | 3  | 4  | 4  | 2  |
| 54. | Ni Gusti Ayu Ratih Indira    | 3               | 2  | 4  | 3  | 4  | 3  | 2  | 4  |
| 55. | Ni Made Kinanti Aishwarya    | 4               | 3  | 4  | 4  | 4  | 4  | 4  | 4  |
| 56. | Putu Abby Dhanuartha         | 4               | 4  | 3  | 3  | 4  | 4  | 4  | 4  |
| 57. | Putu Aby Nanda Pratama       | 4               | 5  | 2  | 4  | 2  | 1  | 1  | 5  |
| 58. | Putu Almira Praba Jayanti    | 4               | 4  | 4  | 3  | 3  | 3  | 3  | 5  |

| No  | Nama Responden                | Item Pernyataan |    |    |    |    |    |    |    |
|-----|-------------------------------|-----------------|----|----|----|----|----|----|----|
|     |                               | 9               | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 59. | Putu Annika Putri Swanjaya    | 3               | 3  | 3  | 4  | 3  | 4  | 2  | 4  |
| 60. | Putu Ardi Suadnyana           | 5               | 5  | 5  | 5  | 3  | 5  | 5  | 5  |
| 61. | Putu Dea Renata               | 2               | 2  | 4  | 4  | 4  | 3  | 3  | 4  |
| 62. | Putu Gresia Ananditha Pratiwi | 3               | 4  | 2  | 4  | 3  | 4  | 3  | 4  |
| 63. | Putu Mahendra Hanaya Putra    | 4               | 3  | 4  | 4  | 3  | 3  | 3  | 4  |
| 64. | Putu Rachela Avenia Santosa   | 4               | 3  | 3  | 3  | 2  | 3  | 2  | 5  |
| 65. | Putu Subianta Irene Mulyani   | 4               | 5  | 4  | 4  | 3  | 4  | 3  | 5  |

| No  | Nama Responden             | Item Pernyataan |    |    |    |    |    |    |    |
|-----|----------------------------|-----------------|----|----|----|----|----|----|----|
|     |                            | 17              | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 1.  | Desak Putu Ganeshia Reshmi | 4               | 4  | 4  | 4  | 4  | 5  | 4  | 5  |
| 2.  | Desak Putu Luna Meika      | 4               | 2  | 4  | 4  | 3  | 4  | 4  | 2  |
| 3.  | Dewa Gede Anggan           | 4               | 3  | 3  | 3  | 4  | 4  | 4  | 3  |
| 4.  | Gede Aryawan Dinata        | 5               | 5  | 4  | 5  | 4  | 5  | 5  | 5  |
| 5.  | Gede Bagus Cetta Gellardi  | 3               | 2  | 4  | 3  | 4  | 4  | 4  | 4  |
| 6.  | Gede Daren Maha Suardika   | 4               | 3  | 4  | 3  | 2  | 3  | 3  | 3  |
| 7.  | I Gusti Ngurah Kresna      | 4               | 4  | 2  | 4  | 3  | 3  | 4  | 4  |
| 8.  | I Kadek Sadu Wiguna        | 3               | 2  | 5  | 4  | 5  | 4  | 4  | 4  |
| 9.  | I Komang Satria Laksana    | 4               | 2  | 2  | 4  | 3  | 4  | 4  | 2  |
| 10. | I Putu Narayana Mahendra   | 5               | 5  | 2  | 4  | 4  | 4  | 4  | 4  |
| 11. | I Wayan Pasek Kurnia       | 4               | 3  | 3  | 3  | 5  | 4  | 5  | 4  |
| 12. | Kadek Agus Raditya         | 4               | 4  | 4  | 5  | 4  | 4  | 4  | 4  |
| 13. | Kadek Aira Saccani         | 2               | 4  | 4  | 4  | 2  | 2  | 2  | 2  |
| 14. | Kadek Anggun Riani Putri   | 4               | 3  | 4  | 3  | 5  | 4  | 4  | 4  |
| 15. | Kadek Astrid Ardyanti      | 5               | 3  | 4  | 2  | 2  | 4  | 3  | 4  |
| 16. | Kadek Handy Surya Acintya  | 5               | 4  | 4  | 3  | 3  | 5  | 5  | 2  |
| 17. | Kadek Indah Hardiyantini   | 4               | 4  | 3  | 3  | 3  | 4  | 3  | 3  |
| 18. | Kadek Sudha Whirat         | 4               | 3  | 4  | 4  | 2  | 3  | 2  | 3  |
| 19. | Ketut Harta Karunia Suari  | 5               | 3  | 4  | 3  | 5  | 5  | 5  | 3  |
| 20. | Komang Agastian Teja       | 5               | 3  | 4  | 3  | 2  | 3  | 2  | 2  |
| 21. | Komang Ardhyamahinsa       | 5               | 4  | 4  | 4  | 5  | 4  | 4  | 4  |
| 22. | Luh Misshyel Kanaya        | 4               | 3  | 1  | 2  | 3  | 3  | 4  | 3  |
| 23. | Made Tina Wijaya           | 4               | 4  | 4  | 4  | 3  | 3  | 4  | 3  |
| 24. | Ngurah Kade Aldena Nakarya | 5               | 3  | 3  | 3  | 4  | 4  | 5  | 3  |
| 25. | Ni Putu Anggi Novita Dewi  | 4               | 2  | 2  | 2  | 2  | 2  | 4  | 3  |
| 26. | Ni Putu Melda Mahayoni     | 5               | 5  | 3  | 4  | 4  | 4  | 4  | 3  |
| 27. | Nyoman Dita Triutami Swari | 3               | 3  | 3  | 3  | 4  | 2  | 4  | 4  |
| 28. | Pande Ketut Gede Satya     | 5               | 5  | 2  | 4  | 4  | 5  | 4  | 4  |
| 29. | Putu Aishwarya Chandra     | 5               | 3  | 1  | 1  | 3  | 5  | 4  | 4  |
| 30. | Putu Andre Julio           | 5               | 4  | 5  | 5  | 4  | 4  | 1  | 3  |
| 31. | Putu Astyra Mahayani Putri | 5               | 4  | 3  | 3  | 4  | 4  | 3  | 4  |
| 32. | Putu Atisa Berlianda Putri | 5               | 4  | 1  | 2  | 4  | 5  | 4  | 4  |
| 33. | Putu Tian Dema Putri       | 3               | 1  | 3  | 3  | 2  | 3  | 4  | 3  |
| 34. | Ayu Savita Giridara Bukian | 3               | 2  | 4  | 3  | 2  | 2  | 1  | 1  |

| No  | Nama Responden                | Item Pernyataan |    |    |    |    |    |    |    |
|-----|-------------------------------|-----------------|----|----|----|----|----|----|----|
|     |                               | 17              | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 35. | Chania Marmora Oriana         | 5               | 4  | 4  | 4  | 5  | 3  | 4  | 2  |
| 36. | Desak Putu Firsha Anandita    | 4               | 3  | 5  | 2  | 5  | 5  | 4  | 3  |
| 37. | Farid Ardiansyah              | 4               | 2  | 4  | 3  | 4  | 2  | 3  | 3  |
| 38. | Gede Adi Amerta               | 5               | 3  | 3  | 2  | 3  | 3  | 4  | 3  |
| 39. | Gede Andra Wipartha           | 5               | 3  | 2  | 2  | 4  | 4  | 4  | 3  |
| 40. | Gede Mas Wira Nugraha         | 5               | 4  | 5  | 3  | 4  | 4  | 3  | 4  |
| 41. | Gede Ngurah Andhika           | 4               | 2  | 3  | 2  | 3  | 2  | 3  | 4  |
| 42. | Gede Puja Agastya             | 5               | 3  | 4  | 3  | 5  | 5  | 5  | 4  |
| 43. | Gede Yudi Putra Sastrawan     | 5               | 4  | 5  | 4  | 5  | 5  | 5  | 3  |
| 44. | Kadek Bayu Artadinata         | 4               | 3  | 4  | 2  | 3  | 2  | 2  | 2  |
| 45. | Kadek Diah Pradnyani          | 4               | 3  | 4  | 3  | 3  | 3  | 4  | 3  |
| 46. | Kadek Ghian Kurniasaka        | 4               | 2  | 2  | 4  | 2  | 4  | 2  | 4  |
| 47. | Ketut Velyia Bunga            | 4               | 3  | 4  | 3  | 4  | 3  | 4  | 4  |
| 48. | Komang Dhina Widiayunita      | 4               | 4  | 2  | 4  | 4  | 4  | 4  | 4  |
| 49. | Komang Diva Ade Saputra       | 4               | 3  | 3  | 3  | 4  | 4  | 4  | 3  |
| 50. | Komang Tisna Putri Ardianti   | 4               | 3  | 3  | 4  | 4  | 4  | 5  | 2  |
| 51. | Luh Dera Nindy Agitanaya      | 5               | 5  | 5  | 3  | 3  | 3  | 3  | 3  |
| 52. | Made Devina Yanti             | 5               | 4  | 2  | 3  | 2  | 3  | 4  | 4  |
| 53. | Made Panji Ananta Udrayana    | 3               | 4  | 3  | 3  | 4  | 3  | 3  | 2  |
| 54. | Ni Gusti Ayu Ratih Indira     | 3               | 3  | 2  | 2  | 3  | 3  | 5  | 2  |
| 55. | Ni Made Kinanti Aishvarya     | 4               | 3  | 3  | 4  | 4  | 4  | 4  | 4  |
| 56. | Putu Abby Dhanuartha          | 4               | 4  | 3  | 4  | 3  | 3  | 3  | 4  |
| 57. | Putu Aby Nanda Pratama        | 5               | 1  | 4  | 5  | 5  | 5  | 3  | 3  |
| 58. | Putu Almira Praba Jayanti     | 5               | 3  | 3  | 4  | 5  | 4  | 4  | 3  |
| 59. | Putu Annika Putri Swanjaya    | 4               | 3  | 4  | 3  | 4  | 4  | 4  | 4  |
| 60. | Putu Ardi Suadnyana           | 5               | 4  | 5  | 5  | 5  | 4  | 5  | 5  |
| 61. | Putu Dea Renata               | 4               | 3  | 1  | 2  | 4  | 4  | 5  | 2  |
| 62. | Putu Gresia Ananditha Pratiwi | 4               | 4  | 4  | 4  | 3  | 3  | 3  | 3  |
| 63. | Putu Mahendra Hanaya Putra    | 4               | 3  | 3  | 4  | 4  | 4  | 4  | 4  |
| 64. | Putu Rachela Avenia Santosa   | 5               | 4  | 4  | 4  | 4  | 3  | 3  | 2  |
| 65. | Putu Subianta Irene Mulyani   | 5               | 4  | 4  | 5  | 5  | 5  | 5  | 3  |

| No  | Nama Responden             | Item Pernyataan |    |    |    |    |    |    |    |
|-----|----------------------------|-----------------|----|----|----|----|----|----|----|
|     |                            | 25              | 26 | 27 | 28 | 29 | 30 | 31 | 32 |
| 1.  | Desak Putu Ganeshia Reshmi | 4               | 3  | 3  | 3  | 3  | 2  | 3  | 3  |
| 2.  | Desak Putu Luna Meika      | 4               | 4  | 4  | 2  | 3  | 4  | 4  | 4  |
| 3.  | Dewa Gede Anggan           | 3               | 4  | 4  | 3  | 2  | 3  | 4  | 4  |
| 4.  | Gede Aryawan Dinata        | 5               | 4  | 4  | 2  | 4  | 4  | 4  | 4  |
| 5.  | Gede Bagus Cetta Gellardi  | 3               | 4  | 3  | 3  | 2  | 2  | 3  | 3  |
| 6.  | Gede Daren Maha Suardika   | 2               | 4  | 3  | 3  | 3  | 2  | 3  | 3  |
| 7.  | I Gusti Ngurah Kresna      | 4               | 3  | 3  | 4  | 2  | 3  | 4  | 4  |
| 8.  | I Kadek Sadu Wiguna        | 4               | 3  | 2  | 3  | 4  | 2  | 4  | 3  |
| 9.  | I Komang Satria Laksana    | 2               | 4  | 4  | 2  | 3  | 3  | 4  | 4  |
| 10. | I Putu Narayana Mahendra   | 4               | 5  | 4  | 1  | 2  | 2  | 4  | 4  |

| No  | Nama Responden              | Item Pernyataan |    |    |    |    |    |    |    |
|-----|-----------------------------|-----------------|----|----|----|----|----|----|----|
|     |                             | 25              | 26 | 27 | 28 | 29 | 30 | 31 | 32 |
| 11. | I Wayan Pasek Kurnia        | 3               | 3  | 4  | 3  | 3  | 2  | 3  | 4  |
| 12. | Kadek Agus Raditya          | 4               | 4  | 4  | 4  | 4  | 4  | 4  | 4  |
| 13. | Kadek Aira Saccani          | 2               | 4  | 2  | 2  | 1  | 1  | 2  | 3  |
| 14. | Kadek Anggun Riani Putri    | 4               | 4  | 3  |    | 2  | 2  | 4  | 4  |
| 15. | Kadek Astrid Ardyanti       | 4               | 3  | 2  | 3  | 2  | 2  | 3  | 3  |
| 16. | Kadek Handy Surya Acintya   | 2               | 5  | 3  | 1  | 1  | 1  | 5  | 5  |
| 17. | Kadek Indah Hardiyantini    | 3               | 3  | 3  | 3  | 4  | 3  | 2  | 4  |
| 18. | Kadek Sudha Whirat          | 3               | 2  | 2  | 4  | 2  | 2  | 2  | 3  |
| 19. | Ketut Harta Karunia Suari   | 4               | 4  | 5  | 1  | 4  | 3  | 5  | 5  |
| 20. | Komang Agastian Teja        | 2               | 3  | 3  | 3  | 2  | 3  | 3  | 4  |
| 21. | Komang Ardhyamahinsa        | 4               | 4  | 3  | 3  | 4  | 4  | 4  | 4  |
| 22. | Luh Misshyel Kanaya         | 4               | 1  | 4  | 1  | 1  | 1  | 5  | 5  |
| 23. | Made Tina Wijaya            | 5               | 4  | 5  | 4  | 4  | 4  | 4  | 4  |
| 24. | Ngurah Kade Aldena Nakarya  | 3               | 4  | 4  | 1  | 3  | 2  | 4  | 5  |
| 25. | Ni Putu Anggi Novita Dewi   | 4               | 2  | 2  | 2  | 4  | 3  | 2  | 3  |
| 26. | Ni Putu Melda Mahayoni      | 4               | 4  | 5  | 3  | 4  | 3  | 3  | 5  |
| 27. | Nyoman Dita Triutami Swari  | 2               | 3  | 3  | 4  | 4  | 3  | 4  | 4  |
| 28. | Pande Ketut Gede Satya      | 4               | 4  | 4  | 1  | 4  | 2  | 5  | 4  |
| 29. | Putu Aishwarya Chandra      | 5               | 3  | 2  | 2  | 1  | 2  | 5  | 4  |
| 30. | Putu Andre Julio            | 2               | 3  | 4  | 5  | 5  | 3  | 3  | 4  |
| 31. | Putu Astyra Mahayani Putri  | 4               | 4  | 4  | 2  | 3  | 3  | 4  | 4  |
| 32. | Putu Atisa Berlianda Putri  | 4               | 5  | 5  | 4  | 5  | 5  | 5  | 5  |
| 33. | Putu Tian Dema Putri        | 1               | 3  | 4  | 2  | 3  | 2  | 2  | 2  |
| 34. | Ayu Savita Giridara Bukian  | 1               | 3  | 3  | 4  | 4  | 3  | 1  | 2  |
| 35. | Chania Marmora Oriana       | 4               | 5  | 5  | 4  | 4  | 4  | 4  | 4  |
| 36. | Desak Putu Firsha Anandita  | 5               | 5  | 3  | 1  | 4  | 5  | 4  | 5  |
| 37. | Farid Ardiansyah            | 2               | 4  | 4  | 3  | 1  | 2  | 3  | 4  |
| 38. | Gede Adi Amerta             | 2               | 3  | 4  | 3  | 2  | 3  | 4  | 3  |
| 39. | Gede Andra Wipartha         | 2               | 5  | 4  | 2  | 3  | 3  | 4  | 4  |
| 40. | Gede Mas Wira Nugraha       | 5               | 4  | 4  | 3  | 4  | 3  | 4  | 4  |
| 41. | Gede Ngurah Andhika         | 4               | 3  | 3  | 3  | 2  | 3  | 2  | 4  |
| 42. | Gede Puja Agastya           | 4               | 5  | 4  | 3  | 4  | 3  | 5  | 5  |
| 43. | Gede Yudi Putra Sastrawan   | 5               | 5  | 3  | 2  | 3  | 3  | 5  | 5  |
| 44. | Kadek Bayu Artadinata       | 2               | 4  | 5  | 2  | 2  | 2  | 4  | 5  |
| 45. | Kadek Diah Pradnyani        | 3               | 5  | 4  | 1  | 3  | 3  | 4  | 4  |
| 46. | Kadek Ghian Kurniasaka      | 1               | 4  | 3  | 3  | 3  | 2  | 4  | 4  |
| 47. | Ketut Velyia Bunga          | 4               | 2  | 4  | 2  | 5  | 5  | 4  | 4  |
| 48. | Komang Dhina Widiayunita    | 4               | 4  | 4  | 4  | 4  | 4  | 4  | 4  |
| 49. | Komang Diva Ade Saputra     | 3               | 4  | 4  | 3  | 3  | 3  | 3  | 5  |
| 50. | Komang Tisna Putri Ardianti | 3               | 4  | 4  | 3  | 3  | 3  | 4  | 4  |
| 51. | Luh Dera Nindy Agitanaya    | 3               | 4  | 2  | 3  | 3  | 3  | 5  | 5  |
| 52. | Made Devina Yanti           | 5               | 4  | 4  | 2  | 2  | 4  | 4  | 5  |
| 53. | Made Panji Ananta Udrayana  | 3               | 3  | 4  | 2  | 3  | 3  | 2  | 2  |
| 54. | Ni Gusti Ayu Ratih Indira   | 2               | 3  | 4  | 1  | 3  | 1  | 4  | 3  |



| No  | Nama Responden                | Item Pernyataan |    |    |    |    |    |    |    |
|-----|-------------------------------|-----------------|----|----|----|----|----|----|----|
|     |                               | 25              | 26 | 27 | 28 | 29 | 30 | 31 | 32 |
| 55. | Ni Made Kinanti Aishvarya     | 4               | 4  | 4  | 3  | 4  | 3  | 4  | 4  |
| 56. | Putu Abby Dhanuartha          | 4               | 3  | 4  | 2  | 3  | 4  | 4  | 3  |
| 57. | Putu Aby Nanda Pratama        | 3               | 3  | 4  | 1  | 1  | 1  | 2  | 2  |
| 58. | Putu Almira Praba Jayanti     | 3               | 4  | 3  | 3  | 3  | 3  | 4  | 4  |
| 59. | Putu Annika Putri Swanjaya    | 4               | 4  | 3  | 3  | 3  | 3  | 4  | 4  |
| 60. | Putu Ardi Suadnyana           | 5               | 5  | 5  | 2  | 3  | 4  | 5  | 4  |
| 61. | Putu Dea Renata               | 2               | 3  | 4  | 2  | 1  | 2  | 4  | 3  |
| 62. | Putu Gresia Ananditha Pratiwi | 2               | 4  | 5  | 3  | 2  | 2  | 3  | 4  |
| 63. | Putu Mahendra Hanaya Putra    | 4               | 5  | 4  | 2  | 4  | 4  | 4  | 4  |
| 64. | Putu Rachela Avenia Santosa   | 2               | 4  | 3  | 4  | 2  | 2  | 4  | 3  |
| 65. | Putu Subianta Irene Mulyani   | 2               | 5  | 5  | 2  | 2  | 3  | 5  | 5  |

| No  | Nama Responden                 | Item Pernyataan |    |    |       |
|-----|--------------------------------|-----------------|----|----|-------|
|     |                                | 33              | 34 | 35 | Total |
| 1.  | Desak Putu Ganeshia Reshmi     | 2               | 3  | 4  | 120   |
| 2.  | Desak Putu Luna Meika Dianti   | 4               | 4  | 4  | 120   |
| 3.  | Dewa Gede Anggan Triatmana     | 4               | 3  | 4  | 120   |
| 4.  | Gede Aryawan Dinata            | 4               | 4  | 5  | 155   |
| 5.  | Gede Bagus Cetta Gellardi      | 4               | 4  | 4  | 119   |
| 6.  | Gede Daren Maha Suardika       | 4               | 4  | 3  | 110   |
| 7.  | I Gusti Ngurah Kresna Agastya  | 4               | 4  | 4  | 121   |
| 8.  | I Kadek Sadu Wiguna            | 2               | 3  | 1  | 120   |
| 9.  | I Komang Satria Laksana Widama | 4               | 2  | 3  | 108   |
| 10. | I Putu Narayana Mahendra       | 5               | 5  | 5  | 145   |
| 11. | I Wayan Pasek Kurnia           | 3               | 3  | 3  | 125   |
| 12. | Kadek Agus Raditya             | 4               | 4  | 4  | 145   |
| 13. | Kadek Aira Saccani             | 3               | 2  | 3  | 85    |
| 14. | Kadek Anggun Riani Putri       | 4               | 2  | 3  | 118   |
| 15. | Kadek Astrid Ardyanti          | 4               | 3  | 4  | 106   |
| 16. | Kadek Handy Surya Acintya      | 4               | 4  | 5  | 131   |
| 17. | Kadek Indah Hardiyantini       | 3               | 3  | 3  | 115   |
| 18. | Kadek Sudha Whirat             | 3               | 4  | 2  | 97    |
| 19. | Ketut Harta Karunia Suari      | 5               | 4  | 4  | 143   |
| 20. | Komang Agastian Teja           | 2               | 3  | 3  | 100   |
| 21. | Komang Ardhyamahinsa Dhanika   | 5               | 4  | 4  | 144   |
| 22. | Luh Misshyel Kanaya Erawady    | 5               | 5  | 5  | 128   |
| 23. | Made Tina Wijaya               | 3               | 4  | 3  | 132   |
| 24. | Ngurah Kade Aldena Nakarya     | 5               | 3  | 3  | 127   |
| 25. | Ni Putu Anggi Novita Dewi      | 3               | 3  | 4  | 94    |
| 26. | Ni Putu Melda Mahayoni Pratiwi | 5               | 4  | 5  | 141   |
| 27. | Nyoman Dita Triutami Swari     | 3               | 3  | 3  | 109   |
| 28. | Pande Ketut Gede Satya Prema   | 4               | 4  | 5  | 141   |
| 29. | Putu Aishwarya Chandra Gupita  | 4               | 3  | 5  | 110   |
| 30. | Putu Andre Julio               | 3               | 2  | 1  | 116   |

| No  | Nama Responden                   | Item Pernyataan |    |    |       |
|-----|----------------------------------|-----------------|----|----|-------|
|     |                                  | 33              | 34 | 35 | Total |
| 31. | Putu Astyra Mahayani Putri       | 4               | 4  | 4  | 128   |
| 32. | Putu Atisa Berlianda Putri       | 4               | 3  | 3  | 144   |
| 33. | Putu Tian Dema Putri             | 1               | 5  | 5  | 95    |
| 34. | Ayu Savita Giridara Bukian       | 5               | 3  | 4  | 88    |
| 35. | Chania Marmora Oriana            | 3               | 4  | 5  | 135   |
| 36. | Desak Putu Firsha Anandita       | 5               | 3  | 4  | 126   |
| 37. | Farid Ardiansyah                 | 3               | 4  | 3  | 114   |
| 38. | Gede Adi Amerta                  | 4               | 3  | 2  | 103   |
| 39. | Gede Andra Wipartha              | 4               | 2  | 5  | 115   |
| 40. | Gede Mas Wira Nugraha            | 3               | 3  | 3  | 135   |
| 41. | Gede Ngurah Andhika Setiawan     | 4               | 3  | 1  | 112   |
| 42. | Gede Puja Agastya                | 5               | 3  | 4  | 143   |
| 43. | Gede Yudi Putra Sastrawan        | 5               | 5  | 5  | 145   |
| 44. | Kadek Bayu Artadinata            | 3               | 3  | 5  | 114   |
| 45. | Kadek Diah Pradnyani             | 3               | 3  | 3  | 117   |
| 46. | Kadek Ghian Kurniasaka           | 4               | 1  | 2  | 99    |
| 47. | Ketut Velyia Bunga Permatasari   | 3               | 4  | 5  | 126   |
| 48. | Komang Dhina Widiayunita         | 4               | 4  | 4  | 136   |
| 49. | Komang Diva Ade Saputra          | 4               | 3  | 3  | 129   |
| 50. | Komang Tisna Putri Ardianti      | 4               | 4  | 4  | 128   |
| 51. | Luh Dera Nindy Agitanaya         | 3               | 3  | 3  | 119   |
| 52. | Made Devina Yanti                | 4               | 3  | 4  | 126   |
| 53. | Made Panji Ananta Udrayana       | 3               | 4  | 3  | 106   |
| 54. | Ni Gusti Ayu Ratih Indira Suari  | 5               | 3  | 1  | 104   |
| 55. | Ni Made Kinanti Aishvarya Gangga | 4               | 4  | 5  | 135   |
| 56. | Putu Abby Dhanuartha             | 4               | 3  | 3  | 122   |
| 57. | Putu Aby Nanda Pratama           | 3               | 5  | 4  | 112   |
| 58. | Putu Almira Praba Jayanti        | 4               | 3  | 3  | 131   |
| 59. | Putu Annika Putri Swanjaya       | 4               | 3  | 3  | 123   |
| 60. | Putu Ardi Suadnyana              | 5               | 4  | 5  | 157   |
| 61. | Putu Dea Renata                  | 4               | 1  | 2  | 107   |
| 62. | Putu Gresia Ananditha Pratiwi    | 3               | 3  | 4  | 122   |
| 63. | Putu Mahendra Hanaya Putra       | 4               | 3  | 4  | 132   |
| 64. | Putu Rachela Avenia Santosa      | 4               | 2  | 4  | 118   |
| 65. | Putu Subianta Irene Mulyani      | 4               | 5  | 4  | 146   |



## Lampiran 04

### OUTPUT IBM SPSS STATISTIC 30 UNTUK ANALISIS VALIDITAS DAN RELIABILITAS KUESIONER MOTIVASI BELAJAR

#### A. ANALISIS VALIDITAS BUTIR KUESIONER

|        |                        | Item<br>1  | Item<br>2 | Item<br>3 | Item<br>4  | Item<br>5 | Item<br>6 | Item<br>7 | Item<br>8  | Item<br>9 | Item<br>10 | Item<br>11 | Item<br>12 | Item<br>13 | Item<br>14 | Item<br>15 |
|--------|------------------------|------------|-----------|-----------|------------|-----------|-----------|-----------|------------|-----------|------------|------------|------------|------------|------------|------------|
| Item 1 | Pearson<br>Correlation | 1          | ,393**    | 0,183     | -<br>0,002 | 0,069     | ,459**    | ,329**    | -<br>0,021 | 0,172     | ,366**     | ,426**     | ,389**     | ,361**     | 0,237      | 0,234      |
|        | Sig. (2-<br>tailed)    |            | 0,001     | 0,146     | 0,988      | 0,584     | 0,000     | 0,007     | 0,869      | 0,171     | 0,003      | 0,000      | 0,001      | 0,003      | 0,057      | 0,060      |
|        | N                      | 65         | 65        | 65        | 65         | 65        | 65        | 65        | 65         | 65        | 65         | 65         | 65         | 65         | 65         | 65         |
| Item 2 | Pearson<br>Correlation | ,393**     | 1         | ,371**    | 0,189      | ,310*     | ,412**    | ,280*     | 0,149      | ,499**    | ,449**     | ,550**     | ,392**     | ,361**     | 0,096      | ,462**     |
|        | Sig. (2-<br>tailed)    | 0,001      |           | 0,002     | 0,131      | 0,012     | 0,001     | 0,024     | 0,237      | 0,000     | 0,000      | 0,000      | 0,001      | 0,003      | 0,448      | 0,000      |
|        | N                      | 65         | 65        | 65        | 65         | 65        | 65        | 65        | 65         | 65        | 65         | 65         | 65         | 65         | 65         | 65         |
| Item 3 | Pearson<br>Correlation | 0,183      | ,371**    | 1         | ,338**     | 0,213     | ,274*     | ,411**    | 0,033      | ,587**    | ,499**     | ,355**     | ,272*      | 0,063      | 0,231      | ,453**     |
|        | Sig. (2-<br>tailed)    | 0,146      | 0,002     |           | 0,006      | 0,089     | 0,027     | 0,001     | 0,792      | 0,000     | 0,000      | 0,004      | 0,028      | 0,620      | 0,064      | 0,000      |
|        | N                      | 65         | 65        | 65        | 65         | 65        | 65        | 65        | 65         | 65        | 65         | 65         | 65         | 65         | 65         | 65         |
| Item 4 | Pearson<br>Correlation | -<br>0,002 | 0,189     | ,338**    | 1          | ,483**    | 0,233     | 0,076     | -<br>0,130 | ,407**    | 0,214      | 0,153      | ,290*      | ,287*      | 0,001      | 0,192      |
|        | Sig. (2-<br>tailed)    | 0,988      | 0,131     | 0,006     |            | 0,000     | 0,062     | 0,549     | 0,301      | 0,001     | 0,087      | 0,225      | 0,019      | 0,021      | 0,992      | 0,126      |

|        |                     | Item 1 | Item 2 | Item 3 | Item 4 | Item 5 | Item 6 | Item 7 | Item 8 | Item 9 | Item 10 | Item 11 | Item 12 | Item 13 | Item 14 | Item 15 |
|--------|---------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|
|        | N                   | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65      | 65      | 65      | 65      | 65      | 65      |
| Item 5 | Pearson Correlation | 0,069  | ,310*  | 0,213  | ,483** | 1      | 0,201  | 0,134  | 0,193  | ,318** | 0,123   | ,291*   | ,367**  | 0,213   | 0,054   | ,381**  |
|        | Sig. (2-tailed)     | 0,584  | 0,012  | 0,089  | 0,000  |        | 0,108  | 0,287  | 0,124  | 0,010  | 0,331   | 0,019   | 0,003   | 0,089   | 0,667   | 0,002   |
|        | N                   | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65      | 65      | 65      | 65      | 65      | 65      |
| Item 6 | Pearson Correlation | ,459** | ,412** | ,274*  | 0,233  | 0,201  | 1      | ,584** | 0,162  | ,282*  | ,256*   | ,481**  | ,412**  | 0,200   | ,289*   | ,312*   |
|        | Sig. (2-tailed)     | 0,000  | 0,001  | 0,027  | 0,062  | 0,108  |        | 0,000  | 0,197  | 0,023  | 0,040   | 0,000   | 0,001   | 0,111   | 0,020   | 0,011   |
|        | N                   | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65      | 65      | 65      | 65      | 65      | 65      |
| Item 7 | Pearson Correlation | ,329** | ,280*  | ,411** | 0,076  | 0,134  | ,584** | 1      | 0,152  | ,419** | ,295*   | ,470**  | 0,214   | -0,075  | 0,183   | ,277*   |
|        | Sig. (2-tailed)     | 0,007  | 0,024  | 0,001  | 0,549  | 0,287  | 0,000  |        | 0,227  | 0,001  | 0,017   | 0,000   | 0,087   | 0,550   | 0,145   | 0,025   |
|        | N                   | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65      | 65      | 65      | 65      | 65      | 65      |
| Item 8 | Pearson Correlation | -0,021 | 0,149  | 0,033  | -0,130 | 0,193  | 0,162  | 0,152  | 1      | 0,003  | 0,115   | 0,218   | 0,232   | 0,102   | -0,025  | 0,180   |
|        | Sig. (2-tailed)     | 0,869  | 0,237  | 0,792  | 0,301  | 0,124  | 0,197  | 0,227  |        | 0,979  | 0,363   | 0,080   | 0,063   | 0,417   | 0,846   | 0,151   |
|        | N                   | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65      | 65      | 65      | 65      | 65      | 65      |
| Item 9 | Pearson Correlation | 0,172  | ,499** | ,587** | ,407** | ,318** | ,282*  | ,419** | 0,003  | 1      | ,541**  | ,273*   | ,338**  | 0,214   | 0,204   | ,528**  |
|        | Sig. (2-tailed)     | 0,171  | 0,000  | 0,000  | 0,001  | 0,010  | 0,023  | 0,001  | 0,979  |        | 0,000   | 0,028   | 0,006   | 0,087   | 0,104   | 0,000   |
|        | N                   | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65      | 65      | 65      | 65      | 65      | 65      |

|         |                     | Item 1 | Item 2 | Item 3 | Item 4 | Item 5 | Item 6 | Item 7 | Item 8 | Item 9 | Item 10 | Item 11 | Item 12 | Item 13 | Item 14 | Item 15 |
|---------|---------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|
| Item 10 | Pearson Correlation | ,366** | ,449** | ,499** | 0,214  | 0,123  | ,256*  | ,295*  | 0,115  | ,541** | 1       | 0,182   | ,478**  | 0,213   | 0,197   | ,453**  |
|         | Sig. (2-tailed)     | 0,003  | 0,000  | 0,000  | 0,087  | 0,331  | 0,040  | 0,017  | 0,363  | 0,000  |         | 0,148   | 0,000   | 0,088   | 0,116   | 0,000   |
|         | N                   | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65      | 65      | 65      | 65      | 65      | 65      |
| Item 11 | Pearson Correlation | ,426** | ,550** | ,355** | 0,153  | ,291*  | ,481** | ,470** | 0,218  | ,273*  | 0,182   | 1       | ,284*   | ,325**  | 0,203   | ,381**  |
|         | Sig. (2-tailed)     | 0,000  | 0,000  | 0,004  | 0,225  | 0,019  | 0,000  | 0,000  | 0,080  | 0,028  | 0,148   |         | 0,022   | 0,008   | 0,105   | 0,002   |
|         | N                   | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65      | 65      | 65      | 65      | 65      | 65      |
| Item 12 | Pearson Correlation | ,389** | ,392** | ,272*  | ,290*  | ,367** | ,412** | 0,214  | 0,232  | ,338** | ,478**  | ,284*   | 1       | ,464**  | 0,119   | ,437**  |
|         | Sig. (2-tailed)     | 0,001  | 0,001  | 0,028  | 0,019  | 0,003  | 0,001  | 0,087  | 0,063  | 0,006  | 0,000   | 0,022   |         | 0,000   | 0,343   | 0,000   |
|         | N                   | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65      | 65      | 65      | 65      | 65      | 65      |
| Item 13 | Pearson Correlation | ,361** | ,361** | 0,063  | ,287*  | 0,213  | 0,200  | -0,075 | 0,102  | 0,214  | 0,213   | ,325**  | ,464**  | 1       | 0,149   | ,438**  |
|         | Sig. (2-tailed)     | 0,003  | 0,003  | 0,620  | 0,021  | 0,089  | 0,111  | 0,550  | 0,417  | 0,087  | 0,088   | 0,008   | 0,000   |         | 0,235   | 0,000   |
|         | N                   | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65      | 65      | 65      | 65      | 65      | 65      |
| Item 14 | Pearson Correlation | 0,237  | 0,096  | 0,231  | 0,001  | 0,054  | ,289*  | 0,183  | -0,025 | 0,204  | 0,197   | 0,203   | 0,119   | 0,149   | 1       | ,424**  |
|         | Sig. (2-tailed)     | 0,057  | 0,448  | 0,064  | 0,992  | 0,667  | 0,020  | 0,145  | 0,846  | 0,104  | 0,116   | 0,105   | 0,343   | 0,235   |         | 0,000   |
|         | N                   | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65      | 65      | 65      | 65      | 65      | 65      |
| Item 15 | Pearson Correlation | 0,234  | ,462** | ,453** | 0,192  | ,381** | ,312*  | ,277*  | 0,180  | ,528** | ,453**  | ,381**  | ,437**  | ,438**  | ,424**  | 1       |

|            |                        | Item<br>1  | Item<br>2  | Item<br>3 | Item<br>4 | Item<br>5 | Item<br>6  | Item<br>7  | Item<br>8  | Item<br>9 | Item<br>10 | Item<br>11 | Item<br>12 | Item<br>13 | Item<br>14 | Item<br>15 |
|------------|------------------------|------------|------------|-----------|-----------|-----------|------------|------------|------------|-----------|------------|------------|------------|------------|------------|------------|
|            | Sig. (2-<br>tailed)    | 0,060      | 0,000      | 0,000     | 0,126     | 0,002     | 0,011      | 0,025      | 0,151      | 0,000     | 0,000      | 0,002      | 0,000      | 0,000      | 0,000      |            |
|            | N                      | 65         | 65         | 65        | 65        | 65        | 65         | 65         | 65         | 65        | 65         | 65         | 65         | 65         | 65         | 65         |
| Item<br>16 | Pearson<br>Correlation | 0,216      | 0,207      | 0,230     | 0,112     | 0,081     | ,279*      | ,358**     | 0,118      | 0,238     | 0,096      | 0,234      | 0,158      | -<br>0,074 | 0,080      | 0,051      |
|            | Sig. (2-<br>tailed)    | 0,083      | 0,098      | 0,066     | 0,375     | 0,523     | 0,024      | 0,003      | 0,350      | 0,056     | 0,445      | 0,060      | 0,209      | 0,559      | 0,526      | 0,687      |
|            | N                      | 65         | 65         | 65        | 65        | 65        | 65         | 65         | 65         | 65        | 65         | 65         | 65         | 65         | 65         | 65         |
| Item<br>17 | Pearson<br>Correlation | ,441**     | ,246*      | ,258*     | 0,118     | ,270*     | ,414**     | ,359**     | 0,204      | 0,207     | 0,237      | ,454**     | 0,219      | 0,041      | 0,165      | 0,127      |
|            | Sig. (2-<br>tailed)    | 0,000      | 0,048      | 0,038     | 0,350     | 0,030     | 0,001      | 0,003      | 0,103      | 0,098     | 0,057      | 0,000      | 0,080      | 0,747      | 0,189      | 0,315      |
|            | N                      | 65         | 65         | 65        | 65        | 65        | 65         | 65         | 65         | 65        | 65         | 65         | 65         | 65         | 65         | 65         |
| Item<br>18 | Pearson<br>Correlation | 0,216      | ,315*      | ,395**    | ,331**    | ,383**    | ,273*      | 0,131      | 0,104      | ,300*     | ,263*      | ,348**     | 0,206      | ,280*      | ,249*      | ,459**     |
|            | Sig. (2-<br>tailed)    | 0,084      | 0,011      | 0,001     | 0,007     | 0,002     | 0,028      | 0,298      | 0,410      | 0,015     | 0,034      | 0,005      | 0,100      | 0,024      | 0,045      | 0,000      |
|            | N                      | 65         | 65         | 65        | 65        | 65        | 65         | 65         | 65         | 65        | 65         | 65         | 65         | 65         | 65         | 65         |
| Item<br>19 | Pearson<br>Correlation | -<br>0,107 | -<br>0,002 | 0,137     | 0,208     | ,280*     | -<br>0,043 | 0,055      | -<br>0,087 | 0,059     | 0,049      | -<br>0,107 | 0,021      | -,270*     | -<br>0,067 | -<br>0,162 |
|            | Sig. (2-<br>tailed)    | 0,398      | 0,989      | 0,278     | 0,096     | 0,024     | 0,733      | 0,664      | 0,490      | 0,641     | 0,701      | 0,398      | 0,868      | 0,029      | 0,598      | 0,197      |
|            | N                      | 65         | 65         | 65        | 65        | 65        | 65         | 65         | 65         | 65        | 65         | 65         | 65         | 65         | 65         | 65         |
| Item<br>20 | Pearson<br>Correlation | 0,088      | ,262*      | 0,194     | ,306*     | ,326**    | 0,134      | -<br>0,007 | 0,073      | ,288*     | ,293*      | 0,003      | ,306*      | 0,136      | 0,120      | 0,241      |
|            | Sig. (2-<br>tailed)    | 0,486      | 0,035      | 0,122     | 0,013     | 0,008     | 0,286      | 0,956      | 0,561      | 0,020     | 0,018      | 0,979      | 0,013      | 0,279      | 0,342      | 0,053      |

|            |                        | Item<br>1 | Item<br>2 | Item<br>3 | Item<br>4 | Item<br>5 | Item<br>6 | Item<br>7 | Item<br>8 | Item<br>9 | Item<br>10 | Item<br>11 | Item<br>12 | Item<br>13 | Item<br>14 | Item<br>15 |
|------------|------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|
|            | N                      | 65        | 65        | 65        | 65        | 65        | 65        | 65        | 65        | 65        | 65         | 65         | 65         | 65         | 65         | 65         |
| Item<br>21 | Pearson<br>Correlation | ,349**    | ,342**    | ,363**    | ,312*     | ,297*     | ,388**    | ,478**    | ,245*     | ,361**    | ,455**     | ,449**     | ,535**     | ,296*      | 0,090      | ,268*      |
|            | Sig. (2-<br>tailed)    | 0,004     | 0,005     | 0,003     | 0,011     | 0,016     | 0,001     | 0,000     | 0,049     | 0,003     | 0,000      | 0,000      | 0,000      | 0,017      | 0,474      | 0,031      |
|            | N                      | 65        | 65        | 65        | 65        | 65        | 65        | 65        | 65        | 65        | 65         | 65         | 65         | 65         | 65         | 65         |
| Item<br>22 | Pearson<br>Correlation | ,418**    | ,320**    | ,361**    | 0,040     | 0,108     | ,320**    | ,378**    | ,316*     | ,286*     | ,297*      | ,397**     | ,252*      | 0,176      | ,272*      | ,253*      |
|            | Sig. (2-<br>tailed)    | 0,001     | 0,009     | 0,003     | 0,752     | 0,392     | 0,009     | 0,002     | 0,010     | 0,021     | 0,016      | 0,001      | 0,043      | 0,162      | 0,028      | 0,042      |
|            | N                      | 65        | 65        | 65        | 65        | 65        | 65        | 65        | 65        | 65        | 65         | 65         | 65         | 65         | 65         | 65         |
| Item<br>23 | Pearson<br>Correlation | ,414**    | ,501**    | ,294*     | 0,200     | 0,125     | ,262*     | ,294*     | ,269*     | ,350**    | ,355**     | ,571**     | ,397**     | ,443**     | 0,116      | ,357**     |
|            | Sig. (2-<br>tailed)    | 0,001     | 0,000     | 0,017     | 0,110     | 0,319     | 0,035     | 0,017     | 0,030     | 0,004     | 0,004      | 0,000      | 0,001      | 0,000      | 0,359      | 0,004      |
|            | N                      | 65        | 65        | 65        | 65        | 65        | 65        | 65        | 65        | 65        | 65         | 65         | 65         | 65         | 65         | 65         |
| Item<br>24 | Pearson<br>Correlation | 0,119     | 0,184     | 0,235     | 0,099     | ,307*     | 0,095     | 0,124     | 0,102     | ,322**    | ,321**     | 0,158      | ,367**     | ,314*      | ,364**     | ,440**     |
|            | Sig. (2-<br>tailed)    | 0,346     | 0,142     | 0,060     | 0,432     | 0,013     | 0,454     | 0,324     | 0,419     | 0,009     | 0,009      | 0,210      | 0,003      | 0,011      | 0,003      | 0,000      |
|            | N                      | 65        | 65        | 65        | 65        | 65        | 65        | 65        | 65        | 65        | 65         | 65         | 65         | 65         | 65         | 65         |
| Item<br>25 | Pearson<br>Correlation | 0,164     | ,322**    | ,423**    | 0,179     | ,263*     | 0,224     | ,381**    | 0,118     | ,400**    | ,364**     | ,463**     | ,309*      | 0,078      | ,250*      | ,443**     |
|            | Sig. (2-<br>tailed)    | 0,193     | 0,009     | 0,000     | 0,153     | 0,035     | 0,073     | 0,002     | 0,350     | 0,001     | 0,003      | 0,000      | 0,012      | 0,539      | 0,044      | 0,000      |
|            | N                      | 65        | 65        | 65        | 65        | 65        | 65        | 65        | 65        | 65        | 65         | 65         | 65         | 65         | 65         | 65         |



|            |                        | Item<br>1  | Item<br>2  | Item<br>3 | Item<br>4 | Item<br>5 | Item<br>6  | Item<br>7  | Item<br>8  | Item<br>9  | Item<br>10 | Item<br>11 | Item<br>12 | Item<br>13 | Item<br>14 | Item<br>15 |
|------------|------------------------|------------|------------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Item<br>26 | Pearson<br>Correlation | ,354**     | ,299*      | ,367**    | 0,101     | 0,236     | ,314*      | ,302*      | 0,174      | 0,168      | ,298*      | ,454**     | ,250*      | -<br>0,011 | 0,175      | 0,159      |
|            | Sig. (2-<br>tailed)    | 0,004      | 0,016      | 0,003     | 0,424     | 0,059     | 0,011      | 0,014      | 0,165      | 0,180      | 0,016      | 0,000      | 0,045      | 0,933      | 0,164      | 0,207      |
|            | N                      | 65         | 65         | 65        | 65        | 65        | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         |
| Item<br>27 | Pearson<br>Correlation | ,416**     | ,390**     | 0,235     | 0,100     | 0,238     | ,422**     | ,248*      | 0,215      | 0,160      | ,341**     | ,385**     | ,587**     | ,359**     | 0,103      | ,357**     |
|            | Sig. (2-<br>tailed)    | 0,001      | 0,001      | 0,059     | 0,430     | 0,056     | 0,000      | 0,046      | 0,085      | 0,202      | 0,005      | 0,002      | 0,000      | 0,003      | 0,414      | 0,003      |
|            | N                      | 65         | 65         | 65        | 65        | 65        | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         |
| Item<br>28 | Pearson<br>Correlation | -<br>0,225 | -<br>0,159 | -,253*    | 0,074     | 0,070     | -<br>0,100 | -<br>0,203 | -<br>0,049 | -<br>0,131 | -,249*     | -<br>0,219 | -<br>0,069 | 0,041      | 0,155      | -<br>0,044 |
|            | Sig. (2-<br>tailed)    | 0,073      | 0,210      | 0,044     | 0,560     | 0,581     | 0,432      | 0,107      | 0,701      | 0,303      | 0,047      | 0,082      | 0,591      | 0,745      | 0,220      | 0,730      |
|            | N                      | 64         | 64         | 64        | 64        | 64        | 64         | 64         | 64         | 64         | 64         | 64         | 64         | 64         | 64         | 64         |
| Item<br>29 | Pearson<br>Correlation | 0,135      | 0,160      | 0,045     | 0,034     | 0,141     | 0,063      | 0,025      | -<br>0,062 | 0,064      | 0,111      | 0,150      | ,281*      | 0,209      | 0,230      | 0,194      |
|            | Sig. (2-<br>tailed)    | 0,284      | 0,204      | 0,722     | 0,788     | 0,262     | 0,616      | 0,840      | 0,622      | 0,613      | 0,377      | 0,232      | 0,023      | 0,095      | 0,065      | 0,122      |
|            | N                      | 65         | 65         | 65        | 65        | 65        | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         |
| Item<br>30 | Pearson<br>Correlation | 0,199      | 0,189      | 0,092     | 0,053     | 0,099     | 0,211      | 0,102      | -<br>0,095 | 0,080      | 0,143      | ,278*      | ,294*      | 0,071      | ,272*      | 0,187      |
|            | Sig. (2-<br>tailed)    | 0,112      | 0,133      | 0,464     | 0,677     | 0,433     | 0,091      | 0,417      | 0,453      | 0,527      | 0,255      | 0,025      | 0,018      | 0,575      | 0,028      | 0,136      |
|            | N                      | 65         | 65         | 65        | 65        | 65        | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         |
| Item<br>31 | Pearson<br>Correlation | ,478**     | ,371**     | ,293*     | ,252*     | 0,191     | ,549**     | ,410**     | 0,111      | ,299*      | ,255*      | ,520**     | ,334**     | ,307*      | 0,211      | ,306*      |

|         |                     | Item 1 | Item 2 | Item 3 | Item 4 | Item 5 | Item 6 | Item 7 | Item 8 | Item 9 | Item 10 | Item 11 | Item 12 | Item 13 | Item 14 | Item 15 |
|---------|---------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|
|         | Sig. (2-tailed)     | 0,000  | 0,002  | 0,018  | 0,043  | 0,127  | 0,000  | 0,001  | 0,378  | 0,016  | 0,041   | 0,000   | 0,006   | 0,013   | 0,091   | 0,013   |
|         | N                   | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65      | 65      | 65      | 65      | 65      | 65      |
| Item 32 | Pearson Correlation | ,358** | ,471** | ,352** | ,304*  | ,247*  | ,518** | ,377** | -0,004 | ,271*  | ,245*   | ,564**  | ,327**  | ,250*   | ,259*   | ,280*   |
|         | Sig. (2-tailed)     | 0,003  | 0,000  | 0,004  | 0,014  | 0,047  | 0,000  | 0,002  | 0,974  | 0,029  | 0,049   | 0,000   | 0,008   | 0,044   | 0,037   | 0,024   |
|         | N                   | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65      | 65      | 65      | 65      | 65      | 65      |
| Item 33 | Pearson Correlation | ,305*  | 0,127  | ,347** | 0,133  | -0,082 | ,322** | ,379** | 0,115  | ,265*  | ,381**  | ,426**  | 0,153   | 0,099   | 0,243   | 0,198   |
|         | Sig. (2-tailed)     | 0,013  | 0,314  | 0,005  | 0,290  | 0,516  | 0,009  | 0,002  | 0,360  | 0,033  | 0,002   | 0,000   | 0,225   | 0,431   | 0,051   | 0,114   |
|         | N                   | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65      | 65      | 65      | 65      | 65      | 65      |
| Item 34 | Pearson Correlation | 0,111  | ,387** | ,359** | 0,230  | ,316*  | 0,111  | ,290*  | 0,164  | ,467** | ,351**  | 0,225   | 0,212   | 0,058   | 0,081   | ,273*   |
|         | Sig. (2-tailed)     | 0,377  | 0,001  | 0,003  | 0,065  | 0,010  | 0,381  | 0,019  | 0,191  | 0,000  | 0,004   | 0,071   | 0,089   | 0,648   | 0,521   | 0,028   |
|         | N                   | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65      | 65      | 65      | 65      | 65      | 65      |
| Item 35 | Pearson Correlation | 0,142  | 0,230  | ,344** | 0,081  | 0,241  | 0,160  | 0,213  | ,261*  | ,299*  | 0,214   | ,283*   | 0,117   | -0,082  | 0,037   | 0,205   |
|         | Sig. (2-tailed)     | 0,260  | 0,065  | 0,005  | 0,522  | 0,053  | 0,202  | 0,088  | 0,036  | 0,015  | 0,088   | 0,022   | 0,354   | 0,517   | 0,769   | 0,102   |
|         | N                   | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65      | 65      | 65      | 65      | 65      | 65      |
| Total   | Pearson Correlation | ,521** | ,633** | ,615** | ,417** | ,502** | ,591** | ,543** | ,256*  | ,623** | ,604**  | ,658**  | ,631**  | ,400**  | ,395**  | ,634**  |
|         | Sig. (2-tailed)     | 0,000  | 0,000  | 0,000  | 0,001  | 0,000  | 0,000  | 0,000  | 0,039  | 0,000  | 0,000   | 0,000   | 0,000   | 0,001   | 0,001   | 0,000   |

|  |   | Item 1 | Item 2 | Item 3 | Item 4 | Item 5 | Item 6 | Item 7 | Item 8 | Item 9 | Item 10 | Item 11 | Item 12 | Item 13 | Item 14 | Item 15 |
|--|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|
|  | N | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65      | 65      | 65      | 65      | 65      | 65      |

|        |                     | Item 16 | Item 17 | Item 18 | Item 19 | Item 20 | Item 21 | Item 22 | Item 23 | Item 24 | Item 25 | Item 26 | Item 27 | Item 28 | Item 29 | Item 30 |
|--------|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Item 1 | Pearson Correlation | 0,216   | ,441**  | 0,216   | -0,107  | 0,088   | ,349**  | ,418**  | ,414**  | 0,119   | 0,164   | ,354**  | ,416**  | -0,225  | 0,135   | 0,199   |
|        | Sig. (2-tailed)     | 0,083   | 0,000   | 0,084   | 0,398   | 0,486   | 0,004   | 0,001   | 0,001   | 0,346   | 0,193   | 0,004   | 0,001   | 0,073   | 0,284   | 0,112   |
|        | N                   | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 64      | 65      | 65      |
| Item 2 | Pearson Correlation | 0,207   | ,246*   | ,315*   | -0,002  | ,262*   | ,342**  | ,320**  | ,501**  | 0,184   | ,322**  | ,299*   | ,390**  | -0,159  | 0,160   | 0,189   |
|        | Sig. (2-tailed)     | 0,098   | 0,048   | 0,011   | 0,989   | 0,035   | 0,005   | 0,009   | 0,000   | 0,142   | 0,009   | 0,016   | 0,001   | 0,210   | 0,204   | 0,133   |
|        | N                   | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 64      | 65      | 65      |
| Item 3 | Pearson Correlation | 0,230   | ,258*   | ,395**  | 0,137   | 0,194   | ,363**  | ,361**  | ,294*   | 0,235   | ,423**  | ,367**  | 0,235   | -,253*  | 0,045   | 0,092   |
|        | Sig. (2-tailed)     | 0,066   | 0,038   | 0,001   | 0,278   | 0,122   | 0,003   | 0,003   | 0,017   | 0,060   | 0,000   | 0,003   | 0,059   | 0,044   | 0,722   | 0,464   |
|        | N                   | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 64      | 65      | 65      |
| Item 4 | Pearson Correlation | 0,112   | 0,118   | ,331**  | 0,208   | ,306*   | ,312*   | 0,040   | 0,200   | 0,099   | 0,179   | 0,101   | 0,100   | 0,074   | 0,034   | 0,053   |
|        | Sig. (2-tailed)     | 0,375   | 0,350   | 0,007   | 0,096   | 0,013   | 0,011   | 0,752   | 0,110   | 0,432   | 0,153   | 0,424   | 0,430   | 0,560   | 0,788   | 0,677   |
|        | N                   | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 64      | 65      | 65      |
| Item 5 | Pearson Correlation | 0,081   | ,270*   | ,383**  | ,280*   | ,326**  | ,297*   | 0,108   | 0,125   | ,307*   | ,263*   | 0,236   | 0,238   | 0,070   | 0,141   | 0,099   |

|         |                        | Item<br>16 | Item<br>17 | Item<br>18 | Item<br>19 | Item<br>20 | Item<br>21 | Item<br>22 | Item<br>23 | Item<br>24 | Item<br>25 | Item<br>26 | Item<br>27 | Item<br>28 | Item<br>29 | Item<br>30 |
|---------|------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
|         | Sig. (2-<br>tailed)    | 0,523      | 0,030      | 0,002      | 0,024      | 0,008      | 0,016      | 0,392      | 0,319      | 0,013      | 0,035      | 0,059      | 0,056      | 0,581      | 0,262      | 0,433      |
|         | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 64         | 65         | 65         |
| Item 6  | Pearson<br>Correlation | ,279*      | ,414**     | ,273*      | -<br>0,043 | 0,134      | ,388**     | ,320**     | ,262*      | 0,095      | 0,224      | ,314*      | ,422**     | -<br>0,100 | 0,063      | 0,211      |
|         | Sig. (2-<br>tailed)    | 0,024      | 0,001      | 0,028      | 0,733      | 0,286      | 0,001      | 0,009      | 0,035      | 0,454      | 0,073      | 0,011      | 0,000      | 0,432      | 0,616      | 0,091      |
|         | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 64         | 65         | 65         |
| Item 7  | Pearson<br>Correlation | ,358**     | ,359**     | 0,131      | 0,055      | -<br>0,007 | ,478**     | ,378**     | ,294*      | 0,124      | ,381**     | ,302*      | ,248*      | -<br>0,203 | 0,025      | 0,102      |
|         | Sig. (2-<br>tailed)    | 0,003      | 0,003      | 0,298      | 0,664      | 0,956      | 0,000      | 0,002      | 0,017      | 0,324      | 0,002      | 0,014      | 0,046      | 0,107      | 0,840      | 0,417      |
|         | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 64         | 65         | 65         |
| Item 8  | Pearson<br>Correlation | 0,118      | 0,204      | 0,104      | -<br>0,087 | 0,073      | ,245*      | ,316*      | ,269*      | 0,102      | 0,118      | 0,174      | 0,215      | -<br>0,049 | -<br>0,062 | -<br>0,095 |
|         | Sig. (2-<br>tailed)    | 0,350      | 0,103      | 0,410      | 0,490      | 0,561      | 0,049      | 0,010      | 0,030      | 0,419      | 0,350      | 0,165      | 0,085      | 0,701      | 0,622      | 0,453      |
|         | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 64         | 65         | 65         |
| Item 9  | Pearson<br>Correlation | 0,238      | 0,207      | ,300*      | 0,059      | ,288*      | ,361**     | ,286*      | ,350**     | ,322**     | ,400**     | 0,168      | 0,160      | -<br>0,131 | 0,064      | 0,080      |
|         | Sig. (2-<br>tailed)    | 0,056      | 0,098      | 0,015      | 0,641      | 0,020      | 0,003      | 0,021      | 0,004      | 0,009      | 0,001      | 0,180      | 0,202      | 0,303      | 0,613      | 0,527      |
|         | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 64         | 65         | 65         |
| Item 10 | Pearson<br>Correlation | 0,096      | 0,237      | ,263*      | 0,049      | ,293*      | ,455**     | ,297*      | ,355**     | ,321**     | ,364**     | ,298*      | ,341**     | -,249*     | 0,111      | 0,143      |
|         | Sig. (2-<br>tailed)    | 0,445      | 0,057      | 0,034      | 0,701      | 0,018      | 0,000      | 0,016      | 0,004      | 0,009      | 0,003      | 0,016      | 0,005      | 0,047      | 0,377      | 0,255      |

|            |                        | Item<br>16 | Item<br>17 | Item<br>18 | Item<br>19 | Item<br>20 | Item<br>21 | Item<br>22 | Item<br>23 | Item<br>24 | Item<br>25 | Item<br>26 | Item<br>27 | Item<br>28 | Item<br>29 | Item<br>30 |
|------------|------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
|            | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 64         | 65         | 65         |
| Item<br>11 | Pearson<br>Correlation | 0,234      | ,454**     | ,348**     | -<br>0,107 | 0,003      | ,449**     | ,397**     | ,571**     | 0,158      | ,463**     | ,454**     | ,385**     | -<br>0,219 | 0,150      | ,278*      |
|            | Sig. (2-<br>tailed)    | 0,060      | 0,000      | 0,005      | 0,398      | 0,979      | 0,000      | 0,001      | 0,000      | 0,210      | 0,000      | 0,000      | 0,002      | 0,082      | 0,232      | 0,025      |
|            | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 64         | 65         | 65         |
| Item<br>12 | Pearson<br>Correlation | 0,158      | 0,219      | 0,206      | 0,021      | ,306*      | ,535**     | ,252*      | ,397**     | ,367**     | ,309*      | ,250*      | ,587**     | -<br>0,069 | ,281*      | ,294*      |
|            | Sig. (2-<br>tailed)    | 0,209      | 0,080      | 0,100      | 0,868      | 0,013      | 0,000      | 0,043      | 0,001      | 0,003      | 0,012      | 0,045      | 0,000      | 0,591      | 0,023      | 0,018      |
|            | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 64         | 65         | 65         |
| Item<br>13 | Pearson<br>Correlation | -<br>0,074 | 0,041      | ,280*      | -,270*     | 0,136      | ,296*      | 0,176      | ,443**     | ,314*      | 0,078      | -<br>0,011 | ,359**     | 0,041      | 0,209      | 0,071      |
|            | Sig. (2-<br>tailed)    | 0,559      | 0,747      | 0,024      | 0,029      | 0,279      | 0,017      | 0,162      | 0,000      | 0,011      | 0,539      | 0,933      | 0,003      | 0,745      | 0,095      | 0,575      |
|            | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 64         | 65         | 65         |
| Item<br>14 | Pearson<br>Correlation | 0,080      | 0,165      | ,249*      | -<br>0,067 | 0,120      | 0,090      | ,272*      | 0,116      | ,364**     | ,250*      | 0,175      | 0,103      | 0,155      | 0,230      | ,272*      |
|            | Sig. (2-<br>tailed)    | 0,526      | 0,189      | 0,045      | 0,598      | 0,342      | 0,474      | 0,028      | 0,359      | 0,003      | 0,044      | 0,164      | 0,414      | 0,220      | 0,065      | 0,028      |
|            | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 64         | 65         | 65         |
| Item<br>15 | Pearson<br>Correlation | 0,051      | 0,127      | ,459**     | -<br>0,162 | 0,241      | ,268*      | ,253*      | ,357**     | ,440**     | ,443**     | 0,159      | ,357**     | -<br>0,044 | 0,194      | 0,187      |
|            | Sig. (2-<br>tailed)    | 0,687      | 0,315      | 0,000      | 0,197      | 0,053      | 0,031      | 0,042      | 0,004      | 0,000      | 0,000      | 0,207      | 0,003      | 0,730      | 0,122      | 0,136      |
|            | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 64         | 65         | 65         |



|            |                        | Item<br>16 | Item<br>17 | Item<br>18 | Item<br>19 | Item<br>20 | Item<br>21 | Item<br>22 | Item<br>23 | Item<br>24 | Item<br>25 | Item<br>26 | Item<br>27 | Item<br>28 | Item<br>29 | Item<br>30 |
|------------|------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Item<br>16 | Pearson<br>Correlation | 1          | ,557**     | 0,102      | 0,062      | 0,187      | 0,240      | ,376**     | 0,149      | 0,209      | 0,151      | 0,214      | 0,128      | -<br>0,047 | -<br>0,114 | -<br>0,018 |
|            | Sig. (2-<br>tailed)    |            | 0,000      | 0,418      | 0,626      | 0,136      | 0,054      | 0,002      | 0,236      | 0,094      | 0,229      | 0,086      | 0,311      | 0,712      | 0,366      | 0,890      |
|            | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 64         | 65         | 65         |
| Item<br>17 | Pearson<br>Correlation | ,557**     | 1          | ,398**     | 0,033      | 0,092      | ,298*      | ,496**     | 0,198      | 0,207      | ,327**     | ,337**     | 0,238      | -<br>0,076 | 0,043      | 0,210      |
|            | Sig. (2-<br>tailed)    | 0,000      |            | 0,001      | 0,793      | 0,466      | 0,016      | 0,000      | 0,114      | 0,098      | 0,008      | 0,006      | 0,056      | 0,553      | 0,735      | 0,093      |
|            | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 64         | 65         | 65         |
| Item<br>18 | Pearson<br>Correlation | 0,102      | ,398**     | 1          | 0,053      | ,288*      | 0,170      | 0,206      | 0,107      | 0,217      | ,360**     | ,309*      | 0,194      | 0,087      | 0,194      | 0,239      |
|            | Sig. (2-<br>tailed)    | 0,418      | 0,001      |            | 0,678      | 0,020      | 0,175      | 0,100      | 0,398      | 0,083      | 0,003      | 0,012      | 0,121      | 0,492      | 0,122      | 0,055      |
|            | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 64         | 65         | 65         |
| Item<br>19 | Pearson<br>Correlation | 0,062      | 0,033      | 0,053      | 1          | ,384**     | 0,242      | 0,018      | -<br>0,199 | -<br>0,017 | 0,069      | 0,231      | -<br>0,100 | 0,169      | 0,169      | 0,110      |
|            | Sig. (2-<br>tailed)    | 0,626      | 0,793      | 0,678      |            | 0,002      | 0,052      | 0,890      | 0,112      | 0,893      | 0,583      | 0,064      | 0,427      | 0,182      | 0,177      | 0,384      |
|            | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 64         | 65         | 65         |
| Item<br>20 | Pearson<br>Correlation | 0,187      | 0,092      | ,288*      | ,384**     | 1          | ,291*      | 0,221      | -<br>0,022 | 0,160      | 0,069      | 0,242      | 0,213      | 0,212      | 0,211      | 0,141      |
|            | Sig. (2-<br>tailed)    | 0,136      | 0,466      | 0,020      | 0,002      |            | 0,019      | 0,076      | 0,862      | 0,202      | 0,583      | 0,052      | 0,088      | 0,093      | 0,092      | 0,262      |
|            | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 64         | 65         | 65         |
| Item<br>21 | Pearson<br>Correlation | 0,240      | ,298*      | 0,170      | 0,242      | ,291*      | 1          | ,550**     | ,502**     | ,276*      | ,356**     | ,395**     | ,334**     | -<br>0,052 | ,262*      | 0,228      |

|            |                        | Item<br>16 | Item<br>17 | Item<br>18 | Item<br>19 | Item<br>20 | Item<br>21 | Item<br>22 | Item<br>23 | Item<br>24 | Item<br>25 | Item<br>26 | Item<br>27 | Item<br>28  | Item<br>29 | Item<br>30 |
|------------|------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|------------|------------|
|            | Sig. (2-<br>tailed)    | 0,054      | 0,016      | 0,175      | 0,052      | 0,019      |            | 0,000      | 0,000      | 0,026      | 0,004      | 0,001      | 0,006      | 0,684       | 0,035      | 0,068      |
|            | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 64          | 65         | 65         |
| Item<br>22 | Pearson<br>Correlation | ,376**     | ,496**     | 0,206      | 0,018      | 0,221      | ,550**     | 1          | ,486**     | ,343**     | ,372**     | ,402**     | 0,140      | -<br>0,238  | 0,158      | 0,095      |
|            | Sig. (2-<br>tailed)    | 0,002      | 0,000      | 0,100      | 0,890      | 0,076      | 0,000      | 0,000      | 0,005      | 0,002      | 0,001      | 0,001      | 0,264      | 0,058       | 0,209      | 0,450      |
|            | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 64          | 65         | 65         |
| Item<br>23 | Pearson<br>Correlation | 0,149      | 0,198      | 0,107      | -<br>0,199 | -<br>0,022 | ,502**     | ,486**     | 1          | ,252*      | ,381**     | ,298*      | ,286*      | -<br>,386** | 0,060      | 0,133      |
|            | Sig. (2-<br>tailed)    | 0,236      | 0,114      | 0,398      | 0,112      | 0,862      | 0,000      | 0,000      |            | 0,043      | 0,002      | 0,016      | 0,021      | 0,002       | 0,634      | 0,291      |
|            | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 64          | 65         | 65         |
| Item<br>24 | Pearson<br>Correlation | 0,209      | 0,207      | 0,217      | -<br>0,017 | 0,160      | ,276*      | ,343**     | ,252*      | 1          | ,580**     | 0,045      | -<br>0,042 | 0,069       | 0,235      | 0,244      |
|            | Sig. (2-<br>tailed)    | 0,094      | 0,098      | 0,083      | 0,893      | 0,202      | 0,026      | 0,005      | 0,043      |            | 0,000      | 0,721      | 0,742      | 0,588       | 0,060      | 0,050      |
|            | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 64          | 65         | 65         |
| Item<br>25 | Pearson<br>Correlation | 0,151      | ,327**     | ,360**     | 0,069      | 0,069      | ,356**     | ,372**     | ,381**     | ,580**     | 1          | 0,124      | 0,045      | -<br>0,106  | ,277*      | ,472**     |
|            | Sig. (2-<br>tailed)    | 0,229      | 0,008      | 0,003      | 0,583      | 0,583      | 0,004      | 0,002      | 0,002      | 0,000      |            | 0,324      | 0,724      | 0,404       | 0,026      | 0,000      |
|            | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 64          | 65         | 65         |
| Item<br>26 | Pearson<br>Correlation | 0,214      | ,337**     | ,309*      | 0,231      | 0,242      | ,395**     | ,402**     | ,298*      | 0,045      | 0,124      | 1          | ,344**     | -<br>0,106  | 0,135      | ,281*      |
|            | Sig. (2-<br>tailed)    | 0,086      | 0,006      | 0,012      | 0,064      | 0,052      | 0,001      | 0,001      | 0,016      | 0,721      | 0,324      |            | 0,005      | 0,406       | 0,285      | 0,024      |

|            |                        | Item<br>16 | Item<br>17 | Item<br>18 | Item<br>19 | Item<br>20 | Item<br>21 | Item<br>22 | Item<br>23  | Item<br>24 | Item<br>25 | Item<br>26 | Item<br>27 | Item<br>28 | Item<br>29 | Item<br>30 |
|------------|------------------------|------------|------------|------------|------------|------------|------------|------------|-------------|------------|------------|------------|------------|------------|------------|------------|
|            | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65          | 65         | 65         | 65         | 65         | 64         | 65         | 65         |
| Item<br>27 | Pearson<br>Correlation | 0,128      | 0,238      | 0,194      | -<br>0,100 | 0,213      | ,334**     | 0,140      | ,286*       | -<br>0,042 | 0,045      | ,344**     | 1          | -<br>0,117 | 0,214      | ,298*      |
|            | Sig. (2-<br>tailed)    | 0,311      | 0,056      | 0,121      | 0,427      | 0,088      | 0,006      | 0,264      | 0,021       | 0,742      | 0,724      | 0,005      |            | 0,355      | 0,087      | 0,016      |
|            | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65          | 65         | 65         | 65         | 65         | 64         | 65         | 65         |
| Item<br>28 | Pearson<br>Correlation | -<br>0,047 | -<br>0,076 | 0,087      | 0,169      | 0,212      | -<br>0,052 | -<br>0,238 | -<br>,386** | 0,069      | -<br>0,106 | -<br>0,106 | -<br>0,117 | 1          | ,295*      | ,255*      |
|            | Sig. (2-<br>tailed)    | 0,712      | 0,553      | 0,492      | 0,182      | 0,093      | 0,684      | 0,058      | 0,002       | 0,588      | 0,404      | 0,406      | 0,355      |            | 0,018      | 0,042      |
|            | N                      | 64         | 64         | 64         | 64         | 64         | 64         | 64         | 64          | 64         | 64         | 64         | 64         | 64         | 64         | 64         |
| Item<br>29 | Pearson<br>Correlation | -<br>0,114 | 0,043      | 0,194      | 0,169      | 0,211      | ,262*      | 0,158      | 0,060       | 0,235      | ,277*      | 0,135      | 0,214      | ,295*      | 1          | ,652**     |
|            | Sig. (2-<br>tailed)    | 0,366      | 0,735      | 0,122      | 0,177      | 0,092      | 0,035      | 0,209      | 0,634       | 0,060      | 0,026      | 0,285      | 0,087      | 0,018      |            | 0,000      |
|            | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65          | 65         | 65         | 65         | 65         | 64         | 65         | 65         |
| Item<br>30 | Pearson<br>Correlation | -<br>0,018 | 0,210      | 0,239      | 0,110      | 0,141      | 0,228      | 0,095      | 0,133       | 0,244      | ,472**     | ,281*      | ,298*      | ,255*      | ,652**     | 1          |
|            | Sig. (2-<br>tailed)    | 0,890      | 0,093      | 0,055      | 0,384      | 0,262      | 0,068      | 0,450      | 0,291       | 0,050      | 0,000      | 0,024      | 0,016      | 0,042      | 0,000      |            |
|            | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65          | 65         | 65         | 65         | 65         | 64         | 65         | 65         |
| Item<br>31 | Pearson<br>Correlation | ,482**     | ,488**     | ,371**     | -<br>0,097 | 0,008      | ,411**     | ,479**     | ,570**      | ,265*      | ,363**     | ,444**     | ,275*      | -<br>0,236 | 0,074      | 0,213      |
|            | Sig. (2-<br>tailed)    | 0,000      | 0,000      | 0,002      | 0,442      | 0,951      | 0,001      | 0,000      | 0,000       | 0,033      | 0,003      | 0,000      | 0,027      | 0,061      | 0,557      | 0,088      |
|            | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65          | 65         | 65         | 65         | 65         | 64         | 65         | 65         |

|            |                        | Item<br>16 | Item<br>17 | Item<br>18 | Item<br>19 | Item<br>20 | Item<br>21 | Item<br>22 | Item<br>23 | Item<br>24 | Item<br>25 | Item<br>26 | Item<br>27 | Item<br>28 | Item<br>29 | Item<br>30 |
|------------|------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Item<br>32 | Pearson<br>Correlation | ,336**     | ,480**     | ,380**     | -<br>0,009 | -<br>0,055 | ,286*      | ,317*      | ,345**     | 0,151      | ,329**     | ,450**     | ,304*      | -<br>0,117 | 0,136      | ,293*      |
|            | Sig. (2-<br>tailed)    | 0,006      | 0,000      | 0,002      | 0,941      | 0,665      | 0,021      | 0,010      | 0,005      | 0,230      | 0,007      | 0,000      | 0,014      | 0,358      | 0,281      | 0,018      |
|            | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 64         | 65         | 65         |
| Item<br>33 | Pearson<br>Correlation | ,265*      | ,307*      | 0,206      | -<br>0,199 | -<br>0,057 | ,255*      | ,310*      | ,343**     | 0,040      | ,267*      | ,320**     | 0,163      | -,246*     | 0,018      | 0,136      |
|            | Sig. (2-<br>tailed)    | 0,033      | 0,013      | 0,100      | 0,113      | 0,650      | 0,041      | 0,012      | 0,005      | 0,752      | 0,032      | 0,009      | 0,195      | 0,050      | 0,886      | 0,281      |
|            | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 64         | 65         | 65         |
| Item<br>34 | Pearson<br>Correlation | 0,094      | 0,130      | 0,114      | 0,139      | ,282*      | 0,188      | 0,143      | ,279*      | 0,115      | ,314*      | 0,018      | ,255*      | -<br>0,208 | 0,008      | 0,062      |
|            | Sig. (2-<br>tailed)    | 0,457      | 0,301      | 0,364      | 0,268      | 0,023      | 0,134      | 0,254      | 0,024      | 0,362      | 0,011      | 0,885      | 0,040      | 0,099      | 0,951      | 0,623      |
|            | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 64         | 65         | 65         |
| Item<br>35 | Pearson<br>Correlation | ,339**     | ,295*      | 0,238      | -<br>0,042 | 0,099      | 0,148      | ,257*      | ,289*      | 0,107      | ,297*      | ,276*      | ,252*      | -,292*     | -<br>0,007 | 0,138      |
|            | Sig. (2-<br>tailed)    | 0,006      | 0,017      | 0,056      | 0,740      | 0,431      | 0,240      | 0,038      | 0,020      | 0,398      | 0,016      | 0,026      | 0,043      | 0,019      | 0,955      | 0,273      |
|            | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 64         | 65         | 65         |
| Total      | Pearson<br>Correlation | ,383**     | ,549**     | ,554**     | 0,130      | ,398**     | ,671**     | ,587**     | ,573**     | ,467**     | ,615**     | ,537**     | ,511**     | -<br>0,082 | ,350**     | ,435**     |
|            | Sig. (2-<br>tailed)    | 0,002      | 0,000      | 0,000      | 0,301      | 0,001      | 0,000      | 0,000      | 0,000      | 0,000      | 0,000      | 0,000      | 0,000      | 0,518      | 0,004      | 0,000      |
|            | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 64         | 65         | 65         |

|         |                        | Item<br>31 | Item<br>32 | Item<br>33 | Item<br>34 | Item<br>35 | Total  |
|---------|------------------------|------------|------------|------------|------------|------------|--------|
| Item 1  | Pearson<br>Correlation | ,478**     | ,358**     | ,305*      | 0,111      | 0,142      | ,521** |
|         | Sig. (2-tailed)        | 0,000      | 0,003      | 0,013      | 0,377      | 0,260      | 0,000  |
|         | N                      | 65         | 65         | 65         | 65         | 65         | 65     |
| Item 2  | Pearson<br>Correlation | ,371**     | ,471**     | 0,127      | ,387**     | 0,230      | ,633** |
|         | Sig. (2-tailed)        | 0,002      | 0,000      | 0,314      | 0,001      | 0,065      | 0,000  |
|         | N                      | 65         | 65         | 65         | 65         | 65         | 65     |
| Item 3  | Pearson<br>Correlation | ,293*      | ,352**     | ,347**     | ,359**     | ,344**     | ,615** |
|         | Sig. (2-tailed)        | 0,018      | 0,004      | 0,005      | 0,003      | 0,005      | 0,000  |
|         | N                      | 65         | 65         | 65         | 65         | 65         | 65     |
| Item 4  | Pearson<br>Correlation | ,252*      | ,304*      | 0,133      | 0,230      | 0,081      | ,417** |
|         | Sig. (2-tailed)        | 0,043      | 0,014      | 0,290      | 0,065      | 0,522      | 0,001  |
|         | N                      | 65         | 65         | 65         | 65         | 65         | 65     |
| Item 5  | Pearson<br>Correlation | 0,191      | ,247*      | -<br>0,082 | ,316*      | 0,241      | ,502** |
|         | Sig. (2-tailed)        | 0,127      | 0,047      | 0,516      | 0,010      | 0,053      | 0,000  |
|         | N                      | 65         | 65         | 65         | 65         | 65         | 65     |
| Item 6  | Pearson<br>Correlation | ,549**     | ,518**     | ,322**     | 0,111      | 0,160      | ,591** |
|         | Sig. (2-tailed)        | 0,000      | 0,000      | 0,009      | 0,381      | 0,202      | 0,000  |
|         | N                      | 65         | 65         | 65         | 65         | 65         | 65     |
| Item 7  | Pearson<br>Correlation | ,410**     | ,377**     | ,379**     | ,290*      | 0,213      | ,543** |
|         | Sig. (2-tailed)        | 0,001      | 0,002      | 0,002      | 0,019      | 0,088      | 0,000  |
|         | N                      | 65         | 65         | 65         | 65         | 65         | 65     |
| Item 8  | Pearson<br>Correlation | 0,111      | -<br>0,004 | 0,115      | 0,164      | ,261*      | ,256*  |
|         | Sig. (2-tailed)        | 0,378      | 0,974      | 0,360      | 0,191      | 0,036      | 0,039  |
|         | N                      | 65         | 65         | 65         | 65         | 65         | 65     |
| Item 9  | Pearson<br>Correlation | ,299*      | ,271*      | ,265*      | ,467**     | ,299*      | ,623** |
|         | Sig. (2-tailed)        | 0,016      | 0,029      | 0,033      | 0,000      | 0,015      | 0,000  |
|         | N                      | 65         | 65         | 65         | 65         | 65         | 65     |
| Item 10 | Pearson<br>Correlation | ,255*      | ,245*      | ,381**     | ,351**     | 0,214      | ,604** |
|         | Sig. (2-tailed)        | 0,041      | 0,049      | 0,002      | 0,004      | 0,088      | 0,000  |
|         | N                      | 65         | 65         | 65         | 65         | 65         | 65     |
| Item 11 | Pearson<br>Correlation | ,520**     | ,564**     | ,426**     | 0,225      | ,283*      | ,658** |
|         | Sig. (2-tailed)        | 0,000      | 0,000      | 0,000      | 0,071      | 0,022      | 0,000  |
|         | N                      | 65         | 65         | 65         | 65         | 65         | 65     |
| Item 12 | Pearson<br>Correlation | ,334**     | ,327**     | 0,153      | 0,212      | 0,117      | ,631** |
|         | Sig. (2-tailed)        | 0,006      | 0,008      | 0,225      | 0,089      | 0,354      | 0,000  |
|         | N                      | 65         | 65         | 65         | 65         | 65         | 65     |
| Item 13 | Pearson<br>Correlation | ,307*      | ,250*      | 0,099      | 0,058      | -<br>0,082 | ,400** |
|         | Sig. (2-tailed)        | 0,013      | 0,044      | 0,431      | 0,648      | 0,517      | 0,001  |
|         | N                      | 65         | 65         | 65         | 65         | 65         | 65     |
| Item 14 | Pearson<br>Correlation | 0,211      | ,259*      | 0,243      | 0,081      | 0,037      | ,395** |

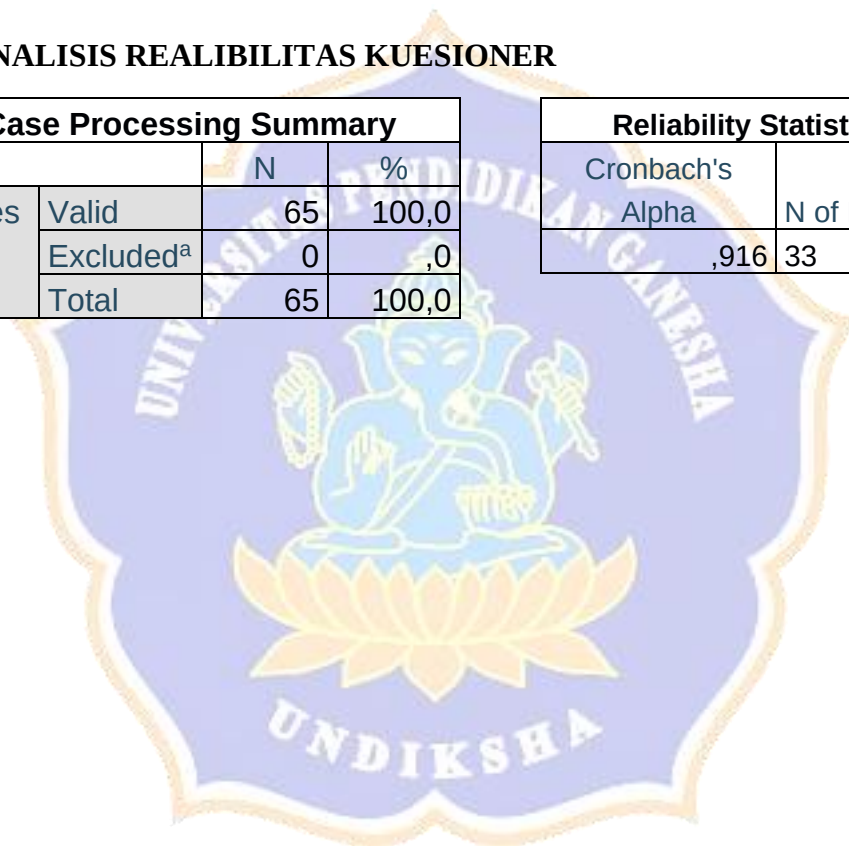


|         |                     |        |        |        |       |        |        |
|---------|---------------------|--------|--------|--------|-------|--------|--------|
|         | Sig. (2-tailed)     | 0,091  | 0,037  | 0,051  | 0,521 | 0,769  | 0,001  |
|         | N                   | 65     | 65     | 65     | 65    | 65     | 65     |
| Item 15 | Pearson Correlation | ,306*  | ,280*  | 0,198  | ,273* | 0,205  | ,634** |
|         | Sig. (2-tailed)     | 0,013  | 0,024  | 0,114  | 0,028 | 0,102  | 0,000  |
|         | N                   | 65     | 65     | 65     | 65    | 65     | 65     |
| Item 16 | Pearson Correlation | ,482** | ,336** | ,265*  | 0,094 | ,339** | ,383** |
|         | Sig. (2-tailed)     | 0,000  | 0,006  | 0,033  | 0,457 | 0,006  | 0,002  |
|         | N                   | 65     | 65     | 65     | 65    | 65     | 65     |
| Item 17 | Pearson Correlation | ,488** | ,480** | ,307*  | 0,130 | ,295*  | ,549** |
|         | Sig. (2-tailed)     | 0,000  | 0,000  | 0,013  | 0,301 | 0,017  | 0,000  |
|         | N                   | 65     | 65     | 65     | 65    | 65     | 65     |
| Item 18 | Pearson Correlation | ,371** | ,380** | 0,206  | 0,114 | 0,238  | ,554** |
|         | Sig. (2-tailed)     | 0,002  | 0,002  | 0,100  | 0,364 | 0,056  | 0,000  |
|         | N                   | 65     | 65     | 65     | 65    | 65     | 65     |
| Item 19 | Pearson Correlation | -      | -      | -      | 0,139 | -      | 0,130  |
|         | Sig. (2-tailed)     | 0,097  | 0,009  | 0,199  | 0,268 | 0,740  | 0,301  |
|         | N                   | 65     | 65     | 65     | 65    | 65     | 65     |
| Item 20 | Pearson Correlation | 0,008  | -      | -      | ,282* | 0,099  | ,398** |
|         | Sig. (2-tailed)     | 0,951  | 0,665  | 0,650  | 0,023 | 0,431  | 0,001  |
|         | N                   | 65     | 65     | 65     | 65    | 65     | 65     |
| Item 21 | Pearson Correlation | ,411** | ,286*  | ,255*  | 0,188 | 0,148  | ,671** |
|         | Sig. (2-tailed)     | 0,001  | 0,021  | 0,041  | 0,134 | 0,240  | 0,000  |
|         | N                   | 65     | 65     | 65     | 65    | 65     | 65     |
| Item 22 | Pearson Correlation | ,479** | ,317*  | ,310*  | 0,143 | ,257*  | ,587** |
|         | Sig. (2-tailed)     | 0,000  | 0,010  | 0,012  | 0,254 | 0,038  | 0,000  |
|         | N                   | 65     | 65     | 65     | 65    | 65     | 65     |
| Item 23 | Pearson Correlation | ,570** | ,345** | ,343** | ,279* | ,289*  | ,573** |
|         | Sig. (2-tailed)     | 0,000  | 0,005  | 0,005  | 0,024 | 0,020  | 0,000  |
|         | N                   | 65     | 65     | 65     | 65    | 65     | 65     |
| Item 24 | Pearson Correlation | ,265*  | 0,151  | 0,040  | 0,115 | 0,107  | ,467** |
|         | Sig. (2-tailed)     | 0,033  | 0,230  | 0,752  | 0,362 | 0,398  | 0,000  |
|         | N                   | 65     | 65     | 65     | 65    | 65     | 65     |
| Item 25 | Pearson Correlation | ,363** | ,329** | ,267*  | ,314* | ,297*  | ,615** |
|         | Sig. (2-tailed)     | 0,003  | 0,007  | 0,032  | 0,011 | 0,016  | 0,000  |
|         | N                   | 65     | 65     | 65     | 65    | 65     | 65     |
| Item 26 | Pearson Correlation | ,444** | ,450** | ,320** | 0,018 | ,276*  | ,537** |
|         | Sig. (2-tailed)     | 0,000  | 0,000  | 0,009  | 0,885 | 0,026  | 0,000  |
|         | N                   | 65     | 65     | 65     | 65    | 65     | 65     |
| Item 27 | Pearson Correlation | ,275*  | ,304*  | 0,163  | ,255* | ,252*  | ,511** |
|         | Sig. (2-tailed)     | 0,027  | 0,014  | 0,195  | 0,040 | 0,043  | 0,000  |
|         | N                   | 65     | 65     | 65     | 65    | 65     | 65     |
| Item 28 | Pearson Correlation | -      | -      | -,246* | -     | -,292* | -0,082 |
|         |                     | 0,236  | 0,117  |        | 0,208 |        |        |

|         |                     |       |        |        |       |       |        |
|---------|---------------------|-------|--------|--------|-------|-------|--------|
|         | Sig. (2-tailed)     | 0,061 | 0,358  | 0,050  | 0,099 | 0,019 | 0,518  |
|         | N                   | 64    | 64     | 64     | 64    | 64    | 64     |
| Item 29 | Pearson Correlation | 0,074 | 0,136  | 0,018  | 0,008 | 0,007 | ,350** |
|         | Sig. (2-tailed)     | 0,557 | 0,281  | 0,886  | 0,951 | 0,955 | 0,004  |
|         | N                   | 65    | 65     | 65     | 65    | 65    | 65     |
| Item 30 | Pearson Correlation | 0,213 | ,293*  | 0,136  | 0,062 | 0,138 | ,435** |
|         | Sig. (2-tailed)     | 0,088 | 0,018  | 0,281  | 0,623 | 0,273 | 0,000  |
|         | N                   | 65    | 65     | 65     | 65    | 65    | 65     |
| Item 31 | Pearson Correlation | 1     | ,649** | ,414** | 0,074 | ,265* | ,643** |
|         | Sig. (2-tailed)     |       | 0,000  | 0,001  | 0,558 | 0,033 | 0,000  |
|         | N                   | 65    | 65     | 65     | 65    | 65    | 65     |

## B. ANALISIS REALIBILITAS KUESIONER

| Case Processing Summary |                       |    |       | Reliability Statistics |            |
|-------------------------|-----------------------|----|-------|------------------------|------------|
|                         |                       | N  | %     | Cronbach's Alpha       | N of Items |
| Cases                   | Valid                 | 65 | 100,0 | ,916                   | 33         |
|                         | Excluded <sup>a</sup> | 0  | ,0    |                        |            |
|                         | Total                 | 65 | 100,0 |                        |            |



## Lampiran 05

## REKAPITULASI HASIL UJI COBA KUESIONER MOTIVASI BELAJAR

## A. ANALISIS VALIDITAS BUTIR PERNYATAAN

| No  | Validitas Butir Pernyataan<br>( $r_{xy} > 0,244$ ) | Kriteria    | Keputusan       |
|-----|----------------------------------------------------|-------------|-----------------|
| 1.  | 0,521                                              | Valid       | Digunakan       |
| 2.  | 0,633                                              | Valid       | Digunakan       |
| 3.  | 0,615                                              | Valid       | Digunakan       |
| 4.  | 0,417                                              | Valid       | Digunakan       |
| 5.  | 0,502                                              | Valid       | Digunakan       |
| 6.  | 0,591                                              | Valid       | Digunakan       |
| 7.  | 0,543                                              | Valid       | Digunakan       |
| 8.  | 0,256                                              | Valid       | Tidak digunakan |
| 9.  | 0,623                                              | Valid       | Digunakan       |
| 10. | 0,604                                              | Valid       | Digunakan       |
| 11. | 0,658                                              | Valid       | Digunakan       |
| 12. | 0,631                                              | Valid       | Digunakan       |
| 13. | 0,400                                              | Valid       | Digunakan       |
| 14. | 0,395                                              | Valid       | Tidak digunakan |
| 15. | 0,634                                              | Valid       | Digunakan       |
| 16. | 0,383                                              | Valid       | Digunakan       |
| 17. | 0,549                                              | Valid       | Digunakan       |
| 18. | 0,554                                              | Valid       | Digunakan       |
| 19. | 0,130                                              | Tidak Valid | Tidak digunakan |
| 20. | 0,398                                              | Valid       | Digunakan       |
| 21. | 0,671                                              | Valid       | Digunakan       |
| 22. | 0,587                                              | Valid       | Digunakan       |
| 23. | 0,573                                              | Valid       | Digunakan       |
| 24. | 0,467                                              | Valid       | Digunakan       |
| 25. | 0,615                                              | Valid       | Digunakan       |
| 26. | 0,537                                              | Valid       | Digunakan       |
| 27. | 0,511                                              | Valid       | Digunakan       |
| 28. | -0,082                                             | Tidak Valid | Tidak digunakan |
| 29. | 0,350                                              | Valid       | Digunakan       |
| 30. | 0,435                                              | Valid       | Digunakan       |
| 31. | 0,643                                              | Valid       | Digunakan       |
| 32. | 0,608                                              | Valid       | Digunakan       |
| 33. | 0,432                                              | Valid       | Tidak digunakan |
| 34. | 0,437                                              | Valid       | Digunakan       |
| 35. | 0,430                                              | Valid       | Digunakan       |

### Kriteria Validitas Butir Pernyataan

| Keterangan          | Keputusan |
|---------------------|-----------|
| $r_{xy} \geq 0,244$ | Diterima  |
| $r_{xy} \leq 0,244$ | Ditolak   |

Berdasarkan hasil analisis validitas butir pernyataan pada angket motivasi belajar, butir angket yang diterima sejumlah 33 butir dengan butir angket yang gugur sejumlah 2 butir dan yang digunakan adalah 30 butir.

### B. Analisis Reliabilitas

Analisis reliabilitas kuesioner motivasi belajar menggunakan *IBM SPSS 30* dengan hasil yang diperoleh sebagai berikut.

| Reliability Statistics |            |
|------------------------|------------|
| Cronbach's Alpha       | N of Items |
| ,916                   | 33         |

Nilai dari *Cronbach's alpha* sebesar 0,916 menunjukkan angket yang diuji telah memiliki reliabilitas yang sangat tinggi (reliabel). Pemberian interpretasi terhadap hasil perhitungan pada umumnya digunakan kriteria reliabilitas yang terdiri dari lima kategori sangat rendah (0,00-0,20), kategori rendah (0,20-0,40), kategori sedang (0,40-0,60), kategori tinggi (0,60-0,80), kategori sangat tinggi (0,80-1,00). Angket dapat diterima sebagai perangkat relative baku apabila memperoleh koefisien reliabilitas dari (0,40-1,00).

## Lampiran 06

## KISI-KISI UJI COBA ANGKET SIKAP ILMIAH

| No                     | Dimensi                                              | Indikator                                                                        | Butir<br>Positif | Butir<br>Negatif | Jumlah<br>Butir |
|------------------------|------------------------------------------------------|----------------------------------------------------------------------------------|------------------|------------------|-----------------|
| 1.                     | Curiosity<br>(Sikap rasa ingin tahu)                 | Suka mencari tahu konsep IPA lebih dalam                                         | 1,2              | 3,4              | 4               |
|                        |                                                      | Senang bertanya dan menggali informasi ilmiah                                    | 5,6              | 7,8              | 4               |
| 2.                     | Critical Thinking<br>(sikap berpikir kritis)         | Mempertanyakan alasan di balik suatu konsep atau fakta IPA                       | 9,10             | 11,12            | 4               |
|                        |                                                      | Menghubungkan konsep IPA dengan kehidupan sehari-hari                            | 13,14            | 15,16            | 4               |
| 3.                     | Perseverance<br>(Ketekunan)                          | Mencoba mencari solusi terhadap kesulitan dalam memahami konsep                  | 17,18            | 19,20            | 4               |
| 4.                     | Respect for Evidence<br>(menghargai bukti)           | Jujur dan terbuka dalam melaporkan hasil diskusi atau percobaan                  | 21,22            | 23,24            | 4               |
|                        |                                                      | Menghargai dan mengakui perbedaan pendapat orang lain yang sudah terbukti        | 25,26            | 27,28            | 4               |
| 5.                     | Skepticism<br>(sikap keragu-raguan terhadap sesuatu) | Tidak mudah percaya pada informasi tanpa bukti ilmiah                            | 29,30            | 31,32            | 4               |
|                        |                                                      | Tidak takut untuk mengungkapkan keraguan atau ketidaksetujuan terhadap informasi | 33,34            | 35               | 3               |
| Total Butir Pertanyaan |                                                      |                                                                                  | 35               |                  |                 |



## Lampiran 7

### ANGKET SIKAP ILMIAH YANG DIUJICOBAKAN

#### A. Identitas Siswa

Nama :

No. Absen :

Kelas :

#### B. Petunjuk Pengisian Angket

1. Angket ini terdiri dari 35 pernyataan tentang sikap ilmiah.
2. Baca setiap pernyataan dengan seksama, kemudian pilih salah satu jawaban yang paling sesuai dengan kondisi anda. Pastikan anda menjawab dengan jujur.
3. Kategori yang digunakan untuk menjawab adalah sangat setuju (SS), setuju (S), ragu-ragu (RR), tidak setuju (TS), dan sangat tidak setuju (STS)
4. Tidak ada jawaban yang benar atau salah, tidak ada pengaruh terhadap penilaian yang dilakukan di sekolah, dan akan dirahasiakan.
5. Alokasi waktu yang diberikan untuk menjawab kuesioner sebesar 10 menit.

| No | Pernyataan                                                                                                                                    | SS | S | RR | TS | STS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------|----|---|----|----|-----|
| 1. | Saya suka mencari informasi tambahan di internet atau buku tentang materi IPA yang menarik bagi saya                                          |    |   |    |    |     |
| 2. | Saya merasa senang ketika dapat mengeksplorasi lebih jauh konsep IPA yang belum saya pahami                                                   |    |   |    |    |     |
| 3. | Jika ada materi IPA yang sulit saya lebih memilih tidak mencari tahu lebih lanjut                                                             |    |   |    |    |     |
| 4. | Saya suka berdiskusi dengan teman atau guru untuk memperdalam pemahaman saya tentang konsep IPA                                               |    |   |    |    |     |
| 5. | Saya merasa tertantang untuk mencari jawaban dengan bertanya dan menggali lebih banyak informasi saat menemukan kesulitan dalam pelajaran IPA |    |   |    |    |     |
| 6. | Saya selalu merasa penasaran dan ingin mengetahui proses ilmiah lebih banyak tentang fenomena alam yang saya pelajari                         |    |   |    |    |     |
| 7. | Saya hanya belajar dari yang dijelaskan guru tanpa merasa perlu mencari informasi tambahan tentang konsep IPA                                 |    |   |    |    |     |

|     |                                                                                                          |  |  |  |  |  |
|-----|----------------------------------------------------------------------------------------------------------|--|--|--|--|--|
| 8.  | Saya jarang mengajukan pertanyaan saat menemukan fenomena alam atau konsep IPA yang membingungkan        |  |  |  |  |  |
| 9.  | Saya sering bertanya, “Mengapa ini bisa terjadi?” saat mempelajari fakta-fakta IPA                       |  |  |  |  |  |
| 10. | Saya selalu mencari tahu alasan logis di balik setiap konsep IPA yang saya pelajari                      |  |  |  |  |  |
| 11. | Saya merasa tidak perlu memahami alasan di balik suatu fenomena alam selama saya tahu hasilnya           |  |  |  |  |  |
| 12. | Saya lebih suka menghafal fakta IPA daripada mencari tahu alasan ilmiahnya                               |  |  |  |  |  |
| 13. | Saya dapat menjelaskan hubungan antara konsep IPA yang dipelajari dan kejadian di sekitar saya           |  |  |  |  |  |
| 14. | Saya sering mencari contoh nyata dalam kehidupan sehari-hari untuk memahami konsep IPA dengan lebih baik |  |  |  |  |  |
| 15. | Saya jarang berpikir tentang bagaimana konsep IPA digunakan dalam kehidupan sehari-hari                  |  |  |  |  |  |
| 16. | Saya merasa konsep IPA hanya berguna di dalam kelas dan tidak berpengaruh pada kehidupan saya            |  |  |  |  |  |
| 17. | Saya mencari contoh soal dan latihan tambahan untuk memahami konsep IPA yang sulit                       |  |  |  |  |  |
| 18. | Ketika menghadapi kesulitan, saya mencoba berdiskusi dengan teman atau guru untuk menemukan solusi       |  |  |  |  |  |
| 19. | Jika saya tidak langsung memahami suatu materi, saya merasa tidak perlu mencobanya lagi                  |  |  |  |  |  |
| 20. | Saya cepat putus asa ketika menghadapi materi yang sulit dipahami                                        |  |  |  |  |  |
| 21. | Jika hasil diskusi kelompok saya berbeda dari perkiraan awal, saya tetap melaporkannya secara jujur      |  |  |  |  |  |

|     |                                                                                                                      |  |  |  |  |  |
|-----|----------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|
| 22. | Saya merasa penting untuk menyampaikan hasil percobaan sesuai kenyataan, meskipun hasilnya tidak sesuai harapan      |  |  |  |  |  |
| 23. | Saya merasa tidak masalah jika hasil diskusi atau percobaan sedikit dimodifikasi agar terlihat lebih baik di laporan |  |  |  |  |  |
| 24. | Saya pernah mengubah hasil percobaan agar sesuai dengan teori yang seharusnya benar                                  |  |  |  |  |  |
| 25. | Saya menghargai teman yang memiliki pendapat berbeda, selama pendapat tersebut didukung oleh fakta yang jelas        |  |  |  |  |  |
| 26. | Saya merasa penting untuk mendengarkan pendapat orang lain yang sudah terbukti benar sebelum mengambil keputusan     |  |  |  |  |  |
| 27. | Saya menolak pendapat teman jika hasilnya berbeda walaupun didukung bukti yang kuat                                  |  |  |  |  |  |
| 28. | Saya tetap pada pendapat sendiri meskipun ada bukti lain                                                             |  |  |  |  |  |
| 29. | Saya mencari bukti dari buku atau sumber lain sebelum menerima suatu penjelasan                                      |  |  |  |  |  |
| 30. | Saya menanyakan sumber informasi jika ada konsep yang terdengar tidak masuk akal                                     |  |  |  |  |  |
| 31. | Saya langsung percaya semua jawaban teman tanpa mengecek kebenarannya                                                |  |  |  |  |  |
| 32. | Saya mengikuti pendapat sebagian besar teman di kelas tanpa mempertimbangkan buktinya                                |  |  |  |  |  |
| 33. | Saya berani bertanya jika merasa ragu terhadap penjelasan guru di kelas                                              |  |  |  |  |  |
| 34. | Saya mengungkapkan pendapat jika tidak setuju dengan jawaban teman yang kurang meyakinkan dalam diskusi              |  |  |  |  |  |
| 35. | Saya diam saja meskipun ragu dengan penjelasan guru atau teman                                                       |  |  |  |  |  |

## Lampiran 08

**DATA HASIL UJI COBA SIKAP ILMIAH**  
**SISWA KELAS IXA5 DAN IXA6 SMP NEGERI 1 SINGARAJA**

| No  | Nama Responden                | Item Pernyataan |   |   |   |   |   |   |   |
|-----|-------------------------------|-----------------|---|---|---|---|---|---|---|
|     |                               | 1               | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1.  | Desak Putu Ganeshia Reshmi    | 4               | 4 | 3 | 3 | 3 | 4 | 4 | 2 |
| 2.  | Desak Putu Luna Meika Dianti  | 3               | 4 | 3 | 2 | 4 | 4 | 2 | 3 |
| 3.  | Dewa Gede Anggan Triatmana    | 4               | 4 | 3 | 2 | 4 | 3 | 3 | 3 |
| 4.  | Gede Aryawan Dinata           | 5               | 5 | 5 | 2 | 4 | 5 | 5 | 4 |
| 5.  | Gede Bagus Cetta Gellardi     | 5               | 4 | 3 | 2 | 4 | 4 | 3 | 3 |
| 6.  | Gede Daren Maha Suardika      | 3               | 3 | 4 | 3 | 3 | 4 | 2 | 2 |
| 7.  | I Gusti Ngurah Kresna Agastya | 4               | 4 | 4 | 2 | 4 | 4 | 4 | 4 |
| 8.  | I Kadek Sadu Wiguna           | 5               | 4 | 4 | 4 | 3 | 4 | 4 | 3 |
| 9.  | I Komang Satria Laksana       | 4               | 4 | 3 | 2 | 3 | 4 | 2 | 2 |
| 10. | I Putu Narayana Mahendra      | 4               | 4 | 4 | 1 | 4 | 5 | 4 | 4 |
| 11. | I Wayan Pasek Kurnia          | 4               | 3 | 3 | 2 | 3 | 4 | 3 | 2 |
| 12. | Kadek Agus Raditya            | 5               | 5 | 4 | 2 | 4 | 4 | 4 | 4 |
| 13. | Kadek Aira Saccani            | 2               | 2 | 3 | 3 | 2 | 2 | 2 | 2 |
| 14. | Kadek Anggun Riani Putri      | 3               | 4 | 4 | 3 | 4 | 4 | 4 | 2 |
| 15. | Kadek Astrid Ardyanti         | 2               | 2 | 3 | 4 | 4 | 2 | 2 | 2 |
| 16. | Kadek Handy Surya Acintya     | 5               | 5 | 2 | 1 | 4 | 5 | 1 | 3 |
| 17. | Kadek Indah Hardiyantini      | 3               | 4 | 3 | 2 | 3 | 4 | 3 | 3 |
| 18. | Kadek Sudha Whirat            | 3               | 4 | 2 | 3 | 3 | 4 | 3 | 2 |
| 19. | Ketut Harta Karunia Suari     | 5               | 5 | 4 | 1 | 5 | 3 | 4 | 1 |
| 20. | Komang Agastian Teja          | 2               | 3 | 2 | 3 | 2 | 2 | 2 | 2 |
| 21. | Komang Ardhyamahinsa          | 4               | 5 | 4 | 3 | 3 | 5 | 4 | 3 |
| 22. | Luh Misshyel Kanaya           | 5               | 5 | 5 | 3 | 5 | 5 | 4 | 4 |
| 23. | Made Tina Wijaya              | 4               | 4 | 5 | 1 | 4 | 4 | 3 | 4 |
| 24. | Ngurah Kade Aldena Nakarya    | 4               | 4 | 4 | 3 | 4 | 4 | 3 | 3 |
| 25. | Ni Putu Anggi Novita Dewi     | 3               | 2 | 2 | 3 | 2 | 3 | 4 | 2 |
| 26. | Ni Putu Melda Mahayoni        | 4               | 4 | 2 | 3 | 3 | 4 | 4 | 3 |
| 27. | Nyoman Dita Triutami Swari    | 4               | 3 | 4 | 3 | 2 | 4 | 3 | 2 |
| 28. | Pande Ketut Gede Satya Prema  | 4               | 5 | 4 | 2 | 4 | 5 | 4 | 4 |
| 29. | Putu Aishwarya Chandra        | 4               | 2 | 4 | 5 | 4 | 5 | 4 | 1 |
| 30. | Putu Andre Julio              | 4               | 3 | 1 | 3 | 2 | 4 | 2 | 3 |
| 31. | Putu Astyra Mahayani Putri    | 4               | 5 | 4 | 1 | 4 | 5 | 4 | 3 |
| 32. | Putu Atisa Berlianda Putri    | 4               | 5 | 3 | 1 | 5 | 5 | 4 | 1 |
| 33. | Putu Tian Dema Putri          | 4               | 3 | 3 | 3 | 3 | 4 | 2 | 4 |
| 34. | Ayu Savita Giridara Bukian    | 2               | 2 | 2 | 3 | 3 | 2 | 2 | 2 |
| 35. | Chania Marmora Oriana         | 3               | 4 | 4 | 1 | 4 | 3 | 4 | 4 |
| 36. | Desak Putu Firsha Anandita    | 3               | 5 | 5 | 2 | 5 | 5 | 4 | 5 |
| 37. | Farid Ardiansyah              | 4               | 3 | 3 | 2 | 3 | 2 | 2 | 2 |
| 38. | Gede Adi Amerta               | 4               | 4 | 2 | 3 | 4 | 3 | 2 | 3 |

| No  | Nama Responden                | Item Pernyataan |   |   |   |   |   |   |   |
|-----|-------------------------------|-----------------|---|---|---|---|---|---|---|
|     |                               | 1               | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 39. | Gede Andra Wipartha           | 5               | 5 | 3 | 2 | 4 | 4 | 3 | 2 |
| 40. | Gede Mas Wira Nugraha         | 4               | 4 | 4 | 1 | 4 | 4 | 4 | 3 |
| 41. | Gede Ngurah Andhika           | 3               | 3 | 2 | 2 | 3 | 4 | 3 | 4 |
| 42. | Gede Puja Agastya             | 5               | 5 | 4 | 1 | 5 | 5 | 4 | 1 |
| 43. | Gede Yudi Putra Sastrawan     | 4               | 5 | 4 | 1 | 5 | 5 | 4 | 3 |
| 44. | Kadek Bayu Artadinata         | 4               | 4 | 1 | 2 | 3 | 4 | 2 | 1 |
| 45. | Kadek Diah Pradnyani          | 4               | 4 | 3 | 2 | 3 | 4 | 3 | 3 |
| 46. | Kadek Ghian Kurniasaka        | 5               | 3 | 4 | 4 | 2 | 5 | 1 | 2 |
| 47. | Ketut Velyia Bunga            | 4               | 4 | 4 | 1 | 4 | 4 | 3 | 4 |
| 48. | Komang Dhina Widiayunita      | 4               | 4 | 4 | 2 | 4 | 4 | 4 | 4 |
| 49. | Komang Diva Ade Saputra       | 4               | 4 | 3 | 3 | 3 | 5 | 1 | 3 |
| 50. | Komang Tisna Putri Ardianti   | 4               | 3 | 3 | 2 | 3 | 4 | 2 | 2 |
| 51. | Luh Dera Nindy Agitanaya      | 4               | 4 | 2 | 2 | 3 | 3 | 2 | 2 |
| 52. | Made Devina Yanti             | 4               | 5 | 4 | 2 | 4 | 5 | 4 | 2 |
| 53. | Made Panji Ananta Udrayana    | 3               | 4 | 3 | 2 | 3 | 4 | 2 | 3 |
| 54. | Ni Gusti Ayu Ratih Indira     | 4               | 3 | 2 | 1 | 4 | 5 | 3 | 1 |
| 55. | Ni Made Kinanti Aishvarya     | 4               | 4 | 4 | 2 | 4 | 4 | 4 | 3 |
| 56. | Putu Abby Dhanuartha          | 3               | 3 | 3 | 3 | 3 | 4 | 3 | 3 |
| 57. | Putu Aby Nanda Pratama        | 5               | 5 | 1 | 1 | 5 | 1 | 1 | 1 |
| 58. | Putu Almira Praba Jayanti     | 4               | 4 | 4 | 2 | 4 | 4 | 4 | 3 |
| 59. | Putu Annika Putri Swanjaya    | 4               | 4 | 2 | 2 | 3 | 4 | 4 | 3 |
| 60. | Putu Ardi Suadnyana           | 5               | 5 | 5 | 1 | 4 | 4 | 3 | 4 |
| 61. | Putu Dea Renata               | 4               | 4 | 3 | 2 | 4 | 4 | 2 | 3 |
| 62. | Putu Gresia Ananditha Pratiwi | 3               | 3 | 3 | 2 | 3 | 4 | 3 | 2 |
| 63. | Putu Mahendra Hanaya Putra    | 4               | 4 | 3 | 2 | 4 | 4 | 3 | 3 |
| 64. | Putu Rachela Avenia Santosa   | 3               | 3 | 3 | 3 | 3 | 3 | 2 | 2 |
| 65. | Putu Subianta Irene Mulyani   | 5               | 5 | 4 | 2 | 4 | 4 | 3 | 2 |

| No  | Nama Responden                | Item Pernyataan |    |    |    |    |    |    |    |
|-----|-------------------------------|-----------------|----|----|----|----|----|----|----|
|     |                               | 9               | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1.  | Desak Putu Ganeshia Reshmi    | 5               | 4  | 4  | 2  | 2  | 4  | 4  | 4  |
| 2.  | Desak Putu Luna Meika Dianti  | 4               | 4  | 4  | 4  | 4  | 4  | 4  | 4  |
| 3.  | Dewa Gede Anggan Triatmana    | 4               | 4  | 3  | 3  | 3  | 4  | 2  | 3  |
| 4.  | Gede Aryawan Dinata           | 4               | 4  | 5  | 4  | 4  | 4  | 4  | 5  |
| 5.  | Gede Bagus Cetta Gellardi     | 3               | 4  | 4  | 3  | 3  | 4  | 3  | 4  |
| 6.  | Gede Daren Maha Suardika      | 4               | 3  | 4  | 2  | 3  | 3  | 2  | 5  |
| 7.  | I Gusti Ngurah Kresna Agastya | 4               | 4  | 2  | 2  | 4  | 4  | 2  | 3  |
| 8.  | I Kadek Sadu Wiguna           | 2               | 4  | 4  | 2  | 4  | 4  | 4  | 5  |
| 9.  | I Komang Satria Laksana       | 3               | 4  | 4  | 2  | 2  | 4  | 2  | 3  |
| 10. | I Putu Narayana Mahendra      | 5               | 5  | 4  | 3  | 3  | 4  | 4  | 5  |
| 11. | I Wayan Pasek Kurnia          | 3               | 3  | 4  | 3  | 3  | 4  | 3  | 4  |
| 12. | Kadek Agus Raditya            | 4               | 4  | 4  | 4  | 4  | 4  | 4  | 4  |
| 13. | Kadek Aira Saccani            | 4               | 4  | 2  | 4  | 2  | 2  | 4  | 4  |
| 14. | Kadek Anggun Riani Putri      | 3               | 4  | 3  | 3  | 4  | 4  | 3  | 3  |



| No  | Nama Responden               | Item Pernyataan |    |    |    |    |    |    |    |
|-----|------------------------------|-----------------|----|----|----|----|----|----|----|
|     |                              | 9               | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 15. | Kadek Astrid Ardyanti        | 4               | 3  | 3  | 2  | 2  | 2  | 2  | 3  |
| 16. | Kadek Handy Surya Acintya    | 5               | 5  | 3  | 2  | 3  | 5  | 3  | 4  |
| 17. | Kadek Indah Hardiyantini     | 4               | 3  | 4  | 3  | 3  | 3  | 3  | 4  |
| 18. | Kadek Sudha Whirat           | 4               | 4  | 3  | 2  | 4  | 3  | 2  | 2  |
| 19. | Ketut Harta Karunia Suari    | 4               | 4  | 4  | 4  | 3  | 5  | 3  | 5  |
| 20. | Komang Agastian Teja         | 2               | 2  | 2  | 3  | 3  | 3  | 3  | 4  |
| 21. | Komang Ardhyamahinsa         | 5               | 4  | 4  | 4  | 4  | 4  | 2  | 4  |
| 22. | Luh Misshyel Kanaya          | 5               | 5  | 5  | 1  | 5  | 5  | 4  | 4  |
| 23. | Made Tina Wijaya             | 4               | 4  | 4  | 3  | 3  | 3  | 3  | 4  |
| 24. | Ngurah Kade Aldena Nakarya   | 4               | 5  | 3  | 3  | 4  | 4  | 3  | 3  |
| 25. | Ni Putu Anggi Novita Dewi    | 3               | 4  | 4  | 3  | 4  | 3  | 3  | 3  |
| 26. | Ni Putu Melda Mahayoni       | 3               | 5  | 3  | 2  | 5  | 5  | 3  | 4  |
| 27. | Nyoman Dita Triutami Swari   | 4               | 3  | 4  | 4  | 3  | 3  | 2  | 4  |
| 28. | Pande Ketut Gede Satya Prema | 4               | 5  | 4  | 3  | 4  | 4  | 4  | 4  |
| 29. | Putu Aishwarya Chandra       | 5               | 4  | 3  | 3  | 4  | 1  | 1  | 2  |
| 30. | Putu Andre Julio             | 4               | 3  | 2  | 5  | 1  | 3  | 4  | 4  |
| 31. | Putu Astyra Mahayani Putri   | 4               | 5  | 5  | 1  | 5  | 5  | 4  | 5  |
| 32. | Putu Atisa Berlianda Putri   | 2               | 5  | 4  | 4  | 3  | 5  | 4  | 4  |
| 33. | Putu Tian Dema Putri         | 3               | 3  | 3  | 2  | 3  | 3  | 2  | 3  |
| 34. | Ayu Savita Giridara Bukian   | 2               | 3  | 3  | 2  | 1  | 2  | 2  | 3  |
| 35. | Chania Marmora Oriana        | 5               | 5  | 4  | 3  | 3  | 1  | 4  | 3  |
| 36. | Desak Putu Firsha Anandita   | 5               | 5  | 4  | 5  | 5  | 5  | 5  | 5  |
| 37. | Farid Ardiansyah             | 3               | 3  | 2  | 3  | 4  | 3  | 3  | 4  |
| 38. | Gede Adi Amerta              | 4               | 3  | 2  | 3  | 4  | 3  | 2  | 3  |
| 39. | Gede Andra Wipartha          | 4               | 4  | 3  | 3  | 5  | 5  | 1  | 3  |
| 40. | Gede Mas Wira Nugraha        | 4               | 4  | 4  | 3  | 3  | 4  | 3  | 2  |
| 41. | Gede Ngurah Andhika          | 4               | 3  | 2  | 3  | 4  | 4  | 2  | 4  |
| 42. | Gede Puja Agastya            | 5               | 5  | 4  | 1  | 3  | 5  | 1  | 4  |
| 43. | Gede Yudi Putra Sastrawan    | 5               | 5  | 5  | 1  | 4  | 5  | 3  | 5  |
| 44. | Kadek Bayu Artadinata        | 3               | 5  | 2  | 2  | 4  | 5  | 3  | 2  |
| 45. | Kadek Diah Pradnyani         | 4               | 3  | 4  | 3  | 3  | 3  | 3  | 4  |
| 46. | Kadek Ghian Kurniasaka       | 2               | 5  | 4  | 4  | 2  | 2  | 2  | 2  |
| 47. | Ketut Velyia Bunga           | 5               | 4  | 4  | 1  | 3  | 4  | 5  | 2  |
| 48. | Komang Dhina Widiayunita     | 4               | 4  | 4  | 4  | 2  | 2  | 4  | 2  |
| 49. | Komang Diva Ade Saputra      | 3               | 3  | 2  | 2  | 3  | 3  | 2  | 3  |
| 50. | Komang Tisna Putri Ardianti  | 3               | 3  | 4  | 3  | 3  | 4  | 2  | 4  |
| 51. | Luh Dera Nindy Agitanaya     | 4               | 4  | 2  | 2  | 3  | 1  | 2  | 3  |
| 52. | Made Devina Yanti            | 3               | 4  | 3  | 4  | 3  | 4  | 3  | 4  |
| 53. | Made Panji Ananta Udrayana   | 3               | 3  | 2  | 3  | 3  | 3  | 3  | 3  |
| 54. | Ni Gusti Ayu Ratih Indira    | 4               | 3  | 1  | 2  | 5  | 4  | 2  | 1  |
| 55. | Ni Made Kinanti Aishvarya    | 4               | 4  | 4  | 2  | 4  | 4  | 4  | 3  |
| 56. | Putu Abby Dhanuartha         | 3               | 4  | 3  | 3  | 3  | 4  | 3  | 3  |
| 57. | Putu Aby Nanda Pratama       | 4               | 4  | 3  | 2  | 4  | 3  | 1  | 1  |
| 58. | Putu Almira Praba Jayanti    | 3               | 3  | 4  | 2  | 3  | 3  | 3  | 4  |

| No  | Nama Responden                | Item Pernyataan |    |    |    |    |    |    |    |
|-----|-------------------------------|-----------------|----|----|----|----|----|----|----|
|     |                               | 9               | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 59. | Putu Annika Putri Swanjaya    | 4               | 3  | 3  | 3  | 3  | 4  | 4  | 4  |
| 60. | Putu Ardi Suadnyana           | 4               | 4  | 4  | 4  | 4  | 3  | 2  | 5  |
| 61. | Putu Dea Renata               | 5               | 4  | 2  | 1  | 4  | 4  | 2  | 2  |
| 62. | Putu Gresia Ananditha Pratiwi | 4               | 4  | 3  | 3  | 4  | 4  | 4  | 4  |
| 63. | Putu Mahendra Hanaya Putra    | 5               | 5  | 3  | 4  | 3  | 4  | 3  | 3  |
| 64. | Putu Rachela Avenia Santosa   | 2               | 4  | 4  | 3  | 3  | 3  | 2  | 4  |
| 65. | Putu Subianta Irene Mulyani   | 4               | 3  | 5  | 1  | 3  | 4  | 2  | 3  |

| No  | Nama Responden             | Item Pernyataan |    |    |    |    |    |    |    |
|-----|----------------------------|-----------------|----|----|----|----|----|----|----|
|     |                            | 17              | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 1.  | Desak Putu Ganeshia Reshmi | 3               | 4  | 4  | 4  | 2  | 4  | 2  | 2  |
| 2.  | Desak Putu Luna Meika      | 3               | 4  | 4  | 4  | 4  | 4  | 2  | 2  |
| 3.  | Dewa Gede Anggan           | 3               | 4  | 2  | 3  | 3  | 3  | 2  | 2  |
| 4.  | Gede Aryawan Dinata        | 4               | 4  | 4  | 5  | 4  | 4  | 2  | 4  |
| 5.  | Gede Bagus Cetta Gellardi  | 2               | 4  | 4  | 3  | 4  | 3  | 2  | 3  |
| 6.  | Gede Daren Maha Suardika   | 3               | 3  | 3  | 2  | 3  | 3  | 2  | 3  |
| 7.  | I Gusti Ngurah Kresna      | 4               | 4  | 4  | 3  | 3  | 4  | 2  | 2  |
| 8.  | I Kadek Sadu Wiguna        | 3               | 4  | 4  | 2  | 4  | 5  | 2  | 2  |
| 9.  | I Komang Satria Laksana    | 3               | 4  | 4  | 2  | 2  | 4  | 2  | 4  |
| 10. | I Putu Narayana Mahendra   | 4               | 4  | 4  | 4  | 4  | 4  | 4  | 2  |
| 11. | I Wayan Pasek Kurnia       | 3               | 4  | 4  | 3  | 4  | 5  | 3  | 1  |
| 12. | Kadek Agus Raditya         | 4               | 4  | 4  | 4  | 4  | 4  | 2  | 4  |
| 13. | Kadek Aira Saccani         | 2               | 2  | 2  | 2  | 4  | 4  | 2  | 2  |
| 14. | Kadek Anggun Riani Putri   | 3               | 4  | 3  | 2  | 3  | 3  | 2  | 3  |
| 15. | Kadek Astrid Ardyanti      | 2               | 3  | 3  | 2  | 3  | 4  | 2  | 4  |
| 16. | Kadek Handy Surya Acintya  | 3               | 5  | 4  | 4  | 3  | 3  | 1  | 2  |
| 17. | Kadek Indah Hardiyantini   | 3               | 3  | 4  | 4  | 4  | 3  | 2  | 3  |
| 18. | Kadek Sudha Whirat         | 2               | 4  | 3  | 1  | 3  | 4  | 2  | 2  |
| 19. | Ketut Harta Karunia Suari  | 4               | 5  | 4  | 3  | 4  | 4  | 3  | 3  |
| 20. | Komang Agastian Teja       | 2               | 4  | 2  | 2  | 3  | 4  | 2  | 3  |
| 21. | Komang Ardhyamahinsa       | 5               | 5  | 4  | 4  | 3  | 4  | 2  | 3  |
| 22. | Luh Misshyel Kanaya        | 5               | 5  | 5  | 4  | 5  | 5  | 3  | 3  |
| 23. | Made Tina Wijaya           | 4               | 5  | 3  | 3  | 3  | 4  | 2  | 2  |
| 24. | Ngurah Kade Aldena Nakarya | 4               | 4  | 3  | 3  | 4  | 4  | 2  | 3  |
| 25. | Ni Putu Anggi Novita Dewi  | 3               | 3  | 2  | 4  | 2  | 3  | 4  | 2  |
| 26. | Ni Putu Melda Mahayoni     | 5               | 5  | 3  | 3  | 5  | 4  | 2  | 2  |
| 27. | Nyoman Dita Triutami Swari | 3               | 4  | 4  | 2  | 3  | 3  | 2  | 2  |
| 28. | Pande Ketut Gede Satya     | 4               | 4  | 4  | 4  | 4  | 4  | 2  | 3  |
| 29. | Putu Aishwarya Chandra     | 4               | 2  | 1  | 2  | 3  | 3  | 1  | 2  |
| 30. | Putu Andre Julio           | 3               | 5  | 2  | 2  | 1  | 3  | 3  | 1  |
| 31. | Putu Astyra Mahayani Putri | 3               | 5  | 5  | 3  | 4  | 5  | 4  | 4  |
| 32. | Putu Atisa Berlianda Putri | 3               | 5  | 4  | 2  | 3  | 4  | 1  | 1  |
| 33. | Putu Tian Dema Putri       | 3               | 3  | 3  | 5  | 3  | 4  | 2  | 4  |
| 34. | Ayu Savita Giridara Bukian | 1               | 1  | 2  | 3  | 4  | 3  | 4  | 4  |

| No  | Nama Responden                | Item Pernyataan |    |    |    |    |    |    |    |
|-----|-------------------------------|-----------------|----|----|----|----|----|----|----|
|     |                               | 17              | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 35. | Chania Marmora Oriana         | 4               | 5  | 5  | 5  | 4  | 4  | 5  | 5  |
| 36. | Desak Putu Firsha Anandita    | 4               | 4  | 4  | 3  | 4  | 5  | 5  | 4  |
| 37. | Farid Ardiansyah              | 4               | 4  | 3  | 2  | 4  | 3  | 2  | 4  |
| 38. | Gede Adi Amerta               | 4               | 4  | 3  | 2  | 3  | 4  | 3  | 2  |
| 39. | Gede Andra Wipartha           | 5               | 5  | 1  | 1  | 4  | 4  | 2  | 3  |
| 40. | Gede Mas Wira Nugraha         | 4               | 5  | 4  | 3  | 3  | 4  | 1  | 3  |
| 41. | Gede Ngurah Andhika           | 4               | 4  | 3  | 2  | 4  | 4  | 2  | 2  |
| 42. | Gede Puja Agastya             | 3               | 5  | 4  | 1  | 4  | 5  | 3  | 3  |
| 43. | Gede Yudi Putra Sastrawan     | 2               | 4  | 5  | 2  | 5  | 5  | 3  | 1  |
| 44. | Kadek Bayu Artadinata         | 5               | 4  | 2  | 1  | 4  | 4  | 3  | 2  |
| 45. | Kadek Diah Pradnyani          | 3               | 5  | 4  | 2  | 3  | 3  | 3  | 3  |
| 46. | Kadek Ghian Kurniasaka        | 2               | 2  | 4  | 2  | 4  | 4  | 1  | 4  |
| 47. | Ketut Velyia Bunga            | 4               | 5  | 5  | 4  | 4  | 4  | 3  | 2  |
| 48. | Komang Dhina Widiayunita      | 4               | 4  | 4  | 4  | 4  | 4  | 2  | 2  |
| 49. | Komang Diva Ade Saputra       | 2               | 3  | 3  | 1  | 5  | 4  | 3  | 2  |
| 50. | Komang Tisna Putri Ardianti   | 4               | 4  | 4  | 4  | 3  | 3  | 3  | 3  |
| 51. | Luh Dera Nindy Agitanaya      | 2               | 4  | 4  | 2  | 3  | 4  | 3  | 3  |
| 52. | Made Devina Yanti             | 3               | 4  | 3  | 2  | 3  | 4  | 2  | 3  |
| 53. | Made Panji Ananta Udrayana    | 2               | 4  | 3  | 3  | 4  | 4  | 3  | 3  |
| 54. | Ni Gusti Ayu Ratih Indira     | 4               | 3  | 2  | 1  | 4  | 5  | 3  | 1  |
| 55. | Ni Made Kinanti Aishvarya     | 4               | 4  | 4  | 4  | 4  | 4  | 4  | 4  |
| 56. | Putu Abby Dhanuartha          | 3               | 4  | 2  | 2  | 5  | 3  | 3  | 3  |
| 57. | Putu Aby Nanda Pratama        | 5               | 5  | 1  | 1  | 5  | 5  | 4  | 1  |
| 58. | Putu Almira Praba Jayanti     | 3               | 4  | 3  | 3  | 3  | 4  | 3  | 2  |
| 59. | Putu Annika Putri Swanjaya    | 3               | 4  | 4  | 3  | 3  | 4  | 3  | 3  |
| 60. | Putu Ardi Suadnyana           | 5               | 5  | 5  | 5  | 5  | 5  | 5  | 5  |
| 61. | Putu Dea Renata               | 3               | 4  | 2  | 1  | 4  | 3  | 2  | 3  |
| 62. | Putu Gresia Ananditha Pratiwi | 3               | 4  | 2  | 4  | 3  | 2  | 2  | 2  |
| 63. | Putu Mahendra Hanaya Putra    | 4               | 4  | 3  | 4  | 3  | 5  | 1  | 2  |
| 64. | Putu Rachela Avenia Santosa   | 4               | 4  | 4  | 3  | 4  | 4  | 2  | 4  |
| 65. | Putu Subianta Irene Mulyani   | 5               | 5  | 3  | 2  | 3  | 4  | 2  | 3  |

| No  | Nama Responden             | Item Pernyataan |    |    |    |    |    |    |    |
|-----|----------------------------|-----------------|----|----|----|----|----|----|----|
|     |                            | 25              | 26 | 27 | 28 | 29 | 30 | 31 | 32 |
| 1.  | Desak Putu Ganeshia Reshmi | 4               | 4  | 5  | 3  | 4  | 4  | 4  | 4  |
| 2.  | Desak Putu Luna Meika      | 4               | 4  | 4  | 4  | 4  | 4  | 4  | 4  |
| 3.  | Dewa Gede Anggan           | 4               | 4  | 3  | 2  | 4  | 4  | 3  | 3  |
| 4.  | Gede Aryawan Dinata        | 4               | 4  | 5  | 4  | 4  | 4  | 5  | 4  |
| 5.  | Gede Bagus Cetta Gellardi  | 5               | 4  | 2  | 2  | 4  | 4  | 4  | 4  |
| 6.  | Gede Daren Maha Suardika   | 4               | 4  | 4  | 4  | 4  | 3  | 4  | 4  |
| 7.  | I Gusti Ngurah Kresna      | 4               | 4  | 2  | 3  | 4  | 4  | 2  | 3  |
| 8.  | I Kadek Sadu Wiguna        | 5               | 5  | 4  | 4  | 4  | 4  | 4  | 5  |
| 9.  | I Komang Satria Laksana    | 4               | 4  | 4  | 4  | 3  | 4  | 2  | 2  |
| 10. | I Putu Narayana Mahendra   | 5               | 4  | 5  | 3  | 4  | 2  | 4  | 4  |

| No  | Nama Responden              | Item Pernyataan |    |    |    |    |    |    |    |
|-----|-----------------------------|-----------------|----|----|----|----|----|----|----|
|     |                             | 25              | 26 | 27 | 28 | 29 | 30 | 31 | 32 |
| 11. | I Wayan Pasek Kurnia        | 4               | 5  | 3  | 3  | 3  | 5  | 4  | 2  |
| 12. | Kadek Agus Raditya          | 4               | 4  | 4  | 4  | 4  | 4  | 4  | 4  |
| 13. | Kadek Aira Saccani          | 4               | 4  | 2  | 2  | 4  | 3  | 2  | 2  |
| 14. | Kadek Anggun Riani Putri    | 4               | 4  | 4  | 3  | 2  | 3  | 3  | 3  |
| 15. | Kadek Astrid Ardyanti       | 5               | 5  | 4  | 4  | 4  | 4  | 4  | 3  |
| 16. | Kadek Handy Surya Acintya   | 5               | 5  | 4  | 3  | 4  | 4  | 4  | 3  |
| 17. | Kadek Indah Hardiyantini    | 4               | 5  | 4  | 4  | 4  | 4  | 4  | 4  |
| 18. | Kadek Sudha Whirat          | 4               | 4  | 4  | 3  | 4  | 4  | 4  | 3  |
| 19. | Ketut Harta Karunia Suari   | 3               | 4  | 4  | 4  | 4  | 4  | 4  | 4  |
| 20. | Komang Agastian Teja        | 5               | 5  | 4  | 4  | 3  | 2  | 3  | 2  |
| 21. | Komang Ardhyamahinsa        | 5               | 3  | 4  | 4  | 4  | 4  | 4  | 4  |
| 22. | Luh Misshyel Kanaya         | 4               | 4  | 3  | 5  | 5  | 5  | 5  | 5  |
| 23. | Made Tina Wijaya            | 4               | 4  | 3  | 3  | 4  | 5  | 5  | 2  |
| 24. | Ngurah Kade Aldena Nakarya  | 4               | 4  | 3  | 3  | 4  | 4  | 4  | 4  |
| 25. | Ni Putu Anggi Novita Dewi   | 3               | 2  | 3  | 2  | 2  | 3  | 4  | 2  |
| 26. | Ni Putu Melda Mahayoni      | 5               | 5  | 4  | 1  | 5  | 4  | 4  | 2  |
| 27. | Nyoman Dita Triutami Swari  | 4               | 5  | 3  | 4  | 2  | 4  | 3  | 2  |
| 28. | Pande Ketut Gede Satya      | 4               | 4  | 4  | 4  | 4  | 4  | 4  | 4  |
| 29. | Putu Aishwarya Chandra      | 4               | 5  | 1  | 1  | 4  | 3  | 3  | 1  |
| 30. | Putu Andre Julio            | 5               | 4  | 3  | 2  | 4  | 3  | 1  | 2  |
| 31. | Putu Astyra Mahayani Putri  | 5               | 4  | 4  | 3  | 4  | 5  | 5  | 4  |
| 32. | Putu Atisa Berlianda Putri  | 5               | 5  | 5  | 4  | 5  | 5  | 4  | 4  |
| 33. | Putu Tian Dema Putri        | 4               | 4  | 4  | 5  | 3  | 3  | 3  | 4  |
| 34. | Ayu Savita Giridara Bukian  | 5               | 4  | 4  | 3  | 4  | 2  | 4  | 4  |
| 35. | Chania Marmora Oriana       | 5               | 5  | 5  | 5  | 4  | 5  | 5  | 5  |
| 36. | Desak Putu Firsha Anandita  | 5               | 5  | 3  | 4  | 4  | 5  | 5  | 4  |
| 37. | Farid Ardiansyah            | 3               | 4  | 2  | 2  | 4  | 3  | 2  | 2  |
| 38. | Gede Adi Amerta             | 3               | 4  | 3  | 2  | 3  | 4  | 3  | 2  |
| 39. | Gede Andra Wipartha         | 3               | 3  | 2  | 1  | 5  | 5  | 1  | 2  |
| 40. | Gede Mas Wira Nugraha       | 4               | 4  | 5  | 4  | 4  | 5  | 5  | 3  |
| 41. | Gede Ngurah Andhika         | 4               | 4  | 4  | 4  | 2  | 3  | 3  | 2  |
| 42. | Gede Puja Agastya           | 5               | 5  | 4  | 5  | 5  | 5  | 5  | 5  |
| 43. | Gede Yudi Putra Sastrawan   | 5               | 5  | 5  | 3  | 5  | 1  | 4  | 4  |
| 44. | Kadek Bayu Artadinata       | 4               | 5  | 2  | 3  | 4  | 4  | 2  | 1  |
| 45. | Kadek Diah Pradnyani        | 4               | 4  | 3  | 3  | 3  | 4  | 3  | 2  |
| 46. | Kadek Ghian Kurniasaka      | 5               | 1  | 5  | 4  | 2  | 4  | 3  | 3  |
| 47. | Ketut Velyia Bunga          | 5               | 5  | 5  | 2  | 3  | 3  | 5  | 2  |
| 48. | Komang Dhina Widiayunita    | 4               | 4  | 4  | 4  | 4  | 4  | 4  | 4  |
| 49. | Komang Diva Ade Saputra     | 4               | 5  | 3  | 3  | 4  | 4  | 3  | 3  |
| 50. | Komang Tisna Putri Ardianti | 4               | 4  | 4  | 3  | 3  | 3  | 4  | 3  |
| 51. | Luh Dera Nindy Agitanaya    | 5               | 4  | 4  | 3  | 4  | 4  | 5  | 4  |
| 52. | Made Devina Yanti           | 5               | 5  | 4  | 4  | 4  | 4  | 3  | 4  |
| 53. | Made Panji Ananta Udrayana  | 2               | 3  | 3  | 3  | 3  | 2  | 2  | 4  |
| 54. | Ni Gusti Ayu Ratih Indira   | 4               | 3  | 1  | 2  | 4  | 5  | 3  | 2  |



| No  | Nama Responden                | Item Pernyataan |    |    |    |    |    |    |    |
|-----|-------------------------------|-----------------|----|----|----|----|----|----|----|
|     |                               | 25              | 26 | 27 | 28 | 29 | 30 | 31 | 32 |
| 55. | Ni Made Kinanti Aishvarya     | 4               | 4  | 4  | 4  | 4  | 4  | 4  | 3  |
| 56. | Putu Abby Dhanuartha          | 4               | 4  | 4  | 4  | 4  | 3  | 5  | 3  |
| 57. | Putu Aby Nanda Pratama        | 5               | 2  | 4  | 4  | 2  | 5  | 1  | 5  |
| 58. | Putu Almira Praba Jayanti     | 4               | 4  | 4  | 4  | 4  | 4  | 2  | 2  |
| 59. | Putu Annika Putri Swanjaya    | 4               | 4  | 2  | 3  | 4  | 4  | 3  | 3  |
| 60. | Putu Ardi Suadnyana           | 5               | 4  | 4  | 4  | 5  | 5  | 4  | 5  |
| 61. | Putu Dea Renata               | 4               | 5  | 1  | 2  | 4  | 4  | 1  | 2  |
| 62. | Putu Gresia Ananditha Pratiwi | 4               | 4  | 2  | 3  | 4  | 5  | 3  | 3  |
| 63. | Putu Mahendra Hanaya Putra    | 5               | 5  | 3  | 4  | 4  | 4  | 2  | 3  |
| 64. | Putu Rachela Avenia Santosa   | 4               | 4  | 4  | 4  | 4  | 4  | 4  | 3  |
| 65. | Putu Subianta Irene Mulyani   | 5               | 3  | 3  | 2  | 5  | 5  | 4  | 4  |

| No  | Nama Responden                 | Item Pernyataan |    |    |       |
|-----|--------------------------------|-----------------|----|----|-------|
|     |                                | 33              | 34 | 35 | Total |
| 1.  | Desak Putu Ganeshia Reshmi     | 3               | 3  | 2  | 121   |
| 2.  | Desak Putu Luna Meika Dianti   | 4               | 4  | 4  | 128   |
| 3.  | Dewa Gede Anggan Triatmana     | 4               | 3  | 3  | 111   |
| 4.  | Gede Aryawan Dinata            | 5               | 4  | 5  | 148   |
| 5.  | Gede Bagus Cetta Gellardi      | 3               | 4  | 3  | 120   |
| 6.  | Gede Daren Maha Suardika       | 3               | 2  | 3  | 111   |
| 7.  | I Gusti Ngurah Kresna Agastya  | 4               | 4  | 4  | 119   |
| 8.  | I Kadek Sadu Wiguna            | 2               | 4  | 4  | 131   |
| 9.  | I Komang Satria Laksana Widama | 2               | 2  | 4  | 108   |
| 10. | I Putu Narayana Mahendra       | 4               | 4  | 2  | 134   |
| 11. | I Wayan Pasek Kurnia           | 3               | 3  | 3  | 116   |
| 12. | Kadek Agus Raditya             | 4               | 3  | 4  | 137   |
| 13. | Kadek Aira Saccani             | 2               | 2  | 4  | 95    |
| 14. | Kadek Anggun Riani Putri       | 3               | 4  | 2  | 113   |
| 15. | Kadek Astrid Ardyanti          | 3               | 3  | 2  | 106   |
| 16. | Kadek Handy Surya Acintya      | 2               | 4  | 2  | 121   |
| 17. | Kadek Indah Hardiyantini       | 3               | 3  | 4  | 121   |
| 18. | Kadek Sudha Whirat             | 2               | 2  | 2  | 105   |
| 19. | Ketut Harta Karunia Suari      | 3               | 4  | 3  | 131   |
| 20. | Komang Agastian Teja           | 2               | 3  | 2  | 97    |
| 21. | Komang Ardhyamahinsa Dhanika   | 3               | 3  | 2  | 132   |
| 22. | Luh Misshyel Kanaya Erawady    | 5               | 4  | 1  | 151   |
| 23. | Made Tina Wijaya               | 4               | 4  | 3  | 124   |
| 24. | Ngurah Kade Aldena Nakarya     | 4               | 4  | 3  | 126   |
| 25. | Ni Putu Anggi Novita Dewi      | 3               | 2  | 2  | 99    |
| 26. | Ni Putu Melda Mahayoni Pratiwi | 5               | 5  | 3  | 129   |
| 27. | Nyoman Dita Triutami Swari     | 3               | 3  | 3  | 111   |
| 28. | Pande Ketut Gede Satya Prema   | 4               | 4  | 4  | 137   |
| 29. | Putu Aishwarya Chandra Gupita  | 4               | 5  | 1  | 102   |
| 30. | Putu Andre Julio               | 3               | 2  | 5  | 102   |



| No  | Nama Responden                   | Item Pernyataan |    |    |       |
|-----|----------------------------------|-----------------|----|----|-------|
|     |                                  | 33              | 34 | 35 | Total |
| 31. | Putu Astyra Mahayani Putri       | 3               | 4  | 4  | 142   |
| 32. | Putu Atisa Berlianda Putri       | 3               | 3  | 1  | 126   |
| 33. | Putu Tian Dema Putri             | 2               | 3  | 2  | 112   |
| 34. | Ayu Savita Giridara Bukian       | 3               | 4  | 5  | 100   |
| 35. | Chania Marmora Oriana            | 5               | 5  | 5  | 146   |
| 36. | Desak Putu Firsha Anandita       | 3               | 5  | 5  | 154   |
| 37. | Farid Ardiansyah                 | 3               | 4  |    | 101   |
| 38. | Gede Adi Amerta                  | 3               | 4  | 3  | 108   |
| 39. | Gede Andra Wipartha              | 4               | 4  | 2  | 113   |
| 40. | Gede Mas Wira Nugraha            | 4               | 3  | 5  | 128   |
| 41. | Gede Ngurah Andhika Setiawan     | 3               | 4  | 2  | 110   |
| 42. | Gede Puja Agastya                | 5               | 3  | 3  | 136   |
| 43. | Gede Yudi Putra Sastrawan        | 3               | 3  | 5  | 134   |
| 44. | Kadek Bayu Artadinata            | 4               | 4  | 2  | 107   |
| 45. | Kadek Diah Pradnyani             | 3               | 3  | 3  | 114   |
| 46. | Kadek Ghian Kurniasaka           | 3               | 3  | 3  | 108   |
| 47. | Ketut Velyia Bunga Permatasari   | 4               | 4  | 5  | 130   |
| 48. | Komang Dhina Widiayunita         | 4               | 4  | 4  | 128   |
| 49. | Komang Diva Ade Saputra          | 3               | 5  | 3  | 110   |
| 50. | Komang Tisna Putri Ardianti      | 3               | 3  | 4  | 115   |
| 51. | Luh Dera Nindy Agitanaya         | 4               | 3  | 3  | 111   |
| 52. | Made Devina Yanti                | 4               | 3  | 4  | 126   |
| 53. | Made Panji Ananta Udrayana       | 3               | 5  | 2  | 105   |
| 54. | Ni Gusti Ayu Ratih Indira Suari  | 5               | 3  | 4  | 104   |
| 55. | Ni Made Kinanti Aishvarya Gangga | 3               | 3  | 4  | 131   |
| 56. | Putu Abby Dhanuartha             | 4               | 3  | 4  | 118   |
| 57. | Putu Aby Nanda Pratama           | 5               | 5  | 1  | 108   |
| 58. | Putu Almira Praba Jayanti        | 5               | 3  | 4  | 119   |
| 59. | Putu Annika Putri Swanjaya       | 3               | 3  | 3  | 117   |
| 60. | Putu Ardi Suadnyana              | 5               | 5  | 5  | 152   |
| 61. | Putu Dea Renata                  | 3               | 4  | 1  | 103   |
| 62. | Putu Gresia Ananditha Pratiwi    | 3               | 4  | 2  | 112   |
| 63. | Putu Mahendra Hanaya Putra       | 3               | 4  | 5  | 125   |
| 64. | Putu Rachela Avenia Santosa      | 2               | 3  | 3  | 115   |
| 65. | Putu Subianta Irene Mulyani      | 5               | 4  | 4  | 125   |

## Lampiran 09

### OUTPUT IBM SPSS STATISTIC 30 UNTUK ANALISIS VALIDITAS DAN RELIABILITAS KUESIONER SIKAP ILMIAH

#### A. ANALISIS VALIDITAS BUTIR KUESIONER

|        |                     | Item 1 | Item 2      | Item 3     | Item 4      | Item 5      | Item 6     | Item 7     | Item 8     | Item 9 | Item 10 | Item 11    | Item 12    | Item 13    | Item 14     | Item 15    |
|--------|---------------------|--------|-------------|------------|-------------|-------------|------------|------------|------------|--------|---------|------------|------------|------------|-------------|------------|
| Item 1 | Pearson Correlation | 1      | ,620**      | ,258*      | -,290*      | ,399**      | ,402**     | 0,183      | 0,051      | 0,185  | ,313*   | ,318**     | -<br>0,095 | 0,239      | ,382**      | -<br>0,100 |
|        | Sig. (2-tailed)     |        | 0,000       | 0,038      | 0,019       | 0,001       | 0,001      | 0,144      | 0,685      | 0,141  | 0,011   | 0,010      | 0,452      | 0,055      | 0,002       | 0,430      |
|        | N                   | 65     | 65          | 65         | 65          | 65          | 65         | 65         | 65         | 65     | 65      | 65         | 65         | 65         | 65          | 65         |
| Item 2 | Pearson Correlation | ,620** | 1           | ,354**     | -<br>,563** | ,653**      | ,423**     | ,362**     | ,271*      | ,332** | ,469**  | ,394**     | -<br>0,064 | ,386**     | ,578**      | 0,183      |
|        | Sig. (2-tailed)     | 0,000  |             | 0,004      | 0,000       | 0,000       | 0,000      | 0,003      | 0,029      | 0,007  | 0,000   | 0,001      | 0,613      | 0,001      | 0,000       | 0,144      |
|        | N                   | 65     | 65          | 65         | 65          | 65          | 65         | 65         | 65         | 65     | 65      | 65         | 65         | 65         | 65          | 65         |
| Item 3 | Pearson Correlation | ,258*  | ,354**      | 1          | -<br>0,100  | ,416**      | ,440**     | ,538**     | ,429**     | ,265*  | ,301*   | ,631**     | 0,094      | 0,172      | 0,106       | ,244*      |
|        | Sig. (2-tailed)     | 0,038  | 0,004       |            | 0,427       | 0,001       | 0,000      | 0,000      | 0,000      | 0,033  | 0,015   | 0,000      | 0,457      | 0,171      | 0,400       | 0,050      |
|        | N                   | 65     | 65          | 65         | 65          | 65          | 65         | 65         | 65         | 65     | 65      | 65         | 65         | 65         | 65          | 65         |
| Item 4 | Pearson Correlation | -,290* | -<br>,563** | -<br>0,100 | 1           | -<br>,518** | -<br>0,120 | -<br>0,168 | -<br>0,157 | -,300* | -,245*  | -<br>0,180 | 0,092      | -<br>0,140 | -<br>,405** | -<br>0,202 |

|        |                     | Item 1 | Item 2 | Item 3 | Item 4  | Item 5 | Item 6 | Item 7 | Item 8 | Item 9 | Item 10 | Item 11 | Item 12 | Item 13 | Item 14 | Item 15 |
|--------|---------------------|--------|--------|--------|---------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|
|        | Sig. (2-tailed)     | 0,019  | 0,000  | 0,427  |         | 0,000  | 0,343  | 0,181  | 0,211  | 0,015  | 0,049   | 0,151   | 0,467   | 0,265   | 0,001   | 0,106   |
|        | N                   | 65     | 65     | 65     | 65      | 65     | 65     | 65     | 65     | 65     | 65      | 65      | 65      | 65      | 65      | 65      |
| Item 5 | Pearson Correlation | ,399** | ,653** | ,416** | -,518** | 1      | 0,242  | ,390** | 0,147  | ,441** | ,465**  | ,315*   | -,0183  | ,374**  | ,416**  | 0,070   |
|        | Sig. (2-tailed)     | 0,001  | 0,000  | 0,001  | 0,000   |        | 0,052  | 0,001  | 0,241  | 0,000  | 0,000   | 0,011   | 0,144   | 0,002   | 0,001   | 0,578   |
|        | N                   | 65     | 65     | 65     | 65      | 65     | 65     | 65     | 65     | 65     | 65      | 65      | 65      | 65      | 65      | 65      |
| Item 6 | Pearson Correlation | ,402** | ,423** | ,440** | -,0120  | 0,242  | 1      | ,408** | ,265*  | ,261*  | ,400**  | ,328**  | 0,001   | ,281*   | ,453**  | 0,187   |
|        | Sig. (2-tailed)     | 0,001  | 0,000  | 0,000  | 0,343   | 0,052  |        | 0,001  | 0,033  | 0,036  | 0,001   | 0,008   | 0,992   | 0,023   | 0,000   | 0,136   |
|        | N                   | 65     | 65     | 65     | 65      | 65     | 65     | 65     | 65     | 65     | 65      | 65      | 65      | 65      | 65      | 65      |
| Item 7 | Pearson Correlation | 0,183  | ,362** | ,538** | -,0168  | ,390** | ,408** | 1      | ,273*  | ,280*  | ,336**  | ,481**  | 0,087   | ,342**  | ,326**  | ,411**  |
|        | Sig. (2-tailed)     | 0,144  | 0,003  | 0,000  | 0,181   | 0,001  | 0,001  |        | 0,028  | 0,024  | 0,006   | 0,000   | 0,490   | 0,005   | 0,008   | 0,001   |
|        | N                   | 65     | 65     | 65     | 65      | 65     | 65     | 65     | 65     | 65     | 65      | 65      | 65      | 65      | 65      | 65      |
| Item 8 | Pearson Correlation | 0,051  | ,271*  | ,429** | -,0157  | 0,147  | ,265*  | ,273*  | 1      | ,308*  | 0,151   | 0,225   | 0,136   | 0,152   | 0,064   | ,472**  |
|        | Sig. (2-tailed)     | 0,685  | 0,029  | 0,000  | 0,211   | 0,241  | 0,033  | 0,028  |        | 0,012  | 0,230   | 0,071   | 0,280   | 0,228   | 0,613   | 0,000   |
|        | N                   | 65     | 65     | 65     | 65      | 65     | 65     | 65     | 65     | 65     | 65      | 65      | 65      | 65      | 65      | 65      |
| Item 9 | Pearson Correlation | 0,185  | ,332** | ,265*  | -,300*  | ,441** | ,261*  | ,280*  | ,308*  | 1      | ,320**  | 0,146   | -,0112  | 0,223   | 0,131   | 0,115   |
|        | Sig. (2-tailed)     | 0,141  | 0,007  | 0,033  | 0,015   | 0,000  | 0,036  | 0,024  | 0,012  |        | 0,009   | 0,247   | 0,376   | 0,074   | 0,300   | 0,362   |

|         |                     | Item 1 | Item 2 | Item 3 | Item 4   | Item 5 | Item 6 | Item 7 | Item 8 | Item 9 | Item 10 | Item 11 | Item 12 | Item 13 | Item 14 | Item 15 |
|---------|---------------------|--------|--------|--------|----------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|
|         | N                   | 65     | 65     | 65     | 65       | 65     | 65     | 65     | 65     | 65     | 65      | 65      | 65      | 65      | 65      | 65      |
| Item 10 | Pearson Correlation | ,313*  | ,469** | ,301*  | -,245*   | ,465** | ,400** | ,336** | 0,151  | ,320** | 1       | ,338**  | -,0028  | ,302*   | ,375**  | ,277*   |
|         | Sig. (2-tailed)     | 0,011  | 0,000  | 0,015  | 0,049    | 0,000  | 0,001  | 0,006  | 0,230  | 0,009  |         | 0,006   | 0,822   | 0,014   | 0,002   | 0,025   |
|         | N                   | 65     | 65     | 65     | 65       | 65     | 65     | 65     | 65     | 65     | 65      | 65      | 65      | 65      | 65      | 65      |
| Item 11 | Pearson Correlation | ,318** | ,394** | ,631** | -,0180   | ,315*  | ,328** | ,481** | 0,225  | 0,146  | ,338**  | 1       | -,0034  | 0,026   | 0,238   | ,295*   |
|         | Sig. (2-tailed)     | 0,010  | 0,001  | 0,000  | 0,151    | 0,011  | 0,008  | 0,000  | 0,071  | 0,247  | 0,006   |         | 0,790   | 0,836   | 0,056   | 0,017   |
|         | N                   | 65     | 65     | 65     | 65       | 65     | 65     | 65     | 65     | 65     | 65      | 65      | 65      | 65      | 65      | 65      |
| Item 12 | Pearson Correlation | -,0095 | -,0064 | 0,094  | 0,092    | -,0183 | 0,001  | 0,087  | 0,136  | -,0112 | -,0028  | -,0034  | 1       | -,0166  | -,0155  | 0,243   |
|         | Sig. (2-tailed)     | 0,452  | 0,613  | 0,457  | 0,467    | 0,144  | 0,992  | 0,490  | 0,280  | 0,376  | 0,822   | 0,790   |         | 0,186   | 0,218   | 0,051   |
|         | N                   | 65     | 65     | 65     | 65       | 65     | 65     | 65     | 65     | 65     | 65      | 65      | 65      | 65      | 65      | 65      |
| Item 13 | Pearson Correlation | 0,239  | ,386** | 0,172  | -,0140   | ,374** | ,281*  | ,342** | 0,152  | 0,223  | ,302*   | 0,026   | -,0166  | 1       | ,459**  | 0,017   |
|         | Sig. (2-tailed)     | 0,055  | 0,001  | 0,171  | 0,265    | 0,002  | 0,023  | 0,005  | 0,228  | 0,074  | 0,014   | 0,836   | 0,186   |         | 0,000   | 0,893   |
|         | N                   | 65     | 65     | 65     | 65       | 65     | 65     | 65     | 65     | 65     | 65      | 65      | 65      | 65      | 65      | 65      |
| Item 14 | Pearson Correlation | ,382** | ,578** | 0,106  | -,0405** | ,416** | ,453** | ,326** | 0,064  | 0,131  | ,375**  | 0,238   | -,0155  | ,459**  | 1       | 0,234   |
|         | Sig. (2-tailed)     | 0,002  | 0,000  | 0,400  | 0,001    | 0,001  | 0,000  | 0,008  | 0,613  | 0,300  | 0,002   | 0,056   | 0,218   | 0,000   |         | 0,061   |
|         | N                   | 65     | 65     | 65     | 65       | 65     | 65     | 65     | 65     | 65     | 65      | 65      | 65      | 65      | 65      | 65      |

|            |                        | Item<br>1  | Item<br>2 | Item<br>3 | Item<br>4   | Item<br>5 | Item<br>6 | Item<br>7 | Item<br>8 | Item<br>9 | Item<br>10 | Item<br>11 | Item<br>12 | Item<br>13 | Item<br>14 | Item<br>15 |
|------------|------------------------|------------|-----------|-----------|-------------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|
| Item<br>15 | Pearson<br>Correlation | -<br>0,100 | 0,183     | ,244*     | -<br>0,202  | 0,070     | 0,187     | ,411**    | ,472**    | 0,115     | ,277*      | ,295*      | 0,243      | 0,017      | 0,234      | 1          |
|            | Sig. (2-<br>tailed)    | 0,430      | 0,144     | 0,050     | 0,106       | 0,578     | 0,136     | 0,001     | 0,000     | 0,362     | 0,025      | 0,017      | 0,051      | 0,893      | 0,061      |            |
|            | N                      | 65         | 65        | 65        | 65          | 65        | 65        | 65        | 65        | 65        | 65         | 65         | 65         | 65         | 65         | 65         |
| Item<br>16 | Pearson<br>Correlation | 0,041      | 0,242     | ,375**    | -<br>0,108  | 0,024     | 0,212     | ,322**    | ,281*     | 0,020     | 0,063      | ,439**     | 0,232      | 0,050      | ,316*      | ,374**     |
|            | Sig. (2-<br>tailed)    | 0,747      | 0,052     | 0,002     | 0,390       | 0,851     | 0,090     | 0,009     | 0,023     | 0,874     | 0,618      | 0,000      | 0,062      | 0,693      | 0,010      | 0,002      |
|            | N                      | 65         | 65        | 65        | 65          | 65        | 65        | 65        | 65        | 65        | 65         | 65         | 65         | 65         | 65         | 65         |
| Item<br>17 | Pearson<br>Correlation | ,457**     | ,405**    | 0,220     | -,251*      | ,370**    | 0,139     | ,305*     | 0,187     | ,331**    | ,267*      | 0,170      | 0,066      | ,523**     | ,332**     | 0,003      |
|            | Sig. (2-<br>tailed)    | 0,000      | 0,001     | 0,078     | 0,044       | 0,002     | 0,269     | 0,014     | 0,135     | 0,007     | 0,032      | 0,177      | 0,601      | 0,000      | 0,007      | 0,979      |
|            | N                      | 65         | 65        | 65        | 65          | 65        | 65        | 65        | 65        | 65        | 65         | 65         | 65         | 65         | 65         | 65         |
| Item<br>18 | Pearson<br>Correlation | ,466**     | ,691**    | 0,139     | -<br>,567** | ,407**    | 0,167     | ,280*     | 0,202     | ,304*     | ,270*      | ,281*      | -<br>0,047 | ,294*      | ,506**     | 0,194      |
|            | Sig. (2-<br>tailed)    | 0,000      | 0,000     | 0,268     | 0,000       | 0,001     | 0,185     | 0,024     | 0,106     | 0,014     | 0,030      | 0,023      | 0,710      | 0,017      | 0,000      | 0,122      |
|            | N                      | 65         | 65        | 65        | 65          | 65        | 65        | 65        | 65        | 65        | 65         | 65         | 65         | 65         | 65         | 65         |
| Item<br>19 | Pearson<br>Correlation | ,264*      | ,440**    | ,525**    | -<br>,342** | 0,244     | ,381**    | ,346**    | ,444**    | 0,191     | ,302*      | ,620**     | -<br>0,041 | 0,009      | 0,199      | ,420**     |
|            | Sig. (2-<br>tailed)    | 0,034      | 0,000     | 0,000     | 0,005       | 0,050     | 0,002     | 0,005     | 0,000     | 0,127     | 0,014      | 0,000      | 0,744      | 0,945      | 0,111      | 0,000      |
|            | N                      | 65         | 65        | 65        | 65          | 65        | 65        | 65        | 65        | 65        | 65         | 65         | 65         | 65         | 65         | 65         |
| Item<br>20 | Pearson<br>Correlation | 0,041      | 0,118     | ,382**    | -<br>0,173  | 0,075     | 0,126     | ,342**    | ,584**    | 0,208     | 0,176      | ,461**     | 0,235      | -<br>0,018 | -<br>0,003 | ,485**     |



|         |                     | Item 1     | Item 2 | Item 3 | Item 4     | Item 5     | Item 6     | Item 7 | Item 8 | Item 9     | Item 10 | Item 11 | Item 12    | Item 13    | Item 14    | Item 15    |
|---------|---------------------|------------|--------|--------|------------|------------|------------|--------|--------|------------|---------|---------|------------|------------|------------|------------|
|         | Sig. (2-tailed)     | 0,744      | 0,349  | 0,002  | 0,169      | 0,553      | 0,319      | 0,005  | 0,000  | 0,097      | 0,160   | 0,000   | 0,060      | 0,884      | 0,983      | 0,000      |
|         | N                   | 65         | 65     | 65     | 65         | 65         | 65         | 65     | 65     | 65         | 65      | 65      | 65         | 65         | 65         | 65         |
| Item 21 | Pearson Correlation | 0,161      | ,264*  | 0,216  | -<br>0,199 | ,343**     | 0,050      | 0,016  | 0,194  | 0,004      | ,291*   | 0,100   | -<br>0,179 | ,410**     | 0,176      | 0,033      |
|         | Sig. (2-tailed)     | 0,199      | 0,034  | 0,083  | 0,112      | 0,005      | 0,691      | 0,897  | 0,122  | 0,974      | 0,019   | 0,430   | 0,153      | 0,001      | 0,161      | 0,793      |
|         | N                   | 65         | 65     | 65     | 65         | 65         | 65         | 65     | 65     | 65         | 65      | 65      | 65         | 65         | 65         | 65         |
| Item 22 | Pearson Correlation | ,288*      | ,442** | 0,226  | -,267*     | ,421**     | 0,166      | 0,213  | 0,137  | 0,143      | ,308*   | 0,190   | -<br>0,151 | ,295*      | ,251*      | 0,073      |
|         | Sig. (2-tailed)     | 0,020      | 0,000  | 0,070  | 0,031      | 0,000      | 0,186      | 0,089  | 0,275  | 0,257      | 0,013   | 0,129   | 0,230      | 0,017      | 0,043      | 0,563      |
|         | N                   | 65         | 65     | 65     | 65         | 65         | 65         | 65     | 65     | 65         | 65      | 65      | 65         | 65         | 65         | 65         |
| Item 23 | Pearson Correlation | -<br>0,081 | 0,103  | 0,023  | -,314*     | 0,146      | -<br>0,145 | 0,100  | 0,206  | 0,133      | 0,022   | 0,102   | -<br>0,089 | 0,143      | -<br>0,045 | 0,169      |
|         | Sig. (2-tailed)     | 0,523      | 0,416  | 0,858  | 0,011      | 0,246      | 0,249      | 0,430  | 0,100  | 0,291      | 0,859   | 0,419   | 0,483      | 0,255      | 0,720      | 0,179      |
|         | N                   | 65         | 65     | 65     | 65         | 65         | 65         | 65     | 65     | 65         | 65      | 65      | 65         | 65         | 65         | 65         |
| Item 24 | Pearson Correlation | -<br>0,047 | 0,071  | ,387** | 0,055      | -<br>0,004 | -<br>0,092 | 0,026  | ,250*  | -<br>0,093 | 0,026   | ,250*   | 0,058      | -<br>0,018 | -<br>0,183 | -<br>0,006 |
|         | Sig. (2-tailed)     | 0,713      | 0,573  | 0,001  | 0,662      | 0,977      | 0,468      | 0,839  | 0,045  | 0,462      | 0,837   | 0,045   | 0,647      | 0,890      | 0,145      | 0,965      |
|         | N                   | 65         | 65     | 65     | 65         | 65         | 65         | 65     | 65     | 65         | 65      | 65      | 65         | 65         | 65         | 65         |
| Item 25 | Pearson Correlation | 0,090      | 0,180  | 0,060  | -<br>0,096 | 0,154      | 0,131      | 0,035  | 0,078  | 0,098      | ,323**  | 0,231   | -<br>0,096 | -<br>0,164 | 0,018      | 0,098      |
|         | Sig. (2-tailed)     | 0,474      | 0,151  | 0,633  | 0,447      | 0,221      | 0,297      | 0,781  | 0,536  | 0,438      | 0,009   | 0,064   | 0,448      | 0,191      | 0,884      | 0,437      |

|         |                     | Item 1     | Item 2 | Item 3 | Item 4     | Item 5 | Item 6 | Item 7 | Item 8     | Item 9     | Item 10 | Item 11    | Item 12    | Item 13    | Item 14 | Item 15    |
|---------|---------------------|------------|--------|--------|------------|--------|--------|--------|------------|------------|---------|------------|------------|------------|---------|------------|
|         | N                   | 65         | 65     | 65     | 65         | 65     | 65     | 65     | 65         | 65         | 65      | 65         | 65         | 65         | 65      | 65         |
| Item 26 | Pearson Correlation | -<br>0,171 | 0,063  | 0,097  | -<br>0,060 | 0,180  | 0,141  | 0,174  | 0,130      | 0,172      | 0,070   | -<br>0,025 | -<br>0,101 | -<br>0,021 | 0,158   | 0,240      |
|         | Sig. (2-tailed)     | 0,173      | 0,618  | 0,443  | 0,638      | 0,152  | 0,263  | 0,166  | 0,300      | 0,170      | 0,580   | 0,843      | 0,424      | 0,869      | 0,208   | 0,055      |
|         | N                   | 65         | 65     | 65     | 65         | 65     | 65     | 65     | 65         | 65         | 65      | 65         | 65         | 65         | 65      | 65         |
| Item 27 | Pearson Correlation | 0,003      | ,268*  | 0,231  | -<br>0,175 | 0,106  | 0,069  | 0,169  | 0,195      | -<br>0,081 | 0,220   | ,526**     | 0,013      | -,263*     | 0,024   | 0,235      |
|         | Sig. (2-tailed)     | 0,978      | 0,031  | 0,064  | 0,163      | 0,403  | 0,586  | 0,180  | 0,119      | 0,522      | 0,078   | 0,000      | 0,919      | 0,034      | 0,850   | 0,059      |
|         | N                   | 65         | 65     | 65     | 65         | 65     | 65     | 65     | 65         | 65         | 65      | 65         | 65         | 65         | 65      | 65         |
| Item 28 | Pearson Correlation | -<br>0,016 | 0,234  | ,345** | -<br>0,123 | 0,173  | 0,091  | 0,121  | 0,207      | -<br>0,039 | 0,118   | ,374**     | 0,115      | -<br>0,137 | 0,003   | 0,135      |
|         | Sig. (2-tailed)     | 0,901      | 0,061  | 0,005  | 0,328      | 0,168  | 0,471  | 0,336  | 0,097      | 0,759      | 0,347   | 0,002      | 0,362      | 0,277      | 0,980   | 0,285      |
|         | N                   | 65         | 65     | 65     | 65         | 65     | 65     | 65     | 65         | 65         | 65      | 65         | 65         | 65         | 65      | 65         |
| Item 29 | Pearson Correlation | 0,212      | ,401** | ,253*  | -<br>0,208 | ,434** | ,274*  | ,316*  | 0,083      | ,258*      | ,338**  | 0,177      | -<br>0,162 | 0,153      | ,295*   | 0,132      |
|         | Sig. (2-tailed)     | 0,091      | 0,001  | 0,042  | 0,097      | 0,000  | 0,027  | 0,010  | 0,509      | 0,038      | 0,006   | 0,157      | 0,197      | 0,222      | 0,017   | 0,294      |
|         | N                   | 65         | 65     | 65     | 65         | 65     | 65     | 65     | 65         | 65         | 65      | 65         | 65         | 65         | 65      | 65         |
| Item 30 | Pearson Correlation | ,416**     | ,418** | 0,196  | -,280*     | ,358** | 0,166  | 0,164  | -<br>0,026 | 0,166      | ,258*   | 0,210      | 0,020      | ,293*      | 0,204   | -<br>0,018 |
|         | Sig. (2-tailed)     | 0,001      | 0,001  | 0,117  | 0,024      | 0,003  | 0,187  | 0,190  | 0,834      | 0,187      | 0,038   | 0,093      | 0,873      | 0,018      | 0,103   | 0,889      |
|         | N                   | 65         | 65     | 65     | 65         | 65     | 65     | 65     | 65         | 65         | 65      | 65         | 65         | 65         | 65      | 65         |

|         |                     | Item 1     | Item 2 | Item 3 | Item 4      | Item 5 | Item 6 | Item 7 | Item 8 | Item 9 | Item 10 | Item 11    | Item 12    | Item 13    | Item 14    | Item 15    |
|---------|---------------------|------------|--------|--------|-------------|--------|--------|--------|--------|--------|---------|------------|------------|------------|------------|------------|
| Item 31 | Pearson Correlation | 0,001      | 0,184  | ,463** | -<br>0,144  | ,248*  | ,268*  | ,416** | ,280*  | 0,147  | ,296*   | ,588**     | -<br>0,091 | 0,076      | 0,087      | ,334**     |
|         | Sig. (2-tailed)     | 0,993      | 0,142  | 0,000  | 0,252       | 0,046  | 0,031  | 0,001  | 0,024  | 0,242  | 0,016   | 0,000      | 0,473      | 0,547      | 0,493      | 0,007      |
|         | N                   | 65         | 65     | 65     | 65          | 65     | 65     | 65     | 65     | 65     | 65      | 65         | 65         | 65         | 65         | 65         |
| Item 32 | Pearson Correlation | 0,234      | ,511** | ,386** | -<br>0,230  | ,434** | 0,113  | 0,236  | 0,231  | 0,133  | ,316*   | ,460**     | -<br>0,030 | 0,020      | 0,091      | 0,162      |
|         | Sig. (2-tailed)     | 0,060      | 0,000  | 0,002  | 0,065       | 0,000  | 0,372  | 0,058  | 0,064  | 0,292  | 0,010   | 0,000      | 0,813      | 0,874      | 0,470      | 0,198      |
|         | N                   | 65         | 65     | 65     | 65          | 65     | 65     | 65     | 65     | 65     | 65      | 65         | 65         | 65         | 65         | 65         |
| Item 33 | Pearson Correlation | ,380**     | ,354** | ,270*  | -<br>,335** | ,481** | 0,150  | ,354** | 0,124  | ,302*  | 0,242   | 0,156      | -<br>0,110 | ,296*      | 0,062      | -<br>0,043 |
|         | Sig. (2-tailed)     | 0,002      | 0,004  | 0,030  | 0,006       | 0,000  | 0,233  | 0,004  | 0,325  | 0,015  | 0,052   | 0,214      | 0,384      | 0,017      | 0,626      | 0,733      |
|         | N                   | 65         | 65     | 65     | 65          | 65     | 65     | 65     | 65     | 65     | 65      | 65         | 65         | 65         | 65         | 65         |
| Item 34 | Pearson Correlation | 0,222      | ,316*  | 0,202  | -<br>0,164  | ,431** | 0,067  | 0,055  | ,294*  | 0,167  | ,254*   | -<br>0,048 | -<br>0,032 | ,394**     | 0,063      | 0,047      |
|         | Sig. (2-tailed)     | 0,076      | 0,010  | 0,107  | 0,193       | 0,000  | 0,594  | 0,661  | 0,018  | 0,184  | 0,041   | 0,701      | 0,800      | 0,001      | 0,617      | 0,711      |
|         | N                   | 65         | 65     | 65     | 65          | 65     | 65     | 65     | 65     | 65     | 65      | 65         | 65         | 65         | 65         | 65         |
| Item 35 | Pearson Correlation | -<br>0,011 | 0,106  | ,293*  | -,255*      | 0,044  | 0,097  | 0,208  | ,384** | 0,050  | 0,034   | ,261*      | 0,191      | -<br>0,191 | -<br>0,021 | ,327**     |
|         | Sig. (2-tailed)     | 0,933      | 0,400  | 0,018  | 0,041       | 0,726  | 0,441  | 0,096  | 0,002  | 0,690  | 0,785   | 0,036      | 0,127      | 0,127      | 0,870      | 0,008      |
|         | N                   | 65         | 65     | 65     | 65          | 65     | 65     | 65     | 65     | 65     | 65      | 65         | 65         | 65         | 65         | 65         |
| Total   | Pearson Correlation | ,417**     | ,706** | ,690** | -<br>,417** | ,600** | ,482** | ,621** | ,556** | ,388** | ,559**  | ,671**     | 0,065      | ,352**     | ,420**     | ,467**     |

|  |                 | Item 1 | Item 2 | Item 3 | Item 4 | Item 5 | Item 6 | Item 7 | Item 8 | Item 9 | Item 10 | Item 11 | Item 12 | Item 13 | Item 14 | Item 15 |
|--|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|
|  | Sig. (2-tailed) | 0,001  | 0,000  | 0,000  | 0,001  | 0,000  | 0,000  | 0,000  | 0,000  | 0,001  | 0,000   | 0,000   | 0,605   | 0,004   | 0,000   | 0,000   |
|  | N               | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65      | 65      | 65      | 65      | 65      | 65      |

|        |                     | Item 16 | Item 17 | Item 18 | Item 19 | Item 20 | Item 21 | Item 22 | Item 23 | Item 24 | Item 25 | Item 26 | Item 27 | Item 28 | Item 29 | Item 30 |
|--------|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Item 1 | Pearson Correlation | 0,041   | ,457**  | ,466**  | ,264*   | 0,041   | 0,161   | ,288*   | -       | -       | 0,090   | -       | 0,003   | -       | 0,212   | ,416**  |
|        | Sig. (2-tailed)     | 0,747   | 0,000   | 0,000   | 0,034   | 0,744   | 0,199   | 0,020   | 0,523   | 0,713   | 0,474   | 0,173   | 0,978   | 0,901   | 0,091   | 0,001   |
|        | N                   | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      |
| Item 2 | Pearson Correlation | 0,242   | ,405**  | ,691**  | ,440**  | 0,118   | ,264*   | ,442**  | 0,103   | 0,071   | 0,180   | 0,063   | ,268*   | 0,234   | ,401**  | ,418**  |
|        | Sig. (2-tailed)     | 0,052   | 0,001   | 0,000   | 0,000   | 0,349   | 0,034   | 0,000   | 0,416   | 0,573   | 0,151   | 0,618   | 0,031   | 0,061   | 0,001   | 0,001   |
|        | N                   | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      |
| Item 3 | Pearson Correlation | ,375**  | 0,220   | 0,139   | ,525**  | ,382**  | 0,216   | 0,226   | 0,023   | ,387**  | 0,060   | 0,097   | 0,231   | ,345**  | ,253*   | 0,196   |
|        | Sig. (2-tailed)     | 0,002   | 0,078   | 0,268   | 0,000   | 0,002   | 0,083   | 0,070   | 0,858   | 0,001   | 0,633   | 0,443   | 0,064   | 0,005   | 0,042   | 0,117   |
|        | N                   | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      |
| Item 4 | Pearson Correlation | -       | -,251*  | -       | -       | -       | -       | -,267*  | -,314*  | 0,055   | -       | -       | -       | -       | -       | -,280*  |
|        | Sig. (2-tailed)     | 0,390   | 0,044   | 0,000   | 0,005   | 0,169   | 0,112   | 0,031   | 0,011   | 0,662   | 0,447   | 0,638   | 0,163   | 0,328   | 0,097   | 0,024   |
|        | N                   | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      |

|            |                        | Item<br>16 | Item<br>17 | Item<br>18 | Item<br>19 | Item<br>20 | Item<br>21 | Item<br>22 | Item<br>23 | Item<br>24 | Item<br>25 | Item<br>26 | Item<br>27 | Item<br>28 | Item<br>29 | Item<br>30 |
|------------|------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Item 5     | Pearson<br>Correlation | 0,024      | ,370**     | ,407**     | 0,244      | 0,075      | ,343**     | ,421**     | 0,146      | -<br>0,004 | 0,154      | 0,180      | 0,106      | 0,173      | ,434**     | ,358**     |
|            | Sig. (2-<br>tailed)    | 0,851      | 0,002      | 0,001      | 0,050      | 0,553      | 0,005      | 0,000      | 0,246      | 0,977      | 0,221      | 0,152      | 0,403      | 0,168      | 0,000      | 0,003      |
|            | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         |
| Item 6     | Pearson<br>Correlation | 0,212      | 0,139      | 0,167      | ,381**     | 0,126      | 0,050      | 0,166      | -<br>0,145 | -<br>0,092 | 0,131      | 0,141      | 0,069      | 0,091      | ,274*      | 0,166      |
|            | Sig. (2-<br>tailed)    | 0,090      | 0,269      | 0,185      | 0,002      | 0,319      | 0,691      | 0,186      | 0,249      | 0,468      | 0,297      | 0,263      | 0,586      | 0,471      | 0,027      | 0,187      |
|            | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         |
| Item 7     | Pearson<br>Correlation | ,322**     | ,305*      | ,280*      | ,346**     | ,342**     | 0,016      | 0,213      | 0,100      | 0,026      | 0,035      | 0,174      | 0,169      | 0,121      | ,316*      | 0,164      |
|            | Sig. (2-<br>tailed)    | 0,009      | 0,014      | 0,024      | 0,005      | 0,005      | 0,897      | 0,089      | 0,430      | 0,839      | 0,781      | 0,166      | 0,180      | 0,336      | 0,010      | 0,190      |
|            | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         |
| Item 8     | Pearson<br>Correlation | ,281*      | 0,187      | 0,202      | ,444**     | ,584**     | 0,194      | 0,137      | 0,206      | ,250*      | 0,078      | 0,130      | 0,195      | 0,207      | 0,083      | -<br>0,026 |
|            | Sig. (2-<br>tailed)    | 0,023      | 0,135      | 0,106      | 0,000      | 0,000      | 0,122      | 0,275      | 0,100      | 0,045      | 0,536      | 0,300      | 0,119      | 0,097      | 0,509      | 0,834      |
|            | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         |
| Item 9     | Pearson<br>Correlation | 0,020      | ,331**     | ,304*      | 0,191      | 0,208      | 0,004      | 0,143      | 0,133      | -<br>0,093 | 0,098      | 0,172      | -<br>0,081 | -<br>0,039 | ,258*      | 0,166      |
|            | Sig. (2-<br>tailed)    | 0,874      | 0,007      | 0,014      | 0,127      | 0,097      | 0,974      | 0,257      | 0,291      | 0,462      | 0,438      | 0,170      | 0,522      | 0,759      | 0,038      | 0,187      |
|            | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         |
| Item<br>10 | Pearson<br>Correlation | 0,063      | ,267*      | ,270*      | ,302*      | 0,176      | ,291*      | ,308*      | 0,022      | 0,026      | ,323**     | 0,070      | 0,220      | 0,118      | ,338**     | ,258*      |



|            |                        | Item<br>16 | Item<br>17 | Item<br>18 | Item<br>19 | Item<br>20 | Item<br>21 | Item<br>22 | Item<br>23 | Item<br>24 | Item<br>25 | Item<br>26 | Item<br>27 | Item<br>28 | Item<br>29 | Item<br>30 |
|------------|------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
|            | Sig. (2-tailed)        | 0,618      | 0,032      | 0,030      | 0,014      | 0,160      | 0,019      | 0,013      | 0,859      | 0,837      | 0,009      | 0,580      | 0,078      | 0,347      | 0,006      | 0,038      |
|            | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         |
| Item<br>11 | Pearson<br>Correlation | ,439**     | 0,170      | ,281*      | ,620**     | ,461**     | 0,100      | 0,190      | 0,102      | ,250*      | 0,231      | -<br>0,025 | ,526**     | ,374**     | 0,177      | 0,210      |
|            | Sig. (2-tailed)        | 0,000      | 0,177      | 0,023      | 0,000      | 0,000      | 0,430      | 0,129      | 0,419      | 0,045      | 0,064      | 0,843      | 0,000      | 0,002      | 0,157      | 0,093      |
|            | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         |
| Item<br>12 | Pearson<br>Correlation | 0,232      | 0,066      | -<br>0,047 | -<br>0,041 | 0,235      | -<br>0,179 | -<br>0,151 | -<br>0,089 | 0,058      | -<br>0,096 | -<br>0,101 | 0,013      | 0,115      | -<br>0,162 | 0,020      |
|            | Sig. (2-tailed)        | 0,062      | 0,601      | 0,710      | 0,744      | 0,060      | 0,153      | 0,230      | 0,483      | 0,647      | 0,448      | 0,424      | 0,919      | 0,362      | 0,197      | 0,873      |
|            | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         |
| Item<br>13 | Pearson<br>Correlation | 0,050      | ,523**     | ,294*      | 0,009      | -<br>0,018 | ,410**     | ,295*      | 0,143      | -<br>0,018 | -<br>0,164 | -<br>0,021 | -,263*     | -<br>0,137 | 0,153      | ,293*      |
|            | Sig. (2-tailed)        | 0,693      | 0,000      | 0,017      | 0,945      | 0,884      | 0,001      | 0,017      | 0,255      | 0,890      | 0,191      | 0,869      | 0,034      | 0,277      | 0,222      | 0,018      |
|            | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         |
| Item<br>14 | Pearson<br>Correlation | ,316*      | ,332**     | ,506**     | 0,199      | -<br>0,003 | 0,176      | ,251*      | -<br>0,045 | -<br>0,183 | 0,018      | 0,158      | 0,024      | 0,003      | ,295*      | 0,204      |
|            | Sig. (2-tailed)        | 0,010      | 0,007      | 0,000      | 0,111      | 0,983      | 0,161      | 0,043      | 0,720      | 0,145      | 0,884      | 0,208      | 0,850      | 0,980      | 0,017      | 0,103      |
|            | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         |
| Item<br>15 | Pearson<br>Correlation | ,374**     | 0,003      | 0,194      | ,420**     | ,485**     | 0,033      | 0,073      | 0,169      | -<br>0,006 | 0,098      | 0,240      | 0,235      | 0,135      | 0,132      | -<br>0,018 |
|            | Sig. (2-tailed)        | 0,002      | 0,979      | 0,122      | 0,000      | 0,000      | 0,793      | 0,563      | 0,179      | 0,965      | 0,437      | 0,055      | 0,059      | 0,285      | 0,294      | 0,889      |

|            |                        | Item<br>16  | Item<br>17  | Item<br>18 | Item<br>19 | Item<br>20 | Item<br>21  | Item<br>22  | Item<br>23 | Item<br>24  | Item<br>25  | Item<br>26  | Item<br>27  | Item<br>28  | Item<br>29 | Item<br>30  |
|------------|------------------------|-------------|-------------|------------|------------|------------|-------------|-------------|------------|-------------|-------------|-------------|-------------|-------------|------------|-------------|
|            | N                      | 65          | 65          | 65         | 65         | 65         | 65          | 65          | 65         | 65          | 65          | 65          | 65          | 65          | 65         | 65          |
| Item<br>16 | Pearson<br>Correlation | 1           | -,<br>0,053 | 0,205      | ,455**     | ,330**     | 0,033       | 0,059       | 0,137      | 0,172       | 0,127       | ,296*       | ,257*       | 0,225       | ,278*      | -,<br>0,105 |
|            | Sig. (2-<br>tailed)    |             | 0,672       | 0,101      | 0,000      | 0,007      | 0,791       | 0,641       | 0,277      | 0,170       | 0,312       | 0,017       | 0,039       | 0,072       | 0,025      | 0,403       |
|            | N                      | 65          | 65          | 65         | 65         | 65         | 65          | 65          | 65         | 65          | 65          | 65          | 65          | 65          | 65         | 65          |
| Item<br>17 | Pearson<br>Correlation | -,<br>0,053 | 1           | ,529**     | 0,045      | 0,221      | 0,200       | ,259*       | 0,100      | 0,027       | -,<br>0,069 | -,<br>0,107 | -,<br>0,089 | -,<br>0,020 | 0,196      | ,428**      |
|            | Sig. (2-<br>tailed)    | 0,672       |             | 0,000      | 0,721      | 0,077      | 0,111       | 0,037       | 0,427      | 0,832       | 0,585       | 0,396       | 0,479       | 0,873       | 0,118      | 0,000       |
|            | N                      | 65          | 65          | 65         | 65         | 65         | 65          | 65          | 65         | 65          | 65          | 65          | 65          | 65          | 65         | 65          |
| Item<br>18 | Pearson<br>Correlation | 0,205       | ,529**      | 1          | ,348**     | 0,104      | 0,019       | ,247*       | 0,116      | -,<br>0,064 | 0,124       | 0,110       | 0,196       | 0,103       | ,248*      | ,439**      |
|            | Sig. (2-<br>tailed)    | 0,101       | 0,000       |            | 0,004      | 0,410      | 0,881       | 0,047       | 0,359      | 0,611       | 0,327       | 0,385       | 0,118       | 0,415       | 0,047      | 0,000       |
|            | N                      | 65          | 65          | 65         | 65         | 65         | 65          | 65          | 65         | 65          | 65          | 65          | 65          | 65          | 65         | 65          |
| Item<br>19 | Pearson<br>Correlation | ,455**      | 0,045       | ,348**     | 1          | ,493**     | 0,162       | ,344**      | 0,165      | ,308*       | ,251*       | 0,213       | ,533**      | ,464**      | 0,150      | 0,151       |
|            | Sig. (2-<br>tailed)    | 0,000       | 0,721       | 0,004      |            | 0,000      | 0,198       | 0,005       | 0,188      | 0,013       | 0,043       | 0,088       | 0,000       | 0,000       | 0,233      | 0,229       |
|            | N                      | 65          | 65          | 65         | 65         | 65         | 65          | 65          | 65         | 65          | 65          | 65          | 65          | 65          | 65         | 65          |
| Item<br>20 | Pearson<br>Correlation | ,330**      | 0,221       | 0,104      | ,493**     | 1          | -,<br>0,007 | -,<br>0,028 | 0,153      | ,326**      | 0,029       | 0,010       | ,357**      | ,305*       | 0,060      | 0,006       |
|            | Sig. (2-<br>tailed)    | 0,007       | 0,077       | 0,410      | 0,000      |            | 0,957       | 0,825       | 0,224      | 0,008       | 0,819       | 0,935       | 0,003       | 0,014       | 0,632      | 0,961       |
|            | N                      | 65          | 65          | 65         | 65         | 65         | 65          | 65          | 65         | 65          | 65          | 65          | 65          | 65          | 65         | 65          |

|            |                        | Item<br>16 | Item<br>17 | Item<br>18 | Item<br>19 | Item<br>20 | Item<br>21 | Item<br>22 | Item<br>23 | Item<br>24 | Item<br>25 | Item<br>26 | Item<br>27 | Item<br>28 | Item<br>29 | Item<br>30 |
|------------|------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Item<br>21 | Pearson<br>Correlation | 0,033      | 0,200      | 0,019      | 0,162      | -<br>0,007 | 1          | ,396**     | ,298*      | 0,140      | 0,060      | 0,056      | 0,058      | 0,128      | 0,240      | 0,058      |
|            | Sig. (2-<br>tailed)    | 0,791      | 0,111      | 0,881      | 0,198      | 0,957      |            | 0,001      | 0,016      | 0,265      | 0,637      | 0,657      | 0,643      | 0,309      | 0,054      | 0,646      |
|            | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         |
| Item<br>22 | Pearson<br>Correlation | 0,059      | ,259*      | ,247*      | ,344**     | -<br>0,028 | ,396**     | 1          | ,275*      | -<br>0,024 | ,266*      | 0,024      | 0,213      | ,324**     | 0,223      | ,309*      |
|            | Sig. (2-<br>tailed)    | 0,641      | 0,037      | 0,047      | 0,005      | 0,825      | 0,001      |            | 0,026      | 0,848      | 0,032      | 0,847      | 0,089      | 0,008      | 0,074      | 0,012      |
|            | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         |
| Item<br>23 | Pearson<br>Correlation | 0,137      | 0,100      | 0,116      | 0,165      | 0,153      | ,298*      | ,275*      | 1          | 0,228      | 0,083      | -<br>0,063 | 0,075      | 0,098      | -<br>0,008 | 0,019      |
|            | Sig. (2-<br>tailed)    | 0,277      | 0,427      | 0,359      | 0,188      | 0,224      | 0,016      | 0,026      |            | 0,068      | 0,513      | 0,620      | 0,552      | 0,436      | 0,947      | 0,878      |
|            | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         |
| Item<br>24 | Pearson<br>Correlation | 0,172      | 0,027      | -<br>0,064 | ,308*      | ,326**     | 0,140      | -<br>0,024 | 0,228      | 1          | 0,023      | -<br>0,073 | 0,200      | ,364**     | 0,066      | 0,083      |
|            | Sig. (2-<br>tailed)    | 0,170      | 0,832      | 0,611      | 0,013      | 0,008      | 0,265      | 0,848      | 0,068      |            | 0,855      | 0,564      | 0,110      | 0,003      | 0,602      | 0,510      |
|            | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         |
| Item<br>25 | Pearson<br>Correlation | 0,127      | -<br>0,069 | 0,124      | ,251*      | 0,029      | 0,060      | ,266*      | 0,083      | 0,023      | 1          | ,260*      | ,365**     | 0,199      | 0,223      | 0,107      |
|            | Sig. (2-<br>tailed)    | 0,312      | 0,585      | 0,327      | 0,043      | 0,819      | 0,637      | 0,032      | 0,513      | 0,855      |            | 0,036      | 0,003      | 0,113      | 0,074      | 0,395      |
|            | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         |
| Item<br>26 | Pearson<br>Correlation | ,296*      | -<br>0,107 | 0,110      | 0,213      | 0,010      | 0,056      | 0,024      | -<br>0,063 | -<br>0,073 | ,260*      | 1          | 0,015      | 0,096      | ,343**     | -<br>0,044 |

|            |                        | Item<br>16 | Item<br>17 | Item<br>18 | Item<br>19 | Item<br>20 | Item<br>21 | Item<br>22 | Item<br>23 | Item<br>24 | Item<br>25 | Item<br>26 | Item<br>27 | Item<br>28 | Item<br>29 | Item<br>30 |
|------------|------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
|            | Sig. (2-<br>tailed)    | 0,017      | 0,396      | 0,385      | 0,088      | 0,935      | 0,657      | 0,847      | 0,620      | 0,564      | 0,036      |            | 0,903      | 0,449      | 0,005      | 0,727      |
|            | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         |
| Item<br>27 | Pearson<br>Correlation | ,257*      | -<br>0,089 | 0,196      | ,533**     | ,357**     | 0,058      | 0,213      | 0,075      | 0,200      | ,365**     | 0,015      | 1          | ,552**     | -<br>0,063 | -<br>0,132 |
|            | Sig. (2-<br>tailed)    | 0,039      | 0,479      | 0,118      | 0,000      | 0,003      | 0,643      | 0,089      | 0,552      | 0,110      | 0,003      | 0,903      |            | 0,000      | 0,621      | 0,293      |
|            | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         |
| Item<br>28 | Pearson<br>Correlation | 0,225      | -<br>0,020 | 0,103      | ,464**     | ,305*      | 0,128      | ,324**     | 0,098      | ,364**     | 0,199      | 0,096      | ,552**     | 1          | -<br>0,070 | 0,165      |
|            | Sig. (2-<br>tailed)    | 0,072      | 0,873      | 0,415      | 0,000      | 0,014      | 0,309      | 0,008      | 0,436      | 0,003      | 0,113      | 0,449      | 0,000      |            | 0,578      | 0,189      |
|            | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         |
| Item<br>29 | Pearson<br>Correlation | ,278*      | 0,196      | ,248*      | 0,150      | 0,060      | 0,240      | 0,223      | -<br>0,008 | 0,066      | 0,223      | ,343**     | -<br>0,063 | -<br>0,070 | 1          | ,258*      |
|            | Sig. (2-<br>tailed)    | 0,025      | 0,118      | 0,047      | 0,233      | 0,632      | 0,054      | 0,074      | 0,947      | 0,602      | 0,074      | 0,005      | 0,621      | 0,578      |            | 0,038      |
|            | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         |
| Item<br>30 | Pearson<br>Correlation | -<br>0,105 | ,428**     | ,439**     | 0,151      | 0,006      | 0,058      | ,309*      | 0,019      | 0,083      | 0,107      | -<br>0,044 | -<br>0,132 | 0,165      | ,258*      | 1          |
|            | Sig. (2-<br>tailed)    | 0,403      | 0,000      | 0,000      | 0,229      | 0,961      | 0,646      | 0,012      | 0,878      | 0,510      | 0,395      | 0,727      | 0,293      | 0,189      | 0,038      |            |
|            | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         |
| Item<br>31 | Pearson<br>Correlation | ,319**     | 0,012      | 0,150      | ,599**     | ,431**     | 0,205      | 0,176      | 0,181      | ,269*      | ,283*      | 0,193      | ,517**     | ,331**     | ,248*      | 0,159      |
|            | Sig. (2-<br>tailed)    | 0,010      | 0,925      | 0,233      | 0,000      | 0,000      | 0,102      | 0,161      | 0,148      | 0,030      | 0,022      | 0,123      | 0,000      | 0,007      | 0,046      | 0,205      |

|            |                        | Item<br>16 | Item<br>17 | Item<br>18 | Item<br>19 | Item<br>20 | Item<br>21 | Item<br>22 | Item<br>23 | Item<br>24 | Item<br>25 | Item<br>26 | Item<br>27 | Item<br>28 | Item<br>29 | Item<br>30 |
|------------|------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
|            | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         |
| Item<br>32 | Pearson<br>Correlation | ,308*      | 0,013      | 0,186      | ,472**     | ,362**     | ,321**     | ,355**     | ,256*      | ,316*      | ,326**     | -<br>0,067 | ,479**     | ,571**     | ,300*      | 0,177      |
|            | Sig. (2-<br>tailed)    | 0,013      | 0,921      | 0,137      | 0,000      | 0,003      | 0,009      | 0,004      | 0,039      | 0,010      | 0,008      | 0,596      | 0,000      | 0,000      | 0,015      | 0,159      |
|            | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         |
| Item<br>33 | Pearson<br>Correlation | -<br>0,171 | ,537**     | ,309*      | 0,013      | 0,104      | ,344**     | ,255*      | ,259*      | -<br>0,009 | 0,115      | -<br>0,121 | 0,014      | -<br>0,001 | ,331**     | ,380**     |
|            | Sig. (2-<br>tailed)    | 0,174      | 0,000      | 0,012      | 0,921      | 0,410      | 0,005      | 0,040      | 0,037      | 0,942      | 0,364      | 0,339      | 0,912      | 0,997      | 0,007      | 0,002      |
|            | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         |
| Item<br>34 | Pearson<br>Correlation | -<br>0,043 | ,389**     | 0,198      | 0,023      | 0,153      | ,535**     | 0,188      | 0,231      | 0,106      | 0,045      | 0,131      | -<br>0,125 | -<br>0,096 | 0,126      | 0,178      |
|            | Sig. (2-<br>tailed)    | 0,731      | 0,001      | 0,115      | 0,854      | 0,225      | 0,000      | 0,133      | 0,064      | 0,400      | 0,724      | 0,298      | 0,323      | 0,448      | 0,316      | 0,156      |
|            | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         |
| Item<br>35 | Pearson<br>Correlation | 0,191      | -<br>0,019 | -<br>0,005 | ,373**     | ,302*      | 0,074      | 0,213      | ,266*      | 0,217      | ,257*      | 0,141      | ,269*      | 0,147      | 0,189      | 0,005      |
|            | Sig. (2-<br>tailed)    | 0,127      | 0,879      | 0,967      | 0,002      | 0,014      | 0,558      | 0,088      | 0,032      | 0,083      | 0,039      | 0,261      | 0,030      | 0,243      | 0,131      | 0,967      |
|            | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         |
| Total      | Pearson<br>Correlation | ,469**     | ,444**     | ,513**     | ,706**     | ,542**     | ,381**     | ,481**     | ,288*      | ,307*      | ,320**     | 0,213      | ,429**     | ,440**     | ,450**     | ,380**     |
|            | Sig. (2-<br>tailed)    | 0,000      | 0,000      | 0,000      | 0,000      | 0,000      | 0,002      | 0,000      | 0,020      | 0,013      | 0,009      | 0,088      | 0,000      | 0,000      | 0,000      | 0,002      |
|            | N                      | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65         |



|         |                        | Item<br>31 | Item<br>32 | Item<br>33  | Item<br>34 | Item<br>35 | Total   |
|---------|------------------------|------------|------------|-------------|------------|------------|---------|
| Item 1  | Pearson<br>Correlation | 0,001      | 0,234      | ,380**      | 0,222      | -<br>0,011 | ,417**  |
|         | Sig. (2-tailed)        | 0,993      | 0,060      | 0,002       | 0,076      | 0,933      | 0,001   |
|         | N                      | 65         | 65         | 65          | 65         | 65         | 65      |
| Item 2  | Pearson<br>Correlation | 0,184      | ,511**     | ,354**      | ,316*      | 0,106      | ,706**  |
|         | Sig. (2-tailed)        | 0,142      | 0,000      | 0,004       | 0,010      | 0,400      | 0,000   |
|         | N                      | 65         | 65         | 65          | 65         | 65         | 65      |
| Item 3  | Pearson<br>Correlation | ,463**     | ,386**     | ,270*       | 0,202      | ,293*      | ,690**  |
|         | Sig. (2-tailed)        | 0,000      | 0,002      | 0,030       | 0,107      | 0,018      | 0,000   |
|         | N                      | 65         | 65         | 65          | 65         | 65         | 65      |
| Item 4  | Pearson<br>Correlation | -<br>0,144 | -<br>0,230 | -<br>,335** | -<br>0,164 | -,255*     | -,417** |
|         | Sig. (2-tailed)        | 0,252      | 0,065      | 0,006       | 0,193      | 0,041      | 0,001   |
|         | N                      | 65         | 65         | 65          | 65         | 65         | 65      |
| Item 5  | Pearson<br>Correlation | ,248*      | ,434**     | ,481**      | ,431**     | 0,044      | ,600**  |
|         | Sig. (2-tailed)        | 0,046      | 0,000      | 0,000       | 0,000      | 0,726      | 0,000   |
|         | N                      | 65         | 65         | 65          | 65         | 65         | 65      |
| Item 6  | Pearson<br>Correlation | ,268*      | 0,113      | 0,150       | 0,067      | 0,097      | ,482**  |
|         | Sig. (2-tailed)        | 0,031      | 0,372      | 0,233       | 0,594      | 0,441      | 0,000   |
|         | N                      | 65         | 65         | 65          | 65         | 65         | 65      |
| Item 7  | Pearson<br>Correlation | ,416**     | 0,236      | ,354**      | 0,055      | 0,208      | ,621**  |
|         | Sig. (2-tailed)        | 0,001      | 0,058      | 0,004       | 0,661      | 0,096      | 0,000   |
|         | N                      | 65         | 65         | 65          | 65         | 65         | 65      |
| Item 8  | Pearson<br>Correlation | ,280*      | 0,231      | 0,124       | ,294*      | ,384**     | ,556**  |
|         | Sig. (2-tailed)        | 0,024      | 0,064      | 0,325       | 0,018      | 0,002      | 0,000   |
|         | N                      | 65         | 65         | 65          | 65         | 65         | 65      |
| Item 9  | Pearson<br>Correlation | 0,147      | 0,133      | ,302*       | 0,167      | 0,050      | ,388**  |
|         | Sig. (2-tailed)        | 0,242      | 0,292      | 0,015       | 0,184      | 0,690      | 0,001   |
|         | N                      | 65         | 65         | 65          | 65         | 65         | 65      |
| Item 10 | Pearson<br>Correlation | ,296*      | ,316*      | 0,242       | ,254*      | 0,034      | ,559**  |
|         | Sig. (2-tailed)        | 0,016      | 0,010      | 0,052       | 0,041      | 0,785      | 0,000   |
|         | N                      | 65         | 65         | 65          | 65         | 65         | 65      |
| Item 11 | Pearson<br>Correlation | ,588**     | ,460**     | 0,156       | -<br>0,048 | ,261*      | ,671**  |
|         | Sig. (2-tailed)        | 0,000      | 0,000      | 0,214       | 0,701      | 0,036      | 0,000   |
|         | N                      | 65         | 65         | 65          | 65         | 65         | 65      |
| Item 12 | Pearson<br>Correlation | -<br>0,091 | -<br>0,030 | -<br>0,110  | -<br>0,032 | 0,191      | 0,065   |
|         | Sig. (2-tailed)        | 0,473      | 0,813      | 0,384       | 0,800      | 0,127      | 0,605   |
|         | N                      | 65         | 65         | 65          | 65         | 65         | 65      |
| Item 13 | Pearson<br>Correlation | 0,076      | 0,020      | ,296*       | ,394**     | -<br>0,191 | ,352**  |
|         | Sig. (2-tailed)        | 0,547      | 0,874      | 0,017       | 0,001      | 0,127      | 0,004   |
|         | N                      | 65         | 65         | 65          | 65         | 65         | 65      |
| Item 14 | Pearson<br>Correlation | 0,087      | 0,091      | 0,062       | 0,063      | -<br>0,021 | ,420**  |

|         |                     |        |        |        |        |        |        |
|---------|---------------------|--------|--------|--------|--------|--------|--------|
|         | Sig. (2-tailed)     | 0,493  | 0,470  | 0,626  | 0,617  | 0,870  | 0,000  |
|         | N                   | 65     | 65     | 65     | 65     | 65     | 65     |
| Item 15 | Pearson Correlation | ,334** | 0,162  | -      | 0,043  | ,327** | ,467** |
|         | Sig. (2-tailed)     | 0,007  | 0,198  | 0,733  | 0,711  | 0,008  | 0,000  |
|         | N                   | 65     | 65     | 65     | 65     | 65     | 65     |
| Item 16 | Pearson Correlation | ,319** | ,308*  | -      | 0,043  | 0,191  | ,469** |
|         | Sig. (2-tailed)     | 0,010  | 0,013  | 0,174  | 0,731  | 0,127  | 0,000  |
|         | N                   | 65     | 65     | 65     | 65     | 65     | 65     |
| Item 17 | Pearson Correlation | 0,012  | 0,013  | ,537** | ,389** | -      | ,444** |
|         | Sig. (2-tailed)     | 0,925  | 0,921  | 0,000  | 0,001  | 0,879  | 0,000  |
|         | N                   | 65     | 65     | 65     | 65     | 65     | 65     |
| Item 18 | Pearson Correlation | 0,150  | 0,186  | ,309*  | 0,198  | -      | ,513** |
|         | Sig. (2-tailed)     | 0,233  | 0,137  | 0,012  | 0,115  | 0,967  | 0,000  |
|         | N                   | 65     | 65     | 65     | 65     | 65     | 65     |
| Item 19 | Pearson Correlation | ,599** | ,472** | 0,013  | 0,023  | ,373** | ,706** |
|         | Sig. (2-tailed)     | 0,000  | 0,000  | 0,921  | 0,854  | 0,002  | 0,000  |
|         | N                   | 65     | 65     | 65     | 65     | 65     | 65     |
| Item 20 | Pearson Correlation | ,431** | ,362** | 0,104  | 0,153  | ,302*  | ,542** |
|         | Sig. (2-tailed)     | 0,000  | 0,003  | 0,410  | 0,225  | 0,014  | 0,000  |
|         | N                   | 65     | 65     | 65     | 65     | 65     | 65     |
| Item 21 | Pearson Correlation | 0,205  | ,321** | ,344** | ,535** | 0,074  | ,381** |
|         | Sig. (2-tailed)     | 0,102  | 0,009  | 0,005  | 0,000  | 0,558  | 0,002  |
|         | N                   | 65     | 65     | 65     | 65     | 65     | 65     |
| Item 22 | Pearson Correlation | 0,176  | ,355** | ,255*  | 0,188  | 0,213  | ,481** |
|         | Sig. (2-tailed)     | 0,161  | 0,004  | 0,040  | 0,133  | 0,088  | 0,000  |
|         | N                   | 65     | 65     | 65     | 65     | 65     | 65     |
| Item 23 | Pearson Correlation | 0,181  | ,256*  | ,259*  | 0,231  | ,266*  | ,288*  |
|         | Sig. (2-tailed)     | 0,148  | 0,039  | 0,037  | 0,064  | 0,032  | 0,020  |
|         | N                   | 65     | 65     | 65     | 65     | 65     | 65     |
| Item 24 | Pearson Correlation | ,269*  | ,316*  | -      | 0,106  | 0,217  | ,307*  |
|         | Sig. (2-tailed)     | 0,030  | 0,010  | 0,942  | 0,400  | 0,083  | 0,013  |
|         | N                   | 65     | 65     | 65     | 65     | 65     | 65     |
| Item 25 | Pearson Correlation | ,283*  | ,326** | 0,115  | 0,045  | ,257*  | ,320** |
|         | Sig. (2-tailed)     | 0,022  | 0,008  | 0,364  | 0,724  | 0,039  | 0,009  |
|         | N                   | 65     | 65     | 65     | 65     | 65     | 65     |
| Item 26 | Pearson Correlation | 0,193  | -      | -      | 0,131  | 0,141  | 0,213  |
|         | Sig. (2-tailed)     | 0,123  | 0,596  | 0,339  | 0,298  | 0,261  | 0,088  |
|         | N                   | 65     | 65     | 65     | 65     | 65     | 65     |
| Item 27 | Pearson Correlation | ,517** | ,479** | 0,014  | -      | ,269*  | ,429** |
|         | Sig. (2-tailed)     | 0,000  | 0,000  | 0,912  | 0,323  | 0,030  | 0,000  |
|         | N                   | 65     | 65     | 65     | 65     | 65     | 65     |
| Item 28 | Pearson Correlation | ,331** | ,571** | -      | -      | 0,147  | ,440** |

|         |                     |        |        |        |        |        |        |
|---------|---------------------|--------|--------|--------|--------|--------|--------|
|         | Sig. (2-tailed)     | 0,007  | 0,000  | 0,997  | 0,448  | 0,243  | 0,000  |
|         | N                   | 65     | 65     | 65     | 65     | 65     | 65     |
| Item 29 | Pearson Correlation | ,248*  | ,300*  | ,331** | 0,126  | 0,189  | ,450** |
|         | Sig. (2-tailed)     | 0,046  | 0,015  | 0,007  | 0,316  | 0,131  | 0,000  |
|         | N                   | 65     | 65     | 65     | 65     | 65     | 65     |
| Item 30 | Pearson Correlation | 0,159  | 0,177  | ,380** | 0,178  | 0,005  | ,380** |
|         | Sig. (2-tailed)     | 0,205  | 0,159  | 0,002  | 0,156  | 0,967  | 0,002  |
|         | N                   | 65     | 65     | 65     | 65     | 65     | 65     |
| Item 31 | Pearson Correlation | 1      | ,450** | 0,177  | 0,029  | ,277*  | ,616** |
|         | Sig. (2-tailed)     |        | 0,000  | 0,159  | 0,816  | 0,025  | 0,000  |
|         | N                   | 65     | 65     | 65     | 65     | 65     | 65     |
| Item 32 | Pearson Correlation | ,450** | 1      | 0,218  | 0,212  | 0,172  | ,623** |
|         | Sig. (2-tailed)     | 0,000  |        | 0,081  | 0,090  | 0,170  | 0,000  |
|         | N                   | 65     | 65     | 65     | 65     | 65     | 65     |
| Item 33 | Pearson Correlation | 0,177  | 0,218  | 1      | ,395** | 0,176  | ,435** |
|         | Sig. (2-tailed)     | 0,159  | 0,081  |        | 0,001  | 0,162  | 0,000  |
|         | N                   | 65     | 65     | 65     | 65     | 65     | 65     |
| Item 34 | Pearson Correlation | 0,029  | 0,212  | ,395** | 1      | -      | ,357** |
|         | Sig. (2-tailed)     | 0,816  | 0,090  | 0,001  |        | 0,699  | 0,003  |
|         | N                   | 65     | 65     | 65     | 65     | 65     | 65     |
| Item 35 | Pearson Correlation | ,277*  | 0,172  | 0,176  | -      | 1      | ,398** |
|         | Sig. (2-tailed)     | 0,025  | 0,170  | 0,162  | 0,699  |        | 0,001  |
|         | N                   | 65     | 65     | 65     | 65     | 65     | 65     |
| Total   | Pearson Correlation | ,616** | ,623** | ,435** | ,357** | ,398** | 1      |
|         | Sig. (2-tailed)     | 0,000  | 0,000  | 0,000  | 0,003  | 0,001  |        |
|         | N                   | 65     | 65     | 65     | 65     | 65     | 65     |

## B. ANALISIS RELIABILITAS ANGKET

| Case Processing Summary |                       |    |       |
|-------------------------|-----------------------|----|-------|
|                         |                       | N  | %     |
| Cases                   | Valid                 | 65 | 100,0 |
|                         | Excluded <sup>a</sup> | 0  | .0    |
|                         | Total                 | 65 | 100,0 |

| Reliability Statistics |            |
|------------------------|------------|
| Cronbach's Alpha       | N of Items |
| ,896                   | 32         |

## Lampiran 10

## REKAPITULASI HASIL UJI COBA ANGKET SIKAP ILMIAH

## A. ANALISIS VALIDITAS BUTIR PERNYATAAN

| No  | Validitas Butir Pernyataan<br>( $r_{xy} > 0,244$ ) | Kriteria    | Keputusan       |
|-----|----------------------------------------------------|-------------|-----------------|
| 1.  | 0,417                                              | Valid       | Digunakan       |
| 2.  | 0,706                                              | Valid       | Digunakan       |
| 3.  | 0,690                                              | Valid       | Digunakan       |
| 4.  | -0,417                                             | Tidak Valid | Tidak digunakan |
| 5.  | 0,600                                              | Valid       | Digunakan       |
| 6.  | 0,482                                              | Valid       | Digunakan       |
| 7.  | 0,621                                              | Valid       | Digunakan       |
| 8.  | 0,556                                              | Valid       | Tidak digunakan |
| 9.  | 0,388                                              | Valid       | Digunakan       |
| 10. | 0,559                                              | Valid       | Digunakan       |
| 11. | 0,671                                              | Valid       | Digunakan       |
| 12. | 0,065                                              | Tidak Valid | Tidak digunakan |
| 13. | 0,352                                              | Valid       | Digunakan       |
| 14. | 0,420                                              | Valid       | Digunakan       |
| 15. | 0,467                                              | Valid       | Digunakan       |
| 16. | 0,469                                              | Valid       | Digunakan       |
| 17. | 0,444                                              | Valid       | Digunakan       |
| 18. | 0,513                                              | Valid       | Digunakan       |
| 19. | 0,706                                              | Valid       | Digunakan       |
| 20. | 0,542                                              | Valid       | Digunakan       |
| 21. | 0,381                                              | Valid       | Digunakan       |
| 22. | 0,481                                              | Valid       | Digunakan       |
| 23. | 0,288                                              | Valid       | Tidak digunakan |
| 24. | 0,307                                              | Valid       | Digunakan       |
| 25. | 0,320                                              | Valid       | Digunakan       |
| 26. | 0,213                                              | Tidak Valid | Tidak digunakan |
| 27. | 0,429                                              | Valid       | Digunakan       |
| 28. | 0,440                                              | Valid       | Digunakan       |
| 29. | 0,450                                              | Valid       | Digunakan       |
| 30. | 0,380                                              | Valid       | Digunakan       |
| 31. | 0,616                                              | Valid       | Digunakan       |
| 32. | 0,623                                              | Valid       | Digunakan       |
| 33. | 0,435                                              | Valid       | Digunakan       |
| 34. | 0,357                                              | Valid       | Digunakan       |
| 35. | 0,398                                              | Valid       | Digunakan       |

### Kriteria Validitas Butir Pernyataan

| Keterangan          | Keputusan |
|---------------------|-----------|
| $r_{xy} \geq 0,244$ | Diterima  |
| $r_{xy} \leq 0,244$ | Ditolak   |

Berdasarkan hasil analisis validitas butir pernyataan pada angket sikap ilmiah, butir angket yang diterima sejumlah 32 butir dengan butir angket yang gugur sejumlah 3 butir dan yang digunakan adalah 30 butir.

### B. Analisis Reliabilitas

Analisis reliabilitas kuesioner motivasi belajar menggunakan *IBM SPSS 30* dengan hasil yang diperoleh sebagai berikut.

| Reliability Statistics |            |
|------------------------|------------|
| Cronbach's Alpha       | N of Items |
| ,896                   | 32         |

Nilai dari *Cronbach's alpha* sebesar 0,896 menunjukkan angket yang diuji telah memiliki reliabilitas yang sangat tinggi (reliabel).



## Lampiran 11

## KISI-KISI UJI COBA TES PRESTASI BELAJAR IPA

Materi : Getaran, Gelombang, dan Cahaya

| Capaian Pembelajaran (CP)                                                | Indikator                                                                             | Dimensi     |          | No. Butir | Total |
|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------|----------|-----------|-------|
|                                                                          |                                                                                       | Pengetahuan | Kognitif |           |       |
| Memahami konsep getaran dan gelombang serta penerapannya dalam kehidupan | mendefinisikan istilah getaran dan contohnya dalam kehidupan sehari-hari              | Faktual     | C1       | 1,2,3     | 3     |
|                                                                          | menghitung frekuensi dan periode getaran                                              | Konseptual  | C3       | 4,5       | 2     |
|                                                                          | Menentukan periode, cepat rambat gelombang, dan jumlah gelombang pada suatu gelombang | Konseptual  | C3       | 6,7,8     | 3     |
|                                                                          | menganalisis hubungan antara frekuensi, panjang gelombang, dan kecepatan              | Konseptual  | C4       | 9,10      | 2     |
|                                                                          | membedakan jenis gelombang berdasarkan ciri-ciri dan mengelompokkan jenis gelombang   | Konseptual  | C4       | 11,12     | 2     |
|                                                                          | menganalisis penggunaan gelombang pada kehidupan sehari-hari                          | Konseptual  | C4       | 13,14     | 2     |
|                                                                          | mengevaluasi pengaruh perubahan kecepatan terhadap panjang gelombang                  | Konseptual  | C5       | 15        | 1     |
|                                                                          | mengklasifikasikan pernyataan yang                                                    | Konseptual  | C4       | 16        | 1     |

|                                                                         |                                                                                        |            |    |       |           |
|-------------------------------------------------------------------------|----------------------------------------------------------------------------------------|------------|----|-------|-----------|
|                                                                         | tepat pada konsep bunyi                                                                |            |    |       |           |
|                                                                         | menganalisis penggunaan frekuensi bunyi pada makhluk hidup                             | Konseptual | C4 | 17    | 1         |
| Memahami sifat-sifat cahaya dan aplikasinya dalam kehidupan sehari-hari | Siswa menentukan fenomena apa yang sesuai dengan sifat-sifat cahaya                    | Faktual    | C2 | 18,19 | 2         |
|                                                                         | Siswa menentukan konsep yang tepat ketika cahaya dibiaskan melalui dua medium          | Faktual    | C2 | 20,21 | 2         |
|                                                                         | Siswa menganalisis terjadinya fenomena pelangi sesuai dengan sifat-sifat cahaya        | Konseptual | C4 | 22    | 1         |
|                                                                         | Siswa menciptakan solusi kreatif dengan menerapkan konsep sifat cahaya                 | Konseptual | C6 | 23,24 | 2         |
|                                                                         | Siswa mampu menentukan fungsi pada bagian mata serta proses melihat                    | Faktual    | C2 | 25,26 | 2         |
|                                                                         | Siswa mengidentifikasi fungsi bagian mata dalam situasi tertentu dan menentukan solusi | Konseptual | C3 | 27,28 | 2         |
|                                                                         | Siswa menerapkan pengetahuan alat optik yang tepat dalam situasi tertentu              | Konseptual | C3 | 29    | 1         |
|                                                                         | Siswa menjelaskan fungsi lensa dalam mikroskop                                         | Faktual    | C2 | 30    | 1         |
|                                                                         | <b>Total Butir Soal</b>                                                                |            |    |       | <b>30</b> |

## Lampiran 12

### TES PRESTASI BELAJAR IPA YANG DIUJICOBAKAN

#### Materi: Getaran, Gelombang, dan Cahaya

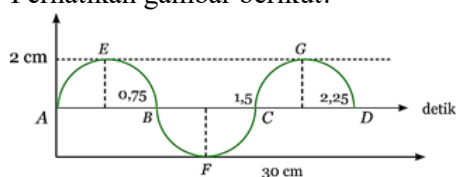
Alokasi Waktu: 40 Menit

Petunjuk Soal:

- 1) Isilah data diri terlebih dahulu pada lembar jawaban
- 2) Jumlah soal sebanyak 30 butir
- 3) Bacalah setiap butir soal dengan cermat dan teliti

#### Soal Pilihan Ganda:

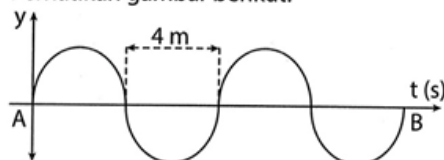
1. Apa yang dimaksud dengan getaran....
  - a. Gerakan benda yang berpindah dari satu tempat ke tempat lain secara acak
  - b. Gerakan bolak balik secara teratur melalui titik keseimbangan**
  - c. Perambatan energi melalui zat perantara tanpa perpindahan massa
  - d. Gerakan lurus beraturan dalam satu arah
2. Contoh peristiwa yang menunjukkan adanya getaran adalah....
  - a. Jarum yang bergerak maju
  - b. Kipas angin yang berputar
  - c. Bola yang jatuh ke tanah
  - d. Senar gitar yang dipetik**
3. Jika sebuah penggaris plastik ditekan di tepi meja dan dilepaskan, penggaris tersebut akan bergerak naik turun. Gerakan ini disebut....
  - a. Gelombang
  - b. Getaran**
  - c. Refleksi
  - d. Refraksi
4. Sebuah ayunan sederhana mampu bergetar 60 kali dalam kurun waktu 15 detik. Berapa jumlah frekuensi serta periode yang dihasilkan ayunan tersebut...
  - a. 4Hz, 0,5 sekon
  - b. 4 Hz, 0,25 sekon**
  - c. 3 Hz, 0,25 sekon
  - d. 3Hz, 0,5 sekon
5. Sebuah bandul pada jam dinding berayun secara teratur. Jika periode ayunannya adalah 2,5 detik. Berapakah frekuensi getaran bandul tersebut...
  - a. 0,2 Hz
  - b. 0,25 Hz
  - c. 0,4 Hz**
  - d. 2,5 Hz
6. Perhatikan gambar berikut!



Gelombang pada gambar terjadi berulang-ulang dalam waktu tertentu. Berdasarkan pola gelombang yang ada, berapa banyak gelombang yang terbentuk dalam waktu dua menit.....

- a. 40
- b. 60
- c. 80**
- d. 120

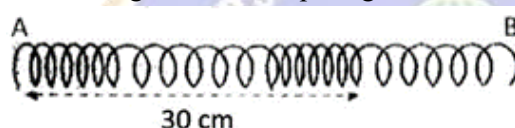
7. Perhatikan gambar berikut!



Jika waktu yang dibutuhkan untuk menempuh jarak A ke B adalah 8 sekon, berapakah periode gelombang tersebut....

- a. 2 s
- b. 4 s**
- c. 6 s
- d. 8 s

8. Gelombang merambat seperti gambar!



Jika frekuensi gelombang longitudinal yang terjadi 20 Hz. Maka Panjang gelombang dan cepat rambat gelombang secara berturut-turut adalah....

- a. 0,2 m dan 4 m/s**
- b. 0,3 m dan 8 m/s
- c. 0,2 m dan 8 m/s
- d. 0,3 m dan 4 m/s

9. Sebuah gelombang air memiliki cepat rambat 8 m/s dengan panjang gelombang 4 meter dan frekuensinya sebesar 2 Hz. Jika frekuensi gelombang meningkat menjadi 4 Hz tanpa perubahan medium, berapakah panjang gelombang yang berubah...

- a. Panjang gelombang meningkat menjadi 8 meter
- b. Panjang gelombang meningkat menjadi 6 meter
- c. Panjang gelombang tetap 4 meter
- d. Panjang gelombang berkurang menjadi 2 meter**

10. Gelombang air laut memiliki panjang gelombang 4 m dengan kecepatan gelombangnya adalah 16m/s. Siswa A menyatakan bahwa frekuensi gelombang air laut adalah 4Hz, sedangkan siswa B menyatakan bahwa frekuensi gelombang air laut adalah 8Hz. Berdasarkan analisis tersebut, pernyataan yang benar adalah....

- a. Siswa A, karena  $f = \frac{v}{\lambda} = 4 \text{ Hz}$**
- b. Siswa B, karena  $f = \frac{\lambda}{v} = 8 \text{ Hz}$
- c. Keduanya salah, karena frekuensi adalah 2 Hz
- d. Keduanya benar, karena frekuensi tergantung amplitudo

11. Seorang ilmuwan sedang mengati dua jenis gelombang:

- Gelombang X dapat merambat di ruang hampa dan di udara
- Gelombang Y hanya dapat merambat di air dan udara tetapi tidak di ruang hampa

Berdasarkan karakteristik tersebut, analisi yang tepat mengenai jenis gelombang X dan Y serta alasan yang mendukung klasifikasinya adalah...

- Gelombang X adalah mekanik karena dapat merambat di udara, sedangkan gelombang Y adalah elektromagnetik karena memerlukan medium untuk merambat
  - Gelombang X adalah elektromagnetik karena dapat merambat di ruang hampa, sedangkan gelombang Y adalah mekanik karena membutuhkan medium untuk merambat**
  - Keduanya adalah gelombang elektromagnetik karena bisa merambat di udara
  - Keduanya adalah gelombang mekanik karena dapat merambat di udara dan tidak memerlukan medium
- Seorang siswa melakukan percobaan dengan sebuah pegas. Ia menggoyangkan pegas ke depan dan belakang sejajar dengan arah rambatan. Berdasarkan cara perambatannya, jenis gelombang yang terbentuk adalah...
    - Gelombang longitudinal**
    - Gelombang transversal
    - Gelombang elektromagnetik
    - Gelombang mekanik
  - Dalam teknologi komunikasi, gelombang elektromagnetik seperti gelombang radio digunakan untuk menyiarkan siaran televisi dan radio. Berdasarkan sifatnya, gelombang radio lebih cocok digunakan dibandingkan gelombang suara karena...
    - Gelombang radio memiliki frekuensi lebih rendah daripada gelombang suara
    - Gelombang radio dapat merambat tanpa membutuhkan medium**
    - Gelombang suara dapat menjangkau jarak yang lebih jauh daripada gelombang radio
    - Gelombang radio tidak mengalami gangguan saat melewati benda padat
  - Gelombang ultrasonik digunakan untuk mendeteksi kondisi organ dalam tubuh manusia melalui USG (Ultrasonografi). Berdasarkan prinsip kerja USG, gelombang ultrasonik dapat menghasilkan gambar organ tubuh karena...
    - Gelombang ultrasonik mempengaruhi medan listrik dalam tubuh manusia
    - Gelombang ultrasonik merambat dalam tubuh dan diserap oleh organ
    - Gelombang ultrasonik dipantulkan oleh organ tubuh dan ditangkap kembali oleh alat USG**
    - Gelombang ultrasonik diubah menjadi cahaya dan direkam oleh kamera USG
  - Seorang siswa melakukan percobaan dengan gelombang air. Ia mengamati bahwa gelombang air memiliki frekuensi tetap 5 Hz dan panjang gelombang awal 2 meter. Kemudian, ia mengubah kecepatan gelombang dari 10 m/s menjadi 20 m/s sedangkan frekuensinya tetap sama. Berdasarkan percobaan tersebut, hubungan antara kecepatan dan panjang gelombang adalah..
    - Panjang gelombang tetap meskipun kecepatan bertambah



- b. Panjang gelombang berkurang ketika kecepatan bertambah
- c. Panjang gelombang bertambah jika kecepatan bertambah**
- d. Kecepatan gelombang tidak mempengaruhi panjang gelombang

16. Perhatikan pernyataan berikut ini!

- 1. Frekuensi di bawah 20 Hz
- 2. Dapat di dengar oleh manusia
- 3. Dapat didengar oleh gajah untuk berkomunikasi jarak jauh
- 4. Digunakan dalam penelitian gempa bumi dan aktivitas vulkanik

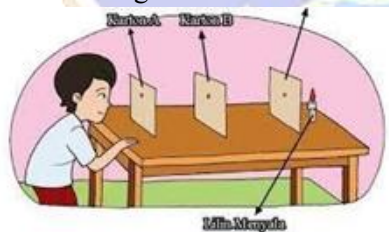
Yang menunjukkan ciri dari bunyi infrasonik ditunjukkan pada nomor....

- a. 1 dan 2
- b. 1 dan 3**
- c. 3 dan 4
- d. 2 dan 4

17. Kelelawar dapat beraktivitas dan mencari mangsa di malam hari. Meskipun kondisi gelap tanpa cahaya, kelelawar tetap mampu menemukan mangsa dan menghindari rintangan di depannya karena menggunakan bunyi dengan frekuensi tinggi yang dimilikinya. Bunyi tersebut dapat membantu kelelawar dalam berburu di malam hari karena...

- a. Bunyi ultrasonik memantulkan gelombang cahaya yang diterima mata kelelawar
- b. Gelombang ultrasonik dapat menembus benda padat seperti dinding
- c. Gelombang ultrasonik memantul kemudian langsung diserap udara sehingga tidak bergema
- d. Gelombang ultrasonik memantul ketika mengenai benda sehingga kelelawar dapat menentukan lokasi mangsa**

18. Perhatikan gambar berikut!



Andi sedang melakukan percobaan mengenai sifat-sifat cahaya. Percobaan yang dilakukan menunjukkan sifat cahaya yaitu cahaya dapat...

- a. Dipantulkan
- b. Dibiaskan
- c. Merambat lurus**
- d. Dibelokkan

19. Aldi sedang mengamati sebuah sendok yang dimasukkan ke dalam gelas berisi air. Ia melihat bahwa bagian sendok yang berada di dalam air tampak patah dan lebih besar dibandingkan bagian yang berada di udara. Kemudian, ia mencoba melihat ke dalam kolam ikan yang jernih, tetapi dasar kolam tampak lebih dangkal daripada kedalaman sebenarnya. Fenomena yang diamati aldi terjadi karena cahaya mengalami....

- a. Pemantulan sempurna
- b. Pembiasan cahaya**

- c. Dispersi cahaya
- d. Difraksi cahaya

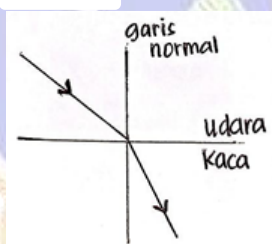
20. Perhatikan gambar berikut!



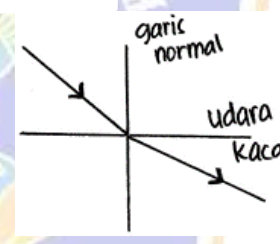
Ketika pensil dimasukkan ke dalam segelas air, bagian pensil yang terendam terlihat lebih besar dan lebih dekat ke permukaan dibandingkan ukuran sebenarnya. Hal ini terjadi karena...

- a. Cahaya dibiaskan menjauhi garis normal saat berpindah dari medium air ke udara
  - b. Cahaya merambat lurus sehingga tidak ada perubahan tampilan
  - c. Cahaya yang berasal dari pensil di dalam air mengalami perubahan arah karena indeks bias air lebih kecil daripada indeks bias udara.
  - d. Cahaya yang berasal dari pensil di dalam air dibiaskan mendekati garis normal saat berpindah dari air ke udara, sehingga benda tampak lebih besar.
21. Arah rambat cahaya pada pembiasan dari udara ke kaca berikut yang benar adalah....

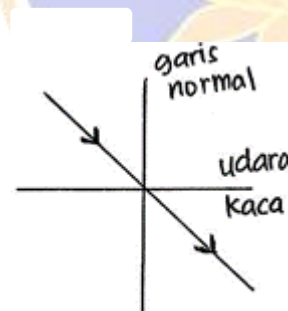
a.



b.



c.



d.



22. Setelah hujan reda, rina melihat pelangi terbentuk di langit. Ia penasaran bagaimana cahaya matahari bisa menghasilkan warna-warni tersebut. Untuk memahami fenomena ini, ia melakukan percobaan dengan melewatkan cahaya putih melalui sebuah prisma dan melihat bahwa cahaya tersebut menghasilkan berbagai warna. Berdasarkan hasil pengamatannya, dapat disimpulkan bahwa fenomena pelangi terjadi karena cahaya mengalami...

- a. Pemantulan sempurna, yaitu cahaya matahari yang mengenai tetesan air hujan dipantulkan kembali seluruhnya dan menghasilkan perubahan warna

- b. **Dispersi dan pembiasan, yaitu cahaya matahari dibiaskan saat masuk ke dalam tetesan air hujan kemudian terurai menjadi warna-warna spektrum yang berbeda**
  - c. Difraksi cahaya, yaitu cahaya matahari menyebar ketika melewati celah kecil di antara awan sehingga membentuk pola warna-warna spektrum yang berbeda
  - d. Interferensi cahaya, yaitu cahaya matahari dan cahaya bulan saling bertemu dan menghasilkan gelombang warna-warni yang tampak sebagai pelangi
- 23. Bagas ingin merancang rumah ramah lingkungan yang tetap terang di siang hari tanpa menggunakan listrik. Untuk itu, ia mencari cara agar cahaya matahari dapat dimanfaatkan secara maksimal untuk menerangi ruangan yang jauh dari jendela. Berdasarkan konsep sifat cahaya, solusi kreatif yang paling tepat adalah...
  - a. Memasang lampu neon di setiap sudut ruangan untuk memastikan penerangan tetap stabil sepanjang hari
  - b. Memasang kaca berwarna gelap di langit-langit agar cahaya matahari dapat diserap dan menghasilkan ruangan terang
  - c. Menggunakan cat dinding berwarna gelap agar cahaya tidak menyebar ke seluruh ruangan
  - d. **Menggunakan cermin datar untuk memantulkan cahaya matahari ke dalam ruangan yang gelap**
- 24. Seorang desainer interior ingin menciptakan suasana ruangan yang menarik dengan menggunakan lampu warna-warni. Ia ingin memanfaatkan sifat cahaya agar warna-warna tersebut terlihat lebih menarik dan menyebar dengan baik ke seluruh ruangan. Pernyataan berikut yang dapat menjadi solusi kreatif yang paling tepat adalah...
  - a. **Menggunakan prisma di sekitar lampu putih agar cahaya dapat terurai menjadi spektrum warna yang lebih beragam**
  - b. Melapisi lampu dengan kaca buram berwarna agar cahaya tampak lebih jelas dengan berbagai warna
  - c. Memanfaatkan cermin di beberapa sudut ruangan untuk memantulkan cahaya matahari sehingga memberik efek berbagai warna ke seluruh ruangan
  - d. Mengecat dinding dengan warna hitam pekat agar cahaya lebih menyerap dan warna lampu tampak lebih kontras.
- 25. Jika seseorang memiliki gangguan pada mata, seperti rabun jauh maka ia akan kesulitan melihat objek yang jauh dengan jelas. Hal ini terjadi karena...
  - a. Cahaya yang masuk ke mata tidak dapat mencapai retina, sehingga mata tidak bisa melihat dengan jelas
  - b. Cahaya yang masuk ke mata dibiaskan sejajar dengan retina, sehingga objek yang jauh tampak lebih terang
  - c. **Cahaya yang masuk ke mata difokuskan di depan retina, sehingga objek yang jauh tampak buram**
  - d. Cahaya yang masuk ke mata difokuskan di belakang retina, sehingga objek yang jauh tampak lebih kecil

26. Berikut ini proses perjalanan cahaya pada mata sehingga terbentuk bayangan benda yang tepat adalah.....
- Pupil – kornea – iris – lensa mata (cahaya membentuk bayangan) – bayangan ditangkap retina
  - Kornea – pupil – iris – lensa mata (cahaya membentuk bayangan) – bayangan ditangkap retina**
  - Pupil – iris – kornea – lensa mata (cahaya membentuk bayangan) – bayangan ditangkap retina
  - Kornea – pupil – lensa mata (Cahaya membentuk bayangan) – bayangan ditangkap retina
27. Seorang nenek berusia 60 tahun mengalami kesulitan untuk membaca buku. Namun, ia masih bisa melihat benda yang jauh dengan jelas. Jika ia ingin membaca tanpa kesulitan, makaacamata seperti apa yang harus ia gunakan...
- Kacamata berlensa cembung untuk menyebarkan cahaya sebelum masuk ke mata
  - Kacamata berlensa silinder untuk mengoreksi kelainan kornea
  - Kacamata berlensa datar untuk menyesuaikan cahaya yang masuk
  - Kacamata berlensa cembung untuk membantu memfokuskan cahaya ke retina**
28. Nita sedang membaca buku di ruangan yang awalnya terang, tetapi lampu tiba-tiba meredup sehingga kondisi ruangan menjadi sedikit gelap. Namun nita dapat membaca buku tersebut meskipun kurang jelas, apa yang terjadi pada bagian mata sehingga nita dapat melihat buku tersebut meskipun dalam kondisi kurang cahaya...
- Iris akan mengecilkan ukuran pupil sehingga sedikit cahaya masuk ke mata
  - Pupil akan melebar untuk membiarkan lebih banyak cahaya masuk**
  - Retina akan mengubah bentuknya agar lebih sensitif terhadap cahaya
  - Lensa mata akan menipis untuk memfokuskan cahaya lebih baik
29. Seorang astronom ingin mengamati detail permukaan Bulan di malam hari. Namun, ia hanya memiliki teropong binokular dan teleskop. Jika ia ingin melihat permukaan bulan dengan lebih jelas, alat mana yang harus ia pilih dan mengapa...
- Teropong binokular, karena dapat digunakan dengan kedua mata sehingga pengamatan lebih nyaman
  - Teropong binokular, karena memiliki bidang pandang lebih luas dibanding teleskop
  - Teleskop, karena lebih kecil dan ringan sehingga mudah digunakan di luar ruangan
  - Teleskop, karena memiliki lensa objektif dengan diameter lebih besar sehingga menangkap lebih banyak cahaya dan memperbesar bayangan lebih detail**
30. Mikroskop memiliki dua lensa utama yang bekerja bersama untuk memperbesar bayangan objek. Fungsi dari lensa okuler dalam mikroskop adalah...
- Memperbesar bayangan yang sudah dibentuk oleh lensa objektif**
  - Memantulkan cahaya agar objek lebih terang
  - Memfokuskan cahaya ke arah objek agar tampak lebih jelas
  - Membentuk bayangan nyata yang pertama kali dibentuk oleh mikroskop



### Lampiran 13

#### DATA HASIL UJI COBA PRESTASI BELAJAR SISWA KELAS IXA5 DAN IXA6 SMP NEGERI 1 SINGARAJA

| Nama Responden           | Item Pertanyaan |   |   |   |   |   |   |   |   |    |    |    |    |    |    |
|--------------------------|-----------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|
|                          | 1               | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| Desak Putu Ganeshia      | 0               | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1  | 1  | 1  | 1  | 1  | 1  |
| Desak Putu Luna Meika    | 1               | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1  | 1  | 1  | 1  | 1  | 1  |
| Dewa Gede Anggan         | 1               | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0  | 1  | 1  | 1  | 0  | 0  |
| Gede Aryawan Dinata      | 0               | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1  | 0  | 1  | 0  | 1  | 0  |
| Gede Bagus Cetta         | 1               | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0  | 0  | 1  | 1  | 0  | 1  |
| Gede Daren Maha          | 1               | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0  | 1  | 1  | 0  | 0  | 1  |
| I Gusti Ngurah Kresna    | 1               | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1  | 1  | 1  | 1  | 1  | 1  |
| I Kadek Sadu Wiguna      | 1               | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0  | 1  | 0  | 0  | 1  |
| I Komang Satria Laksana  | 0               | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1  | 1  | 1  | 1  | 1  | 1  |
| I Putu Narayana          | 1               | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0  | 0  | 1  | 0  | 1  | 0  |
| I Wayan Pasek Kurnia     | 0               | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0  | 1  | 0  | 1  | 1  | 0  |
| Kadek Agus Raditya       | 0               | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 1  | 0  | 0  | 0  | 1  | 1  |
| Kadek Aira Saccani       | 1               | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0  | 1  | 0  | 1  | 0  | 0  |
| Kadek Anggun Riani       | 0               | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0  | 1  | 0  | 1  | 0  | 1  |
| Kadek Astrid Ardyanti    | 0               | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1  | 0  | 1  | 0  | 0  | 0  |
| Kadek Handy Surya        | 1               | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0  | 0  | 0  | 0  | 1  | 0  |
| Kadek Indah Hardiyantini | 0               | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0  | 1  | 1  | 1  | 0  | 0  |
| Kadek Sudha Whirat       | 1               | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0  | 1  | 1  | 1  | 1  | 0  |
| Ketut Harta Karunia      | 0               | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1  | 0  | 1  | 1  | 1  | 1  |
| Komang Agastian Teja     | 1               | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0  | 1  | 1  | 1  | 1  | 0  |
| Komang Ardhyamahinsa     | 1               | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1  | 0  | 1  | 0  | 0  | 0  |
| Luh Misshyel Kanaya      | 1               | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1  | 0  | 0  | 0  | 1  | 1  |
| Made Tina Wijaya         | 1               | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0  | 0  | 0  | 1  | 1  | 0  |
| Ngurah Kade Aldena       | 1               | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1  | 1  | 1  | 1  | 1  | 1  |
| Ni Putu Anggi Novita     | 1               | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0  | 0  | 0  | 0  | 1  | 1  |



|                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ni Putu Melda Mahayoni    | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 |
| Nyoman Dita Triutami      | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0 |
| Pande Ketut Gede Satya    | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 |
| Putu Aishwarya Chandra    | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 |
| Putu Andre Julio          | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| Putu Astyra Mahayani      | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 |
| Putu Atisa Berlianda      | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 |
| Putu Tian Dema Putri      | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 |
| Ayu Savita Giridara       | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 |
| Chania Marmora Oriana     | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 |
| Desak Putu Firsha         | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 |
| Farid Ardiansyah          | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 |
| Gede Adi Amerta           | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 |
| Gede Andra Wipartha       | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 |
| Gede Mas Wira Nugraha     | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Gede Ngurah Andhika       | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| Gede Puja Agastya         | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 |
| Gede Yudi Putra           | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| Kadek Bayu Artadinata     | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 |
| Kadek Diah Pradnyani      | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 |
| Kadek Ghian Kurniasaka    | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 |
| Ketut Velyia Bunga        | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 |
| Komang Dhina              | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| Komang Diva Ade           | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 0 |
| Komang Tisna Putri        | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 |
| Luh Dera Nindy            | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 |
| Made Devina Yanti         | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 |
| Made Panji Ananta         | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| Ni Gusti Ayu Ratih Indira | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 |
| Ni Made Kinanti           | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 |
| Putu Abby Dhanuarta       | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 |
| Putu Aby Nanda Pratama    | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 |

|                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Putu Almira Praba     | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |
| Putu Annika Putri     | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 |
| Putu Ardi Suadnyana   | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Putu Dea Renata       | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| Putu Gresia Ananditha | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Putu Mahendra Hanaya  | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Putu Rachela Avenia   | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 |
| Putu Subianta Irene   | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 |

| Nama Responden           | Item Pertanyaan |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |
|--------------------------|-----------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|
|                          | 16              | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | total |
| Desak Putu Ganeshia      | 1               | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 0  | 1  | 1  | 1  | 24    |
| Desak Putu Luna Meika    | 1               | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 0  | 1  | 1  | 0  | 1  | 1  | 1  | 26    |
| Dewa Gede Anggan         | 0               | 1  | 1  | 0  | 0  | 1  | 0  | 1  | 1  | 1  | 0  | 0  | 0  | 0  | 1  | 14    |
| Gede Aryawan Dinata      | 0               | 0  | 1  | 1  | 1  | 1  | 0  | 0  | 0  | 1  | 1  | 1  | 1  | 0  | 0  | 15    |
| Gede Bagus Cetta         | 0               | 1  | 0  | 1  | 1  | 0  | 0  | 1  | 0  | 0  | 0  | 1  | 1  | 1  | 1  | 16    |
| Gede Daren Maha          | 1               | 0  | 0  | 1  | 1  | 0  | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 20    |
| I Gusti Ngurah Kresna    | 1               | 1  | 0  | 0  | 1  | 1  | 1  | 0  | 0  | 1  | 0  | 1  | 1  | 1  | 1  | 23    |
| I Kadek Sadu Wiguna      | 0               | 1  | 0  | 1  | 1  | 0  | 0  | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 15    |
| I Komang Satria Laksana  | 1               | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 24    |
| I Putu Narayana          | 0               | 0  | 1  | 1  | 1  | 1  | 0  | 1  | 0  | 1  | 0  | 0  | 0  | 0  | 0  | 15    |
| I Wayan Pasek Kurnia     | 0               | 0  | 1  | 1  | 1  | 1  | 1  | 0  | 0  | 1  | 1  | 0  | 1  | 0  | 1  | 16    |
| Kadek Agus Raditya       | 0               | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 20    |
| Kadek Aira Saccani       | 1               | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 1  | 0  | 1  | 0  | 1  | 1  | 0  | 10    |
| Kadek Anggun Riani       | 0               | 0  | 0  | 0  | 1  | 0  | 0  | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 11    |
| Kadek Astrid Ardyanti    | 0               | 0  | 0  | 1  | 0  | 1  | 1  | 1  | 0  | 1  | 0  | 1  | 0  | 1  | 0  | 11    |
| Kadek Handy Surya        | 1               | 1  | 1  | 0  | 1  | 1  | 1  | 0  | 1  | 1  | 0  | 0  | 0  | 0  | 1  | 16    |
| Kadek Indah Hardiyantini | 0               | 1  | 0  | 0  | 0  | 1  | 1  | 0  | 0  | 0  | 0  | 0  | 1  | 1  | 1  | 12    |
| Kadek Sudha Whirat       | 1               | 1  | 1  | 0  | 0  | 1  | 1  | 1  | 0  | 1  | 1  | 0  | 1  | 1  | 1  | 22    |
| Ketut Harta Karunia      | 1               | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 25    |
| Komang Agastian Teja     | 1               | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 0  | 0  | 1  | 1  | 0  | 1  | 1  | 23    |
| Komang Ardhymahinsa      | 0               | 1  | 1  | 1  | 0  | 1  | 0  | 0  | 0  | 1  | 0  | 0  | 0  | 1  | 1  | 12    |

|                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Luh Misshyel Kanaya    | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 20 |
| Made Tina Wijaya       | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 15 |
| Ngurah Kade Aldena     | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 27 |
| Ni Putu Anggi Novita   | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 13 |
| Ni Putu Melda Mahayoni | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 11 |
| Nyoman Dita Triutami   | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 23 |
| Pande Ketut Gede Satya | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 16 |
| Putu Aishwarya Chandra | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 23 |
| Putu Andre Julio       | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 17 |
| Putu Astyra Mahayani   | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 21 |
| Putu Atisa Berlianda   | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 20 |
| Putu Tian Dema Putri   | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 25 |
| Ayu Savita Giridara    | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 15 |
| Chania Marmora Oriana  | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 11 |
| Desak Putu Firsha      | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 16 |
| Farid Ardiansyah       | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 17 |
| Gede Adi Amerta        | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 16 |
| Gede Andra Wipartha    | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 26 |
| Gede Mas Wira Nugraha  | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 24 |
| Gede Ngurah Andhika    | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 15 |
| Gede Puja Agastya      | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 22 |
| Gede Yudi Putra        | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 22 |
| Kadek Bayu Artadinata  | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 13 |
| Kadek Diah Pradnyani   | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 23 |
| Kadek Ghian Kurniasaka | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 17 |
| Ketut Velyia Bunga     | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 22 |
| Komang Dhina           | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 23 |
| Komang Diva Ade        | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 16 |
| Komang Tisna Putri     | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 22 |
| Luh Dera Nindy         | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 20 |
| Made Devina Yanti      | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 13 |
| Made Panji Ananta      | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 24 |

|                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Ni Gusti Ayu Ratih Indira | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 10 |
| Ni Made Kinanti           | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 23 |
| Putu Abby Dhanuarta       | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 20 |
| Putu Aby Nanda Pratama    | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 21 |
| Putu Almira Praba         | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 13 |
| Putu Annika Putri         | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 24 |
| Putu Ardi Suadnyana       | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 24 |
| Putu Dea Renata           | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 12 |
| Putu Gresia Ananditha     | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 23 |
| Putu Mahendra Hanaya      | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 10 |
| Putu Rachela Avenia       | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 23 |
| Putu Subianta Irene       | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 14 |



## Lampiran 14

### OUTPUT IBM SPSS STATISTIC 30 UNTUK ANALISIS VALIDITAS DAN RELIABILITAS TES PRESTASI BELAJAR

#### A. ANALISIS VALIDITAS BUTIR PERTANYAAN

|        |                     | Item 1 | Item 2 | Item 3 | Item 4 | Item 5 | Item 6 | Item 7 | Item 8 | Item 9 | Item 10 | Item 11 | Item 12 | Item 13 | Item 14 | Item 15 |
|--------|---------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|
| Item 1 | Pearson Correlation | 1      | 0,061  | 0,056  | 0,010  | 0,010  | 0,100  | ,283*  | 0,073  | 0,137  | 0,031   | ,278*   | 0,142   | 0,073   | 0,013   | 0,008   |
|        | Sig. (2-tailed)     |        | 0,628  | 0,657  | 0,935  | 0,935  | 0,429  | 0,023  | 0,562  | 0,276  | 0,809   | 0,025   | 0,259   | 0,562   | 0,917   | 0,949   |
|        | N                   | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65      | 65      | 65      | 65      | 65      | 65      |
| Item 2 | Pearson Correlation | 0,061  | 1      | 0,091  | 0,007  | 0,118  | 0,144  | 0,088  | 0,102  | 0,091  | 0,081   | 0,028   | 0,043   | -,302*  | 0,146   | ,254*   |
|        | Sig. (2-tailed)     | 0,628  |        | 0,471  | 0,957  | 0,350  | 0,254  | 0,488  | 0,420  | 0,471  | 0,521   | 0,826   | 0,735   | 0,014   | 0,247   | 0,042   |
|        | N                   | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65      | 65      | 65      | 65      | 65      | 65      |
| Item 3 | Pearson Correlation | 0,056  | 0,091  | 1      | 0,109  | 0,189  | 0,228  | 0,062  | 0,161  | 0,206  | 0,204   | ,252*   | 0,027   | 0,026   | 0,181   | 0,144   |
|        | Sig. (2-tailed)     | 0,657  | 0,471  |        | 0,388  | 0,131  | 0,068  | 0,624  | 0,201  | 0,100  | 0,103   | 0,043   | 0,834   | 0,838   | 0,150   | 0,254   |
|        | N                   | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65      | 65      | 65      | 65      | 65      | 65      |
| Item 4 | Pearson Correlation | 0,010  | 0,007  | 0,109  | 1      | 0,078  | 0,066  | 0,067  | 0,225  | 0,040  | 0,014   | 0,060   | 0,025   | 0,156   | ,453**  | 0,010   |
|        | Sig. (2-tailed)     | 0,935  | 0,957  | 0,388  |        | 0,537  | 0,602  | 0,596  | 0,071  | 0,751  | 0,912   | 0,635   | 0,842   | 0,215   | 0,000   | 0,940   |
|        | N                   | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65      | 65      | 65      | 65      | 65      | 65      |
| Item 5 | Pearson Correlation | 0,010  | 0,118  | 0,189  | 0,078  | 1      | 0,007  | 0,071  | 0,191  | 0,189  | 0,225   | 0,207   | 0,189   | 0,191   | 0,117   | 0,128   |
|        | Sig. (2-tailed)     | 0,935  | 0,350  | 0,131  | 0,537  |        | 0,958  | 0,573  | 0,127  | 0,131  | 0,072   | 0,098   | 0,133   | 0,127   | 0,352   | 0,310   |
|        | N                   | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65      | 65      | 65      | 65      | 65      | 65      |
| Item 6 | Pearson Correlation | 0,100  | 0,144  | 0,228  | 0,066  | 0,007  | 1      | 0,143  | 0,097  | 0,016  | 0,013   | 0,132   | 0,008   | 0,031   | 0,126   | 0,011   |



|         |                     |       |        |       |       |       |       |       |       |        |       |        |       |        |        |       |
|---------|---------------------|-------|--------|-------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|--------|-------|
|         | Sig. (2-tailed)     | 0,429 | 0,254  | 0,068 | 0,602 | 0,958 |       | 0,256 | 0,442 | 0,898  | 0,916 | 0,296  | 0,948 | 0,804  | 0,316  | 0,931 |
|         | N                   | 65    | 65     | 65    | 65    | 65    | 65    | 65    | 65    | 65     | 65    | 65     | 65    | 65     | 65     | 65    |
| Item 7  | Pearson Correlation | ,283* | 0,088  | -,062 | 0,067 | 0,071 | 0,143 | 1     | 0,032 | 0,072  | 0,025 | ,306*  | 0,147 | 0,157  | 0,147  | 0,107 |
|         | Sig. (2-tailed)     | 0,023 | 0,488  | 0,624 | 0,596 | 0,573 | 0,256 |       | 0,802 | 0,568  | 0,842 | 0,013  | 0,243 | 0,212  | 0,243  | 0,398 |
|         | N                   | 65    | 65     | 65    | 65    | 65    | 65    | 65    | 65    | 65     | 65    | 65     | 65    | 65     | 65     | 65    |
| Item 8  | Pearson Correlation | 0,073 | -,102  | 0,161 | 0,225 | 0,191 | -,097 | 0,032 | 1     | -,041  | 0,114 | 0,130  | -,022 | ,247*  | ,364** | -,049 |
|         | Sig. (2-tailed)     | 0,562 | 0,420  | 0,201 | 0,071 | 0,127 | 0,442 | 0,802 |       | 0,743  | 0,365 | 0,303  | 0,863 | 0,047  | 0,003  | 0,700 |
|         | N                   | 65    | 65     | 65    | 65    | 65    | 65    | 65    | 65    | 65     | 65    | 65     | 65    | 65     | 65     | 65    |
| Item 9  | Pearson Correlation | 0,137 | 0,091  | 0,206 | -,040 | 0,189 | 0,016 | 0,072 | -,041 | 1      | 0,068 | ,323** | ,250* | 0,093  | 0,043  | 0,144 |
|         | Sig. (2-tailed)     | 0,276 | 0,471  | 0,100 | 0,751 | 0,131 | 0,898 | 0,568 | 0,743 |        | 0,590 | 0,009  | 0,045 | 0,460  | 0,737  | 0,254 |
|         | N                   | 65    | 65     | 65    | 65    | 65    | 65    | 65    | 65    | 65     | 65    | 65     | 65    | 65     | 65     | 65    |
| Item 10 | Pearson Correlation | 0,031 | -,081  | 0,204 | -,014 | 0,225 | 0,013 | 0,025 | 0,114 | 0,068  | 1     | 0,107  | ,286* | -,076  | 0,156  | 0,075 |
|         | Sig. (2-tailed)     | 0,809 | 0,521  | 0,103 | 0,912 | 0,072 | 0,916 | 0,842 | 0,365 | 0,590  |       | 0,394  | 0,021 | 0,547  | 0,214  | 0,551 |
|         | N                   | 65    | 65     | 65    | 65    | 65    | 65    | 65    | 65    | 65     | 65    | 65     | 65    | 65     | 65     | 65    |
| Item 11 | Pearson Correlation | ,278* | -,028  | ,252* | -,060 | 0,207 | 0,132 | ,306* | 0,130 | ,323** | 0,107 | 1      | 0,221 | ,329** | 0,017  | 0,044 |
|         | Sig. (2-tailed)     | 0,025 | 0,826  | 0,043 | 0,635 | 0,098 | 0,296 | 0,013 | 0,303 | 0,009  | 0,394 |        | 0,076 | 0,007  | 0,894  | 0,731 |
|         | N                   | 65    | 65     | 65    | 65    | 65    | 65    | 65    | 65    | 65     | 65    | 65     | 65    | 65     | 65     | 65    |
| Item 12 | Pearson Correlation | 0,142 | 0,043  | -,027 | 0,025 | 0,189 | -,008 | 0,147 | -,022 | ,250*  | ,286* | 0,221  | 1     | 0,171  | 0,141  | 0,012 |
|         | Sig. (2-tailed)     | 0,259 | 0,735  | 0,834 | 0,842 | 0,133 | 0,948 | 0,243 | 0,863 | 0,045  | 0,021 | 0,076  |       | 0,172  | 0,262  | 0,926 |
|         | N                   | 65    | 65     | 65    | 65    | 65    | 65    | 65    | 65    | 65     | 65    | 65     | 65    | 65     | 65     | 65    |
| Item 13 | Pearson Correlation | 0,073 | -,302* | 0,026 | 0,156 | 0,191 | -,031 | 0,157 | ,247* | 0,093  | -,076 | ,329** | 0,171 | 1      | 0,107  | -,049 |
|         | Sig. (2-tailed)     | 0,562 | 0,014  | 0,838 | 0,215 | 0,127 | 0,804 | 0,212 | 0,047 | 0,460  | 0,547 | 0,007  | 0,172 |        | 0,396  | 0,700 |
|         | N                   | 65    | 65     | 65    | 65    | 65    | 65    | 65    | 65    | 65     | 65    | 65     | 65    | 65     | 65     | 65    |

|         |                     |            |            |            |            |       |            |            |            |            |       |            |        |            |            |            |
|---------|---------------------|------------|------------|------------|------------|-------|------------|------------|------------|------------|-------|------------|--------|------------|------------|------------|
| Item 14 | Pearson Correlation | -<br>0,013 | 0,146      | 0,181      | ,453**     | 0,117 | 0,126      | 0,147      | ,364**     | 0,043      | 0,156 | 0,017      | 0,141  | 0,107      | 1          | 0,139      |
|         | Sig. (2-tailed)     | 0,917      | 0,247      | 0,150      | 0,000      | 0,352 | 0,316      | 0,243      | 0,003      | 0,737      | 0,214 | 0,894      | 0,262  | 0,396      |            | 0,268      |
|         | N                   | 65         | 65         | 65         | 65         | 65    | 65         | 65         | 65         | 65         | 65    | 65         | 65     | 65         | 65         | 65         |
| Item 15 | Pearson Correlation | 0,008      | ,254*      | 0,144      | 0,010      | 0,128 | 0,011      | 0,107      | -<br>0,049 | 0,144      | 0,075 | 0,044      | 0,012  | -<br>0,049 | 0,139      | 1          |
|         | Sig. (2-tailed)     | 0,949      | 0,042      | 0,254      | 0,940      | 0,310 | 0,931      | 0,398      | 0,700      | 0,254      | 0,551 | 0,731      | 0,926  | 0,700      | 0,268      |            |
|         | N                   | 65         | 65         | 65         | 65         | 65    | 65         | 65         | 65         | 65         | 65    | 65         | 65     | 65         | 65         | 65         |
| Item 16 | Pearson Correlation | ,375**     | -<br>0,163 | 0,181      | 0,168      | ,260* | 0,126      | ,404**     | ,300*      | 0,181      | 0,221 | ,426**     | ,273*  | ,364**     | 0,207      | 0,076      |
|         | Sig. (2-tailed)     | 0,002      | 0,195      | 0,150      | 0,182      | 0,037 | 0,316      | 0,001      | 0,015      | 0,150      | 0,077 | 0,000      | 0,028  | 0,003      | 0,098      | 0,550      |
|         | N                   | 65         | 65         | 65         | 65         | 65    | 65         | 65         | 65         | 65         | 65    | 65         | 65     | 65         | 65         | 65         |
| Item 17 | Pearson Correlation | 0,238      | -<br>0,153 | -<br>0,005 | 0,045      | 0,027 | -<br>0,189 | -<br>0,017 | 0,136      | 0,204      | 0,184 | 0,177      | 0,034  | 0,201      | 0,034      | 0,108      |
|         | Sig. (2-tailed)     | 0,056      | 0,223      | 0,966      | 0,720      | 0,834 | 0,131      | 0,894      | 0,280      | 0,104      | 0,143 | 0,159      | 0,789  | 0,109      | 0,789      | 0,392      |
|         | N                   | 65         | 65         | 65         | 65         | 65    | 65         | 65         | 65         | 65         | 65    | 65         | 65     | 65         | 65         | 65         |
| Item 18 | Pearson Correlation | 0,064      | -<br>0,060 | 0,112      | -<br>0,189 | 0,117 | ,329**     | 0,147      | 0,107      | 0,112      | 0,221 | 0,017      | 0,009  | -<br>0,151 | 0,075      | -<br>0,116 |
|         | Sig. (2-tailed)     | 0,610      | 0,634      | 0,376      | 0,133      | 0,352 | 0,008      | 0,243      | 0,396      | 0,376      | 0,077 | 0,894      | 0,942  | 0,231      | 0,552      | 0,358      |
|         | N                   | 65         | 65         | 65         | 65         | 65    | 65         | 65         | 65         | 65         | 65    | 65         | 65     | 65         | 65         | 65         |
| Item 19 | Pearson Correlation | 0,021      | 0,066      | 0,157      | 0,211      | 0,079 | 0,107      | -<br>0,053 | 0,100      | 0,157      | 0,080 | -<br>0,077 | 0,126  | 0,100      | 0,194      | 0,076      |
|         | Sig. (2-tailed)     | 0,870      | 0,601      | 0,211      | 0,091      | 0,530 | 0,397      | 0,673      | 0,428      | 0,211      | 0,528 | 0,542      | 0,316  | 0,428      | 0,122      | 0,547      |
|         | N                   | 65         | 65         | 65         | 65         | 65    | 65         | 65         | 65         | 65         | 65    | 65         | 65     | 65         | 65         | 65         |
| Item 20 | Pearson Correlation | -<br>0,075 | 0,054      | -<br>0,005 | 0,045      | 0,027 | 0,151      | -<br>0,017 | -<br>0,124 | -<br>0,075 | 0,053 | -<br>0,236 | -,299* | -<br>0,189 | -<br>0,033 | 0,044      |
|         | Sig. (2-tailed)     | 0,555      | 0,668      | 0,966      | 0,720      | 0,834 | 0,231      | 0,894      | 0,325      | 0,552      | 0,678 | 0,058      | 0,015  | 0,132      | 0,795      | 0,730      |
|         | N                   | 65         | 65         | 65         | 65         | 65    | 65         | 65         | 65         | 65         | 65    | 65         | 65     | 65         | 65         | 65         |
| Item 21 | Pearson Correlation | 0,014      | -<br>0,192 | -<br>0,088 | 0,036      | 0,173 | 0,057      | -<br>0,066 | ,275*      | 0,182      | 0,140 | 0,018      | 0,196  | 0,023      | 0,196      | -<br>0,081 |

|         |                     |            |            |            |            |            |            |            |       |            |            |            |            |            |            |        |
|---------|---------------------|------------|------------|------------|------------|------------|------------|------------|-------|------------|------------|------------|------------|------------|------------|--------|
|         | Sig. (2-tailed)     | 0,912      | 0,125      | 0,483      | 0,773      | 0,169      | 0,653      | 0,603      | 0,026 | 0,147      | 0,265      | 0,884      | 0,118      | 0,854      | 0,118      | 0,523  |
|         | N                   | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65    | 65         | 65         | 65         | 65         | 65         | 65         | 65     |
| Item 22 | Pearson Correlation | 0,021      | -<br>0,039 | 0,016      | 0,066      | 0,152      | 0,107      | 0,208      | 0,100 | 0,087      | 0,212      | 0,132      | 0,126      | 0,100      | ,261*      | 0,076  |
|         | Sig. (2-tailed)     | 0,870      | 0,759      | 0,898      | 0,602      | 0,227      | 0,397      | 0,096      | 0,428 | 0,492      | 0,089      | 0,296      | 0,316      | 0,428      | 0,036      | 0,547  |
|         | N                   | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65    | 65         | 65         | 65         | 65         | 65         | 65         | 65     |
| Item 23 | Pearson Correlation | 0,047      | -<br>0,071 | 0,158      | ,359**     | -<br>0,005 | 0,036      | -<br>0,073 | 0,079 | 0,158      | -<br>0,065 | -<br>0,140 | 0,116      | 0,206      | 0,181      | 0,107  |
|         | Sig. (2-tailed)     | 0,708      | 0,576      | 0,208      | 0,003      | 0,966      | 0,776      | 0,561      | 0,534 | 0,208      | 0,609      | 0,264      | 0,358      | 0,099      | 0,148      | 0,396  |
|         | N                   | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65    | 65         | 65         | 65         | 65         | 65         | 65         | 65     |
| Item 24 | Pearson Correlation | 0,213      | -<br>0,032 | 0,071      | 0,034      | 0,125      | -<br>0,120 | 0,154      | ,281* | 0,071      | 0,102      | 0,242      | 0,215      | ,353**     | 0,067      | 0,063  |
|         | Sig. (2-tailed)     | 0,089      | 0,801      | 0,572      | 0,786      | 0,320      | 0,343      | 0,222      | 0,024 | 0,572      | 0,419      | 0,052      | 0,085      | 0,004      | 0,595      | 0,620  |
|         | N                   | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65    | 65         | 65         | 65         | 65         | 65         | 65         | 65     |
| Item 25 | Pearson Correlation | -<br>0,025 | -<br>0,017 | -<br>0,011 | 0,183      | 0,040      | -<br>0,054 | 0,072      | 0,228 | -<br>0,011 | ,272*      | -<br>0,104 | 0,181      | -<br>0,176 | 0,181      | 0,010  |
|         | Sig. (2-tailed)     | 0,844      | 0,896      | 0,930      | 0,144      | 0,751      | 0,668      | 0,568      | 0,068 | 0,930      | 0,028      | 0,409      | 0,150      | 0,161      | 0,150      | 0,935  |
|         | N                   | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65    | 65         | 65         | 65         | 65         | 65         | 65         | 65     |
| Item 26 | Pearson Correlation | 0,047      | -<br>0,173 | ,295*      | 0,076      | 0,207      | 0,170      | 0,117      | 0,142 | -<br>0,047 | 0,194      | 0,130      | -<br>0,015 | ,270*      | ,247*      | 0,044  |
|         | Sig. (2-tailed)     | 0,708      | 0,169      | 0,017      | 0,547      | 0,099      | 0,177      | 0,351      | 0,258 | 0,707      | 0,122      | 0,302      | 0,905      | 0,030      | 0,047      | 0,729  |
|         | N                   | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65    | 65         | 65         | 65         | 65         | 65         | 65         | 65     |
| Item 27 | Pearson Correlation | 0,191      | 0,077      | 0,118      | -<br>0,021 | -<br>0,117 | 0,055      | 0,100      | 0,067 | -<br>0,082 | 0,189      | 0,086      | -<br>0,005 | -<br>0,182 | -<br>0,069 | ,323** |
|         | Sig. (2-tailed)     | 0,128      | 0,544      | 0,348      | 0,867      | 0,355      | 0,662      | 0,427      | 0,595 | 0,515      | 0,132      | 0,494      | 0,969      | 0,146      | 0,586      | 0,009  |
|         | N                   | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65    | 65         | 65         | 65         | 65         | 65         | 65         | 65     |
| Item 28 | Pearson Correlation | -<br>0,168 | -<br>0,163 | 0,112      | 0,096      | 0,046      | 0,059      | 0,211      | 0,171 | 0,043      | 0,026      | 0,085      | 0,009      | 0,107      | 0,141      | ,267*  |
|         | Sig. (2-tailed)     | 0,180      | 0,195      | 0,376      | 0,445      | 0,716      | 0,640      | 0,091      | 0,172 | 0,737      | 0,837      | 0,501      | 0,942      | 0,396      | 0,262      | 0,032  |
|         | N                   | 65         | 65         | 65         | 65         | 65         | 65         | 65         | 65    | 65         | 65         | 65         | 65         | 65         | 65         | 65     |

|         |                     |       |       |        |       |        |       |        |        |        |        |        |        |        |        |       |
|---------|---------------------|-------|-------|--------|-------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| Item 29 | Pearson Correlation | 0,019 | -     | -      | 0,071 | 0,136  | -     | 0,121  | 0,031  | 0,196  | -      | 0,157  | ,302*  | ,343** | -      | 0,141 |
|         | Sig. (2-tailed)     | 0,884 | 0,488 | 0,967  | 0,573 | 0,279  | 0,256 | 0,338  | 0,808  | 0,118  | 0,842  | 0,212  | 0,015  | 0,005  | 0,512  | 0,263 |
|         | N                   | 65    | 65    | 65     | 65    | 65     | 65    | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65    |
| Item 30 | Pearson Correlation | 0,118 | -     | 0,038  | 0,161 | 0,060  | -     | 0,240  | ,263*  | ,252*  | 0,040  | 0,226  | 0,221  | ,263*  | 0,153  | 0,044 |
|         | Sig. (2-tailed)     | 0,348 | 0,826 | 0,761  | 0,201 | 0,635  | 0,542 | 0,054  | 0,035  | 0,043  | 0,750  | 0,070  | 0,076  | 0,035  | 0,223  | 0,731 |
|         | N                   | 65    | 65    | 65     | 65    | 65     | 65    | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65    |
| Total   | Pearson Correlation | ,300* | -     | ,371** | ,314* | ,371** | 0,215 | ,397** | ,428** | ,377** | ,389** | ,422** | ,390** | ,371** | ,468** | ,302* |
|         | Sig. (2-tailed)     | 0,015 | 0,731 | 0,002  | 0,011 | 0,002  | 0,086 | 0,001  | 0,000  | 0,002  | 0,001  | 0,000  | 0,001  | 0,002  | 0,000  | 0,014 |
|         | N                   | 65    | 65    | 65     | 65    | 65     | 65    | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65    |

|        |                     | Item 16 | Item 17 | Item 18 | Item 19 | Item 20 | Item 21 | Item 22 | Item 23 | Item 24 | Item 25 | Item 26 | Item 27 | Item 28 | Item 29 | Item 30 | Total  |
|--------|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
| Item 1 | Pearson Correlation | ,375**  | 0,238   | 0,064   | 0,021   | -       | 0,014   | 0,021   | 0,047   | 0,213   | -       | 0,047   | 0,191   | -       | 0,019   | 0,118   | ,300*  |
|        | Sig. (2-tailed)     | 0,002   | 0,056   | 0,610   | 0,870   | 0,555   | 0,912   | 0,870   | 0,708   | 0,089   | 0,844   | 0,708   | 0,128   | 0,180   | 0,884   | 0,348   | 0,015  |
|        | N                   | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65     |
| Item 2 | Pearson Correlation | -       | -       | -       | 0,066   | 0,054   | -       | -       | -       | -       | -       | -       | 0,077   | -       | -       | -       | -      |
|        | Sig. (2-tailed)     | 0,163   | 0,153   | 0,060   | 0,601   | 0,668   | 0,125   | 0,759   | 0,576   | 0,801   | 0,896   | 0,169   | 0,544   | 0,195   | 0,488   | 0,826   | 0,731  |
|        | N                   | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65     |
| Item 3 | Pearson Correlation | 0,181   | -       | 0,112   | 0,157   | -       | -       | 0,016   | 0,158   | 0,071   | -       | ,295*   | 0,118   | 0,112   | -       | 0,038   | ,371** |
|        | Sig. (2-tailed)     | 0,150   | 0,966   | 0,376   | 0,211   | 0,966   | 0,483   | 0,898   | 0,208   | 0,572   | 0,930   | 0,017   | 0,348   | 0,376   | 0,967   | 0,761   | 0,002  |
|        | N                   | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65      | 65     |
| Item 4 | Pearson Correlation | 0,168   | 0,045   | -       | 0,211   | 0,045   | 0,036   | 0,066   | ,359**  | 0,034   | 0,183   | 0,076   | -       | 0,096   | 0,071   | 0,161   | ,314*  |
|        | Sig. (2-tailed)     | 0,182   | 0,720   | 0,133   | 0,091   | 0,720   | 0,773   | 0,602   | 0,003   | 0,786   | 0,144   | 0,547   | 0,867   | 0,445   | 0,573   | 0,201   | 0,011  |



|         |                     |        |       |        |       |        |       |       |       |       |       |       |       |       |       |       |        |
|---------|---------------------|--------|-------|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
|         | N                   | 65     | 65    | 65     | 65    | 65     | 65    | 65    | 65    | 65    | 65    | 65    | 65    | 65    | 65    | 65    | 65     |
| Item 5  | Pearson Correlation | ,260*  | 0,027 | 0,117  | 0,079 | 0,027  | 0,173 | 0,152 | 0,005 | 0,125 | 0,040 | 0,207 | 0,117 | 0,046 | 0,136 | 0,060 | ,371** |
|         | Sig. (2-tailed)     | 0,037  | 0,834 | 0,352  | 0,530 | 0,834  | 0,169 | 0,227 | 0,966 | 0,320 | 0,751 | 0,099 | 0,355 | 0,716 | 0,279 | 0,635 | 0,002  |
|         | N                   | 65     | 65    | 65     | 65    | 65     | 65    | 65    | 65    | 65    | 65    | 65    | 65    | 65    | 65    | 65    | 65     |
| Item 6  | Pearson Correlation | 0,126  | 0,189 | ,329** | 0,107 | 0,151  | 0,057 | 0,107 | 0,036 | 0,120 | 0,054 | 0,170 | 0,055 | 0,059 | 0,143 | 0,077 | 0,215  |
|         | Sig. (2-tailed)     | 0,316  | 0,131 | 0,008  | 0,397 | 0,231  | 0,653 | 0,397 | 0,776 | 0,343 | 0,668 | 0,177 | 0,662 | 0,640 | 0,256 | 0,542 | 0,086  |
|         | N                   | 65     | 65    | 65     | 65    | 65     | 65    | 65    | 65    | 65    | 65    | 65    | 65    | 65    | 65    | 65    | 65     |
| Item 7  | Pearson Correlation | ,404** | 0,017 | 0,147  | 0,053 | 0,017  | 0,066 | 0,208 | 0,073 | 0,154 | 0,072 | 0,117 | 0,100 | 0,211 | 0,121 | 0,240 | ,397** |
|         | Sig. (2-tailed)     | 0,001  | 0,894 | 0,243  | 0,673 | 0,894  | 0,603 | 0,096 | 0,561 | 0,222 | 0,568 | 0,351 | 0,427 | 0,091 | 0,338 | 0,054 | 0,001  |
|         | N                   | 65     | 65    | 65     | 65    | 65     | 65    | 65    | 65    | 65    | 65    | 65    | 65    | 65    | 65    | 65    | 65     |
| Item 8  | Pearson Correlation | ,300*  | 0,136 | 0,107  | 0,100 | 0,124  | ,275* | 0,100 | 0,079 | ,281* | 0,228 | 0,142 | 0,067 | 0,171 | 0,031 | ,263* | ,428** |
|         | Sig. (2-tailed)     | 0,015  | 0,280 | 0,396  | 0,428 | 0,325  | 0,026 | 0,428 | 0,534 | 0,024 | 0,068 | 0,258 | 0,595 | 0,172 | 0,808 | 0,035 | 0,000  |
|         | N                   | 65     | 65    | 65     | 65    | 65     | 65    | 65    | 65    | 65    | 65    | 65    | 65    | 65    | 65    | 65    | 65     |
| Item 9  | Pearson Correlation | 0,181  | 0,204 | 0,112  | 0,157 | 0,075  | 0,182 | 0,087 | 0,158 | 0,071 | 0,011 | 0,047 | 0,082 | 0,043 | 0,196 | ,252* | ,377** |
|         | Sig. (2-tailed)     | 0,150  | 0,104 | 0,376  | 0,211 | 0,552  | 0,147 | 0,492 | 0,208 | 0,572 | 0,930 | 0,707 | 0,515 | 0,737 | 0,118 | 0,043 | 0,002  |
|         | N                   | 65     | 65    | 65     | 65    | 65     | 65    | 65    | 65    | 65    | 65    | 65    | 65    | 65    | 65    | 65    | 65     |
| Item 10 | Pearson Correlation | 0,221  | 0,184 | 0,221  | 0,080 | 0,053  | 0,140 | 0,212 | 0,065 | 0,102 | ,272* | 0,194 | 0,189 | 0,026 | 0,025 | 0,040 | ,389** |
|         | Sig. (2-tailed)     | 0,077  | 0,143 | 0,077  | 0,528 | 0,678  | 0,265 | 0,089 | 0,609 | 0,419 | 0,028 | 0,122 | 0,132 | 0,837 | 0,842 | 0,750 | 0,001  |
|         | N                   | 65     | 65    | 65     | 65    | 65     | 65    | 65    | 65    | 65    | 65    | 65    | 65    | 65    | 65    | 65    | 65     |
| Item 11 | Pearson Correlation | ,426** | 0,177 | 0,017  | 0,077 | 0,236  | 0,018 | 0,132 | 0,140 | 0,242 | 0,104 | 0,130 | 0,086 | 0,085 | 0,157 | 0,226 | ,422** |
|         | Sig. (2-tailed)     | 0,000  | 0,159 | 0,894  | 0,542 | 0,058  | 0,884 | 0,296 | 0,264 | 0,052 | 0,409 | 0,302 | 0,494 | 0,501 | 0,212 | 0,070 | 0,000  |
|         | N                   | 65     | 65    | 65     | 65    | 65     | 65    | 65    | 65    | 65    | 65    | 65    | 65    | 65    | 65    | 65    | 65     |
| Item 12 | Pearson Correlation | ,273*  | 0,034 | 0,009  | 0,126 | -,299* | 0,196 | 0,126 | 0,116 | 0,215 | 0,181 | 0,015 | 0,005 | 0,009 | ,302* | 0,221 | ,390** |



|         |                     |        |       |       |       |       |       |       |       |        |       |       |        |       |        |        |        |
|---------|---------------------|--------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|--------|-------|--------|--------|--------|
|         | Sig. (2-tailed)     | 0,028  | 0,789 | 0,942 | 0,316 | 0,015 | 0,118 | 0,316 | 0,358 | 0,085  | 0,150 | 0,905 | 0,969  | 0,942 | 0,015  | 0,076  | 0,001  |
|         | N                   | 65     | 65    | 65    | 65    | 65    | 65    | 65    | 65    | 65     | 65    | 65    | 65     | 65    | 65     | 65     | 65     |
| Item 13 | Pearson Correlation | ,364** | 0,201 | -,151 | 0,100 | -,189 | 0,023 | 0,100 | 0,206 | ,353** | -,176 | ,270* | -,182  | 0,107 | ,343** | ,263*  | ,371** |
|         | Sig. (2-tailed)     | 0,003  | 0,109 | 0,231 | 0,428 | 0,132 | 0,854 | 0,428 | 0,099 | 0,004  | 0,161 | 0,030 | 0,146  | 0,396 | 0,005  | 0,035  | 0,002  |
|         | N                   | 65     | 65    | 65    | 65    | 65    | 65    | 65    | 65    | 65     | 65    | 65    | 65     | 65    | 65     | 65     | 65     |
| Item 14 | Pearson Correlation | 0,207  | 0,034 | 0,075 | 0,194 | -,033 | 0,196 | ,261* | 0,181 | 0,067  | 0,181 | ,247* | -,069  | 0,141 | -,083  | 0,153  | ,468** |
|         | Sig. (2-tailed)     | 0,098  | 0,789 | 0,552 | 0,122 | 0,795 | 0,118 | 0,036 | 0,148 | 0,595  | 0,150 | 0,047 | 0,586  | 0,262 | 0,512  | 0,223  | 0,000  |
|         | N                   | 65     | 65    | 65    | 65    | 65    | 65    | 65    | 65    | 65     | 65    | 65    | 65     | 65    | 65     | 65     | 65     |
| Item 15 | Pearson Correlation | 0,076  | 0,108 | -,116 | 0,076 | 0,044 | -,081 | 0,076 | 0,107 | 0,063  | 0,010 | 0,044 | ,323** | ,267* | 0,141  | 0,044  | ,302*  |
|         | Sig. (2-tailed)     | 0,550  | 0,392 | 0,358 | 0,547 | 0,730 | 0,523 | 0,547 | 0,396 | 0,620  | 0,935 | 0,729 | 0,009  | 0,032 | 0,263  | 0,731  | 0,014  |
|         | N                   | 65     | 65    | 65    | 65    | 65    | 65    | 65    | 65    | 65     | 65    | 65    | 65     | 65    | 65     | 65     | 65     |
| Item 16 | Pearson Correlation | 1      | 0,167 | 0,207 | 0,194 | -,033 | 0,196 | 0,126 | 0,116 | ,363** | 0,043 | ,247* | 0,123  | 0,075 | 0,238  | ,358** | ,662** |
|         | Sig. (2-tailed)     |        | 0,183 | 0,098 | 0,122 | 0,795 | 0,118 | 0,316 | 0,358 | 0,003  | 0,737 | 0,047 | 0,329  | 0,552 | 0,056  | 0,003  | 0,000  |
|         | N                   | 65     | 65    | 65    | 65    | 65    | 65    | 65    | 65    | 65     | 65    | 65    | 65     | 65    | 65     | 65     | 65     |
| Item 17 | Pearson Correlation | 0,167  | 1     | -,033 | 0,083 | -,144 | 0,160 | 0,151 | 0,010 | ,273*  | -,005 | 0,010 | 0,089  | 0,167 | ,276*  | ,314*  | ,346** |
|         | Sig. (2-tailed)     | 0,183  |       | 0,795 | 0,513 | 0,253 | 0,204 | 0,231 | 0,936 | 0,028  | 0,966 | 0,936 | 0,479  | 0,183 | 0,026  | 0,011  | 0,005  |
|         | N                   | 65     | 65    | 65    | 65    | 65    | 65    | 65    | 65    | 65     | 65    | 65    | 65     | 65    | 65     | 65     | 65     |
| Item 18 | Pearson Correlation | 0,207  | -,033 | 1     | 0,126 | 0,101 | ,261* | -,008 | 0,015 | -,081  | ,250* | 0,181 | -,069  | 0,009 | -,211  | 0,085  | ,254*  |
|         | Sig. (2-tailed)     | 0,098  | 0,795 |       | 0,316 | 0,426 | 0,036 | 0,948 | 0,905 | 0,522  | 0,045 | 0,148 | 0,586  | 0,942 | 0,091  | 0,501  | 0,041  |
|         | N                   | 65     | 65    | 65    | 65    | 65    | 65    | 65    | 65    | 65     | 65    | 65    | 65     | 65    | 65     | 65     | 65     |
| Item 19 | Pearson Correlation | 0,194  | 0,083 | 0,126 | 1     | 0,219 | 0,189 | 0,038 | 0,170 | 0,107  | ,298* | ,303* | 0,186  | 0,126 | ,315*  | 0,201  | ,472** |
|         | Sig. (2-tailed)     | 0,122  | 0,513 | 0,316 |       | 0,080 | 0,132 | 0,763 | 0,177 | 0,397  | 0,016 | 0,014 | 0,139  | 0,316 | 0,011  | 0,108  | 0,000  |
|         | N                   | 65     | 65    | 65    | 65    | 65    | 65    | 65    | 65    | 65     | 65    | 65    | 65     | 65    | 65     | 65     | 65     |

|         |                     |        |       |       |       |       |        |       |       |       |        |       |       |       |        |       |        |
|---------|---------------------|--------|-------|-------|-------|-------|--------|-------|-------|-------|--------|-------|-------|-------|--------|-------|--------|
| Item 20 | Pearson Correlation | -      | -     | 0,101 | 0,219 | 1     | 0,094  | 0,015 | 0,010 | -     | 0,204  | -     | -     | 0,101 | -      | -     | 0,032  |
|         | Sig. (2-tailed)     | 0,795  | 0,253 | 0,426 | 0,080 |       | 0,454  | 0,908 | 0,936 | 0,428 | 0,104  | 0,333 | 0,753 | 0,426 | 0,372  | 0,183 | 0,802  |
|         | N                   | 65     | 65    | 65    | 65    | 65    | 65     | 65    | 65    | 65    | 65     | 65    | 65    | 65    | 65     | 65    | 65     |
| Item 21 | Pearson Correlation | 0,196  | 0,160 | ,261* | 0,189 | 0,094 | 1      | 0,057 | -     | 0,119 | ,317** | -     | 0,034 | 0,131 | 0,129  | ,286* | ,358** |
|         | Sig. (2-tailed)     | 0,118  | 0,204 | 0,036 | 0,132 | 0,454 |        | 0,653 | 0,845 | 0,344 | 0,010  | 0,082 | 0,790 | 0,297 | 0,308  | 0,021 | 0,003  |
|         | N                   | 65     | 65    | 65    | 65    | 65    | 65     | 65    | 65    | 65    | 65     | 65    | 65    | 65    | 65     | 65    | 65     |
| Item 22 | Pearson Correlation | 0,126  | 0,151 | -     | 0,038 | 0,015 | 0,057  | 1     | -     | -     | 0,157  | 0,103 | -     | 0,194 | -      | -     | ,314*  |
|         | Sig. (2-tailed)     | 0,316  | 0,231 | 0,948 | 0,763 | 0,908 | 0,653  |       | 0,439 | 0,727 | 0,211  | 0,415 | 0,937 | 0,122 | 0,924  | 0,542 | 0,011  |
|         | N                   | 65     | 65    | 65    | 65    | 65    | 65     | 65    | 65    | 65    | 65     | 65    | 65    | 65    | 65     | 65    | 65     |
| Item 23 | Pearson Correlation | 0,116  | 0,010 | -     | 0,170 | 0,010 | -      | -     | 1     | 0,011 | 0,090  | ,285* | -     | -     | 0,201  | ,265* | ,293*  |
|         | Sig. (2-tailed)     | 0,358  | 0,936 | 0,905 | 0,177 | 0,936 | 0,845  | 0,439 |       | 0,929 | 0,478  | 0,021 | 0,439 | 0,905 | 0,109  | 0,033 | 0,018  |
|         | N                   | 65     | 65    | 65    | 65    | 65    | 65     | 65    | 65    | 65    | 65     | 65    | 65    | 65    | 65     | 65    | 65     |
| Item 24 | Pearson Correlation | ,363** | ,273* | -     | 0,107 | -     | 0,119  | -     | 0,011 | 1     | -      | 0,011 | 0,028 | -     | ,349** | 0,089 | ,376** |
|         | Sig. (2-tailed)     | 0,003  | 0,028 | 0,522 | 0,397 | 0,428 | 0,344  | 0,727 | 0,929 |       | 0,962  | 0,929 | 0,828 | 0,957 | 0,004  | 0,479 | 0,002  |
|         | N                   | 65     | 65    | 65    | 65    | 65    | 65     | 65    | 65    | 65    | 65     | 65    | 65    | 65    | 65     | 65    | 65     |
| Item 25 | Pearson Correlation | 0,043  | -     | ,250* | ,298* | 0,204 | ,317** | 0,157 | 0,090 | -     | 1      | 0,090 | 0,051 | 0,112 | 0,062  | ,252* | ,357** |
|         | Sig. (2-tailed)     | 0,737  | 0,966 | 0,045 | 0,016 | 0,104 | 0,010  | 0,211 | 0,478 | 0,962 |        | 0,478 | 0,684 | 0,376 | 0,624  | 0,043 | 0,004  |
|         | N                   | 65     | 65    | 65    | 65    | 65    | 65     | 65    | 65    | 65    | 65     | 65    | 65    | 65    | 65     | 65    | 65     |
| Item 26 | Pearson Correlation | ,247*  | 0,010 | 0,181 | ,303* | -     | -      | 0,103 | ,285* | 0,011 | 0,090  | 1     | -     | 0,116 | 0,201  | 0,198 | ,396** |
|         | Sig. (2-tailed)     | 0,047  | 0,936 | 0,148 | 0,014 | 0,333 | 0,082  | 0,415 | 0,021 | 0,929 | 0,478  |       | 0,439 | 0,358 | 0,109  | 0,115 | 0,001  |
|         | N                   | 65     | 65    | 65    | 65    | 65    | 65     | 65    | 65    | 65    | 65     | 65    | 65    | 65    | 65     | 65    | 65     |
| Item 27 | Pearson Correlation | 0,123  | 0,089 | -     | 0,186 | -     | 0,034  | -     | -     | 0,028 | 0,051  | -     | 1     | -     | 0,024  | 0,020 | 0,185  |
|         |                     |        |       | 0,069 |       | 0,040 |        | 0,010 | 0,098 |       |        | 0,098 |       |       |        |       |        |

|         |                     |        |        |       |        |       |        |       |       |        |        |        |       |        |        |        |        |
|---------|---------------------|--------|--------|-------|--------|-------|--------|-------|-------|--------|--------|--------|-------|--------|--------|--------|--------|
|         | Sig. (2-tailed)     | 0,329  | 0,479  | 0,586 | 0,139  | 0,753 | 0,790  | 0,937 | 0,439 | 0,828  | 0,684  | 0,439  |       | 0,586  | 0,850  | 0,872  | 0,140  |
|         | N                   | 65     | 65     | 65    | 65     | 65    | 65     | 65    | 65    | 65     | 65     | 65     | 65    | 65     | 65     | 65     | 65     |
| Item 28 | Pearson Correlation | 0,075  | 0,167  | 0,009 | 0,126  | 0,101 | 0,131  | 0,194 | 0,015 | 0,007  | 0,112  | 0,116  | 0,069 | 1      | 0,110  | 0,085  | ,319** |
|         | Sig. (2-tailed)     | 0,552  | 0,183  | 0,942 | 0,316  | 0,426 | 0,297  | 0,122 | 0,905 | 0,957  | 0,376  | 0,358  | 0,586 |        | 0,385  | 0,501  | 0,010  |
|         | N                   | 65     | 65     | 65    | 65     | 65    | 65     | 65    | 65    | 65     | 65     | 65     | 65    | 65     | 65     | 65     | 65     |
| Item 29 | Pearson Correlation | 0,238  | ,276*  | 0,211 | ,315*  | 0,113 | 0,129  | 0,012 | 0,201 | ,349** | 0,062  | 0,201  | 0,024 | 0,110  | 1      | ,289*  | ,395** |
|         | Sig. (2-tailed)     | 0,056  | 0,026  | 0,091 | 0,011  | 0,372 | 0,308  | 0,924 | 0,109 | 0,004  | 0,624  | 0,109  | 0,850 | 0,385  |        | 0,019  | 0,001  |
|         | N                   | 65     | 65     | 65    | 65     | 65    | 65     | 65    | 65    | 65     | 65     | 65     | 65    | 65     | 65     | 65     | 65     |
| Item 30 | Pearson Correlation | ,358** | ,314*  | 0,085 | 0,201  | 0,167 | ,286*  | 0,077 | ,265* | 0,089  | ,252*  | 0,198  | 0,020 | 0,085  | ,289*  | 1      | ,502** |
|         | Sig. (2-tailed)     | 0,003  | 0,011  | 0,501 | 0,108  | 0,183 | 0,021  | 0,542 | 0,033 | 0,479  | 0,043  | 0,115  | 0,872 | 0,501  | 0,019  |        | 0,000  |
|         | N                   | 65     | 65     | 65    | 65     | 65    | 65     | 65    | 65    | 65     | 65     | 65     | 65    | 65     | 65     | 65     | 65     |
| Total   | Pearson Correlation | ,662** | ,346** | ,254* | ,472** | 0,032 | ,358** | ,314* | ,293* | ,376** | ,357** | ,396** | 0,185 | ,319** | ,395** | ,502** | 1      |
|         | Sig. (2-tailed)     | 0,000  | 0,005  | 0,041 | 0,000  | 0,802 | 0,003  | 0,011 | 0,018 | 0,002  | 0,004  | 0,001  | 0,140 | 0,010  | 0,001  | 0,000  |        |
|         | N                   | 65     | 65     | 65    | 65     | 65    | 65     | 65    | 65    | 65     | 65     | 65     | 65    | 65     | 65     | 65     | 65     |

## B. ANALISIS RELIABILITAS TES PRESTASI BELAJAR

| Case Processing Summary |                       |    |       |
|-------------------------|-----------------------|----|-------|
|                         |                       | N  | %     |
| Cases                   | Valid                 | 65 | 100,0 |
|                         | Excluded <sup>a</sup> | 0  | ,0    |
|                         | Total                 | 65 | 100,0 |

| Reliability Statistics |            |
|------------------------|------------|
| Cronbach's Alpha       | N of Items |
| ,777                   | 26         |

### C. ANALISIS TINGKAT KESUKARAN DAN DAYA BEDA MENGGUNAKAN MS. EXCEL 2016

#### TINGKAT KESUKARAN BUTIR TES

| No Soal                         | 1     | 2     | 3      | 4     | 5     | 6      | 7      | 8      | 9      | 10     | 11     | 12     | 13     | 14     | 15     |
|---------------------------------|-------|-------|--------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Jumlah siswa (N)                | 65    | 65    | 65     | 65    | 65    | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     |
| Jumlah siswa menjawab benar (B) | 51    | 58    | 45     | 47    | 18    | 43     | 36     | 37     | 45     | 39     | 44     | 41     | 37     | 41     | 33     |
| Tingkat kesukaran (0,30-0,70)   | 0,78  | 0,89  | 0,69   | 0,72  | 0,28  | 0,66   | 0,55   | 0,57   | 0,69   | 0,60   | 0,68   | 0,63   | 0,57   | 0,63   | 0,51   |
| Keterangan                      | mudah | mudah | sedang | mudah | sukar | sedang | sedang | sedang | sedang | sedang | sedang | sedang | sedang | sedang | sedang |

| No Soal                         | 16     | 17     | 18     | 19     | 20     | 21     | 22     | 23     | 24    | 25     | 26     | 27     | 28     | 29     | 30     |
|---------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|
| Jumlah siswa (N)                | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65    | 65     | 65     | 65     | 65     | 65     | 65     |
| Jumlah siswa menjawab benar (B) | 41     | 42     | 41     | 43     | 42     | 38     | 43     | 40     | 16    | 45     | 40     | 35     | 41     | 29     | 44     |
| Tingkat kesukaran (0,30-0,70)   | 0,63   | 0,65   | 0,63   | 0,66   | 0,65   | 0,58   | 0,66   | 0,62   | 0,25  | 0,69   | 0,62   | 0,54   | 0,63   | 0,45   | 0,68   |
| Keterangan                      | sedang | sedang | sedang | sedang | sedang | sedang | sedang | sedang | sukar | sedang | sedang | sedang | sedang | sedang | sedang |

#### DAYA BEDA BUTIR TES

| No Soal                                | 1    | 2     | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   |
|----------------------------------------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Jumlah siswa kelompok atas (JA)        | 33   | 33    | 33   | 33   | 33   | 33   | 33   | 33   | 33   | 33   | 33   | 33   | 33   | 33   | 33   |
| Jumlah siswa kelompok bawah (JB)       | 32   | 32    | 32   | 32   | 32   | 32   | 32   | 32   | 32   | 32   | 32   | 32   | 32   | 32   | 32   |
| Jumlah siswa benar kelompok atas (BA)  | 29   | 28    | 28   | 29   | 14   | 25   | 24   | 24   | 28   | 26   | 28   | 26   | 24   | 27   | 22   |
| Jumlah siswa benar kelompok bawah (BB) | 22   | 30    | 17   | 18   | 4    | 18   | 12   | 13   | 17   | 13   | 16   | 15   | 13   | 14   | 11   |
| Daya Beda (D)                          | 0,19 | -0,09 | 0,32 | 0,32 | 0,30 | 0,20 | 0,35 | 0,32 | 0,32 | 0,38 | 0,35 | 0,32 | 0,32 | 0,38 | 0,32 |

| No Soal                                | 16   | 17   | 18   | 19   | 20    | 21   | 22   | 23   | 24   | 25   | 26   | 27   | 28   | 29   | 30   |
|----------------------------------------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|
| Jumlah siswa kelompok atas (JA)        | 33   | 33   | 33   | 33   | 33    | 33   | 33   | 33   | 33   | 33   | 33   | 33   | 33   | 33   | 33   |
| Jumlah siswa kelompok bawah (JB)       | 32   | 32   | 32   | 32   | 32    | 32   | 32   | 32   | 32   | 32   | 32   | 32   | 32   | 32   | 32   |
| Jumlah siswa benar kelompok atas (BA)  | 30   | 27   | 24   | 28   | 21    | 25   | 27   | 25   | 13   | 28   | 26   | 21   | 26   | 21   | 28   |
| Jumlah siswa benar kelompok bawah (BB) | 11   | 15   | 17   | 15   | 21    | 13   | 16   | 15   | 3    | 17   | 14   | 14   | 15   | 8    | 16   |
| Daya Beda (D)                          | 0,57 | 0,35 | 0,20 | 0,38 | -0,02 | 0,35 | 0,32 | 0,29 | 0,30 | 0,32 | 0,35 | 0,20 | 0,32 | 0,39 | 0,35 |



## Lampiran 15

## Rekapitulasi Hasil Uji Coba Tes Prestasi Belajar IPA

## A. Analisis Validitas, Tingkat Kesukaran, Daya Beda

| No  | Validitas Butir ( $r_{xy} > 0,244$ ) | Kriteria    | Tingkat Kesukaran (0,3 - 0,7) | Kriteria | Daya Beda (DB>0,2) | Kriteria       | Keputusan       |
|-----|--------------------------------------|-------------|-------------------------------|----------|--------------------|----------------|-----------------|
| 1.  | 0,300                                | Valid       | 0,78                          | Mudah    | 0,19               | Dibuang        | Tidak digunakan |
| 2.  | -0,043                               | Tidak Valid | 0,89                          | Mudah    | -0,09              | Dibuang        | Tidak digunakan |
| 3.  | 0,371                                | Valid       | 0,69                          | Sedang   | 0,32               | Baik           | Digunakan       |
| 4.  | 0,314                                | Valid       | 0,72                          | Mudah    | 0,32               | Baik           | Digunakan       |
| 5.  | 0,371                                | Valid       | 0,28                          | Sukar    | 0,30               | Baik           | Digunakan       |
| 6.  | 0,215                                | Tidak valid | 0,66                          | Sedang   | 0,20               | Dibuang        | Tidak digunakan |
| 7.  | 0,397                                | Valid       | 0,55                          | Sedang   | 0,35               | Baik           | Digunakan       |
| 8.  | 0,428                                | Valid       | 0,57                          | Sedang   | 0,32               | Baik           | Digunakan       |
| 9.  | 0,377                                | Valid       | 0,69                          | Sedang   | 0,32               | Baik           | Digunakan       |
| 10. | 0,389                                | Valid       | 0,60                          | Sedang   | 0,38               | Baik           | Digunakan       |
| 11. | 0,422                                | Valid       | 0,68                          | Sedang   | 0,35               | Baik           | Digunakan       |
| 12. | 0,390                                | Valid       | 0,63                          | Sedang   | 0,32               | Baik           | Digunakan       |
| 13. | 0,371                                | Valid       | 0,57                          | Sedang   | 0,32               | Baik           | Digunakan       |
| 14. | 0,468                                | Valid       | 0,63                          | Sedang   | 0,38               | Baik           | Digunakan       |
| 15. | 0,302                                | Valid       | 0,51                          | Sedang   | 0,32               | Baik           | Digunakan       |
| 16. | 0,662                                | Valid       | 0,63                          | Sedang   | 0,57               | Sangat baik    | Digunakan       |
| 17. | 0,346                                | Valid       | 0,65                          | Sedang   | 0,35               | Baik           | Digunakan       |
| 18. | 0,254                                | Valid       | 0,63                          | Sedang   | 0,20               | Perlu direvisi | Direvisi        |
| 19. | 0,472                                | Valid       | 0,66                          | Sedang   | 0,38               | Baik           | Digunakan       |
| 20. | 0,032                                | Tidak Valid | 0,65                          | Sedang   | -0,02              | Dibuang        | Tidak digunakan |
| 21. | 0,358                                | Valid       | 0,58                          | Sedang   | 0,35               | Baik           | Digunakan       |
| 22. | 0,314                                | Valid       | 0,66                          | Sedang   | 0,32               | Baik           | Digunakan       |
| 23. | 0,293                                | Valid       | 0,62                          | Sedang   | 0,29               | Perlu revisi   | Direvisi        |
| 24. | 0,376                                | Valid       | 0,25                          | Sukar    | 0,30               | Baik           | Digunakan       |
| 25. | 0,357                                | Valid       | 0,69                          | Sedang   | 0,32               | Baik           | Digunakan       |
| 26. | 0,396                                | Valid       | 0,62                          | Sedang   | 0,35               | Baik           | Digunakan       |
| 27. | 0,185                                | Tidak valid | 0,54                          | Sedang   | 0,20               | Dibuang        | Tidak digunakan |
| 28. | 0,319                                | Valid       | 0,63                          | Sedang   | 0,32               | Baik           | Digunakan       |



|     |       |       |      |        |      |      |           |
|-----|-------|-------|------|--------|------|------|-----------|
| 29. | 0,395 | Valid | 0,45 | Sedang | 0,39 | Baik | Digunakan |
| 30. | 0,502 | Valid | 0,68 | Sedang | 0,35 | Baik | Digunakan |

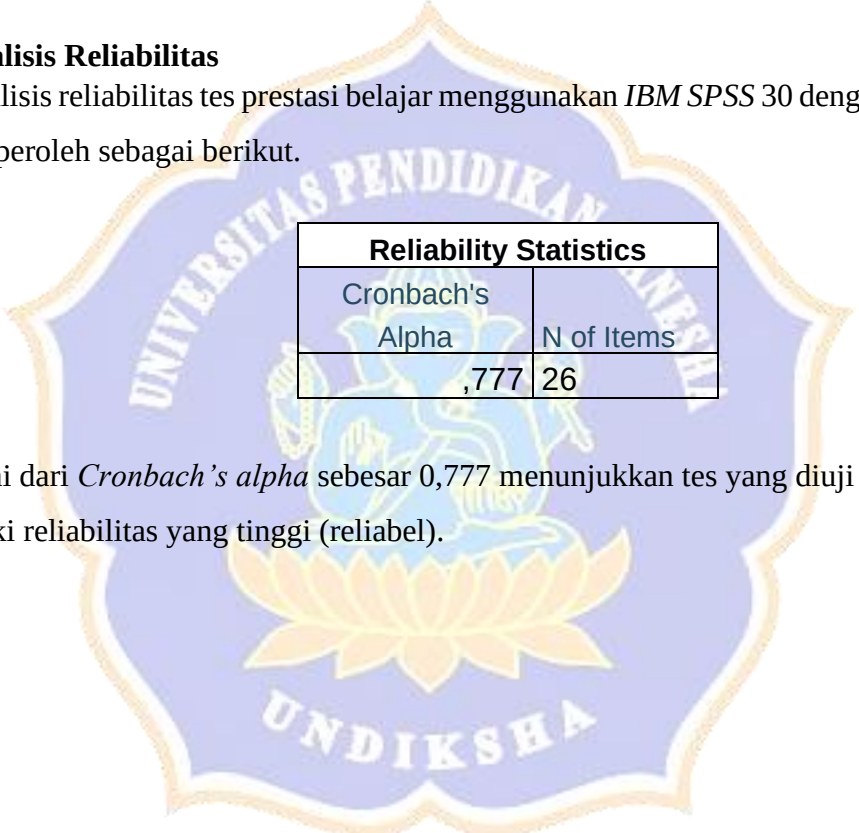
### Kriteria Validitas Butir Pernyataan

| Keterangan          | Keputusan |
|---------------------|-----------|
| $r_{xy} \geq 0,244$ | Diterima  |
| $r_{xy} \leq 0,244$ | Ditolak   |

Berdasarkan hasil analisis validitas butir pernyataan pada tes prestasi belajar IPA, butir tes yang diterima sejumlah 26 butir dengan butir tes yang gugur sejumlah 4 butir dan yang digunakan adalah 25 butir.

### B. Analisis Reliabilitas

Analisis reliabilitas tes prestasi belajar menggunakan *IBM SPSS 30* dengan hasil yang diperoleh sebagai berikut.



| Reliability Statistics |            |
|------------------------|------------|
| Cronbach's Alpha       | N of Items |
| ,777                   | 26         |

Nilai dari *Cronbach's alpha* sebesar 0,777 menunjukkan tes yang diuji telah memiliki reliabilitas yang tinggi (reliabel).

## Lampiran 16

**KISI-KISI ANGKET MOTIVASI BELAJAR YANG DIGUNAKAN**

| <b>Dimensi</b>                           | <b>Indikator</b>                                                 | <b>No. Butir Positif</b> | <b>No. Butir Negatif</b> | <b>Jumlah Butir</b> |
|------------------------------------------|------------------------------------------------------------------|--------------------------|--------------------------|---------------------|
| Keinginan atau dorongan mencapai sesuatu | Adanya keinginan dan kebutuhan dalam belajar                     | 1,2                      | 3,4,5                    | 5                   |
|                                          | Adanya hasrat untuk berprestasi                                  | 6,7                      | 8,9                      | 4                   |
| Komitmen                                 | Konsistensi belajar setiap hari                                  | 10,11,12                 | 13                       | 4                   |
|                                          | Ketepatan dalam menyelesaikan tugas                              | 14,15                    | 16,17                    | 4                   |
| Inisiatif untuk belajar                  | Mencari sumber belajar tambahan secara mandiri                   | 18,19,20                 | 21,22                    | 5                   |
|                                          | Aktif melakukan diskusi terkait permasalahan yang diberikan guru | 23,24                    | 25,26                    | 4                   |
| Optimis                                  | Giat dalam menghadapi kesulitan                                  | 27,28                    | 29,30                    | 4                   |
| <b>Total Butir Pertanyaan</b>            |                                                                  | <b>30</b>                |                          |                     |

## Lampiran 17

### ANGKET MOTIVASI BELAJAR YANG DIGUNAKAN

#### A. Identitas Siswa

Nama :  
No. Absen :  
Kelas :

#### B. Petunjuk Pengisian Angket

1. Angket ini terdiri dari 30 pernyataan tentang motivasi belajar
2. Baca setiap pernyataan dengan saksama, kemudian pilih salah satu jawaban yang paling sesuai dengan kondisi anda dengan mencentang ( $\sqrt{\phantom{x}}$ ). Pastikan anda menjawab dengan jujur.
3. Kategori yang digunakan untuk menjawab adalah sangat setuju (SS), setuju (S), ragu-ragu (RR), tidak setuju (TS), dan sangat tidak setuju (STS)
4. Tidak ada jawaban yang benar atau salah, tidak ada pengaruh terhadap penilaian yang dilakukan di sekolah, dan akan dirahasiakan.
5. Alokasi waktu yang diberikan untuk menjawab kuesioner sebesar 10 menit.

| No | Pernyataan                                                                                                                                                                                   | SS | S | RR | TS | STS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|---|----|----|-----|
| 1. | Saya merasa sangat terdorong untuk belajar karena memiliki tujuan jangka panjang yang ingin saya capai, seperti keberhasilan akademik atau menggapai cita-cita yang sudah lama saya impikan. |    |   |    |    |     |
| 2. | Saya selalu berusaha memahami materi pelajaran dengan sungguh-sungguh karena merasa belajar adalah kebutuhan penting untuk meningkatkan kualitas diri saya.                                  |    |   |    |    |     |
| 3. | Saya sering merasa bahwa belajar hanyalah kewajiban yang harus dilakukan, bukan sesuatu yang benar-benar saya butuhkan atau inginkan.                                                        |    |   |    |    |     |
| 4. | Saya jarang merasa ada kebutuhan untuk mempelajari sesuatu yang baru, kecuali jika itu diwajibkan oleh sekolah atau guru.                                                                    |    |   |    |    |     |
| 5. | Saya belajar saat ada ujian atau ulangan saja                                                                                                                                                |    |   |    |    |     |
| 6. | Saya selalu berusaha mendapatkan nilai terbaik dalam pelajaran IPA karena ingin mencapai prestasi akademik yang membanggakan.                                                                |    |   |    |    |     |
| 7. | Saya ingin menjadi salah satu siswa terbaik di kelas.                                                                                                                                        |    |   |    |    |     |
| 8. | Saya merasa tidak terlalu peduli apakah pemahaman saya terhadap pelajaran IPA dapat membawa prestasi atau tidak, asalkan tugas saya selesai.                                                 |    |   |    |    |     |

|     |                                                                                                                                                              |  |  |  |  |  |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|
| 9.  | Saat nilai ujian saya jelek, saya merasa itu adalah hal yang wajar karena pelajaran IPA sangat sulit dan bukan materi yang saya sukai                        |  |  |  |  |  |
| 10. | Saya berusaha menjaga konsistensi dalam belajar IPA meskipun ada banyak kesibukan lain di luar sekolah.                                                      |  |  |  |  |  |
| 11. | Saya tetap mempelajari materi pelajaran IPA meskipun tidak ada tugas atau ujian yang harus disiapkan                                                         |  |  |  |  |  |
| 12. | Saya selalu meluangkan waktu setiap hari untuk mengulang kembali materi IPA yang sudah dipelajari di kelas.                                                  |  |  |  |  |  |
| 13. | Saya hanya belajar IPA jika ada tugas atau ujian dan jarang melakukannya secara konsisten karena masih banyak mata pelajaran yang harus saya kerjakan.       |  |  |  |  |  |
| 14. | Jika guru memberikan tugas, saya segera mengerjakan.                                                                                                         |  |  |  |  |  |
| 15. | Saya selalu berusaha menyelesaikan tugas yang diberikan dengan tepat waktu dan memastikan semua bagian dikerjakan dengan baik.                               |  |  |  |  |  |
| 16. | Saya terkadang merasa kurang peduli dengan ketepatan jawaban dalam tugas, asalkan tugas tersebut selesai.                                                    |  |  |  |  |  |
| 17. | Saya sering menunda untuk mengerjakan tugas IPA sampai mendekati waktu mengumpulkan tugas.                                                                   |  |  |  |  |  |
| 18. | Saya sering mencari sumber belajar tambahan, seperti buku atau video online untuk memperdalam pemahaman saya tentang pelajaran IPA.                          |  |  |  |  |  |
| 19. | Saya merasa tertarik untuk menjelajahi berbagai materi di luar pelajaran IPA yang diajarkan di kelas agar lebih menguasai topik-topik tersebut.              |  |  |  |  |  |
| 20. | Ketika menemukan konsep IPA yang sulit, saya berusaha mencari penjelasan tambahan melalui video pembelajaran, aplikasi edukasi, atau sumber belajar lainnya. |  |  |  |  |  |
| 21. | Saya jarang mencari sumber belajar tambahan karena merasa cukup dengan materi yang diberikan di kelas saja.                                                  |  |  |  |  |  |
| 22. | Saya lebih memilih untuk menunggu guru atau teman yang memberikan penjelasan tambahan, daripada mencari sendiri sumber belajar tambahan.                     |  |  |  |  |  |
| 23. | Ketika guru memberikan tugas diskusi, saya dengan senang hati berpartisipasi untuk memahami topik IPA secara lebih mendalam.                                 |  |  |  |  |  |

|     |                                                                                                                             |  |  |  |  |  |
|-----|-----------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|
| 24. | Saya memanfaatkan setiap kesempatan untuk bertanya kepada guru atau teman ketika saya kurang memahami suatu topik IPA.      |  |  |  |  |  |
| 25. | Saya tidak mau mengemukakan pendapat jika guru tidak menyuruhnya                                                            |  |  |  |  |  |
| 26. | Saya jarang memulai diskusi saat guru memberikan permasalahan IPA, karena menunggu teman lain yang memulai terlebih dahulu. |  |  |  |  |  |
| 27. | Saya selalu berusaha menyelesaikan soal IPA yang sulit meskipun membutuhkan waktu lebih lama untuk memahaminya.             |  |  |  |  |  |
| 28. | Ketika menghadapi materi IPA yang sulit, saya tetap yakin bahwa saya bisa memahaminya dengan belajar lebih giat.            |  |  |  |  |  |
| 29. | Saya cenderung menghindari tugas-tugas IPA yang menurut saya sulit karena merasa tidak mampu menyelesaikannya.              |  |  |  |  |  |
| 30. | Ketika menemukan soal sulit, saya lebih baik mencontek jawaban teman dari pada mencarinya di buku atau sumber lain.         |  |  |  |  |  |





## Lampiran 18

### DATA MOTIVASI BELAJAR SISWA KELAS VIII

#### SMP NEGERI 1 SINGARAJA

| No  | Nama Responden              | Item Pertanyaan |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
|-----|-----------------------------|-----------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
|     |                             | 1               | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1.  | Gede Bimandya Manugraha     | 1               | 4 | 2 | 3 | 3 | 3 | 4 | 2 | 2 | 2  | 3  | 3  | 3  | 5  | 2  | 2  |
| 2.  | Dewa Gede Satria Pratama    | 5               | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 3 | 3  | 3  | 4  | 4  | 5  | 5  | 4  |
| 3.  | Putu Laksmi Prashanti Murti | 5               | 2 | 3 | 3 | 2 | 4 | 5 | 1 | 3 | 2  | 2  | 2  | 3  | 5  | 2  | 2  |
| 4.  | Komang Resa Triastini       | 1               | 1 | 2 | 3 | 1 | 1 | 2 | 1 | 2 | 2  | 1  | 1  | 1  | 1  | 2  | 3  |
| 5.  | Kadek Kanaya Dwiantari      | 5               | 5 | 5 | 5 | 5 | 2 | 2 | 5 | 3 | 2  | 2  | 2  | 2  | 3  | 3  | 2  |
| 6.  | Wayan Wiksamana             | 2               | 1 | 2 | 2 | 3 | 3 | 4 | 3 | 3 | 3  | 2  | 2  | 2  | 3  | 2  | 3  |
| 7.  | I Gusti Ayu Nia Anggiswari  | 4               | 4 | 3 | 3 | 2 | 5 | 4 | 1 | 1 | 1  | 3  | 3  | 3  | 4  | 2  | 3  |
| 8.  | Komang Andhika Artha        | 4               | 3 | 4 | 3 | 2 | 3 | 2 | 3 | 2 | 3  | 2  | 3  | 2  | 3  | 4  | 2  |
| 9.  | Made Dinda Oktareni         | 4               | 4 | 3 | 3 | 3 | 4 | 4 | 3 | 3 | 2  | 3  | 2  | 2  | 4  | 4  | 3  |
| 10. | Gede Arya Kinandana         | 4               | 4 | 4 | 2 | 1 | 4 | 3 | 2 | 3 | 3  | 2  | 2  | 2  | 5  | 2  | 3  |
| 11. | Komang Andre Armawan        | 4               | 5 | 1 | 2 | 2 | 2 | 2 | 5 | 3 | 1  | 1  | 1  | 2  | 3  | 2  | 1  |
| 12. | Made Agung Yoga Kepakisan   | 3               | 4 | 2 | 2 | 2 | 3 | 4 | 3 | 2 | 3  | 2  | 2  | 2  | 2  | 4  | 3  |
| 13. | Ahmad Faizal Hermawan       | 5               | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 4 | 4  | 5  | 5  | 4  | 4  | 2  | 2  |
| 14. | Hika Ulani Asril            | 5               | 5 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 4  | 3  | 2  | 2  | 5  | 5  | 3  |
| 15. | Putu Ardianti Pramestya     | 4               | 3 | 3 | 4 | 5 | 4 | 3 | 4 | 5 | 5  | 3  | 3  | 3  | 3  | 3  | 4  |
| 16. | Gusti Ayu Byan Alike        | 4               | 3 | 2 | 2 | 3 | 3 | 4 | 3 | 3 | 3  | 3  | 3  | 3  | 3  | 4  | 3  |
| 17. | Gede Dipha Pradnyana Putra  | 4               | 2 | 3 | 3 | 5 | 3 | 4 | 2 | 2 | 5  | 5  | 5  | 3  | 5  | 5  | 1  |
| 18. | Kadek Nicko Ary Putra       | 3               | 3 | 3 | 3 | 1 | 2 | 1 | 3 | 3 | 2  | 1  | 2  | 2  | 1  | 1  | 3  |
| 19. | Vincent Janitra Kastara     | 2               | 2 | 3 | 2 | 2 | 3 | 1 | 3 | 2 | 3  | 2  | 2  | 2  | 1  | 1  | 2  |
| 20. | Putu Citra Okta Riani       | 3               | 2 | 3 | 1 | 1 | 3 | 2 | 1 | 1 | 3  | 2  | 1  | 2  | 4  | 1  | 1  |
| 21. | Putu Adyaksa Paska Antara   | 3               | 3 | 4 | 3 | 3 | 5 | 3 | 2 | 2 | 3  | 2  | 3  | 3  | 2  | 2  | 2  |
| 22. | Alvino Putra Pratama        | 4               | 1 | 2 | 2 | 1 | 3 | 2 | 2 | 1 | 1  | 3  | 2  | 2  | 5  | 5  | 1  |

| No  | Nama Responden              | Item Pertanyaan |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
|-----|-----------------------------|-----------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
|     |                             | 1               | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 23. | Ida Ayu Ambalika Raina      | 4               | 5 | 5 | 3 | 4 | 3 | 4 | 4 | 3 | 3  | 4  | 3  | 3  | 5  | 5  | 3  |
| 24. | Kadek Devika Nalini Sarisha | 4               | 4 | 2 | 2 | 2 | 4 | 3 | 3 | 3 | 3  | 1  | 3  | 1  | 4  | 4  | 2  |
| 25. | I Made Balapradana Saskara  | 4               | 5 | 2 | 2 | 2 | 3 | 2 | 4 | 3 | 3  | 1  | 3  | 3  | 5  | 2  | 3  |
| 26. | Ni Nyoman Prabhayanti       | 1               | 2 | 2 | 3 | 2 | 2 | 2 | 3 | 2 | 3  | 2  | 2  | 2  | 3  | 2  | 2  |
| 27. | Komang Aina Candra Estonia  | 2               | 4 | 3 | 3 | 2 | 2 | 3 | 2 | 2 | 2  | 4  | 2  | 2  | 3  | 3  | 3  |
| 28. | I Gede Manu Sharan          | 5               | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4  | 4  | 5  | 5  | 5  | 5  | 5  |
| 29. | Gede Putra Sujana Yasa      | 3               | 4 | 2 | 3 | 1 | 3 | 2 | 4 | 2 | 3  | 3  | 3  | 5  | 5  | 4  | 3  |
| 30. | Bunga Satya Pancali         | 5               | 5 | 5 | 5 | 2 | 3 | 3 | 2 | 1 | 1  | 3  | 3  | 1  | 2  | 1  | 3  |
| 31. | Komang Ulan Juniantari      | 3               | 2 | 3 | 3 | 2 | 3 | 3 | 3 | 1 | 3  | 3  | 1  | 1  | 4  | 1  | 3  |
| 32. | Putu Letisya Dwi Oktaviani  | 5               | 3 | 4 | 4 | 3 | 3 | 3 | 4 | 5 | 4  | 5  | 2  | 3  | 3  | 4  | 3  |
| 33. | I Kadek Ngurah Manu         | 1               | 1 | 1 | 1 | 3 | 2 | 3 | 3 | 3 | 2  | 3  | 3  | 1  | 1  | 1  | 2  |
| 34. | Made Devi Dwivayanti        | 5               | 3 | 4 | 2 | 2 | 2 | 1 | 3 | 1 | 1  | 1  | 4  | 1  | 1  | 1  | 3  |
| 35. | Ida Ayu Kade Nandia Putri   | 2               | 4 | 2 | 3 | 2 | 3 | 3 | 2 | 4 | 3  | 2  | 2  | 4  | 4  | 4  | 2  |
| 36. | Putu Marven Satria Wibawa   | 3               | 1 | 2 | 2 | 1 | 1 | 3 | 2 | 2 | 3  | 3  | 2  | 1  | 2  | 1  | 1  |
| 37. | Najirah Hazifah             | 4               | 4 | 4 | 3 | 4 | 4 | 4 | 2 | 3 | 3  | 3  | 4  | 4  | 4  | 4  | 4  |
| 38. | Gede Dharma Putra Wijaya F. | 4               | 4 | 2 | 1 | 1 | 3 | 2 | 2 | 2 | 2  | 2  | 2  | 4  | 4  | 2  | 2  |
| 39. | Nyoman Dinda Hasti          | 1               | 1 | 2 | 1 | 1 | 5 | 3 | 3 | 2 | 4  | 2  | 2  | 2  | 5  | 2  | 2  |
| 40. | Bagus Made Udayana          | 1               | 2 | 2 | 2 | 2 | 2 | 1 | 4 | 4 | 5  | 5  | 3  | 4  | 4  | 5  | 2  |
| 41. | Putu Wilma Danuarsa         | 4               | 4 | 3 | 3 | 1 | 1 | 2 | 2 | 2 | 2  | 1  | 1  | 3  | 3  | 2  | 2  |
| 42. | Putu Hinnant Deva Adnyana   | 4               | 4 | 3 | 2 | 3 | 1 | 1 | 1 | 1 | 2  | 3  | 2  | 3  | 3  | 3  | 3  |
| 43. | I Made Teguh Aditya Suputra | 5               | 5 | 5 | 5 | 5 | 3 | 3 | 3 | 3 | 4  | 3  | 4  | 4  | 3  | 3  | 3  |
| 44. | Luh Merta Darmiasih         | 1               | 4 | 2 | 2 | 2 | 3 | 3 | 2 | 2 | 3  | 1  | 1  | 3  | 2  | 2  | 2  |
| 45. | Komang Rudi Manik           | 2               | 4 | 2 | 1 | 3 | 4 | 3 | 1 | 1 | 2  | 4  | 3  | 2  | 4  | 2  | 2  |
| 46. | Marwanda Fatyah             | 3               | 4 | 4 | 5 | 5 | 4 | 4 | 4 | 4 | 3  | 3  | 5  | 4  | 4  | 4  | 4  |
| 47. | Ida Ayu Made Jeniari        | 4               | 4 | 2 | 3 | 3 | 3 | 2 | 3 | 2 | 1  | 3  | 3  | 2  | 2  | 2  | 3  |
| 48. | Komang Triana Prabhawati    | 4               | 2 | 4 | 4 | 2 | 2 | 2 | 2 | 2 | 1  | 3  | 3  | 4  | 4  | 1  | 3  |
| 49. | Putu Dila Prabawati         | 2               | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3  | 2  | 3  | 1  | 1  | 2  | 1  |

| No  | Nama Responden              | Item Pertanyaan |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
|-----|-----------------------------|-----------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
|     |                             | 1               | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 50. | Raihan Putra Octaviandra    | 4               | 4 | 5 | 3 | 4 | 4 | 4 | 4 | 3 | 3  | 2  | 3  | 3  | 5  | 3  | 3  |
| 51. | Kadek Dwi Laksmi Pratiwi    | 3               | 4 | 4 | 2 | 2 | 1 | 3 | 1 | 1 | 4  | 4  | 3  | 2  | 1  | 2  | 3  |
| 52. | Kadek Dharwin Dwipayana     | 3               | 3 | 3 | 2 | 2 | 1 | 3 | 2 | 2 | 2  | 2  | 2  | 2  | 2  | 1  | 1  |
| 53. | Putu Ellya Putri Sanjaya    | 4               | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 4 | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 54. | I Dewa Putu Ananda          | 3               | 3 | 3 | 2 | 2 | 3 | 3 | 2 | 4 | 3  | 2  | 2  | 2  | 4  | 2  | 3  |
| 55. | Kadek Rendy Martadinata     | 1               | 4 | 2 | 1 | 3 | 3 | 5 | 1 | 2 | 2  | 1  | 3  | 3  | 4  | 3  | 3  |
| 56. | Gede Krisna Aldiano         | 4               | 5 | 3 | 2 | 2 | 2 | 4 | 1 | 1 | 1  | 1  | 2  | 3  | 4  | 3  | 3  |
| 57. | Made Anantha Wijaya         | 3               | 2 | 3 | 2 | 2 | 2 | 2 | 3 | 2 | 3  | 2  | 2  | 2  | 2  | 2  | 3  |
| 58. | Thericia Ayya Kirana        | 4               | 2 | 3 | 1 | 3 | 3 | 2 | 3 | 1 | 1  | 3  | 2  | 2  | 1  | 2  | 1  |
| 59. | I Gede Dastan Pradanadyaksa | 3               | 5 | 2 | 2 | 3 | 3 | 4 | 3 | 1 | 4  | 3  | 2  | 3  | 3  | 2  | 1  |
| 60. | Putu Keira Manika Arpenitha | 1               | 1 | 3 | 2 | 2 | 2 | 1 | 3 | 3 | 3  | 3  | 1  | 2  | 1  | 1  | 3  |
| 61. | Putu Victoria Dewi Amiartha | 4               | 4 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 1  | 2  | 2  | 2  | 1  | 2  | 2  |
| 62. | Gede Smart Nataputra        | 4               | 4 | 4 | 2 | 2 | 4 | 3 | 2 | 2 | 2  | 3  | 3  | 3  | 3  | 2  | 2  |
| 63. | Putu Indah Permata Dewi     | 5               | 4 | 1 | 1 | 1 | 2 | 5 | 1 | 2 | 1  | 4  | 3  | 2  | 5  | 5  | 4  |
| 64. | Pasek Bagiada               | 2               | 5 | 3 | 2 | 2 | 1 | 1 | 3 | 3 | 4  | 2  | 3  | 3  | 2  | 2  | 3  |
| 65. | Ni Komang Ayu Badrasapna    | 1               | 4 | 1 | 5 | 1 | 4 | 5 | 1 | 2 | 1  | 4  | 3  | 2  | 5  | 5  | 5  |
| 66. | Gede Kenan Vedanara         | 4               | 4 | 2 | 2 | 2 | 4 | 1 | 2 | 2 | 4  | 2  | 3  | 3  | 5  | 4  | 1  |
| 67. | Herlin Cordelia             | 3               | 4 | 1 | 1 | 2 | 4 | 3 | 1 | 2 | 3  | 4  | 3  | 3  | 3  | 1  | 2  |
| 68. | Putu Rudy Wirasatya         | 4               | 4 | 3 | 2 | 3 | 2 | 4 | 3 | 2 | 4  | 3  | 3  | 2  | 5  | 3  | 4  |
| 69. | Surya Putra Wicaksana       | 3               | 2 | 4 | 3 | 1 | 2 | 2 | 2 | 2 | 1  | 1  | 1  | 1  | 2  | 2  | 3  |
| 70. | Ketut Rizki Wira Saputra    | 2               | 2 | 3 | 5 | 5 | 4 | 3 | 1 | 2 | 4  | 4  | 3  | 1  | 2  | 2  | 3  |
| 71. | Putu Nova Raditia Putra     | 4               | 4 | 2 | 3 | 1 | 2 | 2 | 1 | 1 | 3  | 2  | 3  | 1  | 1  | 2  | 3  |
| 72. | Kadek Citra Setyawati       | 4               | 4 | 4 | 4 | 2 | 3 | 3 | 4 | 2 | 2  | 2  | 4  | 5  | 2  | 4  | 2  |
| 73. | Gede Deric Krisna Wijaya    | 3               | 2 | 4 | 3 | 2 | 4 | 2 | 3 | 3 | 3  | 3  | 3  | 2  | 2  | 2  | 1  |
| 74. | Luh Putu Okta Devia Nalini  | 5               | 5 | 3 | 4 | 4 | 4 | 3 | 2 | 3 | 2  | 3  | 3  | 4  | 5  | 5  | 3  |
| 75. | Ni Putu Junvilia Marwina    | 1               | 4 | 1 | 3 | 2 | 3 | 5 | 1 | 3 | 2  | 2  | 3  | 3  | 2  | 2  | 3  |
| 76. | I Gusti Agung Radea Suma    | 4               | 4 | 2 | 3 | 3 | 3 | 3 | 3 | 1 | 4  | 2  | 3  | 2  | 3  | 4  | 1  |

| No   | Nama Responden               | Item Pertanyaan |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
|------|------------------------------|-----------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
|      |                              | 1               | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 77.  | Kadek Jasline Puspita        | 1               | 4 | 2 | 3 | 2 | 2 | 5 | 3 | 3 | 3  | 4  | 4  | 2  | 2  | 4  | 3  |
| 78.  | Komang Sintia Alrista Dewi   | 3               | 1 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 2  | 4  | 3  | 3  | 3  | 2  | 1  |
| 79.  | Komang Desta Ananta          | 4               | 4 | 2 | 3 | 2 | 3 | 3 | 3 | 1 | 3  | 2  | 3  | 2  | 3  | 5  | 1  |
| 80.  | Ni Kadek Selsia Mira Indira  | 1               | 5 | 4 | 2 | 2 | 4 | 4 | 2 | 2 | 1  | 4  | 3  | 1  | 5  | 5  | 3  |
| 81.  | Caga Sippadewi               | 5               | 5 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5  | 5  | 4  | 3  | 2  | 1  | 3  |
| 82.  | Putu Kirana Odelia Pradnyan  | 4               | 1 | 1 | 2 | 3 | 2 | 2 | 2 | 3 | 2  | 3  | 3  | 3  | 3  | 4  | 4  |
| 83.  | Desak Putu Eka Ari Sintya    | 3               | 2 | 1 | 3 | 1 | 1 | 1 | 3 | 1 | 3  | 1  | 2  | 1  | 1  | 1  | 1  |
| 84.  | Putu Meisya Pradnya          | 4               | 4 | 1 | 3 | 1 | 3 | 1 | 1 | 1 | 5  | 2  | 2  | 2  | 4  | 4  | 5  |
| 85.  | Ni Kadek Callysta Ananda     | 5               | 4 | 2 | 2 | 2 | 3 | 2 | 3 | 2 | 3  | 2  | 2  | 1  | 4  | 4  | 2  |
| 86.  | Sifra Jelita                 | 5               | 4 | 1 | 2 | 1 | 4 | 1 | 2 | 3 | 3  | 3  | 2  | 2  | 3  | 3  | 3  |
| 87.  | Made Dinda Sastra Yuliantari | 2               | 4 | 2 | 4 | 4 | 2 | 3 | 2 | 1 | 2  | 2  | 2  | 4  | 5  | 4  | 2  |
| 88.  | Ni Komang Risna Ari Santi    | 1               | 4 | 3 | 2 | 1 | 3 | 4 | 3 | 1 | 2  | 2  | 2  | 2  | 3  | 3  | 3  |
| 89.  | Luh Devika Putri Yuningsih   | 2               | 4 | 2 | 2 | 3 | 2 | 3 | 2 | 2 | 2  | 2  | 2  | 2  | 4  | 4  | 3  |
| 90.  | Ni Made Ayu Kalyani          | 1               | 1 | 2 | 4 | 2 | 2 | 2 | 2 | 3 | 2  | 2  | 2  | 3  | 3  | 3  | 3  |
| 91.  | I Putu Aditya Pratama        | 4               | 4 | 3 | 3 | 1 | 3 | 1 | 1 | 4 | 2  | 2  | 2  | 2  | 4  | 4  | 3  |
| 92.  | Putu Anindya Nararya Putri   | 3               | 4 | 1 | 3 | 3 | 2 | 2 | 1 | 1 | 3  | 3  | 2  | 2  | 3  | 3  | 2  |
| 93.  | Ni Luh Intan Darmawati       | 2               | 3 | 2 | 2 | 2 | 2 | 4 | 3 | 3 | 3  | 1  | 2  | 2  | 2  | 1  | 3  |
| 94.  | Michael Oktavian Sutrisna    | 4               | 3 | 3 | 3 | 1 | 3 | 4 | 3 | 3 | 4  | 2  | 3  | 1  | 4  | 3  | 2  |
| 95.  | Gede Bagus Pradipta Kusuma   | 4               | 3 | 3 | 3 | 1 | 3 | 4 | 2 | 2 | 4  | 3  | 3  | 2  | 5  | 5  | 3  |
| 96.  | Ni Luh Ameliya Mellayanti    | 1               | 2 | 2 | 2 | 3 | 1 | 1 | 1 | 1 | 2  | 3  | 3  | 2  | 1  | 2  | 2  |
| 97.  | Gede Narendra Janadhipa      | 2               | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 1 | 3  | 1  | 1  | 1  | 2  | 2  | 2  |
| 98.  | Putu Gita Wangi Sedana Putri | 5               | 4 | 2 | 3 | 3 | 5 | 4 | 2 | 1 | 3  | 3  | 2  | 2  | 4  | 5  | 2  |
| 99.  | Gede Charlee Ersaputra       | 4               | 3 | 3 | 3 | 4 | 5 | 1 | 3 | 3 | 2  | 2  | 3  | 3  | 4  | 3  | 2  |
| 100. | Made Vino Tatagatha Andika   | 3               | 4 | 2 | 1 | 4 | 3 |   | 2 | 2 | 3  | 3  | 3  | 2  | 5  | 4  | 3  |
| 101. | Ketut Bagas Adi Putra        | 5               | 5 | 5 | 5 | 4 | 4 | 5 | 4 | 3 | 4  | 3  | 2  | 4  | 1  | 4  | 4  |
| 102. | I Made Dhika Mahayana        | 4               | 1 | 2 | 1 | 1 | 3 | 2 | 3 | 2 | 3  | 3  | 3  | 2  | 5  | 5  | 3  |
| 103. | Putu Apsari Adesta Putri     | 5               | 3 | 4 | 4 | 5 | 4 | 5 | 3 | 4 | 4  | 5  | 3  | 2  | 3  | 2  | 3  |

| No   | Nama Responden               | Item Pertanyaan |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
|------|------------------------------|-----------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
|      |                              | 1               | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 104. | Kadek Setia Putra Sena       | 5               | 4 | 3 | 2 | 1 | 2 | 3 | 3 | 1 | 4  | 1  | 1  | 3  | 4  | 4  | 2  |
| 105. | Nyoman Nararya Yogiswara     | 5               | 4 | 2 | 1 | 3 | 1 | 1 | 1 | 3 | 4  | 4  | 3  | 3  | 3  | 3  | 3  |
| 106. | Ni Komang Tasya Septia       | 2               | 3 | 3 | 2 | 1 | 3 | 5 | 1 | 2 | 2  | 3  | 1  | 1  | 3  | 4  | 1  |
| 107. | Erika Anindia Putri          | 1               | 5 | 1 | 1 | 2 | 3 | 5 | 3 | 2 | 2  | 1  | 2  | 2  | 3  | 4  | 4  |
| 108. | Kadek Puspa Widiani          | 3               | 4 | 2 | 2 | 1 | 3 | 3 | 1 | 1 | 3  | 3  | 3  | 2  | 3  | 4  | 1  |
| 109. | Kadek Ari Juni Asrini        | 3               | 3 | 3 | 1 | 2 | 3 | 3 | 2 | 2 | 2  | 2  | 2  | 2  | 3  | 4  | 3  |
| 110. | Rizky Pratama Saputra        | 5               | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 2 | 2  | 2  | 2  | 2  | 4  | 4  | 2  |
| 111. | I Kadek Agus Adi Muliawan    | 1               | 5 | 3 | 1 | 1 | 1 | 1 | 1 | 4 | 1  | 3  | 1  | 1  | 3  | 5  | 1  |
| 112. | Kadek Nindy Angelina         | 5               | 5 | 4 | 4 | 4 | 5 | 5 | 3 | 3 | 5  | 4  | 3  | 3  | 3  | 5  | 4  |
| 113. | Putu Sri Natha Zahradewi     | 4               | 4 | 3 | 4 | 5 | 3 | 4 | 4 | 4 | 4  | 5  | 5  | 4  | 3  | 3  | 3  |
| 114. | Made Karissa Dwi Anika       | 4               | 4 | 3 | 3 | 2 | 4 | 5 | 3 | 5 | 5  | 5  | 5  | 2  | 3  | 3  | 3  |
| 115. | Pande Putu Eka Wiri Satriaji | 4               | 3 | 3 | 1 | 1 | 2 | 5 | 1 | 1 | 3  | 1  | 1  | 1  | 4  | 5  | 2  |
| 116. | Kadek Manik Pradnya          | 3               | 2 | 1 | 1 | 2 | 3 | 3 | 2 | 2 | 1  | 2  | 2  | 3  | 3  | 2  | 2  |
| 117. | Kadek Devi Merte Sari        | 4               | 4 | 1 | 2 | 2 | 3 | 1 | 1 | 1 | 3  | 3  | 3  | 1  | 5  | 1  | 2  |
| 118. | Gede Agus Indra Putra        | 1               | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 2  | 2  | 2  | 3  | 3  | 3  | 3  |
| 119. | Tjhie Shu Fen                | 5               | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 5  | 5  | 3  | 3  | 3  | 4  | 5  |
| 120. | I Gusti Agus Putu Danu       | 3               | 4 | 2 | 2 | 3 | 4 | 3 | 2 | 2 | 2  | 3  | 3  | 1  | 1  | 1  | 2  |
| 121. | Ahmad Firdaus Habibi         | 4               | 5 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 3  | 3  | 1  | 3  | 4  | 4  | 1  |
| 122. | Made Elvin Suryadhi Pratama  | 1               | 3 | 1 | 1 | 2 | 2 | 2 | 1 | 1 | 2  | 2  | 2  | 1  | 5  | 2  | 1  |
| 123. | Dery Septiyan Virgalis       | 4               | 4 | 3 | 2 | 4 | 2 | 2 | 1 | 3 | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 124. | Gilang Arya Kusuma           | 4               | 4 | 4 | 3 | 3 | 2 | 2 | 2 | 2 | 2  | 2  | 3  | 3  | 3  | 3  | 2  |
| 125. | Ketut Bagus Juliantara       | 1               | 1 | 1 | 3 | 3 | 1 | 1 | 1 | 1 | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 126. | Tirta Kusuma Wijaya          | 5               | 4 | 1 | 1 | 5 | 3 | 5 | 4 | 2 | 2  | 1  | 1  | 3  | 4  | 5  | 3  |
| 127. | Putu Gede Kayana Aditya      | 3               | 4 | 3 | 1 | 1 | 3 | 4 | 3 | 3 | 3  | 2  | 4  | 2  | 3  | 4  | 4  |
| 128. | Kadek Edin Sindu Prananda    | 4               | 1 | 1 | 1 | 2 | 2 | 3 | 1 | 2 | 3  | 3  | 2  | 4  | 2  | 2  | 2  |
| 129. | I Ketut Bhaskara Wikananda   | 5               | 5 | 5 | 5 | 5 | 5 | 2 | 2 | 2 | 3  | 2  | 3  | 3  | 2  | 2  | 4  |
| 130. | Auliana Hafizah              | 4               | 2 | 4 | 2 | 2 | 4 | 2 | 2 | 1 | 2  | 2  | 3  | 2  | 5  | 4  | 2  |



| No   | Nama Responden                | Item Pertanyaan |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
|------|-------------------------------|-----------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
|      |                               | 1               | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 131. | I Gede Arist Pradevtha Putra  | 4               | 4 | 4 | 1 | 4 | 3 | 3 | 2 | 2 | 1  | 2  | 2  | 2  | 2  | 1  | 1  |
| 132. | I Gusti Ayu Diah Candra Sri   | 4               | 4 | 4 | 3 | 4 | 5 | 4 | 3 | 4 | 3  | 3  | 4  | 2  | 3  | 4  | 4  |
| 133. | Jason Tantrawan               | 3               | 4 | 2 | 2 | 1 | 3 | 1 | 3 | 2 | 5  | 1  | 1  | 1  | 2  | 3  | 2  |
| 134. | Laura Sabrina Afrilia         | 2               | 1 | 1 | 3 | 3 | 2 | 3 | 3 | 1 | 2  | 3  | 2  | 2  | 3  | 3  | 3  |
| 135. | Ni Made Ryanti Diwantari      | 3               | 3 | 1 | 3 | 3 | 2 | 2 | 2 | 2 | 1  | 1  | 1  | 1  | 2  | 4  | 2  |
| 136. | Kadek Reza Dwi Permana        | 4               | 4 | 2 | 3 | 1 | 3 | 3 | 2 | 2 | 1  | 1  | 1  | 1  | 2  | 2  | 3  |
| 137. | Assifa Maulidia               | 1               | 1 | 1 | 3 | 3 | 1 | 1 | 1 | 2 | 1  | 1  | 2  | 1  | 1  | 1  | 3  |
| 138. | Putu Alvin Suryadha Pratama   | 5               | 5 | 5 | 5 | 5 | 5 | 3 | 2 | 2 | 3  | 3  | 2  | 3  | 3  | 3  | 4  |
| 139. | Gede Wira Darma Oka           | 5               | 5 | 3 | 1 | 3 | 4 | 1 | 1 | 1 | 2  | 2  | 3  | 3  | 4  | 5  | 3  |
| 140. | Kadek Putri Sejati            | 3               | 5 | 1 | 3 | 5 | 5 | 5 | 5 | 3 | 4  | 4  | 4  | 5  | 5  | 5  | 1  |
| 141. | I Komang Artha Wiguna         | 2               | 2 | 1 | 3 | 2 | 2 | 2 | 3 | 4 | 2  | 2  | 2  | 1  | 1  | 2  | 3  |
| 142. | Luh Eledy Sanyaka             | 3               | 4 | 3 | 3 | 3 | 4 | 5 | 3 | 1 | 2  | 4  | 5  | 4  | 3  | 2  | 5  |
| 143. | Kadek Hervina Purnama         | 3               | 4 | 3 | 4 | 3 | 3 | 2 | 3 | 3 | 1  | 3  | 2  | 2  | 2  | 4  | 3  |
| 144. | Putu Adi Susila Darma Yoga    | 1               | 3 | 1 | 1 | 1 | 3 | 2 | 2 | 2 | 3  | 2  | 2  | 2  | 2  | 3  | 2  |
| 145. | Komang Aditya Cassanova       | 4               | 5 | 2 | 4 | 4 | 4 | 4 | 4 | 2 | 4  | 4  | 3  | 3  | 4  | 4  | 2  |
| 146. | Ida Ayu Febina Santiani Putri | 4               | 5 | 4 | 4 | 4 | 5 | 4 | 5 | 3 | 4  | 4  | 4  | 2  | 4  | 4  | 3  |
| 147. | Ida Ayu Putu Dika Divya       | 1               | 4 | 2 | 3 | 2 | 3 | 3 | 2 | 1 | 3  | 2  | 3  | 3  | 4  | 4  | 4  |
| 148. | I Gusti Ayu Agung Princessa   | 3               | 2 | 2 | 1 | 3 | 2 | 2 | 3 | 2 | 3  | 1  | 1  | 1  | 2  | 2  | 4  |
| 149. | Faylinn Andrea Susilo         | 2               | 4 | 1 | 3 | 2 | 2 | 3 | 3 | 2 | 2  | 2  | 3  | 4  | 3  | 3  | 3  |
| 150. | Kadek Vidya Aleyna Resanti    | 5               | 4 | 5 | 5 | 5 | 5 | 4 | 4 | 5 | 5  | 5  | 5  | 3  | 2  | 3  | 3  |
| 151. | I Gusti Ayu Dinda Surya       | 4               | 2 | 2 | 2 | 2 | 2 | 1 | 3 | 2 | 2  | 2  | 3  | 3  | 3  | 3  | 2  |
| 152. | Kadek Krisna Dwipayana        | 1               | 3 | 1 | 2 | 1 | 1 | 4 | 2 | 1 | 1  | 2  | 3  | 1  | 1  | 2  | 3  |
| 153. | Putu Keysha Diandra           | 5               | 5 | 4 | 5 | 5 | 5 | 4 | 3 | 4 | 3  | 4  | 3  | 4  | 4  | 4  | 5  |
| 154. | I Kadek Sidhi Mardha Yudha    | 5               | 5 | 3 | 3 | 3 | 5 | 5 | 4 | 5 | 4  | 3  | 4  | 3  | 3  | 5  | 3  |
| 155. | Nyoman Varuna Arya            | 1               | 2 | 3 | 1 | 1 | 1 | 4 | 3 | 2 | 2  | 2  | 2  | 3  | 3  | 1  | 1  |
| 156. | Ni Made Nadya Dwita Sari      | 5               | 5 | 4 | 3 | 3 | 5 | 5 | 5 | 5 | 4  | 5  | 3  | 4  | 4  | 5  | 4  |
| 157. | Kadek Chanda Iswarani         | 5               | 5 | 5 | 3 | 2 | 5 | 5 | 3 | 5 | 3  | 3  | 3  | 4  | 4  | 5  | 5  |

| No   | Nama Responden               | Item Pertanyaan |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
|------|------------------------------|-----------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
|      |                              | 1               | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 158. | Kadek Wira Ega Nanta         | 4               | 4 | 2 | 2 | 2 | 4 | 1 | 2 | 2 | 4  | 4  | 4  | 5  | 4  | 4  | 2  |
| 159. | Putu Trisna Kusuma           | 5               | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 5 | 5  | 5  | 5  | 4  | 5  | 5  | 4  |
| 160. | Ni Komang Santhi Devi        | 5               | 4 | 3 | 4 | 3 | 4 | 5 | 3 | 4 | 4  | 5  | 3  | 4  | 4  | 5  | 2  |
| 161. | Ida Ayu Ambika Putri         | 5               | 5 | 5 | 4 | 4 | 5 | 5 | 4 | 4 | 5  | 5  | 5  | 5  | 5  | 5  | 4  |
| 162. | Ni Putu Sarisha Alvina       | 4               | 4 | 1 | 1 | 1 | 1 | 1 | 2 | 3 | 2  | 2  | 2  | 3  | 1  | 1  | 2  |
| 163. | Komang Riski Ariawan         | 2               | 2 | 2 | 1 | 3 | 1 | 1 | 1 | 1 | 1  | 2  | 1  | 2  | 2  | 2  | 3  |
| 164. | I Nyoman Devata Primadana    | 4               | 4 | 2 | 2 | 1 | 3 | 2 | 3 | 2 | 3  | 3  | 3  | 3  | 3  | 3  | 4  |
| 165. | Dewa Kadek Devin Arta        | 1               | 4 | 1 | 1 | 3 | 1 | 1 | 4 | 3 | 2  | 1  | 3  | 3  | 4  | 4  | 2  |
| 166. | Komang Della Sivanina        | 5               | 4 | 1 | 4 | 5 | 4 | 4 | 4 | 4 | 4  | 4  | 4  | 4  | 4  | 4  | 4  |
| 167. | Made Damar Putra Ariawan     | 3               | 1 | 2 | 1 | 1 | 3 | 1 | 1 | 2 | 3  | 2  | 3  | 1  | 4  | 4  | 5  |
| 168. | Rastie Gayatri Putri Robin   | 1               | 1 | 1 | 1 | 1 | 2 | 3 | 3 | 3 | 3  | 2  | 1  | 1  | 1  | 2  | 1  |
| 169. | Ni Made Notisa Angella Sary  | 5               | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 5  | 4  | 4  | 4  | 5  | 5  | 4  |
| 170. | Komang Tiara Laksmi Dewi     | 5               | 5 | 4 | 4 | 4 | 5 | 2 | 5 | 4 | 2  | 3  | 4  | 2  | 5  | 5  | 4  |
| 171. | Komang Tangkas Artana        | 4               | 3 | 2 | 1 | 1 | 1 | 2 | 3 | 4 | 2  | 3  | 1  | 4  | 3  | 3  | 1  |
| 172. | Putu Dena Tisya Kasih Sudira | 1               | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 3  | 4  | 4  | 2  | 2  | 2  |
| 173. | Nyoman Andini Ira Triani     | 4               | 3 | 2 | 2 | 3 | 4 | 4 | 1 | 3 | 3  | 3  | 3  | 3  | 2  | 2  | 2  |
| 174. | I Gusti Ngurah Bagus         | 2               | 4 | 2 | 2 | 2 | 3 | 3 | 2 | 2 | 4  | 3  | 1  | 1  | 4  | 4  | 3  |
| 175. | Kadek Chika Maria Trisna     | 1               | 1 | 2 | 2 | 1 | 1 | 1 | 2 | 2 | 2  | 2  | 1  | 1  | 1  | 2  | 2  |
| 176. | Gede Wahyu Yari Kusuma       | 5               | 2 | 3 | 4 | 4 | 5 | 3 | 5 | 5 | 4  | 4  | 4  | 3  | 4  | 3  | 2  |
| 177. | Dewa Ayu Sintia Devi Nida    | 1               | 3 | 3 | 2 | 2 | 2 | 2 | 1 | 1 | 3  | 3  | 3  | 1  | 2  | 3  | 1  |
| 178. | Desak Putu Anandita          | 5               | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 5 | 3  | 4  | 4  | 5  | 5  | 5  | 5  |
| 179. | Ketut Aprilian Dwi Permana   | 3               | 3 | 2 | 1 | 3 | 1 | 2 | 1 | 2 | 2  | 2  | 2  | 1  | 1  | 2  | 2  |
| 180. | Ni Luh Widi Sastrani         | 4               | 3 | 3 | 2 | 1 | 2 | 1 | 2 | 2 | 3  | 2  | 2  | 2  | 4  | 4  | 2  |
| 181. | Putu Anuradha Devicallysta   | 1               | 2 | 2 | 3 | 1 | 1 | 1 | 2 | 2 | 2  | 3  | 2  | 1  | 1  | 2  | 2  |
| 182. | Kadek Billy Lando            | 3               | 2 | 3 | 3 | 4 | 1 | 2 | 3 | 2 | 4  | 5  | 5  | 3  | 5  | 3  | 3  |
| 183. | Komang Krisnaditya Artha     | 4               | 4 | 3 | 2 | 3 | 3 | 3 | 2 | 2 | 1  | 3  | 3  | 2  | 1  | 1  | 1  |
| 184. | Ni Kadek Jenar Lakshmi       | 5               | 5 | 4 | 4 | 5 | 5 | 5 | 5 | 4 | 5  | 4  | 4  | 5  | 4  | 4  | 2  |

| No   | Nama Responden              | Item Pertanyaan |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
|------|-----------------------------|-----------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
|      |                             | 1               | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 185. | Kadek Widhiartama           | 1               | 4 | 1 | 3 | 1 | 3 | 1 | 1 | 3 | 2  | 2  | 1  | 5  | 1  | 1  | 2  |
| 186. | Putu Arya Manik Putrawan    | 4               | 4 | 4 | 2 | 2 | 4 | 3 | 3 | 2 | 2  | 2  | 2  | 2  | 2  | 4  | 2  |
| 187. | Kadek Wiswadwi Savitri      | 4               | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4  | 4  | 4  | 3  | 4  | 4  | 4  |
| 188. | Putu Kenzie Beatricia Parta | 3               | 3 | 2 | 1 | 4 | 3 | 3 | 1 | 2 | 1  | 3  | 3  | 2  | 4  | 4  | 2  |
| 189. | Kadek Pedrosa Sabda Atmaja  | 5               | 5 | 3 | 4 | 5 | 4 | 4 | 5 | 1 | 4  | 4  | 4  | 1  | 5  | 5  | 5  |
| 190. | Ketut Febriana Wahyuningsih | 3               | 3 | 5 | 4 | 3 | 2 | 3 | 2 | 3 | 5  | 3  | 4  | 2  | 3  | 2  | 2  |
| 191. | I Putu Justin Baruna Satya  | 4               | 4 | 1 | 3 | 3 | 3 | 2 | 1 | 3 | 1  | 3  | 2  | 2  | 4  | 4  | 3  |

| No  | Nama Responden              | Item Pertanyaan |    |    |    |    |    |    |    |    |    |    |    |    |    |       |
|-----|-----------------------------|-----------------|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|
|     |                             | 17              | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | Total |
| 1.  | Gede Bimandya Manugraha     | 2               | 4  | 3  | 2  | 2  | 2  | 2  | 3  | 3  | 3  | 4  | 2  | 2  | 2  | 80    |
| 2.  | Dewa Gede Satria Pratama    | 3               | 3  | 2  | 2  | 2  | 4  | 4  | 3  | 3  | 3  | 3  | 3  | 4  | 4  | 114   |
| 3.  | Putu Laksmi Prashanti Murti | 3               | 2  | 3  | 3  | 3  | 3  | 4  | 2  | 2  | 3  | 2  | 2  | 2  | 2  | 82    |
| 4.  | Komang Resa Triastini       | 2               | 3  | 1  | 1  | 3  | 2  | 2  | 2  | 2  | 2  | 3  | 2  | 3  | 3  | 56    |
| 5.  | Kadek Kanaya Dwiantari      | 3               | 3  | 4  | 3  | 3  | 3  | 3  | 3  | 3  | 2  | 2  | 4  | 4  | 3  | 96    |
| 6.  | Wayan Wiksamana             | 3               | 2  | 3  | 3  | 2  | 2  | 2  | 2  | 2  | 3  | 3  | 2  | 3  | 2  | 74    |
| 7.  | I Gusti Ayu Nia Anggiswari  | 5               | 2  | 2  | 2  | 3  | 3  | 2  | 3  | 3  | 2  | 4  | 2  | 2  | 3  | 84    |
| 8.  | Komang Andhika Artha        | 2               | 1  | 3  | 3  | 2  | 2  | 3  | 4  | 3  | 2  | 1  | 2  | 2  | 3  | 78    |
| 9.  | Made Dinda Oktareni         | 3               | 3  | 3  | 2  | 3  | 2  | 2  | 3  | 3  | 2  | 3  | 2  | 2  | 3  | 87    |
| 10. | Gede Arya Kinandana         | 3               | 3  | 1  | 2  | 1  | 1  | 2  | 1  | 2  | 3  | 1  | 2  | 2  | 2  | 72    |
| 11. | Komang Andre Armawan        | 2               | 4  | 3  | 2  | 4  | 4  | 4  | 4  | 4  | 2  | 3  | 2  | 2  | 3  | 80    |
| 12. | Made Agung Yoga Kepakisan   | 3               | 3  | 3  | 3  | 4  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 77    |
| 13. | Ahmad Faizal Hermawan       | 3               | 3  | 3  | 3  | 3  | 2  | 2  | 2  | 4  | 3  | 3  | 3  | 3  | 2  | 90    |
| 14. | Hika Ulani Asril            | 2               | 2  | 3  | 2  | 3  | 3  | 3  | 2  | 3  | 3  | 2  | 4  | 3  | 4  | 85    |
| 15. | Putu Ardianti Pramestya     | 4               | 3  | 5  | 4  | 4  | 4  | 5  | 4  | 4  | 4  | 5  | 5  | 5  | 5  | 120   |
| 16. | Gusti Ayu Byan Alika        | 2               | 2  | 3  | 2  | 2  | 2  | 3  | 3  | 4  | 3  | 3  | 3  | 2  | 1  | 84    |
| 17. | Gede Dipha Pradnyana Putra  | 1               | 3  | 3  | 1  | 3  | 1  | 2  | 2  | 3  | 2  | 1  | 1  | 4  | 2  | 86    |

| No  | Nama Responden              | Item Pertanyaan |    |    |    |    |    |    |    |    |    |    |    |    |    |       |
|-----|-----------------------------|-----------------|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|
|     |                             | 17              | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | Total |
| 18. | Kadek Nicko Ary Putra       | 1               | 2  | 2  | 1  | 3  | 2  | 2  | 2  | 2  | 1  | 2  | 2  | 1  | 2  | 59    |
| 19. | Vincent Janitra Kastara     | 2               | 1  | 1  | 2  | 2  | 1  | 1  | 2  | 1  | 2  | 1  | 2  | 2  | 2  | 55    |
| 20. | Putu Citra Okta Riani       | 1               | 3  | 1  | 2  | 2  | 3  | 3  | 1  | 3  | 3  | 1  | 1  | 2  | 2  | 59    |
| 21. | Putu Adyaksa Paska Antara   | 3               | 2  | 4  | 3  | 2  | 2  | 2  | 4  | 3  | 2  | 2  | 2  | 4  | 3  | 83    |
| 22. | Alvino Putra Pratama        | 2               | 2  | 2  | 2  | 3  | 2  | 2  | 3  | 3  | 1  | 3  | 3  | 1  | 2  | 68    |
| 23. | Ida Ayu Ambalika Raina      | 5               | 4  | 4  | 4  | 5  | 5  | 3  | 4  | 5  | 3  | 5  | 5  | 5  | 4  | 122   |
| 24. | Kadek Devika Nalini Sarisha | 1               | 3  | 2  | 2  | 2  | 3  | 4  | 4  | 2  | 4  | 4  | 4  | 3  | 2  | 85    |
| 25. | I Made Balapradana Saskara  | 3               | 3  | 3  | 3  | 1  | 1  | 4  | 3  | 2  | 2  | 2  | 4  | 1  | 1  | 80    |
| 26. | Ni Nyoman Prabhayanti       | 1               | 1  | 1  | 1  | 1  | 1  | 3  | 2  | 2  | 1  | 2  | 2  | 1  | 2  | 56    |
| 27. | Komang Aina Candra Estonia  | 3               | 3  | 2  | 1  | 3  | 3  | 2  | 2  | 2  | 2  | 2  | 2  | 1  | 3  | 73    |
| 28. | I Gede Manu Sharan          | 5               | 5  | 2  | 3  | 3  | 3  | 4  | 4  | 3  | 2  | 3  | 4  | 4  | 4  | 125   |
| 29. | Gede Putra Sujana Yasa      | 3               | 4  | 2  | 4  | 4  | 4  | 3  | 4  | 3  | 4  | 3  | 3  | 3  | 2  | 96    |
| 30. | Bunga Satya Pancali         | 1               | 1  | 1  | 1  | 3  | 3  | 5  | 1  | 1  | 1  | 1  | 1  | 1  | 2  | 68    |
| 31. | Komang Ulan Juniantari      | 3               | 2  | 1  | 1  | 2  | 3  | 3  | 1  | 2  | 2  | 2  | 1  | 1  | 2  | 65    |
| 32. | Putu Letisya Dwi Oktaviani  | 4               | 4  | 3  | 3  | 3  | 3  | 3  | 2  | 2  | 2  | 2  | 2  | 2  | 3  | 96    |
| 33. | I Kadek Ngurah Manu         | 1               | 3  | 1  | 1  | 1  | 1  | 1  | 2  | 1  | 3  | 1  | 3  | 2  | 3  | 55    |
| 34. | Made Devi Dwivayanti        | 1               | 2  | 3  | 2  | 2  | 2  | 3  | 2  | 2  | 2  | 1  | 1  | 2  | 2  | 62    |
| 35. | Ida Ayu Kade Nandia Putri   | 2               | 3  | 3  | 3  | 3  | 1  | 1  | 3  | 3  | 3  | 2  | 2  | 2  | 3  | 80    |
| 36. | Putu Marven Satria Wibawa   | 1               | 3  | 2  | 2  | 2  | 1  | 1  | 1  | 2  | 3  | 1  | 1  | 1  | 2  | 53    |
| 37. | Najirah Hazifah             | 5               | 3  | 4  | 3  | 3  | 2  | 4  | 5  | 3  | 4  | 3  | 3  | 4  | 4  | 108   |
| 38. | Gede Dharma Putra Wijaya F. | 2               | 2  | 4  | 2  | 2  | 4  | 3  | 2  | 2  | 3  | 2  | 3  | 1  | 3  | 74    |
| 39. | Nyoman Dinda Hasti          | 2               | 1  | 1  | 1  | 2  | 3  | 3  | 3  | 3  | 3  | 2  | 2  | 3  | 2  | 69    |
| 40. | Bagus Made Udayana          | 1               | 1  | 1  | 1  | 3  | 4  | 3  | 3  | 2  | 2  | 5  | 1  | 2  | 2  | 79    |
| 41. | Putu Wilma Danuarsa         | 1               | 2  | 2  | 2  | 3  | 3  | 2  | 2  | 1  | 3  | 2  | 2  | 2  | 2  | 65    |
| 42. | Putu Hinnant Deva Adnyana   | 2               | 3  | 2  | 3  | 2  | 3  | 3  | 1  | 2  | 2  | 3  | 1  | 2  | 2  | 70    |
| 43. | I Made Teguh Aditya Suputra | 4               | 4  | 5  | 5  | 5  | 5  | 5  | 3  | 3  | 4  | 4  | 4  | 3  | 3  | 118   |
| 44. | Luh Merta Darmiasih         | 2               | 3  | 2  | 2  | 2  | 3  | 1  | 1  | 1  | 2  | 3  | 3  | 4  | 1  | 65    |

| No  | Nama Responden              | Item Pertanyaan |    |    |    |    |    |    |    |    |    |    |    |    |    |       |
|-----|-----------------------------|-----------------|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|
|     |                             | 17              | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | Total |
| 45. | Komang Rudi Manik           | 1               | 3  | 3  | 3  | 1  | 2  | 4  | 3  | 3  | 1  | 2  | 1  | 1  | 1  | 69    |
| 46. | Marwanda Fatyah             | 4               | 5  | 5  | 5  | 5  | 3  | 3  | 3  | 4  | 4  | 4  | 3  | 4  | 4  | 120   |
| 47. | Ida Ayu Made Jeniari        | 2               | 3  | 2  | 3  | 3  | 2  | 3  | 1  | 1  | 2  | 1  | 1  | 1  | 2  | 69    |
| 48. | Komang Triana Prabhawati    | 2               | 1  | 2  | 2  | 3  | 2  | 2  | 2  | 2  | 2  | 2  | 1  | 2  | 1  | 69    |
| 49. | Putu Dila Prabawati         | 2               | 2  | 3  | 3  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 1  | 1  | 1  | 58    |
| 50. | Raihan Putra Octaviandra    | 4               | 4  | 3  | 3  | 4  | 3  | 3  | 2  | 2  | 4  | 2  | 2  | 2  | 2  | 97    |
| 51. | Kadek Dwi Laksmi Pratiwi    | 1               | 1  | 3  | 1  | 2  | 2  | 2  | 2  | 2  | 2  | 3  | 2  | 2  | 3  | 68    |
| 52. | Kadek Dharwin Dwipayana     | 1               | 1  | 1  | 2  | 2  | 2  | 3  | 2  | 2  | 2  | 2  | 2  | 3  | 4  | 62    |
| 53. | Putu Ellya Putri Sanjaya    | 2               | 2  | 2  | 4  | 3  | 4  | 3  | 3  | 3  | 3  | 3  | 2  | 2  | 2  | 92    |
| 54. | I Dewa Putu Ananda          | 5               | 2  | 3  | 3  | 2  | 2  | 4  | 3  | 2  | 3  | 1  | 3  | 2  | 2  | 80    |
| 55. | Kadek Rendy Martadinata     | 2               | 3  | 2  | 3  | 2  | 3  | 3  | 3  | 2  | 2  | 3  | 4  | 3  | 2  | 78    |
| 56. | Gede Krisna Aldiano         | 3               | 2  | 3  | 4  | 2  | 2  | 3  | 3  | 2  | 2  | 3  | 3  | 3  | 3  | 79    |
| 57. | Made Anantha Wijaya         | 3               | 2  | 2  | 2  | 3  | 2  | 3  | 2  | 2  | 2  | 2  | 2  | 3  | 2  | 69    |
| 58. | Thericia Ayya Kirana        | 1               | 1  | 1  | 2  | 3  | 2  | 2  | 3  | 3  | 2  | 2  | 3  | 2  | 3  | 64    |
| 59. | I Gede Dastan Pradanadyaksa | 2               | 3  | 3  | 4  | 3  | 2  | 1  | 3  | 3  | 2  | 4  | 3  | 2  | 2  | 81    |
| 60. | Putu Keira Manika Arpenitha | 3               | 1  | 1  | 1  | 1  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 3  | 3  | 59    |
| 61. | Putu Victoria Dewi Amiartha | 2               | 2  | 2  | 2  | 2  | 2  | 2  | 1  | 1  | 2  | 3  | 3  | 2  | 2  | 60    |
| 62. | Gede Smart Nataputra        | 2               | 2  | 3  | 3  | 1  | 1  | 2  | 2  | 2  | 2  | 3  | 3  | 3  | 2  | 76    |
| 63. | Putu Indah Permata Dewi     | 2               | 3  | 3  | 3  | 3  | 4  | 4  | 3  | 2  | 2  | 3  | 1  | 2  | 2  | 83    |
| 64. | Pasek Bagiada               | 2               | 2  | 2  | 2  | 3  | 2  | 3  | 2  | 2  | 2  | 2  | 2  | 3  | 3  | 73    |
| 65. | Ni Komang Ayu Badrasapna    | 2               | 3  | 3  | 3  | 2  | 2  | 4  | 3  | 2  | 2  | 3  | 5  | 2  | 2  | 87    |
| 66. | Gede Kenan Vedanara         | 1               | 1  | 3  | 1  | 1  | 1  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 77    |
| 67. | Herlin Cordelia             | 5               | 1  | 4  | 1  | 3  | 5  | 4  | 3  | 2  | 2  | 2  | 3  | 3  | 1  | 79    |
| 68. | Putu Rudy Wirasatya         | 2               | 3  | 3  | 3  | 2  | 2  | 2  | 2  | 3  | 3  | 2  | 3  | 3  | 2  | 86    |
| 69. | Surya Putra Wicaksana       | 2               | 1  | 1  | 1  | 2  | 3  | 2  | 3  | 3  | 3  | 3  | 2  | 3  | 3  | 64    |
| 70. | Ketut Rizki Wira Saputra    | 3               | 3  | 3  | 2  | 2  | 2  | 3  | 2  | 2  | 3  | 3  | 3  | 3  | 3  | 83    |
| 71. | Putu Nova Raditia Putra     | 3               | 2  | 3  | 2  | 3  | 1  | 2  | 3  | 1  | 1  | 2  | 1  | 3  | 2  | 64    |



| No  | Nama Responden               | Item Pertanyaan |    |    |    |    |    |    |    |    |    |    |    |    |    |       |
|-----|------------------------------|-----------------|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|
|     |                              | 17              | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | Total |
| 72. | Kadek Citra Setyawati        | 3               | 1  | 2  | 2  | 3  | 3  | 2  | 2  | 2  | 4  | 3  | 4  | 4  | 3  | 89    |
| 73. | Gede Deric Krisna Wijaya     | 1               | 2  | 2  | 2  | 1  | 2  | 1  | 4  | 1  | 1  | 2  | 3  | 2  | 2  | 68    |
| 74. | Luh Putu Okta Devia Nalini   | 2               | 3  | 4  | 3  | 3  | 2  | 4  | 3  | 2  | 2  | 2  | 2  | 4  | 4  | 98    |
| 75. | Ni Putu Junvilia Marwina     | 4               | 4  | 3  | 1  | 2  | 2  | 2  | 3  | 3  | 3  | 4  | 4  | 2  | 2  | 79    |
| 76. | I Gusti Agung Radea Suma     | 3               | 1  | 2  | 2  | 4  | 3  | 2  | 2  | 2  | 3  | 3  | 4  | 2  | 2  | 80    |
| 77. | Kadek Jasline Puspita        | 3               | 3  | 4  | 3  | 2  | 4  | 2  | 2  | 3  | 3  | 4  | 3  | 3  | 3  | 89    |
| 78. | Komang Sintia Alrista Dewi   | 1               | 1  | 1  | 1  | 4  | 5  | 2  | 3  | 4  | 4  | 2  | 3  | 3  | 3  | 80    |
| 79. | Komang Desta Ananta          | 3               | 1  | 5  | 3  | 2  | 3  | 4  | 3  | 2  | 4  | 3  | 2  | 3  | 3  | 85    |
| 80. | Ni Kadek Selsia Mira Indira  | 3               | 4  | 2  | 2  | 4  | 5  | 4  | 4  | 3  | 2  | 2  | 4  | 2  | 1  | 90    |
| 81. | Caga Sippadewi               | 3               | 4  | 4  | 4  | 5  | 5  | 4  | 5  | 2  | 4  | 5  | 4  | 4  | 5  | 125   |
| 82. | Putu Kirana Odelia Pradnyan  | 1               | 3  | 2  | 1  | 1  | 1  | 3  | 3  | 3  | 4  | 5  | 5  | 4  | 4  | 82    |
| 83. | Desak Putu Eka Ari Sintya    | 1               | 3  | 2  | 1  | 1  | 1  | 2  | 3  | 2  | 3  | 2  | 3  | 1  | 3  | 54    |
| 84. | Putu Meisya Pradnya          | 2               | 2  | 3  | 3  | 5  | 2  | 2  | 3  | 3  | 3  | 3  | 3  | 1  | 2  | 80    |
| 85. | Ni Kadek Callysta Ananda     | 3               | 5  | 2  | 2  | 2  | 3  | 2  | 2  | 3  | 5  | 4  | 4  | 5  | 4  | 89    |
| 86. | Sifra Jelita                 | 2               | 3  | 3  | 2  | 2  | 1  | 3  | 2  | 2  | 1  | 2  | 1  | 1  | 1  | 68    |
| 87. | Made Dinda Sastra Yuliantari | 4               | 4  | 4  | 5  | 3  | 3  | 2  | 3  | 2  | 2  | 3  | 1  | 2  | 3  | 86    |
| 88. | Ni Komang Risna Ari Santi    | 4               | 4  | 3  | 2  | 1  | 3  | 4  | 2  | 3  | 3  | 2  | 5  | 1  | 2  | 78    |
| 89. | Luh Devika Putri Yuningsih   | 3               | 5  | 4  | 3  | 2  | 3  | 4  | 3  | 3  | 3  | 2  | 3  | 3  | 3  | 85    |
| 90. | Ni Made Ayu Kalyani          | 4               | 4  | 3  | 3  | 3  | 2  | 2  | 4  | 4  | 4  | 3  | 4  | 5  | 5  | 87    |
| 91. | I Putu Aditya Pratama        | 1               | 2  | 1  | 4  | 3  | 2  | 3  | 1  | 4  | 1  | 4  | 1  | 1  | 2  | 73    |
| 92. | Putu Anindya Nararya Putri   | 4               | 4  | 5  | 3  | 3  | 2  | 4  | 4  | 3  | 2  | 2  | 3  | 2  | 3  | 82    |
| 93. | Ni Luh Intan Darmawati       | 2               | 4  | 5  | 2  | 2  | 2  | 1  | 1  | 1  | 3  | 2  | 1  | 3  | 2  | 68    |
| 94. | Michael Oktavian Sutrisna    | 2               | 2  | 3  | 4  | 2  | 3  | 2  | 3  | 3  | 2  | 3  | 3  | 3  | 2  | 83    |
| 95. | Gede Bagus Pradipta Kusuma   | 2               | 4  | 3  | 3  | 3  | 2  | 3  | 3  | 2  | 2  | 2  | 1  | 3  | 1  | 84    |
| 96. | Ni Luh Ameliya Mellayanti    | 2               | 1  | 1  | 2  | 3  | 3  | 2  | 1  | 2  | 3  | 2  | 2  | 2  | 3  | 58    |
| 97. | Gede Narendra Janadhipa      | 2               | 2  | 1  | 3  | 2  | 2  | 2  | 3  | 3  | 1  | 2  | 2  | 3  | 2  | 65    |
| 98. | Putu Gita Wangi Sedana Putri | 3               | 4  | 3  | 2  | 2  | 2  | 3  | 2  | 3  | 3  | 3  | 3  | 3  | 2  | 88    |

| No   | Nama Responden               | Item Pertanyaan |    |    |    |    |    |    |    |    |    |    |    |    |    |       |
|------|------------------------------|-----------------|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|
|      |                              | 17              | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | Total |
| 99.  | Gede Charlee Ersaputra       | 2               | 2  | 3  | 4  | 2  | 2  | 3  | 2  | 3  | 3  | 4  | 4  | 3  | 1  | 86    |
| 100. | Made Vino Tatagatha Andika   | 2               | 1  | 4  | 2  | 2  | 2  | 1  | 3  | 2  | 3  | 3  | 2  | 3  | 3  | 77    |
| 101. | Ketut Bagus Adi Putra        | 3               | 2  | 2  | 2  | 4  | 3  | 3  | 3  | 2  | 3  | 3  | 2  | 3  | 1  | 98    |
| 102. | I Made Dhika Mahayana        | 3               | 1  | 3  | 3  | 1  | 2  | 3  | 3  | 3  | 2  | 3  | 2  | 3  | 3  | 78    |
| 103. | Putu Apsari Adesta Putri     | 1               | 2  | 3  | 2  | 2  | 5  | 2  | 1  | 3  | 2  | 2  | 2  | 3  | 3  | 92    |
| 104. | Kadek Setia Putra Sena       | 3               | 4  | 4  | 2  | 4  | 4  | 4  | 2  | 2  | 2  | 3  | 4  | 3  | 1  | 85    |
| 105. | Nyoman Nararya Yogiswara     | 2               | 5  | 5  | 3  | 1  | 3  | 4  | 3  | 2  | 2  | 3  | 4  | 1  | 2  | 84    |
| 106. | Ni Komang Tasya Septia       | 1               | 3  | 2  | 3  | 1  | 2  | 3  | 2  | 3  | 1  | 3  | 3  | 1  | 3  | 68    |
| 107. | Erika Anindia Putri          | 1               | 2  | 1  | 1  | 1  | 1  | 2  | 2  | 2  | 2  | 4  | 2  | 2  | 3  | 67    |
| 108. | Kadek Puspa Widiani          | 2               | 2  | 2  | 2  | 2  | 2  | 3  | 3  | 3  | 2  | 3  | 4  | 2  | 1  | 72    |
| 109. | Kadek Ari Juni Asrini        | 3               | 3  | 2  | 3  | 3  | 3  | 3  | 4  | 3  | 2  | 2  | 3  | 2  | 1  | 77    |
| 110. | Rizky Pratama Saputra        | 4               | 3  | 3  | 3  | 3  | 3  | 4  | 3  | 3  | 2  | 3  | 3  | 3  | 3  | 87    |
| 111. | I Kadek Agus Adi Muliawan    | 1               | 3  | 1  | 5  | 4  | 1  | 1  | 3  | 3  | 1  | 1  | 5  | 1  | 1  | 64    |
| 112. | Kadek Nindy Angelina         | 4               | 5  | 5  | 3  | 3  | 4  | 5  | 4  | 3  | 3  | 3  | 5  | 4  | 5  | 121   |
| 113. | Putu Sri Natha Zahradewi     | 4               | 4  | 4  | 4  | 3  | 5  | 4  | 4  | 4  | 4  | 3  | 5  | 4  | 4  | 118   |
| 114. | Made Karissa Dwi Anika       | 5               | 5  | 4  | 3  | 5  | 5  | 3  | 5  | 5  | 5  | 5  | 4  | 5  | 4  | 122   |
| 115. | Pande Putu Eka Wiri Satriaji | 3               | 1  | 3  | 2  | 1  | 3  | 1  | 2  | 1  | 3  | 4  | 3  | 1  | 2  | 68    |
| 116. | Kadek Manik Pradnya          | 2               | 2  | 2  | 3  | 2  | 2  | 2  | 2  | 2  | 3  | 2  | 2  | 2  | 2  | 64    |
| 117. | Kadek Devi Merte Sari        | 3               | 2  | 2  | 3  | 2  | 2  | 2  | 3  | 3  | 3  | 3  | 4  | 1  | 3  | 73    |
| 118. | Gede Agus Indra Putra        | 4               | 3  | 3  | 2  | 4  | 2  | 2  | 4  | 3  | 2  | 3  | 3  | 2  | 2  | 68    |
| 119. | Tjhie Shu Fen                | 5               | 5  | 4  | 4  | 4  | 4  | 4  | 3  | 4  | 3  | 4  | 3  | 3  | 3  | 125   |
| 120. | I Gusti Agus Putu Danu       | 5               | 3  | 3  | 3  | 3  | 2  | 2  | 2  | 3  | 3  | 4  | 3  | 3  | 3  | 80    |
| 121. | Ahmad Firdaus Habibi         | 3               | 1  | 2  | 1  | 3  | 2  | 2  | 3  | 3  | 1  | 3  | 4  | 3  | 4  | 78    |
| 122. | Made Elvin Suryadhi Pratama  | 4               | 2  | 2  | 2  | 2  | 2  | 4  | 2  | 2  | 3  | 2  | 4  | 2  | 3  | 65    |
| 123. | Dery Septiyan Virgalis       | 2               | 2  | 1  | 2  | 1  | 3  | 2  | 1  | 3  | 3  | 4  | 1  | 3  | 1  | 68    |
| 124. | Gilang Arya Kusuma           | 2               | 2  | 4  | 3  | 3  | 3  | 3  | 4  | 3  | 3  | 3  | 2  | 4  | 4  | 87    |
| 125. | Ketut Bagus Juliantara       | 2               | 2  | 2  | 4  | 3  | 3  | 3  | 3  | 4  | 3  | 3  | 3  | 3  | 3  | 68    |

| No   | Nama Responden                | Item Pertanyaan |    |    |    |    |    |    |    |    |    |    |    |    |    | Total |
|------|-------------------------------|-----------------|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|
|      |                               | 17              | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |       |
| 126. | Tirta Kusuma Wijaya           | 5               | 5  | 3  | 5  | 4  | 4  | 3  | 5  | 5  | 4  | 4  | 4  | 5  | 5  | 110   |
| 127. | Putu Gede Kayana Aditya       | 3               | 1  | 3  | 3  | 2  | 2  | 3  | 3  | 3  | 2  | 4  | 3  | 1  | 1  | 81    |
| 128. | Kadek Edin Sindu Prananda     | 2               | 2  | 2  | 2  | 1  | 4  | 3  | 3  | 2  | 3  | 3  | 3  | 3  | 3  | 71    |
| 129. | I Ketut Bhaskara Wikananda    | 4               | 3  | 4  | 4  | 4  | 4  | 5  | 5  | 3  | 5  | 5  | 4  | 3  | 4  | 112   |
| 130. | Auliana Hafizah               | 5               | 4  | 2  | 1  | 4  | 2  | 4  | 3  | 3  | 2  | 4  | 3  | 2  | 2  | 84    |
| 131. | I Gede Arist Pradevtha Putra  | 3               | 2  | 3  | 3  | 3  | 2  | 2  | 3  | 1  | 1  | 3  | 2  | 2  | 2  | 70    |
| 132. | I Gusti Ayu Diah Candra Sri   | 4               | 3  | 4  | 3  | 4  | 2  | 2  | 3  | 3  | 2  | 2  | 2  | 3  | 3  | 98    |
| 133. | Jason Tantrawan               | 2               | 3  | 3  | 3  | 3  | 3  | 3  | 4  | 5  | 5  | 3  | 4  | 1  | 1  | 79    |
| 134. | Laura Sabrina Afrilia         | 2               | 2  | 2  | 3  | 1  | 1  | 1  | 1  | 1  | 2  | 2  | 3  | 1  | 1  | 60    |
| 135. | Ni Made Ryanti Diwantari      | 4               | 2  | 3  | 2  | 3  | 3  | 3  | 3  | 4  | 3  | 3  | 4  | 2  | 3  | 75    |
| 136. | Kadek Reza Dwi Permana        | 1               | 1  | 3  | 3  | 1  | 1  | 3  | 3  | 3  | 4  | 4  | 3  | 2  | 3  | 70    |
| 137. | Assifa Maulidia               | 2               | 2  | 3  | 2  | 2  | 2  | 3  | 3  | 3  | 1  | 3  | 3  | 4  | 1  | 58    |
| 138. | Putu Alvin Suryadha Pratama   | 2               | 2  | 2  | 3  | 3  | 2  | 5  | 5  | 2  | 3  | 3  | 3  | 3  | 2  | 98    |
| 139. | Gede Wira Darma Oka           | 1               | 1  | 3  | 2  | 2  | 2  | 2  | 1  | 3  | 1  | 1  | 1  | 3  | 1  | 70    |
| 140. | Kadek Putri Sejati            | 3               | 3  | 3  | 4  | 4  | 5  | 5  | 5  | 3  | 3  | 5  | 5  | 5  | 4  | 120   |
| 141. | I Komang Artha Wiguna         | 2               | 2  | 2  | 2  | 2  | 2  | 2  | 1  | 1  | 2  | 2  | 1  | 3  | 2  | 60    |
| 142. | Luh Eledy Sanyaka             | 2               | 3  | 3  | 3  | 3  | 4  | 5  | 4  | 2  | 4  | 5  | 2  | 2  | 4  | 100   |
| 143. | Kadek Hervina Purnama         | 3               | 4  | 4  | 4  | 5  | 3  | 2  | 2  | 2  | 2  | 2  | 3  | 2  | 3  | 86    |
| 144. | Putu Adi Susila Darma Yoga    | 1               | 1  | 1  | 2  | 2  | 1  | 1  | 3  | 3  | 3  | 4  | 1  | 3  | 1  | 59    |
| 145. | Komang Aditya Cassanova       | 3               | 4  | 4  | 3  | 3  | 2  | 4  | 3  | 3  | 2  | 3  | 3  | 3  | 3  | 100   |
| 146. | Ida Ayu Febina Santiani Putri | 5               | 5  | 4  | 4  | 4  | 4  | 4  | 3  | 3  | 4  | 5  | 5  | 3  | 4  | 120   |
| 147. | Ida Ayu Putu Dika Divya       | 2               | 2  | 3  | 3  | 2  | 5  | 5  | 5  | 2  | 1  | 3  | 2  | 2  | 3  | 84    |
| 148. | I Gusti Ayu Agung Princessa   | 4               | 3  | 4  | 5  | 4  | 4  | 3  | 3  | 4  | 1  | 3  | 3  | 3  | 1  | 79    |
| 149. | Faylinn Andrea Susilo         | 2               | 2  | 2  | 3  | 2  | 3  | 4  | 4  | 3  | 3  | 2  | 3  | 2  | 3  | 80    |
| 150. | Kadek Vidya Aleyna Resanti    | 3               | 3  | 2  | 3  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 2  | 3  | 116   |
| 151. | I Gusti Ayu Dinda Surya       | 2               | 2  | 3  | 3  | 2  | 4  | 4  | 4  | 2  | 2  | 4  | 4  | 4  | 4  | 82    |
| 152. | Kadek Krisna Dwipayana        | 1               | 3  | 4  | 1  | 2  | 3  | 2  | 3  | 2  | 3  | 1  | 1  | 1  | 2  | 58    |

| No   | Nama Responden               | Item Pertanyaan |    |    |    |    |    |    |    |    |    |    |    |    |    | Total |
|------|------------------------------|-----------------|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|
|      |                              | 17              | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |       |
| 153. | Putu Keysha Diandra          | 5               | 3  | 5  | 4  | 4  | 4  | 5  | 5  | 4  | 4  | 5  | 5  | 4  | 4  | 128   |
| 154. | I Kadek Sidhi Mardha Yudha   | 2               | 5  | 3  | 4  | 3  | 5  | 4  | 3  | 3  | 3  | 3  | 2  | 2  | 3  | 108   |
| 155. | Nyoman Varuna Arya           | 1               | 1  | 1  | 1  | 1  | 2  | 2  | 2  | 4  | 2  | 2  | 2  | 1  | 2  | 56    |
| 156. | Ni Made Nadya Dwita Sari     | 4               | 5  | 2  | 5  | 2  | 3  | 4  | 4  | 3  | 3  | 5  | 5  | 5  | 5  | 124   |
| 157. | Kadek Chanda Iswarani        | 4               | 5  | 5  | 5  | 3  | 4  | 3  | 4  | 5  | 5  | 5  | 4  | 5  | 4  | 126   |
| 158. | Kadek Wira Ega Nanta         | 2               | 5  | 3  | 3  | 3  | 3  | 1  | 1  | 3  | 2  | 4  | 3  | 3  | 3  | 89    |
| 159. | Putu Trisna Kusuma           | 4               | 5  | 5  | 5  | 4  | 2  | 2  | 3  | 3  | 3  | 2  | 2  | 3  | 2  | 122   |
| 160. | Ni Komang Santhi Devi        | 3               | 5  | 4  | 1  | 4  | 4  | 3  | 1  | 3  | 2  | 4  | 1  | 4  | 3  | 104   |
| 161. | Ida Ayu Ambika Putri         | 4               | 4  | 4  | 5  | 4  | 3  | 4  | 4  | 4  | 5  | 5  | 5  | 3  | 3  | 132   |
| 162. | Ni Putu Sarisha Alvina       | 2               | 3  | 3  | 2  | 2  | 3  | 3  | 2  | 4  | 2  | 2  | 2  | 4  | 3  | 68    |
| 163. | Komang Riski Ariawan         | 2               | 2  | 2  | 2  | 3  | 3  | 1  | 2  | 3  | 2  | 3  | 3  | 3  | 2  | 60    |
| 164. | I Nyoman Devata Primadana    | 4               | 4  | 5  | 3  | 2  | 2  | 4  | 4  | 2  | 2  | 2  | 4  | 2  | 3  | 88    |
| 165. | Dewa Kadek Devin Arta        | 3               | 1  | 1  | 1  | 3  | 3  | 2  | 1  | 3  | 3  | 2  | 4  | 2  | 1  | 68    |
| 166. | Komang Della Sivanian        | 2               | 3  | 2  | 2  | 2  | 2  | 5  | 3  | 4  | 4  | 5  | 5  | 5  | 3  | 110   |
| 167. | Made Damar Putra Ariawan     | 4               | 4  | 1  | 1  | 1  | 3  | 1  | 3  | 2  | 2  | 2  | 3  | 2  | 3  | 69    |
| 168. | Rastie Gayatri Putri Robin   | 1               | 1  | 3  | 3  | 2  | 2  | 1  | 1  | 3  | 3  | 2  | 2  | 2  | 2  | 55    |
| 169. | Ni Made Notisa Angella Sary  | 4               | 5  | 5  | 5  | 4  | 4  | 4  | 4  | 2  | 2  | 5  | 4  | 4  | 4  | 130   |
| 170. | Komang Tiara Laksmi Dewi     | 4               | 5  | 5  | 5  | 4  | 4  | 5  | 4  | 3  | 5  | 5  | 5  | 4  | 4  | 125   |
| 171. | Komang Tangkas Artana        | 3               | 1  | 1  | 4  | 3  | 3  | 2  | 4  | 2  | 1  | 2  | 2  | 1  | 1  | 68    |
| 172. | Putu Dena Tisya Kasih Sudira | 3               | 2  | 2  | 3  | 3  | 3  | 2  | 4  | 2  | 3  | 4  | 2  | 3  | 3  | 66    |
| 173. | Nyoman Andini Ira Triani     | 3               | 5  | 3  | 2  | 2  | 3  | 3  | 2  | 3  | 3  | 3  | 3  | 4  | 4  | 87    |
| 174. | I Gusti Ngurah Bagus         | 1               | 4  | 1  | 4  | 4  | 3  | 3  | 3  | 2  | 2  | 3  | 3  | 3  | 3  | 81    |
| 175. | Kadek Chika Maria Trisna     | 2               | 2  | 2  | 5  | 2  | 2  | 3  | 4  | 5  | 2  | 4  | 3  | 2  | 2  | 64    |
| 176. | Gede Wahyu Yari Kusuma       | 2               | 3  | 3  | 4  | 4  | 2  | 2  | 2  | 3  | 3  | 2  | 2  | 2  | 3  | 97    |
| 177. | Dewa Ayu Sintia Devi Nida    | 1               | 1  | 1  | 2  | 2  | 2  | 3  | 2  | 1  | 1  | 3  | 2  | 1  | 2  | 57    |
| 178. | Desak Putu Anandita          | 5               | 5  | 4  | 5  | 3  | 3  | 5  | 4  | 3  | 5  | 2  | 5  | 2  | 2  | 128   |
| 179. | Ketut Aprilian Dwi Permana   | 4               | 2  | 3  | 3  | 3  | 2  | 3  | 2  | 2  | 5  | 3  | 2  | 3  | 3  | 70    |

| No   | Nama Responden              | Item Pertanyaan |    |    |    |    |    |    |    |    |    |    |    |    |    |            |
|------|-----------------------------|-----------------|----|----|----|----|----|----|----|----|----|----|----|----|----|------------|
|      |                             | 17              | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | Total      |
| 180. | Ni Luh Widi Sastrani        | 4               | 2  | 2  | 3  | 3  | 2  | 3  | 2  | 3  | 2  | 4  | 4  | 3  | 2  | <b>78</b>  |
| 181. | Putu Anuradha Devicallysta  | 3               | 2  | 2  | 1  | 1  | 3  | 2  | 4  | 3  | 4  | 2  | 3  | 2  | 4  | <b>64</b>  |
| 182. | Kadek Billy Lando           | 5               | 4  | 5  | 5  | 4  | 5  | 4  | 5  | 2  | 4  | 3  | 3  | 5  | 5  | <b>110</b> |
| 183. | Komang Krisnaditya Artha    | 2               | 2  | 2  | 1  | 1  | 1  | 1  | 2  | 3  | 3  | 2  | 2  | 2  | 1  | <b>63</b>  |
| 184. | Ni Kadek Jenar Lakshmi      | 2               | 3  | 3  | 4  | 4  | 5  | 3  | 2  | 3  | 4  | 4  | 4  | 4  | 5  | <b>120</b> |
| 185. | Kadek Widhiartama           | 1               | 4  | 2  | 2  | 5  | 4  | 5  | 5  | 5  | 4  | 4  | 2  | 4  | 4  | <b>83</b>  |
| 186. | Putu Arya Manik Putrawan    | 2               | 2  | 4  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 3  | 2  | 2  | <b>75</b>  |
| 187. | Kadek Wiswadwi Savitri      | 4               | 4  | 3  | 3  | 3  | 4  | 4  | 4  | 3  | 3  | 4  | 4  | 4  | 4  | <b>114</b> |
| 188. | Putu Kenzie Beatricia Parta | 3               | 3  | 3  | 3  | 2  | 1  | 3  | 4  | 3  | 1  | 3  | 1  | 3  | 3  | <b>77</b>  |
| 189. | Kadek Pedrosa Sabda Atmaja  | 5               | 5  | 5  | 4  | 2  | 2  | 5  | 5  | 3  | 4  | 4  | 4  | 5  | 4  | <b>121</b> |
| 190. | Ketut Febriana Wahyuningsih | 2               | 4  | 4  | 4  | 3  | 4  | 4  | 3  | 3  | 2  | 2  | 2  | 2  | 2  | <b>90</b>  |
| 191. | I Putu Justin Baruna Satya  | 2               | 4  | 3  | 2  | 3  | 3  | 2  | 2  | 3  | 3  | 4  | 3  | 3  | 3  | <b>83</b>  |





## Lampiran 19

## KISI-KISI ANGKET SIKAP ILMIAH SISWA YANG DIGUNAKAN

| Dimensi                                                     | Indikator                                                                        | No. Butir Positif | No. Butir Negatif | Jumlah Butir |
|-------------------------------------------------------------|----------------------------------------------------------------------------------|-------------------|-------------------|--------------|
| <i>Curiosity</i><br>(Sikap rasa ingin tahu)                 | Suka mencari tahu konsep IPA lebih dalam                                         | 1,2               | 3                 | 3            |
|                                                             | Senang bertanya dan menggali informasi ilmiah                                    | 4,5               | 6                 | 3            |
| <i>Critical Thinking</i><br>(sikap berpikir kritis)         | Mempertanyakan alasan di balik suatu konsep atau fakta IPA                       | 7,8               | 9                 | 3            |
|                                                             | Menghubungkan konsep IPA dengan kehidupan sehari-hari                            | 10,11             | 12,13             | 4            |
| <i>Perseverance</i><br>(Ketekunan)                          | Mencoba mencari solusi terhadap kesulitan dalam memahami konsep                  | 14,15             | 16,17             | 4            |
| <i>Respect for Evidence</i><br>(menghargai bukti)           | Jujur dan terbuka dalam melaporkan hasil diskusi atau percobaan                  | 18,19             | 20                | 3            |
|                                                             | Menghargai dan mengakui perbedaan pendapat orang lain yang sudah terbukti        | 21                | 22,23             | 3            |
| <i>Skepticism</i><br>(sikap keragu-raguan terhadap sesuatu) | Tidak mudah percaya pada informasi tanpa bukti ilmiah                            | 24,25             | 26,27             | 4            |
|                                                             | Tidak takut untuk mengungkapkan keraguan atau ketidaksetujuan terhadap informasi | 28,29             | 30                | 3            |
| <b>Total Butir Pertanyaan</b>                               |                                                                                  | <b>30</b>         |                   |              |

## Lampiran 20

### ANGKET SIKAP ILMIAH YANG DIGUNAKAN

#### A. Identitas Siswa

Nama :  
No. Absen :  
Kelas :

#### B. Petunjuk Pengisian Angket

1. Angket ini terdiri dari 30 pernyataan tentang sikap ilmiah
2. Baca setiap pernyataan dengan saksama, kemudian pilih salah satu jawaban yang paling sesuai dengan kondisi anda dengan mencentang ( $\checkmark$ ). Pastikan anda menjawab dengan jujur.
3. Kategori yang digunakan untuk menjawab adalah sangat setuju (SS), setuju (S), ragu-ragu (RR), tidak setuju (TS), dan sangat tidak setuju (STS)
4. Tidak ada jawaban yang benar atau salah, tidak ada pengaruh terhadap penilaian yang dilakukan di sekolah, dan akan dirahasiakan.
5. Alokasi waktu yang diberikan untuk menjawab kuesioner sebesar 10 menit.

| No | Pernyataan                                                                                                                                    | SS | S | RR | TS | STS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------|----|---|----|----|-----|
| 1. | Saya suka mencari informasi tambahan di internet atau buku tentang materi IPA yang menarik bagi saya                                          |    |   |    |    |     |
| 2. | Saya merasa senang ketika dapat mengeksplorasi lebih jauh konsep IPA yang belum saya pahami                                                   |    |   |    |    |     |
| 3. | Jika ada materi IPA yang sulit saya lebih memilih tidak mencari tahu lebih lanjut                                                             |    |   |    |    |     |
| 4. | Saya merasa tertantang untuk mencari jawaban dengan bertanya dan menggali lebih banyak informasi saat menemukan kesulitan dalam pelajaran IPA |    |   |    |    |     |
| 5. | Saya selalu merasa penasaran dan ingin mengetahui proses ilmiah lebih banyak tentang fenomena alam yang saya pelajari                         |    |   |    |    |     |
| 6. | Saya hanya belajar dari yang dijelaskan guru tanpa merasa perlu mencari informasi tambahan tentang konsep IPA                                 |    |   |    |    |     |
| 7. | Saya sering bertanya, "Mengapa ini bisa terjadi?" saat mempelajari fakta-fakta IPA                                                            |    |   |    |    |     |
| 8. | Saya selalu mencari tahu alasan logis di balik setiap konsep IPA yang saya pelajari                                                           |    |   |    |    |     |
| 9. | Saya merasa tidak perlu memahami alasan di balik suatu fenomena alam selama saya tahu hasilnya                                                |    |   |    |    |     |

|     |                                                                                                                 |  |  |  |  |  |
|-----|-----------------------------------------------------------------------------------------------------------------|--|--|--|--|--|
| 10. | Saya dapat menjelaskan hubungan antara konsep IPA yang dipelajari dengan kejadian di sekitar saya               |  |  |  |  |  |
| 11. | Saya sering mencari contoh nyata dalam kehidupan sehari-hari untuk memahami konsep IPA dengan lebih baik        |  |  |  |  |  |
| 12. | Saya jarang berpikir tentang bagaimana konsep IPA digunakan dalam kehidupan sehari-hari                         |  |  |  |  |  |
| 13. | Saya merasa konsep IPA hanya berguna di dalam kelas dan tidak berpengaruh pada kehidupan saya                   |  |  |  |  |  |
| 14. | Saya mencari contoh soal dan latihan tambahan untuk memahami konsep IPA yang sulit                              |  |  |  |  |  |
| 15. | Ketika menghadapi kesulitan, saya mencoba berdiskusi dengan teman atau guru untuk menemukan solusi              |  |  |  |  |  |
| 16. | Jika saya tidak langsung memahami suatu materi, saya merasa tidak perlu mencobanya lagi                         |  |  |  |  |  |
| 17. | Saya cepat putus asa ketika menghadapi materi yang sulit dipahami                                               |  |  |  |  |  |
| 18. | Jika hasil diskusi kelompok saya berbeda dari perkiraan awal, saya tetap melaporkannya secara jujur             |  |  |  |  |  |
| 19. | Saya merasa penting untuk menyampaikan hasil percobaan sesuai kenyataan, meskipun hasilnya tidak sesuai harapan |  |  |  |  |  |
| 20. | Saya pernah mengubah hasil percobaan agar sesuai dengan teori yang seharusnya benar                             |  |  |  |  |  |
| 21. | Saya menghargai teman yang memiliki pendapat berbeda, selama pendapat tersebut didukung oleh fakta yang jelas   |  |  |  |  |  |
| 22. | Saya menolak pendapat teman jika hasilnya berbeda walaupun didukung bukti yang kuat                             |  |  |  |  |  |
| 23. | Saya tetap pada pendapat sendiri meskipun ada bukti lain                                                        |  |  |  |  |  |
| 24. | Saya mencari bukti dari buku atau sumber lain sebelum menerima suatu penjelasan                                 |  |  |  |  |  |
| 25. | Saya menanyakan sumber informasi jika ada konsep yang terdengar tidak masuk akal                                |  |  |  |  |  |
| 26. | Saya langsung percaya semua jawaban teman tanpa mengecek kebenarannya                                           |  |  |  |  |  |
| 27. | Saya mengikuti pendapat sebagian besar teman di kelas tanpa mempertimbangkan buktinya                           |  |  |  |  |  |
| 28. | Saya berani bertanya jika merasa ragu terhadap penjelasan guru di kelas                                         |  |  |  |  |  |
| 29. | Saya mengungkapkan pendapat jika tidak setuju dengan jawaban teman yang kurang meyakinkan dalam diskusi         |  |  |  |  |  |
| 30. | Saya diam saja meskipun ragu dengan penjelasan guru atau teman                                                  |  |  |  |  |  |

## Lampiran 21

### DATA SIKAP ILMIAH SISWA KELAS VIII SMP NEGERI 1 SINGARAJA

| No  | Nama Responden              | Item Pertanyaan |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
|-----|-----------------------------|-----------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
|     |                             | 1               | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1.  | Gede Bimandya Manugraha     | 4               | 4 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 2.  | Dewa Gede Satria Pratama    | 5               | 5 | 5 | 5 | 5 | 5 | 4 | 3 | 4 | 5  | 5  | 5  | 3  | 4  | 4  | 3  |
| 3.  | Putu Laksmi Prashanti Murti | 4               | 4 | 1 | 1 | 1 | 1 | 4 | 4 | 2 | 4  | 4  | 2  | 2  | 2  | 4  | 2  |
| 4.  | Komang Resa Triastini       | 4               | 2 | 3 | 1 | 2 | 2 | 3 | 1 | 2 | 2  | 2  | 2  | 3  | 4  | 2  | 1  |
| 5.  | Kadek Kanaya Dwiantari      | 5               | 5 | 4 | 3 | 3 | 3 | 5 | 2 | 2 | 2  | 2  | 2  | 3  | 2  | 4  | 2  |
| 6.  | Wayan Wiksamana             | 3               | 2 | 3 | 2 | 2 | 2 | 3 | 4 | 3 | 1  | 2  | 3  | 1  | 1  | 1  | 3  |
| 7.  | I Gusti Ayu Nia Anggiswari  | 3               | 4 | 2 | 3 | 4 | 4 | 2 | 2 | 3 | 3  | 3  | 3  | 2  | 3  | 2  | 1  |
| 8.  | Komang Andhika Artha        | 3               | 3 | 2 | 4 | 4 | 1 | 2 | 4 | 3 | 3  | 4  | 3  | 2  | 2  | 1  | 2  |
| 9.  | Made Dinda Oktareni         | 4               | 2 | 3 | 2 | 4 | 3 | 4 | 3 | 1 | 2  | 1  | 3  | 3  | 3  | 1  | 3  |
| 10. | Gede Arya Kinandana         | 4               | 3 | 3 | 3 | 2 | 3 | 1 | 1 | 3 | 3  | 3  | 3  | 2  | 2  | 2  | 3  |
| 11. | Komang Andre Armawan        | 5               | 5 | 2 | 3 | 1 | 2 | 4 | 1 | 2 | 2  | 2  | 3  | 2  | 4  | 2  | 1  |
| 12. | Made Agung Yoga Kepakisan   | 2               | 2 | 2 | 3 | 2 | 3 | 4 | 2 | 2 | 2  | 2  | 5  | 3  | 2  | 2  | 2  |
| 13. | Ahmad Faizal Hermawan       | 3               | 4 | 4 | 4 | 3 | 5 | 5 | 4 | 3 | 2  | 2  | 3  | 2  | 2  | 2  | 3  |
| 14. | Hika Ulani Asril            | 4               | 4 | 2 | 2 | 3 | 2 | 3 | 3 | 2 | 1  | 4  | 1  | 1  | 4  | 3  | 4  |
| 15. | Putu Ardianti Pramestya     | 5               | 5 | 4 | 4 | 4 | 2 | 3 | 3 | 4 | 4  | 5  | 5  | 4  | 3  | 2  | 2  |
| 16. | Gusti Ayu Byan Alike        | 5               | 5 | 2 | 2 | 1 | 2 | 3 | 3 | 3 | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 17. | Gede Dipha Pradnyana Putra  | 5               | 5 | 1 | 1 | 2 | 2 | 4 | 2 | 3 | 1  | 4  | 3  | 1  | 1  | 2  | 3  |
| 18. | Kadek Nicko Ary Putra       | 3               | 4 | 2 | 3 | 2 | 1 | 3 | 2 | 2 | 2  | 3  | 3  | 1  | 1  | 2  | 2  |
| 19. | Vincent Janitra Kastara     | 2               | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2  | 2  | 2  | 2  | 2  | 2  | 2  |
| 20. | Putu Citra Okta Riani       | 1               | 2 | 1 | 3 | 2 | 2 | 1 | 2 | 2 | 2  | 2  | 2  | 3  | 1  | 1  | 1  |
| 21. | Putu Adyaksa Paska Antara   | 3               | 4 | 4 | 3 | 2 | 3 | 2 | 4 | 2 | 2  | 3  | 4  | 2  | 4  | 3  | 3  |

| No  | Nama Responden              | Item Pertanyaan |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
|-----|-----------------------------|-----------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
|     |                             | 1               | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 22. | Alvino Putra Pratama        | 2               | 1 | 1 | 2 | 3 | 2 | 2 | 3 | 3 | 3  | 2  | 2  | 2  | 2  | 2  | 1  |
| 23. | Ida Ayu Ambalika Raina      | 5               | 4 | 3 | 4 | 4 | 4 | 5 | 3 | 4 | 3  | 3  | 2  | 5  | 4  | 4  | 4  |
| 24. | Kadek Devika Nalini Sarisha | 4               | 4 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 3  | 3  | 2  | 1  | 2  | 4  | 1  |
| 25. | I Made Balapradana Saskara  | 4               | 4 | 3 | 2 | 1 | 1 | 4 | 1 | 3 | 3  | 2  | 2  | 3  | 3  | 1  | 3  |
| 26. | Ni Nyoman Prabhayanti       | 3               | 2 | 1 | 2 | 3 | 2 | 2 | 3 | 3 | 1  | 1  | 2  | 1  | 3  | 2  | 2  |
| 27. | Komang Aina Candra Estonia  | 3               | 3 | 3 | 3 | 1 | 3 | 2 | 1 | 1 | 2  | 2  | 3  | 2  | 2  | 2  | 2  |
| 28. | I Gede Manu Sharan          | 5               | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5  | 5  | 5  | 4  | 4  | 5  | 5  |
| 29. | Gede Putra Sujana Yasa      | 3               | 3 | 3 | 4 | 4 | 2 | 3 | 4 | 5 | 4  | 2  | 2  | 2  | 5  | 3  | 2  |
| 30. | Bunga Satya Pancali         | 1               | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 4  | 3  | 2  | 3  | 3  |
| 31. | Komang Ulan Juniantari      | 1               | 1 | 1 | 2 | 1 | 2 | 2 | 2 | 2 | 3  | 2  | 2  | 2  | 3  | 3  | 2  |
| 32. | Putu Letisya Dwi Oktaviani  | 4               | 4 | 3 | 3 | 4 | 2 | 5 | 2 | 3 | 3  | 2  | 2  | 2  | 3  | 3  | 3  |
| 33. | I Kadek Ngurah Manu         | 3               | 4 | 3 | 3 | 2 | 2 | 2 | 3 | 2 | 1  | 3  | 2  | 1  | 2  | 2  | 2  |
| 34. | Made Devi Dwivayanti        | 4               | 2 | 1 | 1 | 1 | 2 | 2 | 3 | 3 | 3  | 2  | 2  | 1  | 1  | 2  | 2  |
| 35. | Ida Ayu Kade Nandia Putri   | 4               | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3  | 3  | 3  | 1  | 3  | 4  | 2  |
| 36. | Putu Marven Satria Wibawa   | 3               | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 1 | 3  | 3  | 2  | 2  | 2  | 2  | 3  |
| 37. | Najirah Hazifah             | 4               | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 5 | 2  | 3  | 4  | 2  | 2  | 5  | 2  |
| 38. | Gede Dharma Putra Wijaya F. | 2               | 2 | 3 | 4 | 2 | 2 | 2 | 4 | 3 | 3  | 3  | 2  | 3  | 2  | 4  | 4  |
| 39. | Nyoman Dinda Hasti          | 4               | 4 | 2 | 1 | 1 | 3 | 1 | 1 | 3 | 4  | 1  | 2  | 2  | 1  | 1  | 2  |
| 40. | Bagus Made Udayana          | 2               | 2 | 4 | 3 | 1 | 3 | 2 | 2 | 2 | 3  | 4  | 3  | 2  | 3  | 3  | 2  |
| 41. | Putu Wilma Danuarsa         | 3               | 4 | 2 | 2 | 4 | 3 | 1 | 1 | 1 | 2  | 2  | 3  | 3  | 4  | 4  | 1  |
| 42. | Putu Hinnant Deva Adnyana   | 5               | 2 | 1 | 2 | 2 | 3 | 2 | 3 | 3 | 2  | 2  | 3  | 3  | 2  | 2  | 3  |
| 43. | I Made Teguh Aditya Suputra | 4               | 4 | 3 | 2 | 3 | 3 | 3 | 4 | 3 | 3  | 2  | 2  | 2  | 2  | 2  | 2  |
| 44. | Luh Merta Darmiasih         | 3               | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 2 | 3  | 4  | 2  | 2  | 3  | 3  | 3  |
| 45. | Komang Rudi Manik           | 3               | 4 | 1 | 3 | 1 | 3 | 4 | 2 | 2 | 1  | 4  | 1  | 2  | 3  | 2  | 1  |
| 46. | Marwanda Fatyah             | 3               | 4 | 4 | 5 | 4 | 3 | 4 | 4 | 3 | 4  | 4  | 5  | 4  | 5  | 5  | 4  |
| 47. | Ida Ayu Made Jeniari        | 3               | 3 | 2 | 3 | 2 | 3 | 1 | 2 | 3 | 3  | 3  | 2  | 1  | 1  | 1  | 3  |



| No  | Nama Responden              | Item Pertanyaan |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
|-----|-----------------------------|-----------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
|     |                             | 1               | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 48. | Komang Triana Prabhawati    | 4               | 3 | 2 | 1 | 1 | 2 | 2 | 2 | 3 | 1  | 1  | 2  | 3  | 2  | 2  | 2  |
| 49. | Putu Dila Prabawati         | 2               | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 1 | 1  | 3  | 2  | 3  | 1  | 1  | 2  |
| 50. | Raihan Putra Octaviandra    | 4               | 4 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 4  | 3  | 4  | 5  | 5  | 5  | 4  |
| 51. | Kadek Dwi Laksmi Pratiwi    | 3               | 2 | 2 | 2 | 2 | 3 | 3 | 2 | 2 | 2  | 3  | 1  | 1  | 1  | 2  | 1  |
| 52. | Kadek Dharwin Dwipayana     | 1               | 2 | 2 | 2 | 3 | 2 | 1 | 1 | 1 | 1  | 3  | 2  | 2  | 2  | 1  | 3  |
| 53. | Putu Ellya Putri Sanjaya    | 1               | 1 | 1 | 1 | 4 | 2 | 2 | 4 | 1 | 2  | 3  | 3  | 4  | 4  | 1  | 4  |
| 54. | I Dewa Putu Ananda          | 3               | 4 | 2 | 3 | 2 | 2 | 2 | 3 | 2 | 3  | 2  | 2  | 3  | 2  | 2  | 2  |
| 55. | Kadek Rendy Martadinata     | 5               | 3 | 1 | 1 | 4 | 2 | 2 | 5 | 1 | 1  | 2  | 1  | 1  | 2  | 3  | 1  |
| 56. | Gede Krisna Aldiano         | 1               | 4 | 1 | 1 | 4 | 1 | 4 | 1 | 3 | 1  | 4  | 2  | 2  | 1  | 5  | 2  |
| 57. | Made Anantha Wijaya         | 1               | 2 | 3 | 2 | 2 | 3 | 2 | 2 | 3 | 3  | 2  | 2  | 3  | 4  | 3  | 3  |
| 58. | Thericia Ayya Kirana        | 3               | 3 | 2 | 4 | 4 | 2 | 3 | 4 | 1 | 2  | 2  | 2  | 2  | 3  | 2  | 1  |
| 59. | I Gede Dastan Pradanadyaksa | 4               | 3 | 2 | 2 | 3 | 3 | 1 | 3 | 4 | 4  | 2  | 3  | 1  | 3  | 2  | 2  |
| 60. | Putu Keira Manika Arpenitha | 3               | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 1 | 1  | 1  | 1  | 2  | 2  | 2  | 4  |
| 61. | Putu Victoria Dewi Amiartha | 4               | 4 | 1 | 3 | 2 | 2 | 1 | 1 | 2 | 2  | 5  | 2  | 2  | 4  | 2  | 2  |
| 62. | Gede Smart Nataputra        | 3               | 3 | 2 | 3 | 3 | 3 | 2 | 3 | 3 | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 63. | Putu Indah Permata Dewi     | 4               | 3 | 2 | 3 | 3 | 3 | 4 | 3 | 3 | 3  | 4  | 3  | 2  | 3  | 5  | 1  |
| 64. | Pasek Bagiada               | 3               | 2 | 2 | 2 | 2 | 3 | 1 | 3 | 3 | 3  | 2  | 3  | 2  | 2  | 3  | 2  |
| 65. | Ni Komang Ayu Badrasapna    | 4               | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3  | 2  | 3  | 2  | 3  | 3  | 1  |
| 66. | Gede Kenan Vedanara         | 4               | 4 | 2 | 2 | 4 | 2 | 3 | 1 | 2 | 4  | 3  | 2  | 2  | 1  | 5  | 1  |
| 67. | Herlin Cordelia             | 4               | 4 | 1 | 3 | 2 | 5 | 3 | 3 | 5 | 3  | 4  | 1  | 1  | 3  | 2  | 5  |
| 68. | Putu Rudy Wirasatya         | 3               | 3 | 2 | 3 | 3 | 2 | 4 | 3 | 3 | 3  | 2  | 1  | 1  | 3  | 2  | 2  |
| 69. | Surya Putra Wicaksana       | 2               | 2 | 2 | 3 | 3 | 1 | 3 | 2 | 3 | 2  | 2  | 2  | 1  | 1  | 2  | 1  |
| 70. | Ketut Rizki Wira Saputra    | 3               | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 2  | 3  | 2  | 2  | 2  | 3  | 3  |
| 71. | Putu Nova Raditia Putra     | 3               | 5 | 3 | 2 | 1 | 3 | 4 | 2 | 3 | 3  | 2  | 3  | 1  | 1  | 2  | 2  |
| 72. | Kadek Citra Setyawati       | 4               | 4 | 3 | 3 | 2 | 4 | 3 | 2 | 2 | 2  | 3  | 3  | 3  | 4  | 4  | 2  |
| 73. | Gede Deric Krisna Wijaya    | 1               | 5 | 1 | 3 | 3 | 1 | 1 | 3 | 1 | 1  | 5  | 1  | 1  | 2  | 3  | 1  |

| No  | Nama Responden               | Item Pertanyaan |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
|-----|------------------------------|-----------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
|     |                              | 1               | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 74. | Luh Putu Okta Devia Nalini   | 3               | 4 | 2 | 3 | 1 | 2 | 4 | 2 | 2 | 3  | 2  | 2  | 4  | 3  | 5  | 4  |
| 75. | Ni Putu Junvilia Marwina     | 3               | 1 | 2 | 2 | 5 | 2 | 3 | 2 | 4 | 3  | 1  | 4  | 2  | 1  | 3  | 4  |
| 76. | I Gusti Agung Radea Suma     | 4               | 4 | 1 | 2 | 2 | 1 | 2 | 3 | 3 | 3  | 2  | 2  | 2  | 1  | 4  | 2  |
| 77. | Kadek Jasline Puspita        | 4               | 2 | 3 | 2 | 2 | 2 | 1 | 3 | 3 | 3  | 3  | 4  | 1  | 2  | 3  | 1  |
| 78. | Komang Sintia Alrista Dewi   | 4               | 4 | 4 | 4 | 3 | 3 | 4 | 3 | 4 | 3  | 2  | 3  | 4  | 2  | 2  | 2  |
| 79. | Komang Desta Ananta          | 1               | 4 | 3 | 3 | 2 | 3 | 2 | 2 | 4 | 3  | 2  | 2  | 3  | 2  | 3  | 4  |
| 80. | Ni Kadek Selsia Mira Indira  | 5               | 5 | 2 | 2 | 1 | 5 | 2 | 2 | 1 | 2  | 2  | 4  | 4  | 4  | 4  | 1  |
| 81. | Caga Sippadewi               | 5               | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 5  | 4  | 4  | 5  | 5  | 3  | 5  |
| 82. | Putu Kirana Odelia Pradnyan  | 3               | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 3 | 3  | 2  | 1  | 4  | 2  | 4  | 4  |
| 83. | Desak Putu Eka Ari Sintya    | 3               | 3 | 3 | 2 | 2 | 2 | 2 | 3 | 1 | 3  | 1  | 1  | 1  | 1  | 3  | 3  |
| 84. | Putu Meisya Pradnya          | 1               | 4 | 2 | 3 | 3 | 1 | 2 | 2 | 2 | 2  | 3  | 2  | 2  | 2  | 2  | 2  |
| 85. | Ni Kadek Callysta Ananda     | 1               | 3 | 4 | 2 | 4 | 3 | 2 | 1 | 1 | 3  | 4  | 2  | 1  | 3  | 2  | 2  |
| 86. | Sifra Jelita                 | 1               | 2 | 2 | 1 | 2 | 2 | 2 | 3 | 3 | 3  | 4  | 4  | 3  | 1  | 1  | 1  |
| 87. | Made Dinda Sastra Yuliantari | 5               | 4 | 3 | 2 | 2 | 2 | 1 | 4 | 3 | 2  | 3  | 2  | 1  | 2  | 5  | 3  |
| 88. | Ni Komang Risna Ari Santi    | 2               | 2 | 3 | 2 | 1 | 1 | 2 | 3 | 2 | 1  | 2  | 2  | 3  | 3  | 4  | 3  |
| 89. | Luh Devika Putri Yuningsih   | 2               | 3 | 3 | 2 | 2 | 2 | 4 | 2 | 2 | 3  | 2  | 2  | 3  | 2  | 2  | 2  |
| 90. | Ni Made Ayu Kalyani          | 2               | 2 | 3 | 2 | 2 | 2 | 2 | 3 | 3 | 5  | 4  | 3  | 4  | 4  | 3  | 3  |
| 91. | I Putu Aditya Pratama        | 3               | 3 | 4 | 2 | 2 | 1 | 2 | 3 | 4 | 3  | 2  | 2  | 1  | 3  | 4  | 1  |
| 92. | Putu Anindya Nararya Putri   | 3               | 3 | 2 | 3 | 3 | 2 | 2 | 3 | 2 | 3  | 3  | 1  | 1  | 2  | 2  | 2  |
| 93. | Ni Luh Intan Darmawati       | 2               | 2 | 3 | 2 | 3 | 2 | 2 | 1 | 2 | 2  | 2  | 4  | 2  | 2  | 3  | 1  |
| 94. | Michael Oktavian Sutrisna    | 2               | 3 | 1 | 3 | 4 | 2 | 3 | 2 | 2 | 3  | 3  | 3  | 3  | 2  | 3  | 2  |
| 95. | Gede Bagus Pradipta Kusuma   | 4               | 3 | 1 | 4 | 2 | 4 | 2 | 2 | 3 | 3  | 3  | 2  | 3  | 2  | 3  | 4  |
| 96. | Ni Luh Ameliya Mellayanti    | 1               | 4 | 3 | 2 | 3 | 3 | 4 | 1 | 3 | 3  | 1  | 3  | 3  | 1  | 2  | 2  |
| 97. | Gede Narendra Janadhipa      | 2               | 1 | 2 | 2 | 4 | 2 | 1 | 3 | 4 | 2  | 2  | 1  | 1  | 3  | 3  | 3  |
| 98. | Putu Gita Wangi Sedana Putri | 3               | 4 | 2 | 3 | 4 | 2 | 4 | 3 | 3 | 2  | 2  | 3  | 4  | 3  | 3  | 3  |
| 99. | Gede Charlee Ersaputra       | 3               | 2 | 2 | 3 | 3 | 2 | 3 | 4 | 1 | 3  | 3  | 1  | 4  | 1  | 4  | 3  |

| No   | Nama Responden               | Item Pertanyaan |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
|------|------------------------------|-----------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
|      |                              | 1               | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 100. | Made Vino Tatagatha Andika   | 3               | 2 | 3 | 2 | 4 | 3 | 1 | 2 | 2 | 2  | 2  | 3  | 2  | 3  | 2  | 3  |
| 101. | Ketut Bagas Adi Putra        | 4               | 5 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 4  | 4  | 3  | 3  | 3  | 5  | 4  |
| 102. | I Made Dhika Mahayana        | 3               | 3 | 3 | 2 | 2 | 1 | 3 | 3 | 2 | 2  | 3  | 3  | 3  | 3  | 2  | 2  |
| 103. | Putu Apsari Adesta Putri     | 5               | 4 | 4 | 3 | 5 | 5 | 5 | 5 | 5 | 3  | 2  | 5  | 3  | 3  | 5  | 2  |
| 104. | Kadek Setia Putra Sena       | 3               | 4 | 1 | 3 | 3 | 2 | 3 | 3 | 2 | 4  | 1  | 2  | 3  | 3  | 3  | 3  |
| 105. | Nyoman Nararya Yogiswara     | 1               | 2 | 2 | 2 | 3 | 5 | 2 | 2 | 2 | 2  | 3  | 3  | 3  | 4  | 4  | 4  |
| 106. | Ni Komang Tasya Septia       | 3               | 2 | 3 | 1 | 4 | 3 | 1 | 2 | 3 | 3  | 1  | 2  | 2  | 1  | 3  | 1  |
| 107. | Erika Anindia Putri          | 2               | 2 | 2 | 2 | 4 | 3 | 5 | 2 | 4 | 2  | 2  | 2  | 3  | 2  | 1  | 4  |
| 108. | Kadek Puspa Widiani          | 3               | 3 | 2 | 3 | 3 | 1 | 3 | 3 | 1 | 2  | 3  | 2  | 3  | 3  | 4  | 2  |
| 109. | Kadek Ari Juni Asrini        | 2               | 3 | 3 | 4 | 4 | 2 | 2 | 3 | 1 | 3  | 1  | 3  | 4  | 2  | 4  | 3  |
| 110. | Rizky Pratama Saputra        | 3               | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3  | 3  | 3  | 3  | 3  | 3  | 3  |
| 111. | I Kadek Agus Adi Muliawan    | 2               | 1 | 4 | 3 | 1 | 1 | 5 | 1 | 4 | 3  | 2  | 2  | 3  | 3  | 3  | 4  |
| 112. | Kadek Nindy Angelina         | 5               | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3  | 4  | 3  | 3  | 4  | 4  | 3  |
| 113. | Putu Sri Natha Zahradewi     | 5               | 4 | 4 | 3 | 4 | 5 | 5 | 4 | 4 | 4  | 2  | 3  | 3  | 3  | 4  | 4  |
| 114. | Made Karissa Dwi Anika       | 3               | 4 | 3 | 4 | 4 | 4 | 4 | 5 | 4 | 4  | 4  | 5  | 4  | 3  | 4  | 3  |
| 115. | Pande Putu Eka Wiri Satriaji | 3               | 4 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3  | 3  | 3  | 2  | 3  | 3  | 3  |
| 116. | Kadek Manik Pradnya          | 5               | 2 | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 2  | 2  | 3  | 2  | 2  | 2  | 3  |
| 117. | Kadek Devi Merte Sari        | 3               | 3 | 2 | 3 | 3 | 2 | 2 | 2 | 2 | 2  | 2  | 2  | 2  | 2  | 5  | 4  |
| 118. | Gede Agus Indra Putra        | 3               | 3 | 3 | 3 | 1 | 1 | 3 | 2 | 2 | 1  | 1  | 2  | 1  | 2  | 2  | 1  |
| 119. | Tjhie Shu Fen                | 5               | 3 | 3 | 3 | 4 | 5 | 3 | 4 | 3 | 5  | 5  | 5  | 5  | 4  | 3  | 5  |
| 120. | I Gusti Agus Putu Danu       | 3               | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 3  | 3  | 1  | 2  | 2  | 3  | 4  |
| 121. | Ahmad Firdaus Habibi         | 3               | 4 | 4 | 4 | 1 | 3 | 2 | 3 | 3 | 2  | 1  | 3  | 1  | 1  | 5  | 3  |
| 122. | Made Elvin Suryadhi Pratama  | 2               | 5 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  | 2  | 2  | 2  |
| 123. | Dery Septiyan Virgalis       | 3               | 3 | 3 | 2 | 2 | 1 | 1 | 3 | 1 | 3  | 3  | 2  | 2  | 3  | 3  | 4  |
| 124. | Gilang Arya Kusuma           | 3               | 3 | 5 | 2 | 2 | 2 | 3 | 2 | 2 | 2  | 4  | 2  | 2  | 2  | 3  | 5  |
| 125. | Ketut Bagus Juliantara       | 3               | 3 | 2 | 2 | 1 | 1 | 3 | 3 | 2 | 3  | 2  | 2  | 2  | 2  | 1  | 2  |

| No   | Nama Responden                | Item Pertanyaan |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
|------|-------------------------------|-----------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
|      |                               | 1               | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 126. | Tirta Kusuma Wijaya           | 4               | 3 | 5 | 5 | 5 | 5 | 5 | 5 | 3 | 3  | 3  | 4  | 3  | 2  | 3  | 5  |
| 127. | Putu Gede Kayana Aditya       | 2               | 3 | 2 | 3 | 4 | 3 | 3 | 3 | 2 | 1  | 3  | 3  | 1  | 2  | 4  | 2  |
| 128. | Kadek Edin Sindu Prananda     | 4               | 4 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1  | 3  | 2  | 2  | 2  | 2  | 2  |
| 129. | I Ketut Bhaskara Wikananda    | 5               | 5 | 5 | 3 | 3 | 4 | 4 | 3 | 5 | 3  | 5  | 5  | 3  | 5  | 5  | 3  |
| 130. | Auliana Hafizah               | 3               | 4 | 1 | 3 | 2 | 2 | 3 | 4 | 4 | 5  | 2  | 3  | 3  | 3  | 5  | 4  |
| 131. | I Gede Arist Pradevtha Putra  | 2               | 4 | 1 | 3 | 2 | 2 | 2 | 2 | 2 | 3  | 2  | 2  | 3  | 2  | 3  | 1  |
| 132. | I Gusti Ayu Diah Candra Sri   | 3               | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 3  | 3  | 3  | 4  | 3  | 3  | 4  |
| 133. | Jason Tantrawan               | 1               | 3 | 1 | 3 | 5 | 3 | 1 | 3 | 1 | 3  | 1  | 1  | 1  | 2  | 3  | 2  |
| 134. | Laura Sabrina Afrilia         | 1               | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 2  | 3  | 3  | 3  | 3  | 1  | 1  |
| 135. | Ni Made Ryanti Diwantari      | 2               | 2 | 3 | 2 | 2 | 3 | 2 | 3 | 3 | 3  | 2  | 3  | 4  | 4  | 2  | 3  |
| 136. | Kadek Reza Dwi Permana        | 4               | 3 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 3  | 3  | 2  | 2  | 1  | 5  | 3  |
| 137. | Assifa Maulidia               | 1               | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 2 | 1  | 1  | 1  | 1  | 1  | 3  | 3  |
| 138. | Putu Alvin Suryadha Pratama   | 5               | 5 | 4 | 2 | 4 | 4 | 3 | 4 | 3 | 4  | 4  | 3  | 4  | 4  | 4  | 3  |
| 139. | Gede Wira Darma Oka           | 1               | 4 | 1 | 2 | 2 | 2 | 1 | 3 | 1 | 3  | 3  | 2  | 2  | 1  | 4  | 3  |
| 140. | Kadek Putri Sejati            | 5               | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 3 | 3  | 5  | 3  | 5  | 5  | 5  | 1  |
| 141. | I Komang Artha Wiguna         | 1               | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 2  | 3  | 3  | 2  | 2  | 2  | 3  |
| 142. | Luh Eledy Sanyaka             | 4               | 4 | 2 | 3 | 5 | 2 | 5 | 3 | 3 | 3  | 3  | 3  | 3  | 2  | 5  | 5  |
| 143. | Kadek Hervina Purnama         | 3               | 3 | 5 | 3 | 2 | 2 | 4 | 3 | 3 | 3  | 3  | 3  | 3  | 4  | 2  | 2  |
| 144. | Putu Adi Susila Darma Yoga    | 3               | 3 | 2 | 1 | 3 | 2 | 1 | 3 | 1 | 1  | 1  | 3  | 2  | 2  | 1  | 1  |
| 145. | Komang Aditya Cassanova       | 4               | 4 | 3 | 4 | 4 | 2 | 4 | 2 | 4 | 5  | 3  | 2  | 5  | 3  | 4  | 4  |
| 146. | Ida Ayu Febina Santiani Putri | 3               | 3 | 3 | 3 | 2 | 5 | 5 | 3 | 4 | 4  | 5  | 5  | 3  | 5  | 5  | 3  |
| 147. | Ida Ayu Putu Dika Divya       | 2               | 4 | 1 | 2 | 3 | 1 | 4 | 3 | 3 | 2  | 3  | 4  | 2  | 2  | 4  | 3  |
| 148. | I Gusti Ayu Agung Princessa   | 3               | 2 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 2  | 1  | 2  | 2  | 2  | 2  | 3  |
| 149. | Faylinn Andrea Susilo         | 3               | 3 | 3 | 3 | 4 | 2 | 1 | 3 | 2 | 3  | 2  | 3  | 1  | 3  | 4  | 3  |
| 150. | Kadek Vidya Aleyna Resanti    | 4               | 5 | 5 | 4 | 5 | 5 | 5 | 4 | 3 | 5  | 5  | 5  | 5  | 3  | 3  | 4  |
| 151. | I Gusti Ayu Dinda Surya       | 2               | 4 | 1 | 1 | 2 | 1 | 2 | 1 | 3 | 2  | 1  | 1  | 1  | 2  | 4  | 2  |

| No   | Nama Responden               | Item Pertanyaan |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
|------|------------------------------|-----------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
|      |                              | 1               | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 152. | Kadek Krisna Dwipayana       | 1               | 2 | 3 | 1 | 1 | 2 | 3 | 3 | 3 | 3  | 3  | 2  | 2  | 1  | 3  | 2  |
| 153. | Putu Keysha Diandra          | 4               | 4 | 4 | 4 | 5 | 4 | 5 | 4 | 4 | 3  | 4  | 4  | 4  | 3  | 5  | 4  |
| 154. | I Kadek Sidhi Mardha Yudha   | 4               | 4 | 4 | 5 | 4 | 5 | 5 | 5 | 3 | 4  | 4  | 1  | 5  | 4  | 3  | 2  |
| 155. | Nyoman Varuna Arya           | 1               | 1 | 3 | 2 | 2 | 2 | 2 | 3 | 1 | 1  | 1  | 1  | 2  | 2  | 2  | 2  |
| 156. | Ni Made Nadya Dwita Sari     | 5               | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 3 | 3  | 5  | 4  | 5  | 4  | 5  | 5  |
| 157. | Kadek Chanda Iswarani        | 3               | 3 | 5 | 5 | 4 | 5 | 5 | 5 | 3 | 3  | 3  | 4  | 5  | 5  | 5  | 5  |
| 158. | Kadek Wira Ega Nanta         | 1               | 1 | 2 | 1 | 4 | 2 | 4 | 4 | 2 | 4  | 4  | 2  | 3  | 3  | 4  | 4  |
| 159. | Putu Trisna Kusuma           | 5               | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4  | 4  | 4  | 5  | 5  | 5  | 5  |
| 160. | Ni Komang Santhi Devi        | 5               | 4 | 3 | 4 | 3 | 4 | 5 | 4 | 4 | 3  | 4  | 3  | 1  | 5  | 3  | 4  |
| 161. | Ida Ayu Ambika Putri         | 5               | 3 | 4 | 4 | 5 | 4 | 5 | 5 | 3 | 5  | 5  | 3  | 4  | 5  | 5  | 4  |
| 162. | Ni Putu Sarisha Alvina       | 3               | 5 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 3  | 2  | 2  | 2  | 1  | 1  | 1  |
| 163. | Komang Riski Ariawan         | 1               | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2  | 3  | 2  | 1  | 1  | 1  | 1  |
| 164. | I Nyoman Devata Primadana    | 4               | 1 | 3 | 2 | 2 | 4 | 1 | 3 | 2 | 2  | 1  | 4  | 1  | 3  | 4  | 2  |
| 165. | Dewa Kadek Devin Arta        | 3               | 2 | 3 | 1 | 1 | 4 | 1 | 1 | 2 | 1  | 2  | 3  | 3  | 3  | 4  | 3  |
| 166. | Komang Della Sivanian        | 4               | 4 | 4 | 5 | 4 | 4 | 3 | 4 | 4 | 3  | 3  | 2  | 4  | 4  | 4  | 4  |
| 167. | Made Damar Putra Ariawan     | 3               | 3 | 3 | 2 | 1 | 4 | 2 | 1 | 1 | 1  | 3  | 1  | 1  | 1  | 3  | 2  |
| 168. | Rastie Gayatri Putri Robin   | 1               | 1 | 2 | 3 | 2 | 1 | 1 | 1 | 1 | 2  | 3  | 2  | 2  | 2  | 2  | 3  |
| 169. | Ni Made Notisa Angella Sary  | 5               | 5 | 4 | 5 | 5 | 4 | 4 | 5 | 3 | 4  | 4  | 4  | 5  | 4  | 4  | 5  |
| 170. | Komang Tiara Laksmi Dewi     | 5               | 5 | 5 | 5 | 5 | 4 | 5 | 1 | 4 | 3  | 4  | 3  | 5  | 5  | 5  | 5  |
| 171. | Komang Tangkas Artana        | 4               | 4 | 4 | 2 | 1 | 3 | 1 | 2 | 3 | 3  | 2  | 1  | 1  | 2  | 3  | 3  |
| 172. | Putu Dena Tisya Kasih Sudira | 2               | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 2  | 2  | 1  | 1  | 1  | 1  | 1  |
| 173. | Nyoman Andini Ira Triani     | 4               | 4 | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 4  | 4  | 3  | 4  | 4  | 2  | 2  |
| 174. | I Gusti Ngurah Bagus         | 4               | 3 | 3 | 2 | 2 | 2 | 3 | 3 | 2 | 1  | 1  | 2  | 1  | 2  | 3  | 2  |
| 175. | Kadek Chika Maria Trisna     | 2               | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 | 3  | 2  | 2  | 2  | 2  | 3  | 1  |
| 176. | Gede Wahyu Yari Kusuma       | 5               | 5 | 3 | 4 | 5 | 3 | 5 | 5 | 5 | 3  | 4  | 2  | 2  | 3  | 2  | 2  |
| 177. | Dewa Ayu Sintia Devi Nida    | 4               | 2 | 2 | 3 | 3 | 2 | 2 | 2 | 1 | 4  | 2  | 2  | 1  | 3  | 3  | 1  |



| No   | Nama Responden              | Item Pertanyaan |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
|------|-----------------------------|-----------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
|      |                             | 1               | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 178. | Desak Putu Anandita         | 5               | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 5 | 4  | 4  | 4  | 4  | 4  | 5  | 5  |
| 179. | Ketut Aprilian Dwi Permana  | 3               | 3 | 2 | 3 | 5 | 1 | 1 | 3 | 2 | 2  | 2  | 1  | 3  | 1  | 3  | 2  |
| 180. | Ni Luh Widi Sastrani        | 2               | 3 | 2 | 2 | 2 | 1 | 3 | 2 | 2 | 2  | 2  | 2  | 3  | 3  | 3  | 4  |
| 181. | Putu Anuradha Devicallysta  | 1               | 1 | 1 | 4 | 1 | 3 | 1 | 3 | 3 | 2  | 3  | 1  | 1  | 1  | 1  | 5  |
| 182. | Kadek Billy Lando           | 3               | 5 | 2 | 2 | 2 | 3 | 2 | 4 | 3 | 4  | 4  | 4  | 4  | 5  | 5  | 5  |
| 183. | Komang Krisnaditya Artha    | 3               | 2 | 2 | 2 | 1 | 2 | 3 | 2 | 2 | 4  | 3  | 3  | 2  | 2  | 1  | 3  |
| 184. | Ni Kadek Jenar Lakshmi      | 5               | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 3 | 4  | 4  | 4  | 4  | 4  | 3  | 3  |
| 185. | Kadek Widhiartama           | 1               | 1 | 2 | 3 | 3 | 1 | 2 | 3 | 2 | 1  | 3  | 3  | 3  | 3  | 3  | 3  |
| 186. | Putu Arya Manik Putrawan    | 3               | 4 | 1 | 2 | 2 | 2 | 3 | 2 | 3 | 4  | 3  | 2  | 1  | 2  | 1  | 2  |
| 187. | Kadek Wiswadwi Savitri      | 4               | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4  | 4  | 4  | 4  | 4  | 3  | 2  |
| 188. | Putu Kenzie Beatricia Parta | 3               | 1 | 3 | 3 | 3 | 2 | 2 | 2 | 3 | 3  | 1  | 3  | 3  | 3  | 3  | 3  |
| 189. | Kadek Pedrosa Sabda Atmaja  | 5               | 5 | 4 | 5 | 4 | 4 | 5 | 5 | 5 | 3  | 5  | 3  | 1  | 3  | 4  | 1  |
| 190. | Ketut Febriana Wahyuningsih | 3               | 5 | 4 | 3 | 2 | 3 | 3 | 3 | 4 | 4  | 4  | 4  | 5  | 4  | 1  | 1  |
| 191. | I Putu Justin Baruna Satya  | 4               | 4 | 3 | 3 | 2 | 1 | 3 | 2 | 2 | 3  | 3  | 3  | 1  | 3  | 2  | 2  |

| No  | Nama Responden              | Item Pertanyaan |    |    |    |    |    |    |    |    |    |    |    |    |    |       |
|-----|-----------------------------|-----------------|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|
|     |                             | 17              | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | Total |
| 1.  | Gede Bimandya Manugraha     | 1               | 1  | 1  | 2  | 4  | 1  | 1  | 1  | 2  | 2  | 2  | 2  | 2  | 2  | 65    |
| 2.  | Dewa Gede Satria Pratama    | 3               | 4  | 5  | 5  | 3  | 3  | 5  | 3  | 3  | 3  | 4  | 2  | 3  | 4  | 120   |
| 3.  | Putu Laksmi Prashanti Murti | 2               | 4  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 4  | 2  | 74    |
| 4.  | Komang Resa Triastini       | 2               | 1  | 2  | 1  | 2  | 2  | 3  | 1  | 2  | 2  | 1  | 1  | 2  | 2  | 60    |
| 5.  | Kadek Kanaya Dwiantari      | 4               | 2  | 3  | 3  | 4  | 2  | 2  | 2  | 3  | 5  | 3  | 3  | 2  | 2  | 89    |
| 6.  | Wayan Wiksamana             | 3               | 1  | 3  | 1  | 3  | 3  | 1  | 1  | 3  | 3  | 2  | 2  | 3  | 3  | 68    |
| 7.  | I Gusti Ayu Nia Anggiswari  | 1               | 3  | 3  | 2  | 4  | 5  | 3  | 2  | 1  | 1  | 1  | 3  | 4  | 2  | 79    |
| 8.  | Komang Andhika Artha        | 2               | 1  | 1  | 2  | 3  | 4  | 1  | 2  | 2  | 1  | 1  | 3  | 2  | 2  | 70    |
| 9.  | Made Dinda Oktareni         | 3               | 1  | 3  | 2  | 3  | 3  | 3  | 3  | 2  | 3  | 3  | 3  | 2  | 3  | 79    |
| 10. | Gede Arya Kinandana         | 1               | 2  | 3  | 1  | 2  | 1  | 1  | 3  | 1  | 1  | 1  | 3  | 2  | 2  | 65    |

| No  | Nama Responden              | Item Pertanyaan |    |    |    |    |    |    |    |    |    |    |    |    |    |       |
|-----|-----------------------------|-----------------|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|
|     |                             | 17              | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | Total |
| 11. | Komang Andre Armawan        | 1               | 3  | 4  | 3  | 1  | 2  | 2  | 3  | 2  | 1  | 2  | 1  | 3  | 3  | 72    |
| 12. | Made Agung Yoga Kepakisan   | 1               | 1  | 2  | 3  | 2  | 1  | 2  | 3  | 3  | 3  | 4  | 2  | 2  | 1  | 70    |
| 13. | Ahmad Faizal Hermawan       | 2               | 2  | 2  | 2  | 3  | 4  | 2  | 3  | 2  | 4  | 2  | 2  | 2  | 2  | 85    |
| 14. | Hika Ulani Asril            | 1               | 3  | 3  | 1  | 4  | 5  | 1  | 3  | 3  | 2  | 2  | 3  | 2  | 2  | 78    |
| 15. | Putu Ardianti Pramestya     | 4               | 2  | 2  | 4  | 5  | 4  | 3  | 4  | 4  | 4  | 5  | 5  | 5  | 5  | 115   |
| 16. | Gusti Ayu Byan Alika        | 3               | 2  | 2  | 2  | 3  | 2  | 1  | 2  | 2  | 1  | 2  | 2  | 3  | 1  | 75    |
| 17. | Gede Dipha Pradnyana Putra  | 4               | 3  | 5  | 1  | 5  | 1  | 1  | 3  | 3  | 1  | 1  | 5  | 1  | 1  | 75    |
| 18. | Kadek Nicko Ary Putra       | 1               | 2  | 2  | 2  | 3  | 3  | 1  | 3  | 3  | 1  | 2  | 2  | 3  | 1  | 65    |
| 19. | Vincent Janitra Kastara     | 2               | 3  | 2  | 2  | 2  | 2  | 2  | 1  | 1  | 1  | 2  | 2  | 4  | 2  | 60    |
| 20. | Putu Citra Okta Riani       | 1               | 3  | 1  | 3  | 3  | 2  | 1  | 3  | 2  | 1  | 2  | 2  | 1  | 2  | 55    |
| 21. | Putu Adyaksa Paska Antara   | 3               | 2  | 1  | 1  | 2  | 3  | 1  | 2  | 2  | 1  | 3  | 3  | 2  | 1  | 75    |
| 22. | Alvino Putra Pratama        | 1               | 2  | 2  | 2  | 1  | 1  | 1  | 3  | 1  | 2  | 2  | 1  | 1  | 2  | 55    |
| 23. | Ida Ayu Ambalika Raina      | 4               | 2  | 4  | 2  | 4  | 5  | 5  | 3  | 4  | 4  | 4  | 5  | 4  | 5  | 116   |
| 24. | Kadek Devika Nalini Sarisha | 3               | 3  | 2  | 2  | 5  | 1  | 2  | 3  | 4  | 1  | 1  | 4  | 3  | 2  | 75    |
| 25. | I Made Balapradana Saskara  | 2               | 4  | 3  | 2  | 4  | 3  | 2  | 3  | 2  | 1  | 2  | 3  | 3  | 1  | 75    |
| 26. | Ni Nyoman Prabhayanti       | 2               | 2  | 3  | 4  | 3  | 2  | 3  | 2  | 2  | 3  | 3  | 2  | 2  | 2  | 68    |
| 27. | Komang Aina Candra Estonia  | 2               | 3  | 2  | 1  | 2  | 1  | 3  | 3  | 3  | 3  | 4  | 2  | 2  | 3  | 69    |
| 28. | I Gede Manu Sharan          | 3               | 2  | 3  | 3  | 4  | 4  | 4  | 3  | 4  | 3  | 3  | 2  | 2  | 4  | 122   |
| 29. | Gede Putra Sujana Yasa      | 3               | 2  | 3  | 2  | 5  | 5  | 3  | 3  | 4  | 4  | 4  | 3  | 4  | 4  | 100   |
| 30. | Bunga Satya Pancali         | 1               | 5  | 5  | 1  | 4  | 4  | 4  | 3  | 3  | 5  | 4  | 3  | 2  | 5  | 75    |
| 31. | Komang Ulan Juniantari      | 1               | 2  | 2  | 1  | 1  | 3  | 1  | 2  | 2  | 1  | 2  | 2  | 3  | 1  | 55    |
| 32. | Putu Letisya Dwi Oktaviani  | 4               | 2  | 2  | 5  | 2  | 2  | 2  | 2  | 3  | 4  | 3  | 3  | 4  | 3  | 89    |
| 33. | I Kadek Ngurah Manu         | 1               | 1  | 2  | 2  | 3  | 2  | 2  | 2  | 2  | 1  | 1  | 3  | 1  | 2  | 62    |
| 34. | Made Devi Dwivayanti        | 2               | 2  | 3  | 1  | 2  | 1  | 1  | 3  | 2  | 1  | 1  | 1  | 2  | 1  | 55    |
| 35. | Ida Ayu Kade Nandia Putri   | 2               | 2  | 2  | 2  | 2  | 2  | 1  | 2  | 2  | 2  | 2  | 3  | 3  | 1  | 74    |
| 36. | Putu Marven Satria Wibawa   | 1               | 3  | 2  | 2  | 2  | 1  | 1  | 2  | 1  | 1  | 1  | 3  | 2  | 1  | 62    |

| No  | Nama Responden              | Item Pertanyaan |    |    |    |    |    |    |    |    |    |    |    |    |    |       |
|-----|-----------------------------|-----------------|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|
|     |                             | 17              | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | Total |
| 37. | Najirah Hazifah             | 2               | 2  | 2  | 3  | 2  | 2  | 2  | 3  | 3  | 4  | 2  | 4  | 5  | 4  | 96    |
| 38. | Gede Dharma Putra Wijaya F. | 4               | 2  | 2  | 3  | 3  | 4  | 2  | 2  | 3  | 2  | 2  | 2  | 3  | 1  | 80    |
| 39. | Nyoman Dinda Hasti          | 2               | 2  | 1  | 1  | 2  | 2  | 2  | 2  | 2  | 1  | 1  | 2  | 3  | 4  | 60    |
| 40. | Bagus Made Udayana          | 2               | 4  | 4  | 1  | 2  | 2  | 2  | 3  | 2  | 2  | 2  | 2  | 2  | 1  | 72    |
| 41. | Putu Wilma Danuarsa         | 1               | 3  | 3  | 2  | 2  | 3  | 2  | 3  | 2  | 2  | 3  | 4  | 3  | 3  | 76    |
| 42. | Putu Hinnant Deva Adnyana   | 2               | 2  | 2  | 3  | 2  | 1  | 2  | 2  | 3  | 2  | 2  | 1  | 2  | 2  | 68    |
| 43. | I Made Teguh Aditya Suputra | 3               | 2  | 4  | 4  | 4  | 4  | 4  | 5  | 5  | 3  | 4  | 4  | 5  | 5  | 100   |
| 44. | Luh Merta Darmiasih         | 1               | 4  | 4  | 2  | 1  | 1  | 1  | 1  | 1  | 2  | 1  | 1  | 3  | 2  | 69    |
| 45. | Komang Rudi Manik           | 3               | 1  | 2  | 2  | 2  | 2  | 2  | 3  | 2  | 2  | 2  | 2  | 1  | 1  | 64    |
| 46. | Marwanda Fatyah             | 2               | 2  | 2  | 2  | 2  | 3  | 4  | 5  | 4  | 5  | 5  | 5  | 5  | 5  | 116   |
| 47. | Ida Ayu Made Jeniari        | 1               | 1  | 1  | 3  | 1  | 1  | 2  | 1  | 2  | 2  | 2  | 2  | 1  | 2  | 58    |
| 48. | Komang Triana Prabhawati    | 1               | 2  | 3  | 3  | 2  | 3  | 2  | 2  | 2  | 2  | 2  | 3  | 1  | 1  | 62    |
| 49. | Putu Dila Prabawati         | 2               | 2  | 1  | 1  | 2  | 1  | 1  | 1  | 1  | 2  | 2  | 2  | 3  | 3  | 52    |
| 50. | Raihan Putra Octaviandra    | 4               | 5  | 4  | 4  | 3  | 3  | 2  | 2  | 3  | 2  | 2  | 3  | 2  | 2  | 105   |
| 51. | Kadek Dwi Laksmi Pratiwi    | 1               | 3  | 1  | 2  | 2  | 2  | 1  | 2  | 2  | 2  | 2  | 1  | 3  | 1  | 57    |
| 52. | Kadek Dharwin Dwipayana     | 1               | 2  | 2  | 2  | 2  | 2  | 1  | 1  | 1  | 2  | 1  | 2  | 3  | 2  | 53    |
| 53. | Putu Ellya Putri Sanjaya    | 3               | 3  | 2  | 3  | 3  | 3  | 4  | 3  | 4  | 4  | 4  | 3  | 5  | 5  | 87    |
| 54. | I Dewa Putu Ananda          | 4               | 2  | 3  | 3  | 4  | 3  | 2  | 3  | 4  | 1  | 3  | 2  | 2  | 1  | 76    |
| 55. | Kadek Rendy Martadinata     | 1               | 2  | 2  | 2  | 3  | 2  | 2  | 3  | 3  | 3  | 3  | 1  | 1  | 2  | 65    |
| 56. | Gede Krisna Aldiano         | 1               | 4  | 1  | 2  | 3  | 4  | 1  | 4  | 4  | 1  | 1  | 2  | 2  | 1  | 68    |
| 57. | Made Anantha Wijaya         | 3               | 2  | 2  | 2  | 4  | 3  | 3  | 4  | 3  | 2  | 3  | 2  | 3  | 2  | 78    |
| 58. | Thericia Ayya Kirana        | 1               | 4  | 4  | 2  | 4  | 2  | 1  | 3  | 2  | 3  | 2  | 4  | 2  | 2  | 76    |
| 59. | I Gede Dastan Pradanadyaksa | 2               | 2  | 2  | 3  | 3  | 4  | 1  | 2  | 2  | 1  | 2  | 3  | 3  | 3  | 75    |
| 60. | Putu Keira Manika Arpenitha | 2               | 2  | 4  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 3  | 2  | 2  | 3  | 65    |
| 61. | Putu Victoria Dewi Amiartha | 2               | 2  | 4  | 2  | 2  | 2  | 3  | 1  | 2  | 2  | 2  | 2  | 1  | 1  | 67    |
| 62. | Gede Smart Nataputra        | 3               | 3  | 3  | 3  | 2  | 3  | 3  | 2  | 2  | 3  | 3  | 3  | 3  | 3  | 85    |

| No  | Nama Responden               | Item Pertanyaan |    |    |    |    |    |    |    |    |    |    |    |    |    |       |
|-----|------------------------------|-----------------|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|
|     |                              | 17              | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | Total |
| 63. | Putu Indah Permata Dewi      | 1               | 4  | 2  | 2  | 2  | 1  | 1  | 2  | 3  | 2  | 1  | 1  | 2  | 2  | 75    |
| 64. | Pasek Bagiada                | 2               | 3  | 3  | 2  | 1  | 3  | 3  | 1  | 1  | 1  | 3  | 2  | 3  | 2  | 68    |
| 65. | Ni Komang Ayu Badrasapna     | 1               | 3  | 2  | 2  | 3  | 1  | 1  | 3  | 2  | 2  | 2  | 3  | 3  | 4  | 76    |
| 66. | Gede Kenan Vedanara          | 1               | 4  | 4  | 4  | 2  | 3  | 4  | 4  | 2  | 5  | 3  | 3  | 2  | 2  | 85    |
| 67. | Herlin Cordelia              | 1               | 3  | 3  | 4  | 1  | 3  | 4  | 3  | 2  | 2  | 2  | 3  | 3  | 3  | 86    |
| 68. | Putu Rudy Wirasatya          | 2               | 3  | 3  | 2  | 2  | 2  | 3  | 4  | 3  | 2  | 3  | 3  | 3  | 2  | 77    |
| 69. | Surya Putra Wicaksana        | 1               | 3  | 3  | 1  | 1  | 1  | 1  | 1  | 2  | 2  | 2  | 2  | 3  | 3  | 58    |
| 70. | Ketut Rizki Wira Saputra     | 3               | 2  | 2  | 2  | 3  | 2  | 3  | 2  | 3  | 2  | 3  | 3  | 2  | 3  | 78    |
| 71. | Putu Nova Raditia Putra      | 2               | 1  | 2  | 2  | 2  | 3  | 2  | 3  | 1  | 4  | 3  | 2  | 4  | 2  | 73    |
| 72. | Kadek Citra Setyawati        | 1               | 1  | 1  | 2  | 3  | 2  | 2  | 3  | 3  | 3  | 3  | 3  | 3  | 1  | 79    |
| 73. | Gede Deric Krisna Wijaya     | 1               | 5  | 3  | 2  | 4  | 2  | 3  | 5  | 2  | 1  | 4  | 5  | 3  | 2  | 75    |
| 74. | Luh Putu Okta Devia Nalini   | 4               | 5  | 3  | 2  | 4  | 4  | 4  | 4  | 2  | 2  | 1  | 3  | 3  | 2  | 89    |
| 75. | Ni Putu Junvilia Marwina     | 3               | 2  | 2  | 2  | 4  | 1  | 3  | 4  | 5  | 4  | 1  | 3  | 3  | 2  | 81    |
| 76. | I Gusti Agung Radea Suma     | 3               | 3  | 3  | 3  | 2  | 2  | 2  | 3  | 4  | 3  | 3  | 3  | 2  | 2  | 76    |
| 77. | Kadek Jasline Puspita        | 4               | 3  | 4  | 3  | 5  | 1  | 1  | 3  | 2  | 4  | 3  | 4  | 3  | 3  | 82    |
| 78. | Komang Sintia Alrista Dewi   | 2               | 3  | 4  | 3  | 2  | 2  | 3  | 3  | 2  | 2  | 2  | 3  | 4  | 4  | 90    |
| 79. | Komang Desta Ananta          | 1               | 3  | 4  | 2  | 4  | 1  | 1  | 3  | 2  | 2  | 4  | 3  | 1  | 2  | 76    |
| 80. | Ni Kadek Selsia Mira Indira  | 1               | 4  | 3  | 1  | 5  | 2  | 3  | 3  | 2  | 1  | 1  | 4  | 4  | 5  | 85    |
| 81. | Caga Sippadewi               | 4               | 2  | 2  | 2  | 3  | 1  | 1  | 3  | 3  | 2  | 2  | 4  | 3  | 3  | 110   |
| 82. | Putu Kirana Odelia Pradnyan  | 3               | 4  | 2  | 4  | 5  | 5  | 3  | 3  | 3  | 2  | 4  | 4  | 4  | 5  | 89    |
| 83. | Desak Putu Eka Ari Sintya    | 1               | 3  | 1  | 2  | 2  | 2  | 2  | 1  | 3  | 4  | 4  | 3  | 3  | 3  | 68    |
| 84. | Putu Meisya Pradnya          | 2               | 4  | 2  | 4  | 2  | 2  | 4  | 2  | 3  | 3  | 3  | 3  | 4  | 5  | 78    |
| 85. | Ni Kadek Callysta Ananda     | 1               | 4  | 4  | 1  | 4  | 1  | 2  | 2  | 3  | 2  | 2  | 3  | 4  | 3  | 74    |
| 86. | Sifra Jelita                 | 1               | 1  | 1  | 1  | 2  | 2  | 3  | 3  | 3  | 1  | 1  | 2  | 2  | 2  | 60    |
| 87. | Made Dinda Sastra Yuliantari | 1               | 3  | 3  | 1  | 4  | 1  | 3  | 4  | 4  | 2  | 3  | 2  | 2  | 3  | 80    |
| 88. | Ni Komang Risna Ari Santi    | 1               | 3  | 3  | 2  | 2  | 1  | 1  | 2  | 2  | 3  | 3  | 3  | 1  | 2  | 65    |

| No   | Nama Responden               | Item Pertanyaan |    |    |    |    |    |    |    |    |    |    |    |    |    |       |
|------|------------------------------|-----------------|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|
|      |                              | 17              | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | Total |
| 89.  | Luh Devika Putri Yuningsih   | 3               | 4  | 2  | 2  | 2  | 3  | 3  | 3  | 2  | 2  | 2  | 2  | 3  | 2  | 73    |
| 90.  | Ni Made Ayu Kalyani          | 4               | 2  | 2  | 2  | 3  | 2  | 2  | 4  | 4  | 4  | 5  | 4  | 4  | 4  | 93    |
| 91.  | I Putu Aditya Pratama        | 1               | 4  | 4  | 2  | 1  | 1  | 2  | 2  | 3  | 1  | 1  | 2  | 1  | 3  | 68    |
| 92.  | Putu Anindya Nararya Putri   | 1               | 3  | 3  | 3  | 3  | 2  | 2  | 2  | 2  | 3  | 3  | 3  | 4  | 3  | 74    |
| 93.  | Ni Luh Intan Darmawati       | 2               | 2  | 2  | 3  | 3  | 2  | 2  | 2  | 1  | 1  | 1  | 1  | 4  | 1  | 62    |
| 94.  | Michael Oktavian Sutrisna    | 2               | 3  | 2  | 3  | 3  | 2  | 3  | 2  | 3  | 2  | 3  | 2  | 3  | 2  | 76    |
| 95.  | Gede Bagus Pradipta Kusuma   | 2               | 3  | 3  | 2  | 2  | 4  | 3  | 3  | 4  | 3  | 4  | 3  | 3  | 3  | 87    |
| 96.  | Ni Luh Ameliya Mellayanti    | 2               | 2  | 1  | 3  | 1  | 1  | 2  | 3  | 3  | 2  | 2  | 1  | 3  | 3  | 68    |
| 97.  | Gede Narendra Janadhipa      | 2               | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 1  | 75    |
| 98.  | Putu Gita Wangi Sedana Putri | 4               | 3  | 3  | 4  | 4  | 4  | 3  | 3  | 3  | 4  | 4  | 3  | 3  | 4  | 97    |
| 99.  | Gede Charlee Ersaputra       | 2               | 3  | 3  | 2  | 3  | 2  | 3  | 3  | 4  | 1  | 3  | 3  | 3  | 2  | 79    |
| 100. | Made Vino Tatagatha Andika   | 2               | 4  | 4  | 3  | 1  | 2  | 3  | 4  | 1  | 1  | 1  | 2  | 2  | 1  | 70    |
| 101. | Ketut Bagus Adi Putra        | 4               | 4  | 4  | 4  | 3  | 4  | 4  | 5  | 4  | 3  | 3  | 3  | 4  | 4  | 110   |
| 102. | I Made Dhika Mahayana        | 3               | 1  | 1  | 3  | 2  | 2  | 2  | 2  | 2  | 1  | 2  | 3  | 3  | 1  | 68    |
| 103. | Putu Apsari Adesta Putri     | 3               | 3  | 3  | 3  | 3  | 2  | 2  | 2  | 3  | 1  | 3  | 2  | 3  | 1  | 98    |
| 104. | Kadek Setia Putra Sena       | 2               | 4  | 4  | 3  | 1  | 4  | 1  | 1  | 1  | 3  | 2  | 2  | 4  | 3  | 78    |
| 105. | Nyoman Nararya Yogiswara     | 4               | 4  | 4  | 3  | 3  | 3  | 3  | 3  | 3  | 4  | 3  | 3  | 3  | 3  | 90    |
| 106. | Ni Komang Tasya Septia       | 2               | 4  | 4  | 3  | 5  | 1  | 1  | 1  | 3  | 3  | 3  | 2  | 4  | 2  | 73    |
| 107. | Erika Anindia Putri          | 1               | 3  | 2  | 2  | 2  | 1  | 2  | 2  | 4  | 2  | 2  | 1  | 4  | 2  | 72    |
| 108. | Kadek Puspa Widiani          | 2               | 3  | 4  | 3  | 4  | 3  | 3  | 5  | 4  | 3  | 3  | 3  | 3  | 1  | 85    |
| 109. | Kadek Ari Juni Asrini        | 2               | 3  | 3  | 1  | 3  | 2  | 1  | 3  | 2  | 1  | 2  | 3  | 3  | 1  | 74    |
| 110. | Rizky Pratama Saputra        | 3               | 3  | 3  | 2  | 3  | 3  | 2  | 4  | 4  | 4  | 2  | 2  | 3  | 2  | 90    |
| 111. | I Kadek Agus Adi Muliawan    | 4               | 3  | 5  | 2  | 2  | 3  | 3  | 4  | 3  | 4  | 2  | 3  | 3  | 3  | 86    |
| 112. | Kadek Nindy Angelina         | 4               | 4  | 4  | 3  | 5  | 3  | 4  | 5  | 4  | 4  | 5  | 4  | 4  | 5  | 120   |
| 113. | Putu Sri Natha Zahradewi     | 5               | 4  | 2  | 3  | 2  | 3  | 2  | 2  | 4  | 4  | 5  | 5  | 5  | 5  | 112   |
| 114. | Made Karissa Dwi Anika       | 3               | 4  | 4  | 3  | 4  | 4  | 4  | 4  | 5  | 5  | 5  | 3  | 3  | 5  | 118   |



| No   | Nama Responden               | Item Pertanyaan |    |    |    |    |    |    |    |    |    |    |    |    |    |       |
|------|------------------------------|-----------------|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|
|      |                              | 17              | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | Total |
| 115. | Pande Putu Eka Wiri Satriaji | 3               | 3  | 2  | 4  | 4  | 2  | 2  | 1  | 4  | 1  | 1  | 1  | 3  | 4  | 82    |
| 116. | Kadek Manik Pradnya          | 2               | 3  | 3  | 2  | 2  | 2  | 3  | 3  | 3  | 2  | 3  | 2  | 2  | 2  | 73    |
| 117. | Kadek Devi Merte Sari        | 1               | 5  | 3  | 3  | 1  | 1  | 2  | 2  | 4  | 3  | 4  | 2  | 4  | 4  | 80    |
| 118. | Gede Agus Indra Putra        | 1               | 1  | 1  | 1  | 1  | 2  | 2  | 2  | 1  | 2  | 3  | 3  | 1  | 1  | 53    |
| 119. | Tjhie Shu Fen                | 4               | 4  | 4  | 5  | 5  | 4  | 4  | 4  | 5  | 3  | 3  | 4  | 4  | 4  | 122   |
| 120. | I Gusti Agus Putu Danu       | 1               | 4  | 4  | 2  | 4  | 1  | 1  | 2  | 2  | 1  | 2  | 3  | 3  | 2  | 78    |
| 121. | Ahmad Firdaus Habibi         | 3               | 4  | 4  | 1  | 3  | 2  | 4  | 2  | 4  | 4  | 3  | 3  | 3  | 2  | 85    |
| 122. | Made Elvin Suryadhi Pratama  | 2               | 2  | 4  | 1  | 3  | 1  | 1  | 1  | 1  | 1  | 3  | 3  | 3  | 1  | 52    |
| 123. | Dery Septiyan Virgalis       | 1               | 4  | 4  | 1  | 1  | 4  | 3  | 3  | 3  | 4  | 4  | 2  | 3  | 4  | 80    |
| 124. | Gilang Arya Kusuma           | 2               | 2  | 2  | 5  | 5  | 1  | 1  | 2  | 2  | 3  | 3  | 3  | 2  | 2  | 79    |
| 125. | Ketut Bagus Juliantara       | 2               | 2  | 2  | 2  | 2  | 3  | 1  | 1  | 1  | 1  | 1  | 1  | 2  | 3  | 58    |
| 126. | Tirta Kusuma Wijaya          | 5               | 5  | 3  | 2  | 5  | 5  | 5  | 5  | 5  | 5  | 5  | 1  | 1  | 5  | 120   |
| 127. | Putu Gede Kayana Aditya      | 2               | 2  | 2  | 2  | 2  | 4  | 2  | 1  | 2  | 2  | 2  | 4  | 4  | 4  | 76    |
| 128. | Kadek Edin Sindu Prananda    | 3               | 3  | 2  | 2  | 3  | 2  | 2  | 2  | 2  | 2  | 2  | 3  | 2  | 3  | 66    |
| 129. | I Ketut Bhaskara Wikananda   | 3               | 4  | 4  | 3  | 3  | 3  | 3  | 5  | 5  | 5  | 4  | 4  | 4  | 4  | 120   |
| 130. | Auliana Hafizah              | 2               | 4  | 5  | 2  | 2  | 2  | 2  | 2  | 2  | 3  | 3  | 3  | 2  | 4  | 89    |
| 131. | I Gede Arist Pradevtha Putra | 1               | 2  | 2  | 1  | 3  | 2  | 1  | 2  | 3  | 2  | 2  | 2  | 2  | 1  | 62    |
| 132. | I Gusti Ayu Diah Candra Sri  | 4               | 3  | 4  | 2  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 3  | 4  | 4  | 109   |
| 133. | Jason Tantrawan              | 1               | 5  | 1  | 3  | 5  | 3  | 3  | 3  | 4  | 3  | 1  | 3  | 2  | 1  | 72    |
| 134. | Laura Sabrina Afrilia        | 1               | 1  | 1  | 1  | 2  | 2  | 1  | 2  | 2  | 2  | 2  | 2  | 3  | 3  | 53    |
| 135. | Ni Made Ryanti Diwantari     | 2               | 2  | 2  | 2  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 2  | 4  | 2  | 80    |
| 136. | Kadek Reza Dwi Permana       | 1               | 1  | 2  | 2  | 2  | 2  | 3  | 2  | 3  | 2  | 2  | 2  | 2  | 2  | 64    |
| 137. | Assifa Maulidia              | 3               | 3  | 4  | 4  | 4  | 2  | 2  | 3  | 2  | 2  | 2  | 2  | 3  | 4  | 63    |
| 138. | Putu Alvin Suryadha Pratama  | 3               | 3  | 3  | 3  | 2  | 2  | 2  | 2  | 3  | 2  | 3  | 3  | 2  | 5  | 98    |
| 139. | Gede Wira Darma Oka          | 3               | 4  | 4  | 1  | 1  | 3  | 1  | 2  | 2  | 1  | 1  | 4  | 3  | 3  | 68    |
| 140. | Kadek Putri Sejati           | 1               | 4  | 5  | 5  | 4  | 4  | 5  | 5  | 5  | 1  | 1  | 4  | 1  | 1  | 115   |

| No   | Nama Responden                | Item Pertanyaan |    |    |    |    |    |    |    |    |    |    |    |    |    |       |
|------|-------------------------------|-----------------|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|
|      |                               | 17              | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | Total |
| 141. | I Komang Artha Wiguna         | 3               | 3  | 2  | 3  | 1  | 2  | 2  | 2  | 4  | 4  | 3  | 3  | 3  | 4  | 68    |
| 142. | Luh Eledy Sanyaka             | 2               | 4  | 3  | 3  | 4  | 4  | 4  | 3  | 2  | 2  | 2  | 3  | 3  | 3  | 97    |
| 143. | Kadek Hervina Purnama         | 2               | 2  | 2  | 3  | 3  | 4  | 2  | 1  | 3  | 3  | 3  | 2  | 2  | 2  | 82    |
| 144. | Putu Adi Susila Darma Yoga    | 1               | 2  | 2  | 1  | 1  | 1  | 1  | 1  | 1  | 2  | 2  | 2  | 2  | 3  | 52    |
| 145. | Komang Aditya Cassanova       | 1               | 4  | 3  | 4  | 4  | 4  | 5  | 4  | 4  | 4  | 2  | 5  | 5  | 4  | 110   |
| 146. | Ida Ayu Febina Santiani Putri | 5               | 4  | 3  | 5  | 3  | 3  | 3  | 4  | 5  | 4  | 3  | 3  | 3  | 5  | 114   |
| 147. | Ida Ayu Putu Dika Divya       | 1               | 3  | 3  | 5  | 4  | 4  | 4  | 3  | 3  | 4  | 4  | 3  | 3  | 2  | 89    |
| 148. | I Gusti Ayu Agung Princessa   | 2               | 2  | 2  | 2  | 2  | 3  | 3  | 3  | 2  | 3  | 4  | 4  | 4  | 5  | 75    |
| 149. | Faylinn Andrea Susilo         | 2               | 3  | 1  | 2  | 4  | 2  | 3  | 2  | 1  | 2  | 3  | 3  | 2  | 3  | 76    |
| 150. | Kadek Vidya Aleyna Resanti    | 4               | 2  | 3  | 3  | 3  | 4  | 4  | 3  | 3  | 4  | 4  | 5  | 4  | 4  | 120   |
| 151. | I Gusti Ayu Dinda Surya       | 2               | 4  | 4  | 2  | 5  | 5  | 4  | 2  | 2  | 4  | 3  | 3  | 4  | 4  | 78    |
| 152. | Kadek Krisna Dwipayana        | 2               | 1  | 1  | 3  | 4  | 3  | 2  | 1  | 2  | 1  | 1  | 2  | 1  | 4  | 63    |
| 153. | Putu Keysha Diandra           | 3               | 4  | 4  | 1  | 5  | 3  | 3  | 4  | 3  | 5  | 5  | 5  | 2  | 5  | 117   |
| 154. | I Kadek Sidhi Mardha Yudha    | 1               | 3  | 3  | 3  | 2  | 2  | 3  | 3  | 2  | 2  | 3  | 3  | 2  | 2  | 96    |
| 155. | Nyoman Varuna Arya            | 3               | 2  | 2  | 2  | 3  | 1  | 3  | 2  | 2  | 2  | 3  | 5  | 2  | 3  | 63    |
| 156. | Ni Made Nadya Dwita Sari      | 5               | 3  | 4  | 3  | 4  | 2  | 3  | 3  | 3  | 3  | 3  | 3  | 4  | 3  | 118   |
| 157. | Kadek Chanda Iswarani         | 3               | 3  | 3  | 5  | 5  | 3  | 3  | 2  | 4  | 5  | 5  | 4  | 3  | 4  | 120   |
| 158. | Kadek Wira Ega Nanta          | 2               | 3  | 4  | 3  | 3  | 3  | 3  | 2  | 2  | 3  | 3  | 2  | 2  | 4  | 84    |
| 159. | Putu Trisna Kusuma            | 5               | 3  | 3  | 2  | 2  | 3  | 5  | 2  | 2  | 3  | 4  | 3  | 2  | 2  | 115   |
| 160. | Ni Komang Santhi Devi         | 3               | 4  | 3  | 3  | 3  | 1  | 1  | 4  | 4  | 2  | 2  | 2  | 4  | 3  | 98    |
| 161. | Ida Ayu Ambika Putri          | 1               | 4  | 3  | 1  | 5  | 4  | 4  | 5  | 5  | 4  | 5  | 5  | 5  | 4  | 124   |
| 162. | Ni Putu Sarisha Alvina        | 2               | 3  | 4  | 2  | 2  | 2  | 2  | 1  | 1  | 3  | 2  | 2  | 2  | 3  | 59    |
| 163. | Komang Riski Ariawan          | 4               | 3  | 2  | 1  | 2  | 1  | 1  | 1  | 2  | 3  | 3  | 2  | 2  | 2  | 52    |
| 164. | I Nyoman Devata Primadana     | 2               | 3  | 4  | 2  | 4  | 1  | 1  | 3  | 4  | 4  | 2  | 2  | 3  | 4  | 78    |
| 165. | Dewa Kadek Devin Arta         | 2               | 2  | 3  | 4  | 5  | 2  | 2  | 2  | 3  | 2  | 2  | 4  | 3  | 2  | 75    |
| 166. | Komang Della Sivanian         | 4               | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 5  | 5  | 4  | 118   |

| No   | Nama Responden               | Item Pertanyaan |    |    |    |    |    |    |    |    |    |    |    |    |    |       |
|------|------------------------------|-----------------|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|
|      |                              | 17              | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | Total |
| 167. | Made Damar Putra Ariawan     | 1               | 4  | 4  | 1  | 2  | 3  | 3  | 2  | 2  | 3  | 2  | 3  | 2  | 2  | 66    |
| 168. | Rastie Gayatri Putri Robin   | 2               | 1  | 3  | 3  | 2  | 2  | 4  | 2  | 3  | 3  | 2  | 4  | 3  | 4  | 67    |
| 169. | Ni Made Notisa Angella Sary  | 5               | 4  | 5  | 1  | 5  | 4  | 4  | 5  | 3  | 3  | 4  | 4  | 5  | 5  | 127   |
| 170. | Komang Tiara Laksmi Dewi     | 5               | 4  | 5  | 1  | 5  | 4  | 4  | 5  | 3  | 4  | 2  | 2  | 3  | 4  | 120   |
| 171. | Komang Tangkas Artana        | 4               | 1  | 1  | 2  | 5  | 2  | 2  | 2  | 2  | 2  | 3  | 5  | 1  | 4  | 75    |
| 172. | Putu Dena Tisya Kasih Sudira | 2               | 2  | 2  | 2  | 3  | 2  | 3  | 1  | 4  | 1  | 4  | 4  | 1  | 1  | 54    |
| 173. | Nyoman Andini Ira Triani     | 1               | 1  | 2  | 2  | 2  | 2  | 3  | 4  | 4  | 3  | 3  | 2  | 3  | 1  | 80    |
| 174. | I Gusti Ngurah Bagus         | 1               | 1  | 4  | 4  | 3  | 3  | 3  | 3  | 4  | 3  | 3  | 4  | 3  | 3  | 78    |
| 175. | Kadek Chika Maria Trisna     | 1               | 3  | 2  | 2  | 2  | 1  | 1  | 2  | 2  | 1  | 2  | 2  | 2  | 2  | 53    |
| 176. | Gede Wahyu Yari Kusuma       | 2               | 4  | 2  | 3  | 2  | 2  | 3  | 4  | 4  | 3  | 3  | 3  | 4  | 3  | 100   |
| 177. | Dewa Ayu Sintia Devi Nida    | 1               | 4  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 3  | 3  | 3  | 2  | 1  | 61    |
| 178. | Desak Putu Anandita          | 4               | 4  | 5  | 5  | 5  | 5  | 5  | 4  | 4  | 5  | 4  | 4  | 4  | 3  | 130   |
| 179. | Ketut Aprilian Dwi Permana   | 2               | 2  | 2  | 1  | 1  | 2  | 2  | 3  | 2  | 2  | 2  | 2  | 3  | 2  | 65    |
| 180. | Ni Luh Widi Sastrani         | 4               | 3  | 2  | 3  | 2  | 1  | 1  | 2  | 2  | 2  | 2  | 2  | 3  | 2  | 69    |
| 181. | Putu Anuradha Devicallysta   | 2               | 2  | 2  | 2  | 3  | 2  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 5  | 57    |
| 182. | Kadek Billy Lando            | 5               | 5  | 3  | 2  | 4  | 4  | 3  | 4  | 3  | 4  | 4  | 5  | 5  | 5  | 113   |
| 183. | Komang Krisnaditya Artha     | 4               | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 3  | 2  | 68    |
| 184. | Ni Kadek Jenar Lakshmi       | 3               | 4  | 3  | 4  | 3  | 5  | 3  | 4  | 3  | 3  | 5  | 4  | 2  | 3  | 117   |
| 185. | Kadek Widhiartama            | 3               | 3  | 3  | 2  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 4  | 2  | 3  | 78    |
| 186. | Putu Arya Manik Putrawan     | 2               | 4  | 2  | 2  | 2  | 1  | 1  | 1  | 4  | 1  | 1  | 1  | 3  | 2  | 64    |
| 187. | Kadek Wiswadwi Savitri       | 3               | 3  | 2  | 2  | 4  | 3  | 2  | 2  | 2  | 4  | 4  | 4  | 2  | 2  | 100   |
| 188. | Putu Kenzie Beatricia Parta  | 3               | 3  | 4  | 3  | 5  | 3  | 3  | 2  | 2  | 3  | 2  | 4  | 4  | 3  | 85    |
| 189. | Kadek Pedrosa Sabda Atmaja   | 3               | 5  | 3  | 3  | 5  | 3  | 3  | 4  | 5  | 3  | 3  | 3  | 3  | 2  | 110   |
| 190. | Ketut Febriana Wahyuningsih  | 1               | 4  | 1  | 1  | 2  | 2  | 2  | 2  | 3  | 3  | 3  | 3  | 3  | 3  | 86    |
| 191. | I Putu Justin Baruna Satya   | 3               | 3  | 1  | 3  | 2  | 1  | 3  | 3  | 1  | 4  | 3  | 3  | 4  | 3  | 78    |

## Lampiran 22

## KISI-KISI TES PRESTASI BELAJAR YANG DIGUNAKAN

| Capaian Pembelajaran (CP)                                                | Indikator                                                                             | Dimensi     |          | No. Butir | Total |
|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------|----------|-----------|-------|
|                                                                          |                                                                                       | Pengetahuan | Kognitif |           |       |
| Memahami konsep getaran dan gelombang serta penerapannya dalam kehidupan | mendefinisikan istilah getaran dan contohnya dalam kehidupan sehari-hari              | Faktual     | C1       | 1         | 1     |
|                                                                          | menghitung frekuensi dan periode getaran                                              | Konseptual  | C3       | 2,3       | 2     |
|                                                                          | Menentukan periode, cepat rambat gelombang, dan jumlah gelombang pada suatu gelombang | Konseptual  | C3       | 4,5       | 2     |
|                                                                          | menganalisis hubungan antara frekuensi, panjang gelombang, dan kecepatan              | Konseptual  | C4       | 6,7       | 2     |
|                                                                          | membedakan jenis gelombang berdasarkan ciri-ciri dan mengelompokkan jenis gelombang   | Konseptual  | C4       | 8,9       | 2     |
|                                                                          | menganalisis penggunaan gelombang pada kehidupan sehari-hari                          | Konseptual  | C4       | 10,11     | 2     |
|                                                                          | mengevaluasi pengaruh perubahan kecepatan terhadap panjang gelombang                  | Konseptual  | C5       | 12        | 1     |
|                                                                          | mengklasifikasikan pernyataan yang tepat pada konsep bunyi                            | Konseptual  | C4       | 13        | 1     |
|                                                                          | menganalisis penggunaan frekuensi bunyi pada makhluk hidup                            | Konseptual  | C4       | 14        | 1     |
|                                                                          |                                                                                       |             |          |           |       |
| Memahami sifat-sifat cahaya dan aplikasinya                              | Siswa menentukan fenomena apa yang sesuai dengan sifat-sifat cahaya                   | Faktual     | C2       | 15,16     | 2     |

|                             |                                                                                        |            |    |       |           |
|-----------------------------|----------------------------------------------------------------------------------------|------------|----|-------|-----------|
| dalam kehidupan sehari-hari | Siswa menentukan konsep yang tepat ketika cahaya dibiaskan melalui dua medium          | Faktual    | C2 | 17    | 1         |
|                             | Siswa menganalisis terjadinya fenomena pelangi sesuai dengan sifat-sifat cahaya        | Konseptual | C4 | 18    | 1         |
|                             | Siswa menciptakan solusi kreatif dengan menerapkan konsep sifat cahaya                 | Konseptual | C6 | 19,20 | 2         |
|                             | Siswa mampu menentukan fungsi pada bagian mata serta proses melihat                    | Faktual    | C2 | 21,22 | 2         |
|                             | Siswa mengidentifikasi fungsi bagian mata dalam situasi tertentu dan menentukan solusi | Konseptual | C3 | 23    | 1         |
|                             | Siswa menerapkan pengetahuan alat optik yang tepat dalam situasi tertentu              | Konseptual | C3 | 24    | 1         |
|                             | Siswa menjelaskan fungsi lensa dalam mikroskop                                         | Faktual    | C2 | 25    | 1         |
|                             | <b>Total Butir Soal</b>                                                                |            |    |       | <b>25</b> |



## Lampiran 23

### TES PRESTASI BELAJAR IPA YANG DIGUNAKAN

#### Materi: Getaran, Gelombang, dan Cahaya

Alokasi Waktu: 35 Menit

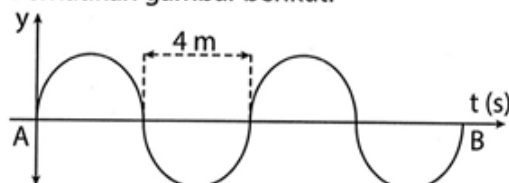
Petunjuk Soal:

- 1) Isilah data diri terlebih dahulu pada lembar jawaban
- 2) Jumlah soal sebanyak 25 butir
- 3) Bacalah setiap butir soal dengan cermat dan teliti

#### Soal Pilihan Ganda:

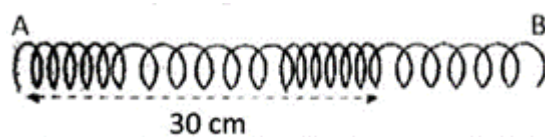
1. Jika sebuah penggaris plastik ditekan di tepi meja dan dilepaskan, penggaris tersebut akan bergerak naik turun. Gerakan ini disebut.....
  - a. Gelombang
  - b. Getaran
  - c. Refleksi
  - d. Refraksi
2. Sebuah ayunan sederhana mampu bergetar 60 kali dalam kurun waktu 15 detik. Berapa jumlah frekuensi serta periode yang dihasilkan ayunan tersebut...
  - a. 4Hz, 0,5 sekon
  - b. 4 Hz, 0,25 sekon
  - c. 3 Hz, 0,25 sekon
  - d. 3Hz, 0,5 sekon
3. Sebuah bandul pada jam dinding berayun secara teratur. Jika periode ayunannya adalah 2,5 detik. Berapakah frekuensi getaran bandul tersebut...
  - a. 0,2 Hz
  - b. 0,25 Hz
  - c. 0,4 Hz
  - d. 2,5 Hz

4. Perhatikan gambar berikut!



Jika waktu yang dibutuhkan untuk menempuh jarak A ke B adalah 8 sekon, berapakah periode gelombang tersebut....

- a. 2 s
  - b. 4 s
  - c. 6 s
  - d. 8 s
5. Gelombang merambat seperti gambar!



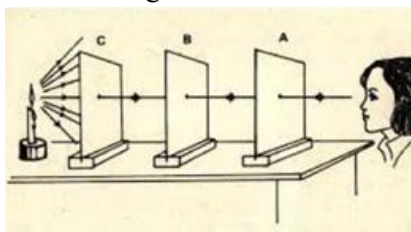
Jika frekuensi gelombang longitudinal yang terjadi 20 Hz. Maka Panjang gelombang dan cepat rambat gelombang secara berturut-turut adalah....

- 0,2 m dan 4 m/s
  - 0,3 m dan 8 m/s
  - 0,2 m dan 8 m/s
  - 0,3 m dan 4 m/s
6. Sebuah gelombang air memiliki cepat rambat 8 m/s dengan panjang gelombang 4 meter dan frekuensinya sebesar 2 Hz. Jika frekuensi gelombang meningkat menjadi 4 Hz tanpa perubahan medium, berapakah panjang gelombang yang berubah...
- Panjang gelombang meningkat menjadi 8 meter
  - Panjang gelombang meningkat menjadi 6 meter
  - Panjang gelombang tetap 4 meter
  - Panjang gelombang berkurang menjadi 2 meter
7. Gelombang air laut memiliki panjang gelombang 4 m dengan kecepatan gelombangnya adalah 16m/s. Siswa A menyatakan bahwa frekuensi gelombang air laut adalah 4Hz, sedangkan siswa B menyatakan bahwa frekuensi gelombang air laut adalah 8Hz. Berdasarkan analisis tersebut, pernyataan yang benar adalah....
- Siswa A, karena  $f = \frac{v}{\lambda} = 4 \text{ Hz}$
  - Siswa B, karena  $f = \frac{\lambda}{v} = 8 \text{ Hz}$
  - Keduanya salah, karena frekuensi adalah 2 Hz
  - Keduanya benar, karena frekuensi tergantung amplitudo
8. Seorang ilmuwan sedang mengati dua jenis gelombang:
- Gelombang X dapat merambat di ruang hampa dan di udara
  - Gelombang Y hanya dapat merambat di air dan udara tetapi tidak di ruang hampa
- Berdasarkan karakteristik tersebut, analisi yang tepat mengenai jenis gelombang X dan Y serta alasan yang mendukung klasifikasinya adalah...
- Gelombang X adalah mekanik karena dapat merambat di udara, sedangkan gelombang Y adalah elektromagnetik karena memerlukan medium untuk merambat
  - Gelombang X adalah elektromagnetik karena dapat merambat di ruang hampa, sedangkan gelombang Y adalah mekanik karena membutuhkan medium untuk merambat
  - Keduanya adalah gelombang elektromagnetik karena bisa merambat di udara
  - Keduanya adalah gelombang mekanik karena dapat merambat di udara dan tidak memerlukan medium
9. Seorang siswa melakukan percobaan dengan sebuah pegas. Ia menggoyangkan pegas ke depan dan belakang sejajar dengan arah rambatan. Berdasarkan cara perambatannya, jenis gelombang yang terbentuk adalah...
- Gelombang longitudinal
  - Gelombang transversal
  - Gelombang elektromagnetik
  - Gelombang mekanik

- 10 Dalam teknologi komunikasi, gelombang elektromagnetik seperti gelombang radio digunakan untuk menyiarkan siaran televisi dan radio. Berdasarkan sifatnya, gelombang radio lebih cocok digunakan dibandingkan gelombang suara karena...
- Gelombang radio memiliki frekuensi lebih rendah daripada gelombang suara
  - Gelombang radio dapat merambat tanpa membutuhkan medium
  - Gelombang suara dapat menjangkau jarak yang lebih jauh daripada gelombang radio
  - Gelombang radio tidak mengalami gangguan saat melewati benda padat
- 11 Gelombang ultrasonik digunakan untuk mendeteksi kondisi organ dalam tubuh manusia melalui USG (Ultrasonografi). Berdasarkan prinsip kerja USG, gelombang ultrasonik dapat menghasilkan gambar organ tubuh karena...
- Gelombang ultrasonik mempengaruhi medan listrik dalam tubuh manusia
  - Gelombang ultrasonik merambat dalam tubuh dan diserap oleh organ
  - Gelombang ultrasonik dipantulkan oleh organ tubuh dan ditangkap kembali oleh alat USG
  - Gelombang ultrasonik diubah menjadi cahaya dan direkam oleh kamera USG
- 12 Seorang siswa melakukan percobaan dengan gelombang air. Ia mengamati bahwa gelombang air memiliki frekuensi tetap 5 Hz dan panjang gelombang awal 2 meter. Kemudian, ia mengubah kecepatan gelombang dari 10 m/s menjadi 20 m/s sedangkan frekuensinya tetap sama. Berdasarkan percobaan tersebut, hubungan antara kecepatan dan panjang gelombang adalah..
- Panjang gelombang tetap meskipun kecepatan bertambah
  - Panjang gelombang berkurang ketika kecepatan bertambah
  - Panjang gelombang bertambah jika kecepatan bertambah
  - Kecepatan gelombang tidak mempengaruhi panjang gelombang
- 13 Perhatikan pernyataan berikut ini!
- Frekuensi di bawah 20 Hz
  - Dapat di dengar oleh manusia
  - Dapat didengar oleh gajah untuk berkomunikasi jarak jauh
  - Digunakan dalam penelitian gempa bumi dan aktivitas vulkanik
- Yang menunjukkan ciri dari bunyi infrasonik ditunjukkan pada nomor....
- 1 dan 2
  - 1 dan 3
  - 3 dan 4
  - 2 dan 4
- 14 Kelelawar dapat beraktivitas dan mencari mangsa di malam hari. Meskipun kondisi gelap tanpa cahaya, kelelawar tetap mampu menemukan mangsa dan menghindari rintangan di depannya karena menggunakan bunyi dengan frekuensi tinggi yang dimilikinya. Bunyi tersebut dapat membantu kelelawar dalam berburu di malam hari karena...
- Bunyi ultrasonik memantulkan gelombang cahaya yang diterima mata kelelawar
  - Gelombang ultrasonik dapat menembus benda padat seperti dinding
  - Gelombang ultrasonik memantul kemudian langsung diserap udara sehingga tidak bergema

- d. Gelombang ultrasonik memantul ketika mengenai benda sehingga kelelawar dapat menentukan lokasi mangsa

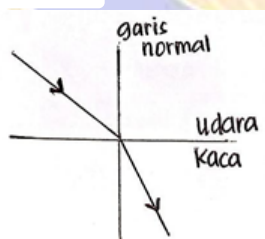
15 Perhatikan gambar berikut!



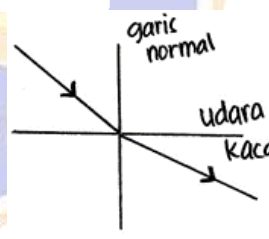
Ririn melakukan percobaan dengan beberapa karton yang memiliki lubang di tengahnya. Ketika lubang-lubang pada karton disusun sejajar, Ririn dapat melihat nyala lilin melalui lubang tersebut. Namun, ketika karton tidak disusun sejajar, nyala lilin tidak terlihat. Percobaan ini menunjukkan bahwa cahaya memiliki sifat....

- Cahaya dapat dipantulkan
  - Cahaya dapat dibiaskan
  - Cahaya merambat lurus
  - Cahaya mengalami polarisasi
- 16 Aldi sedang mengamati sebuah sendok yang dimasukkan ke dalam gelas berisi air. Ia melihat bahwa bagian sendok yang berada di dalam air tampak patah dan lebih besar dibandingkan bagian yang berada di udara. Kemudian, ia mencoba melihat ke dalam kolam ikan yang jernih, tetapi dasar kolam tampak lebih dangkal daripada kedalaman sebenarnya. Fenomena yang diamati aldi terjadi karena cahaya mengalami....
- Pemantulan sempurna
  - Pembiasan cahaya
  - Dispersi cahaya
  - Difraksi cahaya
- 17 Arah rambat cahaya pada pembiasan dari udara ke kaca berikut yang benar adalah....

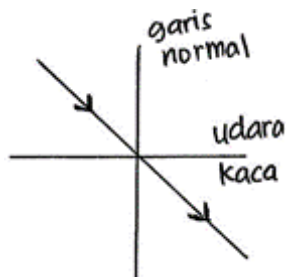
a.



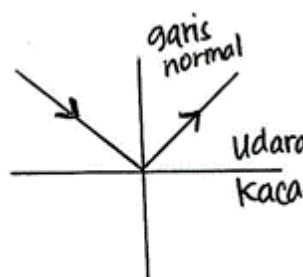
b.



c.



d.



- 18 Setelah hujan reda, rina melihat pelangi terbentuk di langit. Ia penasaran bagaimana cahaya matahari bisa menghasilkan warna-warni tersebut. Untuk memahami fenomena ini, ia melakukan percobaan dengan melewati cahaya putih melalui



sebuah prisma dan melihat bahwa cahaya tersebut menghasilkan berbagai warna. Berdasarkan hasil pengamatannya, dapat disimpulkan bahwa fenomena pelangi terjadi karena cahaya mengalami...

- a. Pemantulan sempurna, yaitu cahaya matahari yang mengenai tetesan air hujan dipantulkan kembali seluruhnya dan menghasilkan perubahan warna
  - b. Dispersi dan pembiasan, yaitu cahaya matahari dibiaskan saat masuk ke dalam tetesan air hujan kemudian terurai menjadi warna-warna spektrum yang berbeda
  - c. Difraksi cahaya, yaitu cahaya matahari menyebar ketika melewati celah kecil di antara awan sehingga membentuk pola warna-warna spektrum yang berbeda
  - d. Interferensi cahaya, yaitu cahaya matahari dan cahaya bulan saling bertemu dan menghasilkan gelombang warna-warni yang tampak sebagai pelangi
- 19 Bagas ingin membuat rumah ramah lingkungan yang tetap terang di siang hari tanpa menggunakan listrik. Agar cahaya matahari bisa menerangi ruangan yang jauh dari jendela, solusi yang paling efektif berdasarkan sifat cahaya adalah....
- a. Memasang lampu neon di sudut ruangan agar cahaya tetap stabil sepanjang hari
  - b. Menggunakan cat dinding berwarna gelap agar cahaya tidak menyebar ke seluruh ruangan
  - c. Menggunakan cermin datar untuk memantulkan cahaya matahari ke dalam ruangan yang gelap
  - d. Menutup jendela dengan kain tebal agar cahaya terfokus di satu titik
- 20 Seorang desainer interior ingin menciptakan suasana ruangan yang menarik dengan menggunakan lampu warna-warni. Ia ingin memanfaatkan sifat cahaya agar warna-warna tersebut terlihat lebih menarik dan menyebar dengan baik ke seluruh ruangan. Pernyataan berikut yang dapat menjadi solusi kreatif yang paling tepat adalah...
- a. Menggunakan prisma di sekitar lampu putih agar cahaya dapat terurai menjadi spektrum warna yang lebih beragam
  - b. Melapisi lampu dengan kaca buram berwarna agar cahaya tampak lebih jelas dengan berbagai warna
  - c. Memanfaatkan cermin di beberapa sudut ruangan untuk memantulkan cahaya matahari sehingga memberik efek berbagai warna ke seluruh ruangan
  - d. Mengecat dinding dengan warna hitam pekat agar cahaya lebih menyerap dan warna lampu tampak lebih kontras.
- 21 Jika seseorang memiliki gangguan pada mata, seperti rabun jauh maka ia akan kesulitan melihat objek yang jauh dengan jelas. Hal ini terjadi karena...
- a. Cahaya yang masuk ke mata tidak dapat mencapai retina, sehingga mata tidak bisa melihat dengan jelas
  - b. Cahaya yang masuk ke mata dibiaskan sejajar dengan retina, sehingga objek yang jauh tampak lebih terang
  - c. Cahaya yang masuk ke mata difokuskan di depan retina, sehingga objek yang jauh tampak buram
  - d. Cahaya yang masuk ke mata difokuskan di belakang retina, sehingga objek yang jauh tampak lebih kecil



- 22 Berikut ini proses perjalanan cahaya pada mata sehingga terbentuk bayangan benda yang tepat adalah....
- Pupil – kornea – iris – lensa mata (cahaya membentuk bayangan) – bayangan ditangkap retina
  - Kornea – pupil – iris – lensa mata (cahaya membentuk bayangan) – bayangan ditangkap retina
  - Pupil – iris – kornea – lensa mata (cahaya membentuk bayangan) – bayangan ditangkap retina
  - Kornea – pupil – lensa mata (Cahaya membentuk bayangan) – bayangan ditangkap retina
- 23 Nita sedang membaca buku di ruangan yang awalnya terang, tetapi lampu tiba-tiba meredup sehingga kondisi ruangan menjadi sedikit gelap. Namun nita dapat membaca buku tersebut meskipun kurang jelas, apa yang terjadi pada bagian mata sehingga nita dapat melihat buku tersebut meskipun dalam kondisi kurang cahaya...
- Iris akan mengecilkan ukuran pupil sehingga sedikit cahaya masuk ke mata
  - Pupil akan melebar untuk membiarkan lebih banyak cahaya masuk
  - Retina akan mengubah bentuknya agar lebih sensitif terhadap cahaya
  - Lensa mata akan menipis untuk memfokuskan cahaya lebih baik
- 24 Seorang astronom ingin mengamati detail permukaan Bulan di malam hari. Namun, ia hanya memiliki teropong binokular dan teleskop. Jika ia ingin melihat permukaan bulan dengan lebih jelas, alat mana yang harus ia pilih dan mengapa...
- Teropong binokular, karena dapat digunakan dengan kedua mata sehingga pengamatan lebih nyaman
  - Teropong binokular, karena memiliki bidang pandang lebih luas dibanding teleskop
  - Teleskop, karena lebih kecil dan ringan sehingga mudah digunakan di luar ruangan
  - Teleskop, karena memiliki lensa objektif dengan diameter lebih besar sehingga menangkap lebih banyak cahaya dan memperbesar bayangan lebih detail
- 25 Mikroskop memiliki dua lensa utama yang bekerja bersama untuk memperbesar bayangan objek. Fungsi dari lensa okuler dalam mikroskop adalah...
- Memperbesar bayangan yang sudah dibentuk oleh lensa objektif
  - Memantulkan cahaya agar objek lebih terang
  - Memfokuskan cahaya ke arah objek agar tampak lebih jelas
  - Membentuk bayangan nyata yang pertama kali dibentuk oleh mikroskop

Lampiran 24

DATA TES PRESTASI BELAJAR IPA KELAS VIII

SMP NEGERI 1 SINGARAJA

| Resp. | Item Pertanyaan |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |       |    |
|-------|-----------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|-------|----|
|       | 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 | total | nilai |    |
| R1    | 1               | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 0  | 1  | 0  | 0  | 1  | 0  | 0  | 0  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 1     | 15    | 60 |
| R2    | 1               | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 0  | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 1     | 22    | 88 |
| R3    | 1               | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0  | 1  | 0  | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 0  | 1  | 1  | 1     | 16    | 64 |
| R4    | 1               | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0  | 0  | 0  | 1  | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 1  | 0  | 0  | 0  | 5     | 20    |    |
| R5    | 1               | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 0  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 0  | 1  | 1  | 1     | 19    | 76 |
| R6    | 1               | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 0  | 1  | 0  | 0  | 1  | 0  | 0  | 0  | 0  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 1     | 14    | 56 |
| R7    | 1               | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0  | 1  | 0  | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 0  | 1  | 1  | 1     | 16    | 64 |
| R8    | 1               | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 0  | 1  | 0  | 0  | 1  | 0  | 0  | 0  | 1  | 1  | 0  | 1  | 0  | 1  | 1  | 1  | 1     | 14    | 56 |
| R9    | 1               | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0  | 1  | 0  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 0  | 0  | 0  | 1  | 1     | 17    | 68 |
| R10   | 1               | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0  | 1  | 0  | 0  | 1  | 0  | 1  | 0  | 0  | 1  | 1  | 0  | 0  | 1  | 1  | 1  | 1     | 13    | 52 |
| R11   | 1               | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0  | 1  | 0  | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 0  | 1  | 1  | 1     | 16    | 64 |
| R12   | 1               | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 0  | 1  | 0  | 0  | 1  | 0  | 0  | 0  | 0  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 1     | 14    | 56 |
| R13   | 1               | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 0  | 1  | 1  | 0  | 1  | 1  | 1  | 1     | 19    | 76 |
| R14   | 1               | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 0  | 1  | 1  | 1  | 1  | 0  | 0  | 1  | 1  | 1  | 1  | 0  | 1  | 0  | 1  | 1  | 1     | 17    | 68 |
| R15   | 0               | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 20    | 80    |    |
| R16   | 1               | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0  | 1  | 1  | 1  | 1  | 0  | 0  | 1  | 0  | 1  | 1  | 0  | 1  | 0  | 1  | 1  | 1     | 17    | 68 |
| R17   | 1               | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0  | 1  | 0  | 1  | 1  | 0  | 1  | 0  | 1  | 1  | 0  | 1  | 1  | 0  | 1  | 1  | 1     | 17    | 68 |
| R18   | 1               | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1  | 0  | 1  | 1  | 1  | 0  | 1  | 0  | 0  | 1  | 0  | 1  | 0  | 0  | 1  | 1  | 1     | 12    | 48 |
| R19   | 1               | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1  | 1  | 0  | 0  | 1  | 0  | 0  | 0  | 0  | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 7     | 28    |    |
| R20   | 1               | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1  | 0  | 0  | 1  | 1  | 0  | 1  | 0  | 0  | 1  | 0  | 1  | 0  | 0  | 1  | 0  | 10    | 40    |    |

| Resp. | Item Pertanyaan |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |       |
|-------|-----------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|-------|
|       | 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 | total | nilai |
| R21   | 1               | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 0  | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 17    | 68    |
| R22   | 1               | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0  | 0  | 0  | 0  | 0  | 1  | 1  | 0  | 0  | 1  | 0  | 0  | 1  | 1  | 1  | 1  | 9     | 36    |
| R23   | 1               | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 21    | 84    |
| R24   | 1               | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0  | 1  | 0  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 0  | 0  | 0  | 1  | 17    | 68    |
| R25   | 1               | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0  | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 1  | 0  | 1  | 0  | 1  | 0  | 7     | 28    |
| R26   | 1               | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 1  | 0  | 0  | 1  | 1  | 1  | 0  | 0  | 0  | 1  | 0  | 0  | 1  | 0  | 0  | 1  | 12    | 48    |
| R27   | 1               | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 1  | 1  | 0  | 1  | 1  | 1  | 0  | 0  | 0  | 1  | 0  | 0  | 1  | 0  | 1  | 1  | 13    | 52    |
| R28   | 1               | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0  | 1  | 1  | 0  | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 22    | 88    |
| R29   | 1               | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 19    | 76    |
| R30   | 1               | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1  | 1  | 0  | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 0  | 0  | 1  | 0  | 0  | 1  | 13    | 52    |
| R31   | 1               | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0  | 1  | 0  | 0  | 1  | 1  | 0  | 0  | 0  | 1  | 1  | 1  | 0  | 0  | 1  | 1  | 12    | 48    |
| R32   | 1               | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 0  | 0  | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 18    | 72    |
| R33   | 0               | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0  | 0  | 0  | 0  | 1  | 1  | 0  | 0  | 0  | 1  | 1  | 1  | 0  | 0  | 1  | 1  | 9     | 36    |
| R34   | 1               | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1  | 1  | 0  | 0  | 0  | 1  | 0  | 0  | 0  | 0  | 1  | 1  | 1  | 1  | 1  | 0  | 12    | 48    |
| R35   | 1               | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1  | 1  | 0  | 0  | 0  | 1  | 1  | 1  | 1  | 1  | 0  | 0  | 1  | 0  | 1  | 0  | 15    | 60    |
| R36   | 1               | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1  | 1  | 0  | 1  | 0  | 0  | 1  | 0  | 1  | 1  | 1  | 1  | 0  | 0  | 1  | 1  | 12    | 48    |
| R37   | 1               | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 0  | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 0  | 19    | 76    |
| R38   | 1               | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0  | 1  | 0  | 0  | 1  | 1  | 1  | 1  | 0  | 1  | 0  | 1  | 0  | 0  | 1  | 1  | 12    | 48    |
| R39   | 1               | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0  | 1  | 0  | 0  | 1  | 1  | 1  | 0  | 0  | 1  | 0  | 0  | 1  | 0  | 1  | 0  | 11    | 44    |
| R40   | 1               | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1  | 1  | 0  | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 0  | 1  | 1  | 15    | 60    |
| R41   | 1               | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0  | 1  | 0  | 0  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 0  | 0  | 1  | 0  | 14    | 56    |
| R42   | 1               | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0  | 1  | 0  | 0  | 1  | 1  | 1  | 0  | 0  | 1  | 0  | 1  | 0  | 1  | 1  | 0  | 13    | 52    |
| R43   | 1               | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 0  | 1  | 1  | 20    | 80    |
| R44   | 1               | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0  | 0  | 0  | 0  | 1  | 1  | 0  | 0  | 1  | 1  | 0  | 1  | 0  | 0  | 1  | 1  | 11    | 44    |

| Resp. | Item Pertanyaan |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |       |
|-------|-----------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|-------|
|       | 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 | total | nilai |
| R45   | 1               | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0  | 1  | 1  | 0  | 1  | 0  | 0  | 0  | 1  | 1  | 1  | 1  | 0  | 0  | 1  | 0  | 11    | 44    |
| R46   | 1               | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 22    | 88    |
| R47   | 1               | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0  | 0  | 0  | 0  | 0  | 1  | 1  | 0  | 0  | 1  | 1  | 0  | 0  | 0  | 1  | 0  | 9     | 36    |
| R48   | 1               | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1  | 0  | 0  | 0  | 0  | 1  | 1  | 0  | 0  | 1  | 1  | 0  | 0  | 0  | 0  | 0  | 9     | 36    |
| R49   | 1               | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1  | 1  | 0  | 0  | 1  | 0  | 1  | 0  | 0  | 1  | 0  | 0  | 0  | 1  | 0  | 1  | 10    | 40    |
| R50   | 0               | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1  | 1  | 1  | 1  | 1  | 0  | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 18    | 72    |
| R51   | 1               | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0  | 0  | 0  | 0  | 0  | 1  | 0  | 0  | 1  | 1  | 1  | 1  | 1  | 0  | 0  | 1  | 11    | 44    |
| R52   | 1               | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1  | 0  | 1  | 0  | 0  | 1  | 1  | 0  | 0  | 1  | 0  | 0  | 0  | 0  | 0  | 1  | 9     | 36    |
| R53   | 0               | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 0  | 1  | 1  | 0  | 0  | 0  | 1  | 17    | 68    |
| R54   | 1               | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0  | 1  | 0  | 0  | 1  | 1  | 1  | 0  | 0  | 1  | 0  | 0  | 1  | 0  | 1  | 0  | 12    | 48    |
| R55   | 1               | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0  | 1  | 0  | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 0  | 0  | 1  | 15    | 60    |
| R56   | 1               | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0  | 1  | 0  | 1  | 1  | 1  | 1  | 0  | 0  | 0  | 0  | 1  | 1  | 0  | 1  | 0  | 12    | 48    |
| R57   | 1               | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1  | 0  | 0  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 0  | 0  | 0  | 0  | 1  | 1  | 13    | 52    |
| R58   | 1               | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 1  | 1  | 0  | 0  | 1  | 0  | 1  | 1  | 0  | 1  | 0  | 0  | 0  | 1  | 0  | 1  | 12    | 48    |
| R59   | 1               | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 0  | 1  | 1  | 1  | 0  | 0  | 1  | 1  | 16    | 64    |
| R60   | 1               | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1  | 1  | 0  | 0  | 1  | 0  | 1  | 1  | 0  | 1  | 0  | 0  | 0  | 1  | 0  | 1  | 11    | 44    |
| R61   | 1               | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1  | 1  | 0  | 0  | 1  | 0  | 1  | 1  | 0  | 1  | 0  | 0  | 0  | 1  | 0  | 1  | 11    | 44    |
| R62   | 1               | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 0  | 0  | 1  | 0  | 0  | 1  | 14    | 56    |
| R63   | 1               | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0  | 1  | 1  | 0  | 1  | 0  | 1  | 1  | 0  | 1  | 0  | 0  | 0  | 1  | 0  | 1  | 13    | 52    |
| R64   | 1               | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1  | 0  | 0  | 0  | 1  | 1  | 1  | 1  | 0  | 1  | 0  | 0  | 0  | 0  | 1  | 1  | 11    | 44    |
| R65   | 1               | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 1  | 1  | 1  | 0  | 1  | 0  | 1  | 1  | 0  | 1  | 0  | 0  | 0  | 1  | 0  | 1  | 14    | 56    |
| R66   | 1               | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1  | 1  | 0  | 0  | 1  | 1  | 1  | 0  | 0  | 1  | 0  | 1  | 0  | 0  | 1  | 1  | 12    | 48    |
| R67   | 0               | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0  | 1  | 1  | 1  | 0  | 1  | 1  | 0  | 1  | 1  | 1  | 0  | 0  | 0  | 1  | 1  | 13    | 52    |
| R68   | 1               | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1  | 1  | 0  | 0  | 1  | 1  | 1  | 1  | 0  | 1  | 0  | 1  | 0  | 0  | 1  | 1  | 13    | 52    |

| Resp. | Item Pertanyaan |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |       |
|-------|-----------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|-------|
|       | 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 | total | nilai |
| R69   | 1               | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0  | 1  | 0  | 1  | 0  | 0  | 1  | 1  | 1  | 0  | 1  | 0  | 0  | 0  | 1  | 1  | 11    | 44    |
| R70   | 1               | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 0  | 0  | 1  | 0  | 0  | 1  | 14    | 56    |
| R71   | 1               | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1  | 1  | 0  | 0  | 1  | 1  | 1  | 1  | 0  | 1  | 0  | 1  | 0  | 0  | 1  | 1  | 12    | 48    |
| R72   | 0               | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 0  | 0  | 1  | 1  | 14    | 56    |
| R73   | 1               | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1  | 0  | 0  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 0  | 0  | 0  | 0  | 1  | 0  | 12    | 48    |
| R74   | 1               | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 0  | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 0  | 19    | 76    |
| R75   | 0               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0  | 0  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 12    | 48    |
| R76   | 0               | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0  | 0  | 0  | 1  | 1  | 0  | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 0  | 12    | 48    |
| R77   | 1               | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0  | 1  | 0  | 0  | 0  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 0  | 1  | 1  | 1  | 15    | 60    |
| R78   | 1               | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 0  | 0  | 0  | 0  | 0  | 1  | 0  | 1  | 0  | 1  | 1  | 1  | 0  | 1  | 1  | 0  | 13    | 52    |
| R79   | 0               | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0  | 1  | 0  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 14    | 56    |
| R80   | 1               | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 18    | 72    |
| R81   | 0               | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0  | 1  | 1  | 1  | 1  | 1  | 0  | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 21    | 84    |
| R82   | 1               | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0  | 1  | 0  | 0  | 1  | 1  | 1  | 0  | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 14    | 56    |
| R83   | 1               | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 1  | 1  | 0  | 0  | 1  | 1  | 1  | 0  | 8     | 32    |
| R84   | 1               | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0  | 0  | 0  | 0  | 1  | 1  | 0  | 0  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 0  | 13    | 52    |
| R85   | 1               | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0  | 1  | 1  | 0  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 16    | 64    |
| R86   | 0               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1  | 1  | 0  | 1  | 0  | 0  | 0  | 0  | 0  | 1  | 1  | 1  | 0  | 1  | 0  | 0  | 8     | 32    |
| R87   | 1               | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1  | 0  | 1  | 0  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 15    | 60    |
| R88   | 0               | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1  | 1  | 0  | 0  | 0  | 1  | 1  | 0  | 0  | 1  | 0  | 1  | 1  | 0  | 1  | 0  | 10    | 40    |
| R89   | 1               | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 1  |    | 0  | 1  | 1  | 1  | 1  | 0  | 0  | 1  | 1  | 1  | 1  | 0  | 0  | 1  | 14    | 56    |
| R90   | 1               | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 0  | 1  | 0  | 0  | 0  | 1  | 0  | 1  | 0  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 15    | 60    |
| R91   | 1               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1  | 1  | 0  | 0  | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 0  | 1  | 1  | 12    | 48    |
| R92   | 1               | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0  | 1  | 0  | 0  | 0  | 1  | 0  | 1  | 1  | 0  | 1  | 0  | 0  | 0  | 1  | 1  | 11    | 44    |



| Resp. | Item Pertanyaan |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |       |
|-------|-----------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|-------|
|       | 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 | total | nilai |
| R93   | 1               | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0  | 1  | 0  | 0  | 0  | 1  | 0  | 0  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 0  | 11    | 44    |
| R94   | 1               | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0  | 1  | 0  | 1  | 1  | 0  | 1  | 0  | 1  | 0  | 1  | 1  | 1  | 0  | 1  | 1  | 13    | 52    |
| R95   | 1               | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0  | 1  | 0  | 1  | 1  | 1  | 1  | 0  | 1  | 0  | 1  | 1  | 0  | 0  | 1  | 1  | 13    | 52    |
| R96   | 1               | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 0  | 1  | 0  | 0  | 1  | 0  | 1  | 0  | 0  | 1  | 0  | 0  | 0  | 0  | 1  | 1  | 12    | 48    |
| R97   | 1               | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0  | 1  | 0  | 1  | 1  | 1  | 1  | 0  | 1  | 0  | 1  | 1  | 0  | 0  | 0  | 0  | 10    | 40    |
| R98   | 1               | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0  | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 17    | 68    |
| R99   | 1               | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0  | 1  | 0  | 1  | 1  | 1  | 1  | 0  | 1  | 0  | 1  | 1  | 1  | 0  | 1  | 1  | 14    | 56    |
| R100  | 1               | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0  | 1  | 0  | 0  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 0  | 0  | 0  | 0  | 11    | 44    |
| R101  | 1               | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1  | 1  | 1  | 0  | 1  | 0  | 1  | 1  | 0  | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 20    | 80    |
| R102  | 1               | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0  | 1  | 0  | 0  | 1  | 0  | 1  | 1  | 1  | 0  | 1  | 0  | 0  | 0  | 1  | 0  | 10    | 40    |
| R103  | 1               | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0  | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 18    | 72    |
| R104  | 1               | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0  | 1  | 0  | 0  | 1  | 1  | 0  | 0  | 1  | 0  | 1  | 1  | 0  | 0  | 1  | 1  | 13    | 52    |
| R105  | 1               | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0  | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 16    | 64    |
| R106  | 1               | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0  | 1  | 0  | 0  | 0  | 0  | 1  | 0  | 1  | 1  | 1  | 0  | 0  | 0  | 1  | 0  | 10    | 40    |
| R107  | 1               | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0  | 0  | 0  | 0  | 0  | 0  | 1  | 0  | 0  | 1  | 1  | 1  | 0  | 0  | 1  | 0  | 12    | 48    |
| R108  | 1               | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 0  | 1  | 0  | 0  | 1  | 1  | 1  | 1  | 0  | 1  | 0  | 1  | 0  | 0  | 1  | 1  | 16    | 64    |
| R109  | 1               | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 0  | 1  | 0  | 0  | 0  | 0  | 1  | 0  | 0  | 1  | 0  | 0  | 0  | 0  | 1  | 0  | 11    | 44    |
| R110  | 1               | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0  | 1  | 0  | 0  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 15    | 60    |
| R111  | 1               | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0  | 1  | 0  | 1  | 1  | 1  | 1  | 0  | 1  | 0  | 1  | 1  | 0  | 0  | 1  | 1  | 13    | 52    |
| R112  | 1               | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 22    | 88    |
| R113  | 0               | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1  | 1  | 1  | 1  | 0  | 1  | 0  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 0  | 1  | 18    | 72    |
| R114  | 1               | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 23    | 92    |
| R115  | 1               | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0  | 1  | 0  | 0  | 1  | 1  | 0  | 1  | 1  | 1  | 0  | 1  | 0  | 0  | 0  | 0  | 11    | 44    |
| R116  | 1               | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1  | 0  | 1  | 0  | 1  | 1  | 0  | 1  | 0  | 1  | 0  | 1  | 0  | 0  | 1  | 0  | 12    | 48    |

| Resp. | Item Pertanyaan |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |       |    |
|-------|-----------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|-------|----|
|       | 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 | total | nilai |    |
| R117  | 1               | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0  | 0  | 0  | 1  | 1  | 1  | 1  | 0  | 0  | 1  | 0  | 1  | 1  | 1  | 0  | 1  | 13    | 52    |    |
| R118  | 1               | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0  | 0  | 1  | 0  | 0  | 1  | 1  | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 8     | 32    |    |
| R119  | 1               | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 0  | 0  | 1  | 22    | 88    |    |
| R120  | 1               | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0  | 1  | 0  | 0  | 1  | 0  | 1  | 0  | 0  | 1  | 0  | 1  | 1  | 0  | 1  | 1  | 13    | 52    |    |
| R121  | 1               | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 0  | 0  | 1  | 0  | 0  | 1  | 0  | 1  | 1  | 17    | 68    |    |
| R122  | 1               | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0  | 0  | 0  | 0  | 1  | 0  | 0  | 0  | 0  | 0  | 1  | 0  | 0  | 1  | 1  | 0  | 8     | 32    |    |
| R123  | 1               | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 0  | 0  | 0  | 1  | 0  | 0  | 13    | 52    |    |
| R124  | 1               | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1  | 1  | 0  | 0  | 0  | 0  | 1  | 0  | 1  | 1  | 0  | 1  | 0  | 1  | 1  | 0  | 14    | 56    |    |
| R125  | 0               | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0  | 0  | 0  | 1  | 1  | 1  | 1  | 0  | 1  | 0  | 0  | 0  | 1  | 0  | 0  | 0  | 8     | 32    |    |
| R126  | 1               | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 0  | 1  | 22    | 88    |    |
| R127  | 1               | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 0  | 0  | 1  | 1  | 0     | 15    | 60 |
| R128  | 1               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1  | 0  | 1  | 0  | 1  | 1  | 0  | 0  | 0  | 0  | 0  | 1  | 1  | 1  | 1  | 1  | 11    | 44    |    |
| R129  | 1               | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 0  | 1  | 1  | 0  | 0  | 20    | 80    |    |
| R130  | 1               | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0  | 0  | 1  | 0  | 1  | 1  | 1  | 0  | 0  | 1  | 1  | 0  | 0  | 1  | 1  | 1  | 14    | 56    |    |
| R131  | 1               | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0  | 1  | 0  | 1  | 1  | 1  | 1  | 0  | 0  | 1  | 0  | 0  | 1  | 1  | 0  | 0  | 12    | 48    |    |
| R132  | 1               | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 21    | 84    |    |
| R133  | 1               | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0  | 1  | 1  | 0  | 1  | 0  | 1  | 1  | 1  | 1  | 0  | 0  | 0  | 0  | 1  | 1  | 13    | 52    |    |
| R134  | 1               | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0  | 0  | 0  | 0  | 0  | 0  | 1  | 0  | 1  | 0  | 0  | 1  | 0  | 0  | 1  | 1  | 8     | 32    |    |
| R135  | 1               | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0  | 1  | 0  | 0  | 1  | 1  | 1  | 0  | 1  | 1  | 0  | 1  | 0  | 0  | 0  | 1  | 12    | 48    |    |
| R136  | 1               | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0  | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 0  | 1  | 0  | 0  | 0  | 0  | 1  | 1  | 13    | 52    |    |
| R137  | 0               | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0  | 0  | 0  | 1  | 0  | 1  | 1  | 1  | 1  | 0  | 0  | 0  | 0  | 0  | 1  | 1  | 10    | 40    |    |
| R138  | 1               | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 0  | 0  | 0  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 0  | 1  | 1  | 20    | 80    |    |
| R139  | 1               | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1  | 0  | 0  | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 0  | 0  | 0  | 0  | 1  | 1  | 13    | 52    |    |
| R140  | 1               | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1  | 1  | 1  | 1  | 0  | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 21    | 84    |    |

| Resp. | Item Pertanyaan |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |       |
|-------|-----------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|-------|
|       | 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 | total | nilai |
| R141  | 0               | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0  | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 0  | 1  | 0  | 0  | 0  | 0  | 1  | 1  | 12    | 48    |
| R142  | 1               | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 0  | 1  | 1  | 0  | 1  | 0  | 0  | 1  | 1  | 18    | 72    |
| R143  | 1               | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 1  | 0  | 0  | 1  | 0  | 1  | 1  | 1  | 0  | 1  | 0  | 0  | 1  | 0  | 1  | 1  | 14    | 56    |
| R144  | 1               | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0  | 0  | 0  | 0  | 0  | 1  | 0  | 0  | 0  | 1  | 1  | 0  | 1  | 0  | 1  | 1  | 9     | 36    |
| R145  | 1               | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 1  | 1  | 0  | 1  | 1  | 0  | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 19    | 76    |
| R146  | 1               | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0  | 0  | 1  | 0  | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 20    | 80    |
| R147  | 1               | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1  | 1  | 1  | 1  | 0  | 0  | 1  | 0  | 1  | 1  | 0  | 1  | 0  | 0  | 1  | 1  | 17    | 68    |
| R148  | 1               | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 1  | 0  | 0  | 1  | 0  | 1  | 1  | 1  | 1  | 0  | 0  | 0  | 1  | 0  | 1  | 1  | 14    | 56    |
| R149  | 1               | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 0  | 0  | 1  | 0  | 0  | 1  | 1  | 1  | 1  | 15    | 60    |
| R150  | 1               | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 23    | 92    |
| R151  | 1               | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 0  | 1  | 1  | 0  | 0  | 0  | 1  | 1  | 1  | 15    | 60    |
| R152  | 1               | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 1  | 0  | 1  | 1  | 0  | 0  | 0  | 8     | 32    |
| R153  | 1               | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0  | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 20    | 80    |
| R154  | 1               | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 0  | 1  | 0  | 1  | 0  | 19    | 76    |
| R155  | 0               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1  | 1  | 1  | 0  | 1  | 0  | 1  | 1  | 1  | 1  | 0  | 1  | 0  | 0  | 0  | 0  | 9     | 36    |
| R156  | 0               | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 0  | 0  | 1  | 1  | 1  | 1  | 0  | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 20    | 80    |
| R157  | 1               | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 22    | 88    |
| R158  | 1               | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 0  | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 0  | 1  | 1  | 0  | 0  | 17    | 68    |
| R159  | 1               | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 21    | 84    |
| R160  | 1               | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 0  | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 0  | 0  | 1  | 0  | 0  | 0  | 18    | 72    |
| R161  | 1               | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 22    | 88    |
| R162  | 1               | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1  | 1  | 0  | 1  | 1  | 1  | 0  | 0  | 0  | 1  | 1  | 1  | 0  | 0  | 1  | 0  | 11    | 44    |
| R163  | 0               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0  | 1  | 0  | 0  | 1  | 0  | 1  | 1  | 1  | 0  | 0  | 1  | 1  | 1  | 0  | 8     | 32    |
| R164  | 1               | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1  | 1  | 0  | 0  | 1  | 1  | 1  | 1  | 0  | 1  | 0  | 0  | 1  | 1  | 1  | 1  | 17    | 68    |

| Resp. | Item Pertanyaan |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |       |    |
|-------|-----------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|-------|----|
|       | 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 | total | nilai |    |
| R165  | 1               | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 0  | 0  | 0  | 0  | 1  | 1  | 14    | 56    |    |
| R166  | 1               | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 0     | 21    | 84 |
| R167  | 1               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 1  | 0  | 1  | 1  | 0  | 0  | 1  | 1  | 0  | 0  | 1  | 0  | 1  | 0  | 1  | 9     | 36    |    |
| R168  | 1               | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0  | 1  | 1  | 0  | 0  | 0  | 0  | 0  | 1  | 0  | 0  | 1  | 0  | 0  | 1  | 1  | 8     | 32    |    |
| R169  | 1               | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 22    | 88    |    |
| R170  | 1               | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 0  | 0  | 20    | 80    |    |
| R171  | 1               | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0  | 1  | 1  | 1  | 0  | 0  | 0  | 0  | 1  | 0  | 1  | 0  | 0  | 1  | 1  | 0  | 13    | 52    |    |
| R172  | 0               | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0  | 0  | 0  | 1  | 0  | 1  | 0  | 0  | 0  | 1  | 1  | 1  | 1  | 0  | 1  | 0  | 8     | 32    |    |
| R173  | 1               | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 1  | 1  | 1  | 0  | 1  | 1  | 0  | 0  | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 17    | 68    |    |
| R174  | 1               | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1  | 1  | 1  | 0  | 1  | 1  | 0  | 0  | 0  | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 14    | 56    |    |
| R175  | 0               | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1  | 1  | 0  | 1  | 0  | 1  | 1  | 0  | 0  | 0  | 1  | 0  | 0  | 0  | 1  | 0  | 8     | 32    |    |
| R176  | 1               | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 0  | 1  | 1  | 0  | 1  | 0  | 1  | 0  | 19    | 76    |    |
| R177  | 0               | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1  | 1  | 0  | 0  | 1  | 1  | 0  | 0  | 0  | 0  | 1  | 0  | 1  | 0  | 1  | 1  | 9     | 36    |    |
| R178  | 1               | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 21    | 84    |    |
| R179  | 1               | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1  | 0  | 0  | 0  | 1  | 1  | 0  | 0  | 0  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 12    | 48    |    |
| R180  | 1               | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 1  | 0  | 1  | 0  | 1  | 1  | 1  | 0  | 0  | 1  | 0  | 1  | 0  | 0  | 0  | 0  | 13    | 52    |    |
| R181  | 1               | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 1  | 0  | 1  | 1  | 0  | 1  | 1  | 9     | 36    |    |
| R182  | 0               | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1  | 1  | 1  | 1  | 0  | 0  | 1  | 0  | 1  | 1  | 0  | 1  | 1  | 0  | 1  | 1  | 18    | 72    |    |
| R183  | 0               | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1  | 1  | 0  | 0  | 1  | 1  | 0  | 0  | 0  | 1  | 1  | 0  | 1  | 0  | 1  | 1  | 10    | 40    |    |
| R184  | 1               | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 0  | 1  | 1  | 1  | 22    | 88    |    |
| R185  | 1               | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1  | 0  | 1  | 0  | 1  | 1  | 0  | 0  | 0  | 1  | 1  | 1  | 1  | 1  | 0  | 0  | 14    | 56    |    |
| R186  | 0               | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1  | 1  | 0  | 0  | 1  | 1  | 0  | 0  | 0  | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 12    | 48    |    |
| R187  | 1               | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 0  | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 18    | 72    |    |
| R188  | 1               | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0  | 0  | 1  | 0  | 1  | 1  | 1  | 1  | 0  | 1  | 0  | 1  | 1  | 0  | 1  | 1  | 13    | 52    |    |

| Resp. | Item Pertanyaan |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |       |
|-------|-----------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|-------|
|       | 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 | total | nilai |
| R189  | 1               | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1  | 0  | 0  | 1  | 1  | 1  | 0  | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 19    | 76    |
| R190  | 1               | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1  | 0  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 17    | 68    |
| R191  | 1               | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0  | 1  | 0  | 1  | 1  | 1  | 1  | 0  | 0  | 1  | 0  | 0  | 1  | 1  | 1  | 1  | 14    | 56    |





## Lampiran 25

**OUTPUT SPSS UNTUK DESKRIPSI UMUM MOTIVASI BELAJAR,  
SIKAP ILMIAH, DAN PRESTASI BELAJAR IPA**

**Frequencies**

| Statistics                                           |         |                  |              |                      |
|------------------------------------------------------|---------|------------------|--------------|----------------------|
|                                                      |         | motivasi belajar | sikap ilmiah | prestasi belajar IPA |
| N                                                    | Valid   | 191              | 191          | 191                  |
|                                                      | Missing | 0                | 0            | 0                    |
| Mean                                                 |         | 82,98            | 80,86        | 57,34                |
| Std. Error of Mean                                   |         | 1,423            | 1,401        | 1,185                |
| Median                                               |         | 80,00            | 76,00        | 56,00                |
| Mode                                                 |         | 68               | 75           | 48 <sup>a</sup>      |
| Std. Deviation                                       |         | 19,661           | 19,356       | 16,376               |
| Range                                                |         | 79               | 78           | 72                   |
| Minimum                                              |         | 53               | 52           | 20                   |
| Maximum                                              |         | 132              | 130          | 92                   |
| a. Multiple modes exist. The smallest value is shown |         |                  |              |                      |

**Frequency Table**

| Motivasi Belajar ( $X_1$ ) |    |           |         |               |                    |
|----------------------------|----|-----------|---------|---------------|--------------------|
|                            |    | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid                      | 53 | 1         | ,5      | ,5            | ,5                 |
|                            | 54 | 1         | ,5      | ,5            | 1,0                |
|                            | 55 | 3         | 1,6     | 1,6           | 2,6                |
|                            | 56 | 3         | 1,6     | 1,6           | 4,2                |
|                            | 57 | 1         | ,5      | ,5            | 4,7                |
|                            | 58 | 4         | 2,1     | 2,1           | 6,8                |
|                            | 59 | 4         | 2,1     | 2,1           | 8,9                |
|                            | 60 | 4         | 2,1     | 2,1           | 11,0               |
|                            | 62 | 2         | 1,0     | 1,0           | 12,0               |
|                            | 63 | 1         | ,5      | ,5            | 12,6               |
|                            | 64 | 7         | 3,7     | 3,7           | 16,2               |
|                            | 65 | 5         | 2,6     | 2,6           | 18,8               |
|                            | 66 | 1         | ,5      | ,5            | 19,4               |
|                            | 67 | 1         | ,5      | ,5            | 19,9               |
|                            | 68 | 14        | 7,3     | 7,3           | 27,2               |
|                            | 69 | 6         | 3,1     | 3,1           | 30,4               |
|                            | 70 | 5         | 2,6     | 2,6           | 33,0               |
|                            | 71 | 1         | ,5      | ,5            | 33,5               |
|                            | 72 | 2         | 1,0     | 1,0           | 34,6               |
|                            | 73 | 4         | 2,1     | 2,1           | 36,6               |
|                            | 74 | 2         | 1,0     | 1,0           | 37,7               |
|                            | 75 | 2         | 1,0     | 1,0           | 38,7               |
|                            | 76 | 1         | ,5      | ,5            | 39,3               |

|       |     |       |       |       |
|-------|-----|-------|-------|-------|
| 77    | 5   | 2,6   | 2,6   | 41,9  |
| 78    | 6   | 3,1   | 3,1   | 45,0  |
| 79    | 6   | 3,1   | 3,1   | 48,2  |
| 80    | 10  | 5,2   | 5,2   | 53,4  |
| 81    | 3   | 1,6   | 1,6   | 55,0  |
| 82    | 4   | 2,1   | 2,1   | 57,1  |
| 83    | 6   | 3,1   | 3,1   | 60,2  |
| 84    | 6   | 3,1   | 3,1   | 63,4  |
| 85    | 5   | 2,6   | 2,6   | 66,0  |
| 86    | 5   | 2,6   | 2,6   | 68,6  |
| 87    | 6   | 3,1   | 3,1   | 71,7  |
| 88    | 2   | 1,0   | 1,0   | 72,8  |
| 89    | 4   | 2,1   | 2,1   | 74,9  |
| 90    | 3   | 1,6   | 1,6   | 76,4  |
| 92    | 2   | 1,0   | 1,0   | 77,5  |
| 96    | 3   | 1,6   | 1,6   | 79,1  |
| 97    | 2   | 1,0   | 1,0   | 80,1  |
| 98    | 4   | 2,1   | 2,1   | 82,2  |
| 100   | 2   | 1,0   | 1,0   | 83,2  |
| 104   | 1   | ,5    | ,5    | 83,8  |
| 108   | 2   | 1,0   | 1,0   | 84,8  |
| 110   | 3   | 1,6   | 1,6   | 86,4  |
| 112   | 1   | ,5    | ,5    | 86,9  |
| 114   | 2   | 1,0   | 1,0   | 88,0  |
| 116   | 1   | ,5    | ,5    | 88,5  |
| 118   | 2   | 1,0   | 1,0   | 89,5  |
| 120   | 5   | 2,6   | 2,6   | 92,1  |
| 121   | 2   | 1,0   | 1,0   | 93,2  |
| 122   | 3   | 1,6   | 1,6   | 94,8  |
| 124   | 1   | ,5    | ,5    | 95,3  |
| 125   | 4   | 2,1   | 2,1   | 97,4  |
| 126   | 1   | ,5    | ,5    | 97,9  |
| 128   | 2   | 1,0   | 1,0   | 99,0  |
| 130   | 1   | ,5    | ,5    | 99,5  |
| 132   | 1   | ,5    | ,5    | 100,0 |
| Total | 191 | 100,0 | 100,0 |       |

| Sikap Ilmiah ( $X_2$ ) |    |           |         |               |                    |
|------------------------|----|-----------|---------|---------------|--------------------|
|                        |    | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid                  | 52 | 4         | 2,1     | 2,1           | 2,1                |
|                        | 53 | 4         | 2,1     | 2,1           | 4,2                |
|                        | 54 | 1         | ,5      | ,5            | 4,7                |
|                        | 55 | 4         | 2,1     | 2,1           | 6,8                |
|                        | 57 | 2         | 1,0     | 1,0           | 7,9                |
|                        | 58 | 3         | 1,6     | 1,6           | 9,4                |
|                        | 59 | 1         | ,5      | ,5            | 9,9                |
|                        | 60 | 4         | 2,1     | 2,1           | 12,0               |
|                        | 61 | 1         | ,5      | ,5            | 12,6               |
|                        | 62 | 5         | 2,6     | 2,6           | 15,2               |
|                        | 63 | 3         | 1,6     | 1,6           | 16,8               |
|                        | 64 | 3         | 1,6     | 1,6           | 18,3               |

|       |     |       |       |       |
|-------|-----|-------|-------|-------|
| 65    | 7   | 3,7   | 3,7   | 22,0  |
| 66    | 2   | 1,0   | 1,0   | 23,0  |
| 67    | 2   | 1,0   | 1,0   | 24,1  |
| 68    | 12  | 6,3   | 6,3   | 30,4  |
| 69    | 3   | 1,6   | 1,6   | 31,9  |
| 70    | 3   | 1,6   | 1,6   | 33,5  |
| 72    | 4   | 2,1   | 2,1   | 35,6  |
| 73    | 4   | 2,1   | 2,1   | 37,7  |
| 74    | 5   | 2,6   | 2,6   | 40,3  |
| 75    | 13  | 6,8   | 6,8   | 47,1  |
| 76    | 9   | 4,7   | 4,7   | 51,8  |
| 77    | 1   | ,5    | ,5    | 52,4  |
| 78    | 11  | 5,8   | 5,8   | 58,1  |
| 79    | 5   | 2,6   | 2,6   | 60,7  |
| 80    | 6   | 3,1   | 3,1   | 63,9  |
| 81    | 1   | ,5    | ,5    | 64,4  |
| 82    | 3   | 1,6   | 1,6   | 66,0  |
| 84    | 1   | ,5    | ,5    | 66,5  |
| 85    | 7   | 3,7   | 3,7   | 70,2  |
| 86    | 3   | 1,6   | 1,6   | 71,7  |
| 87    | 2   | 1,0   | 1,0   | 72,8  |
| 89    | 6   | 3,1   | 3,1   | 75,9  |
| 90    | 3   | 1,6   | 1,6   | 77,5  |
| 93    | 1   | ,5    | ,5    | 78,0  |
| 96    | 2   | 1,0   | 1,0   | 79,1  |
| 97    | 2   | 1,0   | 1,0   | 80,1  |
| 98    | 3   | 1,6   | 1,6   | 81,7  |
| 100   | 4   | 2,1   | 2,1   | 83,8  |
| 105   | 1   | ,5    | ,5    | 84,3  |
| 109   | 1   | ,5    | ,5    | 84,8  |
| 110   | 4   | 2,1   | 2,1   | 86,9  |
| 112   | 1   | ,5    | ,5    | 87,4  |
| 113   | 1   | ,5    | ,5    | 88,0  |
| 114   | 1   | ,5    | ,5    | 88,5  |
| 115   | 3   | 1,6   | 1,6   | 90,1  |
| 116   | 2   | 1,0   | 1,0   | 91,1  |
| 117   | 2   | 1,0   | 1,0   | 92,1  |
| 118   | 3   | 1,6   | 1,6   | 93,7  |
| 120   | 7   | 3,7   | 3,7   | 97,4  |
| 122   | 2   | 1,0   | 1,0   | 98,4  |
| 124   | 1   | ,5    | ,5    | 99,0  |
| 127   | 1   | ,5    | ,5    | 99,5  |
| 130   | 1   | ,5    | ,5    | 100,0 |
| Total | 191 | 100,0 | 100,0 |       |

| Prestasi Belajar IPA |       |           |         |               |                    |
|----------------------|-------|-----------|---------|---------------|--------------------|
|                      |       | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid                | 20    | 1         | ,5      | ,5            | ,5                 |
|                      | 28    | 2         | 1,0     | 1,0           | 1,6                |
|                      | 32    | 11        | 5,8     | 5,8           | 7,3                |
|                      | 36    | 10        | 5,2     | 5,2           | 12,6               |
|                      | 40    | 8         | 4,2     | 4,2           | 16,8               |
|                      | 44    | 15        | 7,9     | 7,9           | 24,6               |
|                      | 48    | 23        | 12,0    | 12,0          | 36,6               |
|                      | 52    | 23        | 12,0    | 12,0          | 48,7               |
|                      | 56    | 20        | 10,5    | 10,5          | 59,2               |
|                      | 60    | 11        | 5,8     | 5,8           | 64,9               |
|                      | 64    | 7         | 3,7     | 3,7           | 68,6               |
|                      | 68    | 14        | 7,3     | 7,3           | 75,9               |
|                      | 72    | 9         | 4,7     | 4,7           | 80,6               |
|                      | 76    | 9         | 4,7     | 4,7           | 85,3               |
|                      | 80    | 9         | 4,7     | 4,7           | 90,1               |
|                      | 84    | 7         | 3,7     | 3,7           | 93,7               |
|                      | 88    | 10        | 5,2     | 5,2           | 99,0               |
|                      | 92    | 2         | 1,0     | 1,0           | 100,0              |
|                      | Total | 191       | 100,0   | 100,0         |                    |



## Lampiran 26

## DESKRIPSI DIMENSI MOTIVASI BELAJAR SISWA KELAS VIII

## SMP NEGERI 1 SINGARAJA

| No | Dimensi                                  | No butir | Jumlah Skor | Skor Rerata | Skor Ideal | Skor Konversi | Kategori |
|----|------------------------------------------|----------|-------------|-------------|------------|---------------|----------|
| 1  | Keinginan atau dorongan mencapai sesuatu | 1        | 635         | 25,47       | 45         | 84,90         | Sedang   |
|    |                                          | 2        | 658         |             |            |               |          |
|    |                                          | 3        | 512         |             |            |               |          |
|    |                                          | 4        | 499         |             |            |               |          |
|    |                                          | 5        | 493         |             |            |               |          |
|    |                                          | 6        | 565         |             |            |               |          |
|    |                                          | 7        | 549         |             |            |               |          |
|    |                                          | 8        | 487         |             |            |               |          |
|    |                                          | 9        | 467         |             |            |               |          |
| 2  | Komitmen                                 | 10       | 527         | 22,09       | 40         | 82,85         | Sedang   |
|    |                                          | 11       | 518         |             |            |               |          |
|    |                                          | 12       | 507         |             |            |               |          |
|    |                                          | 13       | 475         |             |            |               |          |
|    |                                          | 14       | 603         |             |            |               |          |
|    |                                          | 15       | 585         |             |            |               |          |
|    |                                          | 16       | 502         |             |            |               |          |
|    |                                          | 17       | 503         |             |            |               |          |
| 3  | Inisiatif untuk belajar                  | 18       | 527         | 24,50       | 45         | 81,68         | Sedang   |
|    |                                          | 19       | 527         |             |            |               |          |
|    |                                          | 20       | 512         |             |            |               |          |
|    |                                          | 21       | 506         |             |            |               |          |
|    |                                          | 22       | 514         |             |            |               |          |
|    |                                          | 23       | 546         |             |            |               |          |
|    |                                          | 24       | 535         |             |            |               |          |
|    |                                          | 25       | 510         |             |            |               |          |
|    |                                          | 26       | 503         |             |            |               |          |
| 4  | Optimis                                  | 27       | 549         | 10,92       | 20         | 81,87         | Sedang   |
|    |                                          | 28       | 534         |             |            |               |          |
|    |                                          | 29       | 503         |             |            |               |          |
|    |                                          | 30       | 499         |             |            |               |          |

Keterangan:

Skor rerata = jumlah skor tiap dimensi : jumlah responden

Skor konversi = (skor rerata : skor ideal) x 100



## Lampiran 27

## DESKRIPSI DIMENSI SIKAP ILMIAH SISWA KELAS VIII

## SMP NEGERI 1 SINGARAJA

| No | Dimensi                                              | No butir | Jumlah Skor | Skor Rerata | Skor Ideal | Skor Konversi | Kategori |        |
|----|------------------------------------------------------|----------|-------------|-------------|------------|---------------|----------|--------|
| 1  | Curiosity<br>(Sikap rasa ingin tahu)                 | 1        | 602         | 3258        | 17,06      | 30            | 85,29    | Sedang |
|    |                                                      | 2        | 614         |             |            |               |          |        |
|    |                                                      | 3        | 501         |             |            |               |          |        |
|    |                                                      | 4        | 522         |             |            |               |          |        |
|    |                                                      | 5        | 523         |             |            |               |          |        |
|    |                                                      | 6        | 496         |             |            |               |          |        |
| 2  | Critical Thinking<br>(sikap berpikir kritis)         | 7        | 527         | 3565        | 18,66      | 35            | 80       | Sedang |
|    |                                                      | 8        | 524         |             |            |               |          |        |
|    |                                                      | 9        | 499         |             |            |               |          |        |
|    |                                                      | 10       | 517         |             |            |               |          |        |
|    |                                                      | 11       | 524         |             |            |               |          |        |
|    |                                                      | 12       | 497         |             |            |               |          |        |
| 3  | Perseverance<br>(Ketekunan)                          | 13       | 477         | 2012        | 10,53      | 20            | 79,01    | Rendah |
|    |                                                      | 14       | 502         |             |            |               |          |        |
|    |                                                      | 15       | 565         |             |            |               |          |        |
|    |                                                      | 16       | 506         |             |            |               |          |        |
| 4  | Respect for Evidence<br>(menghargai bukti)           | 17       | 439         | 3011        | 15,76      | 30            | 78,82    | Rendah |
|    |                                                      | 18       | 544         |             |            |               |          |        |
|    |                                                      | 19       | 523         |             |            |               |          |        |
|    |                                                      | 20       | 458         |             |            |               |          |        |
|    |                                                      | 21       | 554         |             |            |               |          |        |
|    |                                                      | 22       | 473         |             |            |               |          |        |
| 5  | Skepticism<br>(sikap keragu-raguan terhadap sesuatu) | 23       | 459         | 3598        | 18,84      | 35            | 80,73    | Sedang |
|    |                                                      | 24       | 506         |             |            |               |          |        |
|    |                                                      | 25       | 518         |             |            |               |          |        |
|    |                                                      | 26       | 485         |             |            |               |          |        |
|    |                                                      | 27       | 502         |             |            |               |          |        |
|    |                                                      | 28       | 534         |             |            |               |          |        |
|    |                                                      | 29       | 537         |             |            |               |          |        |
| 30 | 516                                                  |          |             |             |            |               |          |        |

Keterangan:

Skor rerata = jumlah skor tiap dimensi : jumlah responden

Skor konversi = (skor rerata : skor ideal) x 100

## Lampiran 28

## DESKRIPSI DIMENSI PRESTASI BELAJAR SISWA KELAS VIII

## SMP NEGERI 1 SINGARAJA

## A. Pengetahuan

| No | Dimensi    | No Butir | Jumlah Skor |      | Skor Rerata | Skor Ideal | Skor Konversi | Kategori |
|----|------------|----------|-------------|------|-------------|------------|---------------|----------|
| 1  | Faktual    | 1        | 166         | 881  | 4,61        | 7          | 65,9          | sedang   |
|    |            | 15       | 136         |      |             |            |               |          |
|    |            | 16       | 140         |      |             |            |               |          |
|    |            | 17       | 90          |      |             |            |               |          |
|    |            | 21       | 115         |      |             |            |               |          |
|    |            | 22       | 98          |      |             |            |               |          |
|    |            | 25       | 136         |      |             |            |               |          |
| 2  | Konseptual | 2        | 125         | 1857 | 9,72        | 18         | 54            | rendah   |
|    |            | 3        | 62          |      |             |            |               |          |
|    |            | 4        | 106         |      |             |            |               |          |
|    |            | 5        | 88          |      |             |            |               |          |
|    |            | 23       | 83          |      |             |            |               |          |
|    |            | 24       | 149         |      |             |            |               |          |
|    |            | 6        | 38          |      |             |            |               |          |
|    |            | 7        | 104         |      |             |            |               |          |
|    |            | 8        | 108         |      |             |            |               |          |
|    |            | 9        | 98          |      |             |            |               |          |
|    |            | 10       | 96          |      |             |            |               |          |
|    |            | 11       | 141         |      |             |            |               |          |
|    |            | 13       | 95          |      |             |            |               |          |
|    |            | 14       | 140         |      |             |            |               |          |
|    |            | 18       | 99          |      |             |            |               |          |
|    |            | 12       | 70          |      |             |            |               |          |
|    |            | 19       | 158         |      |             |            |               |          |
|    |            | 20       | 97          |      |             |            |               |          |

## B. Proses Kognitif

| No | Dimensi        | No butir | jumlah skor |     | skor rerata | skor ideal | skor konversi | kategori      |
|----|----------------|----------|-------------|-----|-------------|------------|---------------|---------------|
| 1  | mengingat (C1) | 1        | 166         | 166 | 0,87        | 1          | 86,9          | Sangat Tinggi |
| 2  |                | 15       | 136         | 715 | 3,74        | 6          | 62,4          | Sedang        |

|   |                   |    |     |     |      |   |      |               |
|---|-------------------|----|-----|-----|------|---|------|---------------|
|   | Memahami (C2)     | 16 | 140 |     |      |   |      |               |
|   |                   | 17 | 90  |     |      |   |      |               |
|   |                   | 21 | 115 |     |      |   |      |               |
|   |                   | 22 | 98  |     |      |   |      |               |
|   |                   | 25 | 136 |     |      |   |      |               |
| 3 | Menerapkan (C3)   | 2  | 125 | 613 | 3,21 | 6 | 53,5 | Sedang        |
|   |                   | 3  | 62  |     |      |   |      |               |
|   |                   | 4  | 106 |     |      |   |      |               |
|   |                   | 5  | 88  |     |      |   |      |               |
|   |                   | 23 | 83  |     |      |   |      |               |
|   |                   | 24 | 149 |     |      |   |      |               |
| 4 | Menganalisis (C4) | 6  | 38  | 919 | 4,81 | 9 | 53,5 | Sedang        |
|   |                   | 7  | 104 |     |      |   |      |               |
|   |                   | 8  | 108 |     |      |   |      |               |
|   |                   | 9  | 98  |     |      |   |      |               |
|   |                   | 10 | 96  |     |      |   |      |               |
|   |                   | 11 | 141 |     |      |   |      |               |
|   |                   | 13 | 95  |     |      |   |      |               |
|   |                   | 14 | 140 |     |      |   |      |               |
|   |                   | 18 | 99  |     |      |   |      |               |
| 5 | Mengevaluasi (C5) | 12 | 70  | 70  | 0,37 | 1 | 36,6 | Sangat Rendah |
| 6 | Mencipta (C6)     | 19 | 158 | 255 | 1,34 | 2 | 66,8 | Sedang        |
|   |                   | 20 | 97  |     |      |   |      |               |

Keterangan:

Skor rerata = jumlah skor tiap dimensi : jumlah responden

Skor konversi = (skor rerata : skor ideal) x 100

## Lampiran 29

**OUTPUT SPSS UJI NORMALITAS****One-Sample Kolmogorov-Smirnov Test**

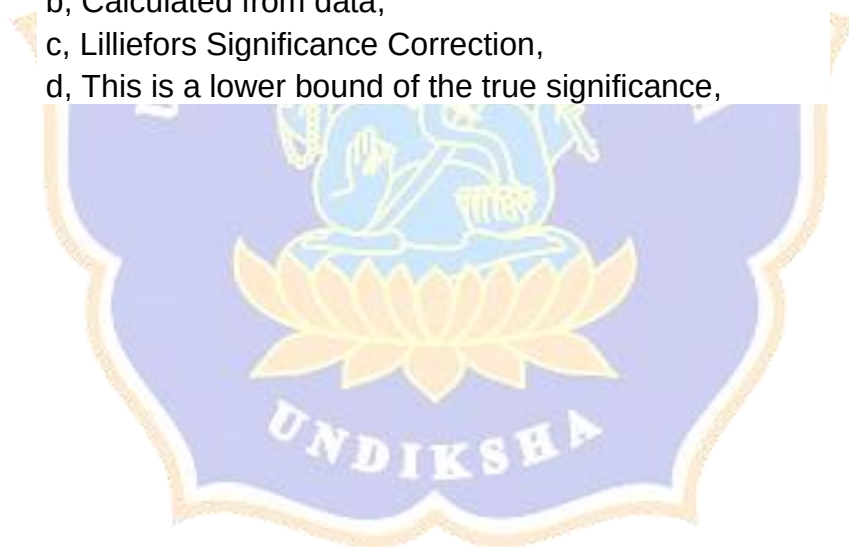
|                                  |                | Unstandardized Residual |
|----------------------------------|----------------|-------------------------|
| N                                |                | 191                     |
| Normal Parameters <sup>a,b</sup> | Mean           | ,0000000                |
|                                  | Std. Deviation | 6,58936883              |
|                                  |                |                         |
| Most Extreme Differences         | Absolute       | ,047                    |
|                                  | Positive       | ,034                    |
|                                  | Negative       | -,047                   |
| Test Statistic                   |                | ,047                    |
| Asymp. Sig. (2-tailed)           |                | ,200 <sup>c,d</sup>     |

a, Test distribution is Normal,

b, Calculated from data,

c, Lilliefors Significance Correction,

d, This is a lower bound of the true significance,



## Lampiran 30

**OUTPUT SPSS UJI LINEARITAS DAN KEBERARTIAN REGRESI****Uji Linieritas Motivasi Belajar dan Prestasi Belajar**

| ANOVA Table                             |                |                          |                |     |             |         |      |
|-----------------------------------------|----------------|--------------------------|----------------|-----|-------------|---------|------|
|                                         |                |                          | Sum of Squares | df  | Mean Square | F       | Sig. |
| prestasi belajar IPA * motivasi belajar | Between Groups | (Combined)               | 44506,518      | 57  | 780,816     | 16,110  | ,000 |
|                                         |                | Linearity                | 41264,135      | 1   | 41264,135   | 851,353 | ,000 |
|                                         |                | Deviation from Linearity | 3242,382       | 56  | 57,900      | 1,195   | ,204 |
|                                         | Within Groups  |                          | 6446,362       | 133 | 48,469      |         |      |
|                                         | Total          |                          | 50952,880      | 190 |             |         |      |

**Uji Linieritas Sikap Ilmiah dan Prestasi Belajar**

| ANOVA Table                         |                |                          |                |     |             |         |      |
|-------------------------------------|----------------|--------------------------|----------------|-----|-------------|---------|------|
|                                     |                |                          | Sum of Squares | df  | Mean Square | F       | Sig. |
| prestasi belajar IPA * sikap ilmiah | Between Groups | (Combined)               | 43642,386      | 54  | 808,192     | 15,035  | ,000 |
|                                     |                | Linearity                | 40705,615      | 1   | 40705,615   | 757,263 | ,000 |
|                                     |                | Deviation from Linearity | 2936,770       | 53  | 55,411      | 1,031   | ,434 |
|                                     | Within Groups  |                          | 7310,494       | 136 | 53,754      |         |      |
|                                     | Total          |                          | 50952,880      | 190 |             |         |      |



## Lampiran 31

**OUTPUT SPSS UJI MULTIKOLINIERITAS**

| <b>Coefficients<sup>a</sup></b> |                  |                             |            |                           |        |      |                         |       |
|---------------------------------|------------------|-----------------------------|------------|---------------------------|--------|------|-------------------------|-------|
| Model                           |                  | Unstandardized Coefficients |            | Standardized Coefficients | t      | Sig. | Collinearity Statistics |       |
|                                 |                  | B                           | Std. Error | Beta                      |        |      | Tolerance               | VIF   |
| 1                               | (Constant)       | -6,928                      | 2,115      |                           | -3,275 | ,001 |                         |       |
|                                 | motivasi belajar | ,421                        | ,062       | ,505                      | 6,747  | ,000 | ,154                    | 6,513 |
|                                 | sikap ilmiah     | ,363                        | ,063       | ,429                      | 5,726  | ,000 | ,154                    | 6,513 |

a. Dependent Variable: prestasi belajar IPA



## Lampiran 32

**OUTPUT SPSS UJI AUTOKORELASI**

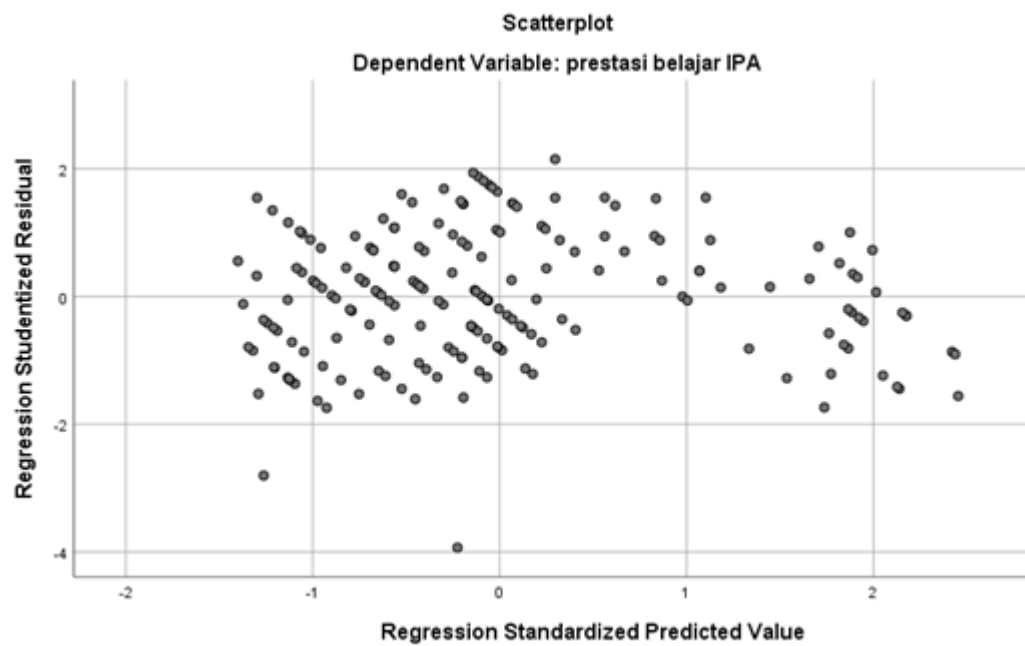
| <b>Model Summary<sup>b</sup></b> |                   |          |                   |                            |               |
|----------------------------------|-------------------|----------|-------------------|----------------------------|---------------|
| Model                            | R                 | R Square | Adjusted R Square | Std. Error of the Estimate | Durbin-Watson |
| 1                                | ,915 <sup>a</sup> | ,838     | ,836              | 6,624                      | 2,090         |

a, Predictors: (Constant), sikap ilmiah, motivasi belajar

b, Dependent Variable: prestasi belajar IPA



## Lampiran 33

**OUTPUT SPSS Uji HETEROKEDASTISITAS**

## Lampiran 34

## OUPUT SPSS UJI REGRESI

## Uji Regresi Motivasi Belajar dan Prestasi Belajar

| Variables Entered/Removed <sup>a</sup>      |                               |                   |        |
|---------------------------------------------|-------------------------------|-------------------|--------|
| Model                                       | Variables Entered             | Variables Removed | Method |
| 1                                           | motivasi belajar <sup>b</sup> |                   | Enter  |
| a, Dependent Variable: prestasi belajar IPA |                               |                   |        |
| b, All requested variables entered,         |                               |                   |        |

| Model Summary <sup>b</sup>                  |                   |          |                   |                            |
|---------------------------------------------|-------------------|----------|-------------------|----------------------------|
| Model                                       | R                 | R Square | Adjusted R Square | Std. Error of the Estimate |
| 1                                           | ,900 <sup>a</sup> | ,810     | ,809              | 7,160                      |
| a, Predictors: (Constant), motivasi belajar |                   |          |                   |                            |
| b, Dependent Variable: prestasi belajar IPA |                   |          |                   |                            |

| ANOVA <sup>a</sup>                          |            |                |     |             |         |                   |
|---------------------------------------------|------------|----------------|-----|-------------|---------|-------------------|
| Model                                       |            | Sum of Squares | df  | Mean Square | F       | Sig.              |
| 1                                           | Regression | 41264,135      | 1   | 41264,135   | 804,947 | ,000 <sup>b</sup> |
|                                             | Residual   | 9688,744       | 189 | 51,263      |         |                   |
|                                             | Total      | 50952,880      | 190 |             |         |                   |
| a, Dependent Variable: prestasi belajar IPA |            |                |     |             |         |                   |
| b, Predictors: (Constant), motivasi belajar |            |                |     |             |         |                   |

| Coefficients <sup>a</sup>                   |                  |                             |            |                           |      |
|---------------------------------------------|------------------|-----------------------------|------------|---------------------------|------|
| Model                                       |                  | Unstandardized Coefficients |            | Standardized Coefficients | Sig. |
|                                             |                  | B                           | Std. Error | Beta                      |      |
| 1                                           | (Constant)       | -4,860                      | 2,253      |                           | ,032 |
|                                             | motivasi belajar | ,750                        | ,026       | ,900                      | ,000 |
| a, Dependent Variable: prestasi belajar IPA |                  |                             |            |                           |      |

## Uji Regresi Sikap Ilmiah dan Prestasi Belajar

| Variables Entered/Removed <sup>a</sup> |                           |                   |        |
|----------------------------------------|---------------------------|-------------------|--------|
| Model                                  | Variables Entered         | Variables Removed | Method |
| 1                                      | sikap ilmiah <sup>b</sup> |                   | Enter  |

a, Dependent Variable: prestasi belajar IPA

b, All requested variables entered,

| Model Summary <sup>b</sup>                  |                   |          |                   |                            |
|---------------------------------------------|-------------------|----------|-------------------|----------------------------|
| Model                                       | R                 | R Square | Adjusted R Square | Std. Error of the Estimate |
| 1                                           | ,894 <sup>a</sup> | ,799     | ,798              | 7,363                      |
| a. Predictors: (Constant), sikap ilmiah     |                   |          |                   |                            |
| b. Dependent Variable: prestasi belajar IPA |                   |          |                   |                            |

| ANOVA <sup>a</sup> |            |                |     |             |         |                   |
|--------------------|------------|----------------|-----|-------------|---------|-------------------|
| Model              |            | Sum of Squares | df  | Mean Square | F       | Sig.              |
| 1                  | Regression | 40705,615      | 1   | 40705,615   | 750,772 | ,000 <sup>b</sup> |
|                    | Residual   | 10247,264      | 189 | 54,218      |         |                   |
|                    | Total      | 50952,880      | 190 |             |         |                   |

a, Dependent Variable: prestasi belajar IPA

b, Predictors: (Constant), sikap ilmiah

| Coefficients <sup>a</sup> |              |                             |            |                           |        |      |
|---------------------------|--------------|-----------------------------|------------|---------------------------|--------|------|
| Model                     |              | Unstandardized Coefficients |            | Standardized Coefficients | t      | Sig. |
|                           |              | B                           | Std. Error | Beta                      |        |      |
| 1                         | (Constant)   | -3,806                      | 2,294      |                           | -1,659 | ,099 |
|                           | sikap ilmiah | ,756                        | ,028       | ,894                      | 27,400 | ,000 |

a. Dependent Variable: prestasi belajar IPA



### Uji Regresi Motivasi Belajar dan Sikap Ilmiah terhadap Prestasi Belajar IPA

| Variables Entered/Removed <sup>a</sup>      |                                             |                   |        |
|---------------------------------------------|---------------------------------------------|-------------------|--------|
| Model                                       | Variables Entered                           | Variables Removed | Method |
| 1                                           | sikap ilmiah, motivasi belajar <sup>b</sup> |                   | Enter  |
| a, Dependent Variable: prestasi belajar IPA |                                             |                   |        |
| b, All requested variables entered,         |                                             |                   |        |

| Model Summary <sup>b</sup>                                |                   |          |                   |                            |
|-----------------------------------------------------------|-------------------|----------|-------------------|----------------------------|
| Model                                                     | R                 | R Square | Adjusted R Square | Std. Error of the Estimate |
| 1                                                         | ,915 <sup>a</sup> | ,838     | ,836              | 6,624                      |
| a, Predictors: (Constant), sikap ilmiah, motivasi belajar |                   |          |                   |                            |
| b, Dependent Variable: prestasi belajar IPA               |                   |          |                   |                            |

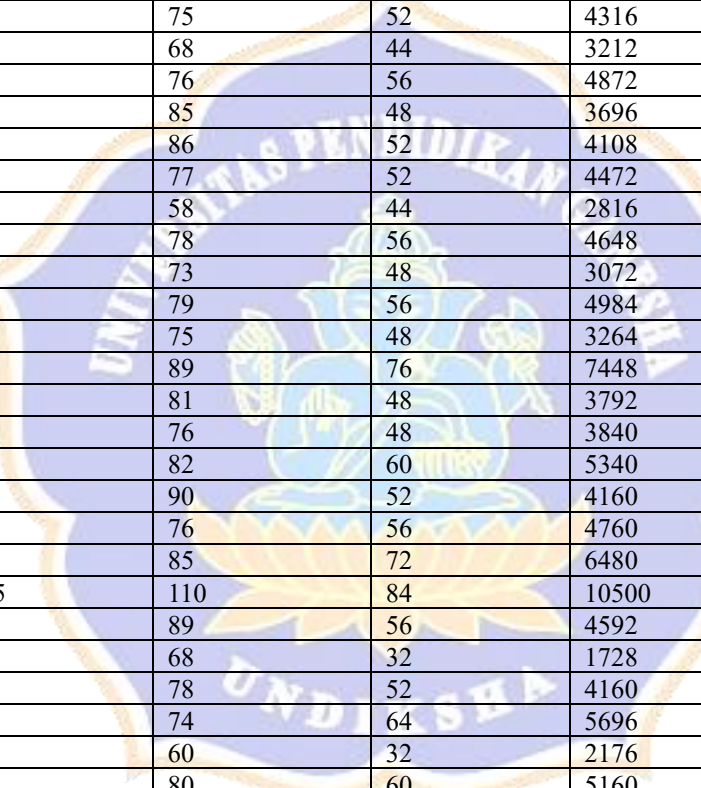
| ANOVA <sup>a</sup>                                        |            |                |     |             |         |                   |
|-----------------------------------------------------------|------------|----------------|-----|-------------|---------|-------------------|
| Model                                                     |            | Sum of Squares | df  | Mean Square | F       | Sig.              |
| 1                                                         | Regression | 42703,121      | 2   | 21351,561   | 486,571 | ,000 <sup>b</sup> |
|                                                           | Residual   | 8249,758       | 188 | 43,882      |         |                   |
|                                                           | Total      | 50952,880      | 190 |             |         |                   |
| a, Dependent Variable: prestasi belajar IPA               |            |                |     |             |         |                   |
| b, Predictors: (Constant), sikap ilmiah, motivasi belajar |            |                |     |             |         |                   |

| Coefficients <sup>a</sup>                   |                  |                             |            |                           |      |
|---------------------------------------------|------------------|-----------------------------|------------|---------------------------|------|
| Model                                       |                  | Unstandardized Coefficients |            | Standardized Coefficients | Sig. |
|                                             |                  | B                           | Std. Error | Beta                      |      |
| 1                                           | (Constant)       | -6,928                      | 2,115      |                           | ,001 |
|                                             | motivasi belajar | ,421                        | ,062       | ,505                      | ,000 |
|                                             | sikap ilmiah     | ,363                        | ,063       | ,429                      | ,000 |
| a, Dependent Variable: prestasi belajar IPA |                  |                             |            |                           |      |

## Lampiran 35

## PERHITUNGAN SE DAN SR

| No  | Motivasi Belajar ( $X_1$ ) | Sikap Ilmiah ( $X_2$ ) | Prestasi Belajar IPA (Y) | $X_1Y$ | $X_2Y$ |
|-----|----------------------------|------------------------|--------------------------|--------|--------|
| 1.  | 80                         | 65                     | 60                       | 4800   | 3900   |
| 2.  | 114                        | 120                    | 88                       | 10032  | 10560  |
| 3.  | 82                         | 74                     | 64                       | 5248   | 4736   |
| 4.  | 56                         | 60                     | 20                       | 1120   | 1200   |
| 5.  | 96                         | 89                     | 76                       | 7296   | 6764   |
| 6.  | 74                         | 68                     | 56                       | 4144   | 3808   |
| 7.  | 84                         | 79                     | 64                       | 5376   | 5056   |
| 8.  | 78                         | 70                     | 56                       | 4368   | 3920   |
| 9.  | 87                         | 79                     | 68                       | 5916   | 5372   |
| 10. | 72                         | 65                     | 52                       | 3744   | 3380   |
| 11. | 80                         | 72                     | 64                       | 5120   | 4608   |
| 12. | 77                         | 70                     | 56                       | 4312   | 3920   |
| 13. | 90                         | 85                     | 76                       | 6840   | 6460   |
| 14. | 85                         | 78                     | 68                       | 5780   | 5304   |
| 15. | 120                        | 115                    | 80                       | 9600   | 9200   |
| 16. | 84                         | 75                     | 68                       | 5712   | 5100   |
| 17. | 86                         | 75                     | 68                       | 5848   | 5100   |
| 18. | 59                         | 65                     | 48                       | 2832   | 3120   |
| 19. | 55                         | 60                     | 28                       | 1540   | 1680   |
| 20. | 59                         | 55                     | 40                       | 2360   | 2200   |
| 21. | 83                         | 75                     | 68                       | 5644   | 5100   |
| 22. | 68                         | 55                     | 36                       | 2448   | 1980   |
| 23. | 122                        | 116                    | 84                       | 10248  | 9744   |
| 24. | 85                         | 75                     | 68                       | 5780   | 5100   |
| 25. | 80                         | 75                     | 28                       | 2240   | 2100   |
| 26. | 56                         | 68                     | 48                       | 2688   | 3264   |
| 27. | 73                         | 69                     | 52                       | 3796   | 3588   |
| 28. | 125                        | 122                    | 88                       | 11000  | 10736  |
| 29. | 96                         | 100                    | 76                       | 7296   | 7600   |
| 30. | 68                         | 75                     | 52                       | 3536   | 3900   |
| 31. | 65                         | 55                     | 48                       | 3120   | 2640   |
| 32. | 96                         | 89                     | 72                       | 6912   | 6408   |
| 33. | 55                         | 62                     | 36                       | 1980   | 2232   |
| 34. | 62                         | 55                     | 48                       | 2976   | 2640   |
| 35. | 80                         | 74                     | 60                       | 4800   | 4440   |
| 36. | 53                         | 62                     | 48                       | 2544   | 2976   |
| 37. | 108                        | 96                     | 76                       | 8208   | 7296   |
| 38. | 74                         | 80                     | 48                       | 3552   | 3840   |
| 39. | 69                         | 60                     | 44                       | 3036   | 2640   |
| 40. | 79                         | 72                     | 60                       | 4740   | 4320   |
| 41. | 65                         | 76                     | 56                       | 3640   | 4256   |
| 42. | 70                         | 68                     | 52                       | 3640   | 3536   |
| 43. | 118                        | 100                    | 80                       | 9440   | 8000   |
| 44. | 65                         | 69                     | 44                       | 2860   | 3036   |
| 45. | 69                         | 64                     | 44                       | 3036   | 2816   |
| 46. | 120                        | 116                    | 88                       | 10560  | 10208  |



|      |     |     |    |       |      |
|------|-----|-----|----|-------|------|
| 47.  | 69  | 58  | 36 | 2484  | 2088 |
| 48.  | 69  | 62  | 36 | 2484  | 2232 |
| 49.  | 58  | 52  | 40 | 2320  | 2080 |
| 50.  | 97  | 105 | 72 | 6984  | 7560 |
| 51.  | 68  | 57  | 44 | 2992  | 2508 |
| 52.  | 62  | 53  | 36 | 2232  | 1908 |
| 53.  | 92  | 87  | 68 | 6256  | 5916 |
| 54.  | 80  | 76  | 48 | 3840  | 3648 |
| 55.  | 78  | 65  | 60 | 4680  | 3900 |
| 56.  | 79  | 68  | 48 | 3792  | 3264 |
| 57.  | 69  | 78  | 52 | 3588  | 4056 |
| 58.  | 64  | 76  | 48 | 3072  | 3648 |
| 59.  | 81  | 75  | 64 | 5184  | 4800 |
| 60.  | 59  | 65  | 44 | 2596  | 2860 |
| 61.  | 60  | 67  | 44 | 2640  | 2948 |
| 62.  | 76  | 85  | 56 | 4256  | 4760 |
| 63.  | 83  | 75  | 52 | 4316  | 3900 |
| 64.  | 73  | 68  | 44 | 3212  | 2992 |
| 65.  | 87  | 76  | 56 | 4872  | 4256 |
| 66.  | 77  | 85  | 48 | 3696  | 4080 |
| 67.  | 79  | 86  | 52 | 4108  | 4472 |
| 68.  | 86  | 77  | 52 | 4472  | 4004 |
| 69.  | 64  | 58  | 44 | 2816  | 2552 |
| 70.  | 83  | 78  | 56 | 4648  | 4368 |
| 71.  | 64  | 73  | 48 | 3072  | 3504 |
| 72.  | 89  | 79  | 56 | 4984  | 4424 |
| 73.  | 68  | 75  | 48 | 3264  | 3600 |
| 74.  | 98  | 89  | 76 | 7448  | 6764 |
| 75.  | 79  | 81  | 48 | 3792  | 3888 |
| 76.  | 80  | 76  | 48 | 3840  | 3648 |
| 77.  | 89  | 82  | 60 | 5340  | 4920 |
| 78.  | 80  | 90  | 52 | 4160  | 4680 |
| 79.  | 85  | 76  | 56 | 4760  | 4256 |
| 80.  | 90  | 85  | 72 | 6480  | 6120 |
| 81.  | 125 | 110 | 84 | 10500 | 9240 |
| 82.  | 82  | 89  | 56 | 4592  | 4984 |
| 83.  | 54  | 68  | 32 | 1728  | 2176 |
| 84.  | 80  | 78  | 52 | 4160  | 4056 |
| 85.  | 89  | 74  | 64 | 5696  | 4736 |
| 86.  | 68  | 60  | 32 | 2176  | 1920 |
| 87.  | 86  | 80  | 60 | 5160  | 4800 |
| 88.  | 78  | 65  | 40 | 3120  | 2600 |
| 89.  | 85  | 73  | 56 | 4760  | 4088 |
| 90.  | 87  | 93  | 60 | 5220  | 5580 |
| 91.  | 73  | 68  | 48 | 3504  | 3264 |
| 92.  | 82  | 74  | 44 | 3608  | 3256 |
| 93.  | 68  | 62  | 44 | 2992  | 2728 |
| 94.  | 83  | 76  | 52 | 4316  | 3952 |
| 95.  | 84  | 87  | 52 | 4368  | 4524 |
| 96.  | 58  | 68  | 48 | 2784  | 3264 |
| 97.  | 65  | 75  | 40 | 2600  | 3000 |
| 98.  | 88  | 97  | 68 | 5984  | 6596 |
| 99.  | 86  | 79  | 56 | 4816  | 4424 |
| 100. | 77  | 70  | 44 | 3388  | 3080 |
| 101. | 98  | 110 | 80 | 7840  | 8800 |

|      |     |     |    |       |       |
|------|-----|-----|----|-------|-------|
| 102. | 78  | 68  | 40 | 3120  | 2720  |
| 103. | 92  | 98  | 72 | 6624  | 7056  |
| 104. | 85  | 78  | 52 | 4420  | 4056  |
| 105. | 84  | 90  | 64 | 5376  | 5760  |
| 106. | 68  | 73  | 40 | 2720  | 2920  |
| 107. | 67  | 72  | 48 | 3216  | 3456  |
| 108. | 72  | 85  | 64 | 4608  | 5440  |
| 109. | 77  | 74  | 44 | 3388  | 3256  |
| 110. | 87  | 90  | 60 | 5220  | 5400  |
| 111. | 64  | 86  | 52 | 3328  | 4472  |
| 112. | 121 | 120 | 88 | 10648 | 10560 |
| 113. | 118 | 112 | 72 | 8496  | 8064  |
| 114. | 122 | 118 | 92 | 11224 | 10856 |
| 115. | 68  | 82  | 44 | 2992  | 3608  |
| 116. | 64  | 73  | 48 | 3072  | 3504  |
| 117. | 73  | 80  | 52 | 3796  | 4160  |
| 118. | 68  | 53  | 32 | 2176  | 1696  |
| 119. | 125 | 122 | 88 | 11000 | 10736 |
| 120. | 80  | 78  | 52 | 4160  | 4056  |
| 121. | 78  | 85  | 68 | 5304  | 5780  |
| 122. | 65  | 52  | 32 | 2080  | 1664  |
| 123. | 68  | 80  | 52 | 3536  | 4160  |
| 124. | 87  | 79  | 56 | 4872  | 4424  |
| 125. | 68  | 58  | 32 | 2176  | 1856  |
| 126. | 110 | 120 | 88 | 9680  | 10560 |
| 127. | 81  | 76  | 60 | 4860  | 4560  |
| 128. | 71  | 66  | 44 | 3124  | 2904  |
| 129. | 112 | 120 | 80 | 8960  | 9600  |
| 130. | 84  | 89  | 56 | 4704  | 4984  |
| 131. | 70  | 62  | 48 | 3360  | 2976  |
| 132. | 98  | 109 | 84 | 8232  | 9156  |
| 133. | 79  | 72  | 52 | 4108  | 3744  |
| 134. | 60  | 53  | 32 | 1920  | 1696  |
| 135. | 75  | 80  | 48 | 3600  | 3840  |
| 136. | 70  | 64  | 52 | 3640  | 3328  |
| 137. | 58  | 63  | 40 | 2320  | 2520  |
| 138. | 98  | 98  | 80 | 7840  | 7840  |
| 139. | 70  | 68  | 52 | 3640  | 3536  |
| 140. | 120 | 115 | 84 | 10080 | 9660  |
| 141. | 60  | 68  | 48 | 2880  | 3264  |
| 142. | 100 | 97  | 72 | 7200  | 6984  |
| 143. | 86  | 82  | 56 | 4816  | 4592  |
| 144. | 59  | 52  | 36 | 2124  | 1872  |
| 145. | 100 | 110 | 76 | 7600  | 8360  |
| 146. | 120 | 114 | 80 | 9600  | 9120  |
| 147. | 84  | 89  | 68 | 5712  | 6052  |
| 148. | 79  | 75  | 56 | 4424  | 4200  |
| 149. | 80  | 76  | 60 | 4800  | 4560  |
| 150. | 116 | 120 | 92 | 10672 | 11040 |
| 151. | 82  | 78  | 60 | 4920  | 4680  |
| 152. | 58  | 63  | 32 | 1856  | 2016  |
| 153. | 128 | 117 | 80 | 10240 | 9360  |
| 154. | 108 | 96  | 76 | 8208  | 7296  |
| 155. | 56  | 63  | 36 | 2016  | 2268  |
| 156. | 124 | 118 | 80 | 9920  | 9440  |

|              |              |              |              |               |               |
|--------------|--------------|--------------|--------------|---------------|---------------|
| 157.         | 126          | 120          | 88           | 11088         | 10560         |
| 158.         | 89           | 84           | 68           | 6052          | 5712          |
| 159.         | 122          | 115          | 84           | 10248         | 9660          |
| 160.         | 104          | 98           | 72           | 7488          | 7056          |
| 161.         | 132          | 124          | 88           | 11616         | 10912         |
| 162.         | 68           | 59           | 44           | 2992          | 2596          |
| 163.         | 60           | 52           | 32           | 1920          | 1664          |
| 164.         | 88           | 78           | 68           | 5984          | 5304          |
| 165.         | 68           | 75           | 56           | 3808          | 4200          |
| 166.         | 110          | 118          | 84           | 9240          | 9912          |
| 167.         | 69           | 66           | 36           | 2484          | 2376          |
| 168.         | 55           | 67           | 32           | 1760          | 2144          |
| 169.         | 130          | 127          | 88           | 11440         | 11176         |
| 170.         | 125          | 120          | 80           | 10000         | 9600          |
| 171.         | 68           | 75           | 52           | 3536          | 3900          |
| 172.         | 66           | 54           | 32           | 2112          | 1728          |
| 173.         | 87           | 80           | 68           | 5916          | 5440          |
| 174.         | 81           | 78           | 56           | 4536          | 4368          |
| 175.         | 64           | 53           | 32           | 2048          | 1696          |
| 176.         | 97           | 100          | 76           | 7372          | 7600          |
| 177.         | 57           | 61           | 36           | 2052          | 2196          |
| 178.         | 128          | 130          | 84           | 10752         | 10920         |
| 179.         | 70           | 65           | 48           | 3360          | 3120          |
| 180.         | 78           | 69           | 52           | 4056          | 3588          |
| 181.         | 64           | 57           | 36           | 2304          | 2052          |
| 182.         | 110          | 113          | 72           | 7920          | 8136          |
| 183.         | 63           | 68           | 40           | 2520          | 2720          |
| 184.         | 120          | 117          | 88           | 10560         | 10296         |
| 185.         | 83           | 78           | 56           | 4648          | 4368          |
| 186.         | 75           | 64           | 48           | 3600          | 3072          |
| 187.         | 114          | 100          | 72           | 8208          | 7200          |
| 188.         | 77           | 85           | 52           | 4004          | 4420          |
| 189.         | 121          | 110          | 76           | 9196          | 8360          |
| 190.         | 90           | 86           | 68           | 6120          | 5848          |
| 191.         | 83           | 78           | 56           | 4648          | 4368          |
| <b>total</b> | <b>15850</b> | <b>15444</b> | <b>10952</b> | <b>963896</b> | <b>939392</b> |

dengan,

$$b_1 = 0,421$$

$$b_2 = 0,363$$

$$R^2 = 0,838$$

Sehingga didapatkan untuk nilai  $SR_1$  dan  $SE_1$  yaitu:

$$SR_1 = \frac{b_1 \sum X_1 Y}{JK_{reg}} \times 100\% = 54,34\%$$

$$SE_1 = SR_1 \times R^2 = 45,54\%$$

Sehingga didapatkan untuk nilai  $SR_2$  dan  $SE_2$  yaitu:

$$SR_2 = \frac{b_2 \sum X_2 Y}{JK_{reg}} \times 100\% = 45,66\%$$

$$SE_2 = SR_2 \times R^2 = 38,26\%$$

Sehingga didapatkan untuk nilai  $SE_{12}$  yaitu:

$$SE_{12} = SE_1 + SE_2 = 83,93\%$$

$$b_1 \sum X_1 Y = 405800,216$$

$$b_2 \sum X_2 Y = 340999,296$$

$$JK_{reg} = b_1 \sum X_1 Y + b_2 \sum X_2 Y = 746799,512$$



## Lampiran 36



**PEMERINTAH KABUPATEN BULELENG  
DINAS PENDIDIKAN PEMUDA DAN OLAAHRAHA  
SMP NEGERI 1 SINGARAJA**

Jalan Gajah Mada No. 109 Tel. (0362) 22441 Faks. (0362) 25790  
Website: <http://www.smpn1singaraja.sch.id> E-mail: [smpn1\\_singaraja@yahoo.co.id](mailto:smpn1_singaraja@yahoo.co.id)



19 Maret 2025

**SURAT KETERANGAN**

Nomor : 423.4/105/SMPN1SGR/III/2025

Yang bertanda tangan di bawah ini :

Nama : Putu Ira Sita, S.Pd., M.Pd.  
NIP : 198004112008012018  
Pangkat/Golongan: Pembina Tk.I, IV/b  
Jabatan : Plt. Kepala SMP Negeri 1 Singaraja.

Menerangkan bahwa :

Nama : Putu Ayu Nita Agustini Alit Mandala  
Jurusan : Fisika dan Pengajaran IPA  
NIM : 2113071036  
Perguruan Tinggi : Universitas Pendidikan Ganesha

Memang benar mahasiswa tersebut di atas telah melakukan Penelitian/Pengambilan Data untuk menyelesaikan Skripsi yang berjudul "Hubungan Motivasi Belajar dan Sikap Ilmiah terhadap Prestasi Belajar IPA pada Materi Getaran, Gelombang, dan Cahaya Kelas VIII" pada tanggal 26 Februari - 19 Maret 2025.

Demikian Surat Keterangan ini dibuat dengan sebenarnya untuk dapat dipergunakan sebagaimana mestinya.



Plt. Kepala SMP Negeri 1 Singaraja,

Putu Ira Sita, S.Pd., M.Pd.  
NIP. 198004112008012018

## Lampiran 37

## DOKUMENTASI PENELITIAN



Studi Pendahuluan



Studi Pendahuluan



Uji Coba Instrumen Kelas IXA5



Uji Coba Instrumen Kelas IXA6



Pengambilan data di kelas VIIIA1



Pengambilan data di kelas VIIIA2



Pengambilan data di kelas VIIIA3



Pengambilan data di kelas VIIIA4





**Pengambilan data di kelas VIIIA5**



**Pengambilan data di kelas VIIIA6**



**Pengambilan data di kelas VIIIA7**



**Pengambilan data di kelas VIIIA8**



**Pengambilan data di kelas VIIIA9**



**Pengambilan data di kelas VIIIA10**

### RIWAYAT HIDUP



Penulis bernama Putu Ayu Nita Agustini Alit Mandala, lahir di Buleleng pada tanggal 17 Agustus 2003. Penulis adalah anak pertama dari tiga bersaudara, pasangan Bapak Komang Sura Abdi Negara Alit Mandala dan Ibu Ni Komang Sumananti. Penulis memulai Pendidikan formalnya di SD Negeri 5 Pedungan dan lulus pada tahun 2015. Kemudian melanjutkan ke SMP Ganesha Denpasar dan lulus pada tahun 2018. Pendidikan menengah atas ditempuh di SMA Negeri 4 Singaraja dan lulus pada tahun 2021. Pada tahun yang sama, penulis diterima di Program Studi Pendidikan IPA, Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Pendidikan Ganesha. Selama menempuh Pendidikan di perguruan tinggi, penulis aktif dalam berbagai kegiatan organisasi kemahasiswaan dan kegiatan ilmiah. Skripsi ini disusun sebagai salah satu syarat untuk memperoleh gelar Sarjana Pendidikan (S.Pd) pada Program Studi Pendidikan IPA.

