



## Lampiran 1 Surat ijin Penelitian

### 1) Surat balasan ijin penelitian Koperasi Unit Desa Swakarsa



**KOPERASI UNIT DESA SWAKARSA**  
 BH NO :90/BH/PAD/KWK.22/III/96 TGL 25 MARET 1996  
 SekretariatDesaGerokgak, Kec. Gerokgak, Kab. Buleleng.

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**SURAT KETERANGAN**

Nomor : 07/KUD /SWK/IV/2026

Sehubungan dengan surat dari Universitas Pendidikan Ganesha,Fakultan Ekonomi nomor: 518/UN48.13.1/PT.09.04/2026,perihal : Permohonan Data dan Penelitian,tanggal 09 April 2026,maka KUD Swakarsa menerangkan bahwa mahasiswa dibawah ini :

Nama : Komang Widiana Saputra.  
 NIM : 2217011056  
 Fakultas : Ekonomi  
 Jurusan/Prodi : Pendidikan Ekonomi ( SI )

Untuk melaksanakan penelitian menyangkut data-data di KUD Swakarsa,dalam kaitan untuk menempuh atau menyusun akhir tugas/Skripsi.

Demikian surat keterangan ini dibuat untuk dapat dipergunakan sebagai mana mestinya.

Gerokgak, 10 April 2026.  
 Unit Simpan Pinjam  
  
 (Widiana,SH)

## 2) Surat balasan penelitian Koperasi Unit Desa Seririt

|                                                                                   |                                                                                                                                                                                         |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>KOPERASI UNIT DESA ( KUD ) SERIRIT</b><br>BADAN HUKUM NO. 98 / BH / PAD / KWK.22 / III/96<br>TANGGAL, 25 MARET 1996<br>JL. SERIRIT – GILIMANUK ( DESA UMEANYAR )<br>☎ ( 0362 ) 92585 |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**SURAT KETERANGAN**  
No. 01/Peng/KUD.SRR/IV/2026

Selubungan dengan Surat dari Universitas Ganecha Fakultas Ekonomi Nomor :  
1448/UN 48.13.1 / DL/2025, perihal Permohonan data dan Penelitian tanggal 10 Juli 2025 maka  
kami Yang bertanda tangan dibawah ini Pengurus Koperasi Unit Desa ( KUD ) Seririt :

|             |                                                                         |
|-------------|-------------------------------------------------------------------------|
| N a m a     | : KETUT SUBAWA, SH                                                      |
| Jabatan     | : Ketua Pengurus KUD Seririt                                            |
| A l a m a t | : Bjr. Dinas Kalisada, Ds. Kalisada, Kec. Seririt<br>Kabupaten Buleleng |

Dengan ini menerangkan bahwa :

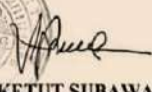
|                 |                          |
|-----------------|--------------------------|
| N a m a         | : Komang Widiana Saputra |
| NIM             | : 2217011056             |
| Fakultas        | : Ekonomi                |
| Jurusan / Prodi | : Pendidikan Ekonomi     |

Memang benar mengajukan permohonan data dan telah mengadakan  
penelitian di KUD Seririt untuk melengkapi tugas akhir dalam penyusunan skripsi.

Demikian surat keterangan ini dibuat untuk dapat dipergunakan sebagaimana  
mestinya.

Umeanyar, 11 April 2026

Pengurus KUD Seririt,  
Ketua,

  
**KETUT SUBAWA, SH**



CS: Dipindai dengan CamScanner

## 3) Surat balasan Penelitian Koperasi Unit Desa Sari Pertiwi

**KOPERASI UNIT DESA "SARI PERTIWI"**  
**BADAN HUKUM : NO. 95/BH/PAD/KWK.22/III/1996**  
**ALAMAT : DESA DENCARIK, KEC. BANJAR, KAB. BULELENG**  
**TANGGAL 25 MARET 1996**

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**Jalan: Seririt- Singaraja** **Telp -**

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Nomor : 15/USP/IV/2026  
 Lampiran : 1 Gabung  
 Hal : Penelitian

Kepada Yth :  
 Wakil Dekan I Fakultas Ekonomi  
 Universitas Pendidikan Ganesha  
 Di  
 Tempat

Dengan Hormat,

Manager USP KUD Sari Pertiwi dengan ini membenarkan bahwa mahasiswa di bawah ini :

Nama : Komang Widiana Saputra  
 NIM : 2217011056  
 Fakultas : Ekonomi  
 Jurusan/ Prodi : Pendidikan Ekonomi (S1)

Telah melakukan penelitian lapangan untuk menempuh/ menyusun tugas akhir skripsi dan melengkapi tugas lainnya yang berkaitan dengan keberadaan koperasi khususnya data yang berhubungan dengan Unit Simpan Pinjam (USP). Untuk itu kami berharap agar data yang telah kami berikan dapat melengkapi dalam menyusun skripsinya.

Demikian surat ini kami buat agar bisa digunakan sebagaimana mestinya.

Dencarik, 13 April 2026  
 KUD "Sari Pertiwi"  
 USP Manager

  
 (KETUT HINDU WARDANI S.Tp)

## 4) Surat balasan penelitian Koperasi Unit Desa Tirta Luhur

KOPERASI UNIT DESA TIRTA LUHUR  
BADAN HUKUM NO. 91/BH/PAD/KWK.22 / III/1996  
Tanggal : 25 Maret 1996

SURAT KETERANGAN  
No. 10/KUD.TL/IV/2026

Sehubungan dengan Surat dari Universitas Ganesha Fakultas Ekonomi Nomor :  
518/UN48.13.1/PT.09.04/2026, perihal Permohonan Data dan Penelitian tanggal 9 April 2026  
maka kami Yang bertanda tangan dibawah ini Pengurus Koperasi Unit Desa Tirta Luhur :

N a m a : I NYOMAN MAWAN  
Jabatan : Ketua Pengurus KUD Tirta Luhur  
Alamat : Br. Dinas Dharma Yadnya Tukad Mungga Kec. Buleleng  
Kabupaten Buleleng.

Dengan ini menerangkan bahwa :

N a m a : Komang Widiana Saputra  
NIM : 2217011056  
Fakultas : Ekonomi  
Jurusan / Prodi : Pendidikan Ekonomi

Memang benar mengajukan permohonan data dan penelitian dan sudah mengadakan  
penelitian di KUD Tirta Luhur Banyuning untuk melengkapi tugas akhir dalam penyusunan  
skripsi.

Demikian surat keterangan ini dibuat untuk dapat dipergunakan sebagaimana mestinya.

Banyuning, 16 April 2026

Pengurus KUD Tirta Luhur

Ketua

I NYOMAN MAWAN

## 5) Surat surat ijin penelitian Koperasi Unit Desa Swakarsa



**KEMENTERIAN PENDIDIKAN TINGGI, SAINS,  
DAN TEKNOLOGI**  
**UNIVERSITAS PENDIDIKAN GANESHA**  
**FAKULTAS EKONOMI**  
Jalan Udayana No. 11 Singaraja-Bali. Telepon : (0362) 26830  
Website : <http://www.fe.undiksha.ac.id/>

---

Nomor : 518/UN48.13.1/PT.09.04/2026 Singaraja, 9 April 2026  
 Lamp. : -  
 Hal : *Permohonan Data dan Penelitian*

**Kepada Yth Koperasi Unit Desa Swakarsa Gerokgak**  
**Di Tempat**  
**Dengan Hormat,**  
 Wakil Dekan I Fakultas Ekonomi Universitas Pendidikan Ganesha menerangkan bahwa mahasiswa/i tersebut dibawah ini :

|                |                           |
|----------------|---------------------------|
| Nama           | : Komang Widiana Saputra  |
| NIM.           | : 2217011056              |
| Fakultas       | : Ekonomi                 |
| Jurusan/Prodi. | : Pendidikan Ekonomi (S1) |

Bermaksud mengadakan penelitian lapangan untuk menempuh atau menyusun tugas akhir, skripsi dan melengkapi tugas lainnya. Sehubungan dengan hal tersebut, kami mohon izin agar mahasiswa kami dapat diterima untuk melakukan penelitian di tempat yang Bapak/Tbu/Sdr. Pimpin.

Demikian surat ini kami buat agar bisa digunakan sebagaimana mestinya. Atas perhatian dan kerjasamanya, kami sampaikan terima kasih.

a.n. Dekan,  
 Wakil Dekan I,  
  
 Dr. Dra. Ni Made Suci, M. Si.  
 NIP. 196810291993032001

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**Balai  
Sertifikasi  
Elektronik**

Catatan :

- UU ITE No. 11 Tahun 2008 Pasal 5 ayat 1 "Informasi Elektronik dan/atau Dokumen Elektronik dan/atau hasil cetaknya merupakan alat bukti hukum yang sah"
- Dokumen ini tertanda ditandatangani secara elektronik menggunakan sertifikat elektronik yang diterbitkan BsrE
- Surat ini dapat dibuktikan keasliannya dengan menggunakan qr code yang telah tersedia

CS Dipindai dengan CamScanner

## 6) Surat ijin Penelitian Koperasi Unit Desa Seririt



**KEMENTERIAN PENDIDIKAN TINGGI, SAINS,  
DAN TEKNOLOGI**  
**UNIVERSITAS PENDIDIKAN GANESHA**  
**FAKULTAS EKONOMI**  
Jalan Udayana No. 11 Singaraja-Bali. Telepon : (0362) 26830  
Website : <http://www.fe.undiksha.ac.id/>

---

Nomor : 518/UN48.13.1/PT.09.04/2026 Singaraja, 9 April 2026  
 Lamp. : -  
 Hal : *Permohonan Data dan Penelitian*

Kepada Yth Koperasi Unit Desa Seririt  
 Di Tempat  
**Dengan Hormat,**  
 Wakil Dekan I Fakultas Ekonomi Universitas Pendidikan Ganesha menerangkan bahwa mahasiswa/i tersebut dibawah ini :

|                |                           |
|----------------|---------------------------|
| Nama           | : Komang Widiana Saputra  |
| NIM.           | : 2217011056              |
| Fakultas       | : Ekonomi                 |
| Jurusan/Prodi. | : Pendidikan Ekonomi (S1) |

Bermaksud mengadakan penelitian lapangan untuk menempuh atau menyusun tugas akhir, skripsi dan melengkapi tugas lainnya. Sehubungan dengan hal tersebut, kami mohon izin agar mahasiswa kami dapat diterima untuk melakukan penelitian di tempat yang Bapak/Tbu/Sdr. Pimpin.

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CS Dipindai dengan CamScanner

## 7) Surat Ijin penelitian Koperasi Unit Desa Sari Pertiwi



**KEMENTERIAN PENDIDIKAN TINGGI, SAINS,  
DAN TEKNOLOGI**  
**UNIVERSITAS PENDIDIKAN GANESHA**  
**FAKULTAS EKONOMI**  
Jalan Udayana No. 11 Singaraja-Bali. Telepon : (0362) 26830  
Website : <http://www.fe.undiksha.ac.id/>

---

Nomor : 518/UN48.13.1/PT.09.04/2026 Singaraja, 9 April 2026  
 Lamp. : -  
 Hal : *Permohonan Data dan Penelitian*

**Kepada Yth Koperasi Unit Desa Sari Pertiwi Banjar**  
 Di Tempat  
**Dengan Hormat,**  
 Wakil Dekan I Fakultas Ekonomi Universitas Pendidikan Ganesha menerangkan bahwa mahasiswa/i tersebut dibawah ini :

|                |                           |
|----------------|---------------------------|
| Nama           | : Komang Widiana Saputra  |
| NIM.           | : 2217011056              |
| Fakultas       | : Ekonomi                 |
| Jurusan/Prodi. | : Pendidikan Ekonomi (S1) |

Bermaksud mengadakan penelitian lapangan untuk menempuh atau menyusun tugas akhir, skripsi dan melengkapi tugas lainnya. Sehubungan dengan hal tersebut, kami mohon izin agar mahasiswa kami dapat diterima untuk melakukan penelitian di tempat yang Bapak/Ibu/Sdr. Pimpin.

Demikian surat ini kami buat agar bisa digunakan sebagaimana mestinya. Atas perhatian dan kerjasamanya, kami sampaikan terima kasih.

a.n. Dekan,  
Wakil Dekan I,



Dr. Dra. Ni Made Suci, M. Si.  
NIP. 196810291993032001

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**Balai Sertifikasi Elektronik**

Catatan :

- UU ITE No. 11 Tahun 2008 Pasal 5 ayat 1 "Informasi Elektronik dan/atau Dokumen Elektronik dan/atau hasil cetaknya merupakan alat bukti hukum yang sah"
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CS Dipindai dengan CamScanner

## 8) Surat Ijin Penelitian Koperasi Unit Desa Tirta Luhur



**KEMENTERIAN PENDIDIKAN TINGGI, SAINS,  
DAN TEKNOLOGI**  
**UNIVERSITAS PENDIDIKAN GANESHA**  
**FAKULTAS EKONOMI**  
Jalan Udayana No. 11 Singaraja-Bali. Telepon : (0362) 26830  
Website : <http://www.fe.undiksha.ac.id/>

---

Nomor : 518/UN48.13.1/PT.09.04/2026 Singaraja, 9 April 2026  
 Lamp. : -  
 Hal : *Permohonan Data dan Penelitian*

Kepada Yth Koperasi Unit Desa Tirta Luhur Banyuning  
 Di Tempat

**Dengan Hormat,**  
 Wakil Dekan I Fakultas Ekonomi Universitas Pendidikan Ganesha menerangkan bahwa mahasiswa/i tersebut dibawah ini :

|                |                           |
|----------------|---------------------------|
| Nama           | : Komang Widiana Saputra  |
| NIM.           | : 2217011056              |
| Fakultas       | : Ekonomi                 |
| Jurusan/Prodi. | : Pendidikan Ekonomi (S1) |

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**Balai Sertifikasi Elektronik**

Catatan :

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- Surat ini dapat dibuktikan keasliannya dengan menggunakan *qr code* yang telah tersedia

CS Dipindai dengan CamScanner

## Lampiran 2 Instrumen Penelitian

### A. Identitas Responden

Pada bagian ini berisi data umum responden, data yang diberikan responden digunakan hanya untuk kepentingan penelitian dan kerahasiaan para responden terjaga.

1. Nama :
2. Jenis Kelamin :
3. Umur :
4. Pekerjaan :
5. Alamat :

### B. Petunjuk Pengisian Kuesioner

1. Dalam setiap butir pernyataan hanya diperbolehkan untuk dapat dijawab satu kali dengan cara mencentang salah satu opsi yang sudah tersedia. Berikut adalah keterangan untuk memilih jawaban:

- |     |   |                     |   |        |
|-----|---|---------------------|---|--------|
| STS | : | Sangat Tidak Setuju | : | Skor 1 |
| TS  | : | Tidak Setuju        | : | Skor 2 |
| CS  | : | Cukup Setuju        | : | Skor 3 |
| S   | : | Setuju              | : | Skor 4 |
| SS  | : | Sangat Setuju       | : | Skor 5 |

2. Dimohon untuk Bapak/Ibu/Saudara menjawab pernyataan dengan sejujurnya sesuai dengan petunjuk yang ada, karena dari jawaban Bapak/Ibu/Saudara sangat membantu dalam penelitian ini.

## 3. Pernyataan Kuesioner

| No                      | Indikator                           | Pernyataan                                                                                                 | Pilihan Jawaban |    |    |   |    |
|-------------------------|-------------------------------------|------------------------------------------------------------------------------------------------------------|-----------------|----|----|---|----|
|                         |                                     |                                                                                                            | STS             | TS | CS | S | SS |
| Manajemen Usaha Debitur |                                     |                                                                                                            |                 |    |    |   |    |
| 1                       | Pergantian pengelola usaha          | Saya pernah mengalami adanya pergantian pengelolaan dari orang tua ke saya                                 |                 |    |    |   |    |
|                         |                                     | Semenjak adanya pergantian pengelolaan usaha dari orang tua ke saya pengelolaan usaha menjadi tidak stabil |                 |    |    |   |    |
| 2                       | Minim Dalam Pengelolaan Usaha       | Saya merasa pengalaman saya didalam mengelola usaha masih kurang                                           |                 |    |    |   |    |
|                         |                                     | Kurangnya pengalaman mengelola usaha membuat saya sulit untuk menghadapi tantangan usaha                   |                 |    |    |   |    |
| 3                       | Tidak Ada Rencana Bisnis Yang Jelas | Saya belum memiliki rencana usaha yang jelas pada saat pengajuan kredit                                    |                 |    |    |   |    |
|                         |                                     | Dalam menjalankan usaha tidak ada perencanaan target pengeluaran dan pendapatan yang jelas                 |                 |    |    |   |    |
| 4                       | Manajemen Keuangan Yang lemah       | Saya seringkali untuk mencampurkan uang pribadi dengan keuangan usaha                                      |                 |    |    |   |    |
|                         |                                     | Saya jarang untuk mencatat keuangan usaha                                                                  |                 |    |    |   |    |
| 5                       | Tidak Ada Sistem Kontrol Usaha      | Saya jarang untuk mengadakan evaluasi dalam perkembangan usaha saya                                        |                 |    |    |   |    |

|                              |                                  |                                                                                                                     |  |  |  |  |  |
|------------------------------|----------------------------------|---------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|
|                              |                                  | Saya tidak mempunyai sistem pengawasan untuk mencegah pemborosan dalam menjalankan usaha                            |  |  |  |  |  |
| Kondisi Operasional Memburuk |                                  |                                                                                                                     |  |  |  |  |  |
| 6                            | Penurunan Jumlah Pelanggan       | Jumlah pelanggan saya menurun secara terus menerus                                                                  |  |  |  |  |  |
|                              |                                  | Penurunan pelanggan membuat pendapatan dari usaha saya menurun                                                      |  |  |  |  |  |
| 7                            | Pelengkapan Pendukung Terbatas   | Usaha yang saya jalankan memiliki keterbatasan perlengkapan dalam mendukung usaha                                   |  |  |  |  |  |
|                              |                                  | Adanya keterbatasan perlengkapan usaha membuat pelayanan/produksi menjadi terhambat atau terganggu                  |  |  |  |  |  |
| 8                            | Kerusakan Peralatan Usaha        | Peralatan yang saya gunakan pernah mengalami kerusakan                                                              |  |  |  |  |  |
|                              |                                  | Kerusakan dari peralatan usaha menghambat aktivitas usaha yang saya jalankan                                        |  |  |  |  |  |
| Etikad Debitur               |                                  |                                                                                                                     |  |  |  |  |  |
| 9                            | Kejujuran Dalam Pengajuan Kredit | Terdapat beberapa informasi terkait pendapatan usaha yang belum saya sampaikan secara lengkap saat pengajuan kredit |  |  |  |  |  |
|                              |                                  | Informasi yang saya sampaikan belum sepenuhnya menggambarkan kondisi usaha saya.                                    |  |  |  |  |  |

|                          |                                      |                                                                                                                             |  |  |  |  |  |
|--------------------------|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|
| 10                       | Kedisiplinan Dalam Membayar Angsuran | Saya pernah tidak membayar angsuran dengan tepat waktu sesuai jadwal kesepakatan diawal                                     |  |  |  |  |  |
|                          |                                      | Saya pernah mendahulukan kebutuhan lain sebelum membayar angsuran sesuai kewajiban                                          |  |  |  |  |  |
| 11                       | Tanggung Jawab Terhadap Pinjaman     | Saya kurang memiliki rasa tanggung jawab secara penuh dalam membayar angsuran                                               |  |  |  |  |  |
|                          |                                      | Saya sering tidak memikirkan bahwa dana yang dipinjam berasal dari anggota lain.                                            |  |  |  |  |  |
| 12                       | Komitmen Dalam Perjanjian Kredit     | Saya belum sepenuhnya konsisten dalam mengikuti kesepakatan yang telah ditetapkan di perjanjian kredit                      |  |  |  |  |  |
|                          |                                      | Saya kurang memahami adanya jatuh tempo, ketentuan bunga, dan penalti dalam kredit yang saya pinjam                         |  |  |  |  |  |
| <div>Force Majeure</div> |                                      |                                                                                                                             |  |  |  |  |  |
| 13                       | Bencana Alam                         | Usaha yang saya jalankan pernah terdampak dari adanya bencana alam yang menyebabkan terganggunya aktivitas usaha saya       |  |  |  |  |  |
|                          |                                      | Dampak yang saya alami dari bencana alam ini yaitu pendapatan usaha menjadi menurun                                         |  |  |  |  |  |
| 14                       | Kebijakan Pemerintah                 | Kebijakan pemerintah yang berkaitan dengan pembatasan operasional, dan aktivitas usaha pernah membatasi kegiatan usaha saya |  |  |  |  |  |

|  |  |                                                                                                               |  |  |  |  |  |
|--|--|---------------------------------------------------------------------------------------------------------------|--|--|--|--|--|
|  |  | Kebijakan pemerintah yang berlaku pernah menghambat kemampuan saya dalam memenuhi kewajiban pembayaran kredit |  |  |  |  |  |
|--|--|---------------------------------------------------------------------------------------------------------------|--|--|--|--|--|



### Lampiran 3 Hasil Uji Validitas

#### a) Uji Validitas Variabel X1 (Manajemen Usaha Debitur)

| Correlations             |        |        |        |        |        |        |        |        |        |        |        |  |
|--------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
|                          | X1.1   | X1.2   | X1.3   | X1.4   | X1.5   | X1.6   | X1.7   | X1.8   | X1.9   | X1.10  | X1     |  |
| X1.1 Pearson Correlation | 1      | .618** | .669** | .654** | .622** | .504** | .533** | .512** | .556** | .670** | .770** |  |
| Sig. (2-tailed)          |        | .000   | .000   | .000   | .000   | .005   | .002   | .004   | .001   | .000   | .000   |  |
| N                        | 30     | 30     | 30     | 30     | 30     | 30     | 30     | 30     | 30     | 30     | 30     |  |
| X1.2 Pearson Correlation | .618** | 1      | .643** | .753** | .599** | .668** | .627** | .638** | .532** | .743** | .827** |  |
| Sig. (2-tailed)          | .000   |        | .000   | .000   | .000   | .000   | .000   | .000   | .002   | .000   | .000   |  |
| N                        | 30     | 30     | 30     | 30     | 30     | 30     | 30     | 30     | 30     | 30     | 30     |  |
| X1.3 Pearson Correlation | .669** | .643** | 1      | .724** | .704** | .719** | .811** | .686** | .521** | .754** | .872** |  |
| Sig. (2-tailed)          | .000   | .000   |        | .000   | .000   | .000   | .000   | .000   | .003   | .000   | .000   |  |
| N                        | 30     | 30     | 30     | 30     | 30     | 30     | 30     | 30     | 30     | 30     | 30     |  |
| X1.4 Pearson Correlation | .654** | .753** | .724** | 1      | .708** | .715** | .664** | .588** | .623** | .800** | .881** |  |
| Sig. (2-tailed)          | .000   | .000   | .000   |        | .000   | .000   | .000   | .001   | .000   | .000   | .000   |  |
| N                        | 30     | 30     | 30     | 30     | 30     | 30     | 30     | 30     | 30     | 30     | 30     |  |
| X1.5 Pearson Correlation | .622** | .599** | .704** | .708** | 1      | .617** | .640** | .705** | .550** | .695** | .831** |  |

|       |                     |        |        |        |        |        |        |        |        |        |        |        |
|-------|---------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|       | Sig. (2-tailed)     | .000   | .000   | .000   | .000   |        | .000   | .000   | .000   | .002   | .000   | .000   |
|       | N                   | 30     | 30     | 30     | 30     | 30     | 30     | 30     | 30     | 30     | 30     | 30     |
| X1.6  | Pearson Correlation | .504** | .668** | .719** | .715** | .617** | 1      | .766** | .537** | .719** | .723** | .840** |
|       | Sig. (2-tailed)     | .005   | .000   | .000   | .000   | .000   |        | .000   | .002   | .000   | .000   | .000   |
|       | N                   | 30     | 30     | 30     | 30     | 30     | 30     | 30     | 30     | 30     | 30     | 30     |
| X1.7  | Pearson Correlation | .533** | .627** | .811** | .664** | .640** | .766** | 1      | .732** | .619** | .686** | .848** |
|       | Sig. (2-tailed)     | .002   | .000   | .000   | .000   | .000   | .000   |        | .000   | .000   | .000   | .000   |
|       | N                   | 30     | 30     | 30     | 30     | 30     | 30     | 30     | 30     | 30     | 30     | 30     |
| X1.8  | Pearson Correlation | .512** | .638** | .686** | .588** | .705** | .537** | .732** | 1      | .482** | .638** | .780** |
|       | Sig. (2-tailed)     | .004   | .000   | .000   | .001   | .000   | .002   | .000   |        | .007   | .000   | .000   |
|       | N                   | 30     | 30     | 30     | 30     | 30     | 30     | 30     | 30     | 30     | 30     | 30     |
| X1.9  | Pearson Correlation | .556** | .532** | .521** | .623** | .550** | .719** | .619** | .482** | 1      | .532** | .740** |
|       | Sig. (2-tailed)     | .001   | .002   | .003   | .000   | .002   | .000   | .000   | .007   |        | .002   | .000   |
|       | N                   | 30     | 30     | 30     | 30     | 30     | 30     | 30     | 30     | 30     | 30     | 30     |
| X1.10 | Pearson Correlation | .670** | .743** | .754** | .800** | .695** | .723** | .686** | .638** | .532** | 1      | .879** |
|       | Sig. (2-tailed)     | .000   | .000   | .000   | .000   | .000   | .000   | .000   | .000   | .002   |        | .000   |
|       | N                   | 30     | 30     | 30     | 30     | 30     | 30     | 30     | 30     | 30     | 30     | 30     |
| X1    | Pearson Correlation | .770** | .827** | .872** | .881** | .831** | .840** | .848** | .780** | .740** | .879** | 1      |

|                 |      |      |      |      |      |      |      |      |      |      |    |
|-----------------|------|------|------|------|------|------|------|------|------|------|----|
| Sig. (2-tailed) | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |    |
| N               | 30   | 30   | 30   | 30   | 30   | 30   | 30   | 30   | 30   | 30   | 30 |

b) Uji Validitas Variabel X2 (Kondisi Operasional Operasi Memburuk)

| Correlations             |        |        |        |        |        |        |        |
|--------------------------|--------|--------|--------|--------|--------|--------|--------|
|                          | X2.1   | X2.2   | X2.3   | X2.4   | X2.5   | X2.6   | X2     |
| X2.1 Pearson Correlation | 1      | .727** | .584** | .673** | .829** | .736** | .864** |
| Sig. (2-tailed)          |        | .000   | .001   | .000   | .000   | .000   | .000   |
| N                        | 30     | 30     | 30     | 30     | 30     | 30     | 30     |
| X2.2 Pearson Correlation | .727** | 1      | .598** | .647** | .652** | .670** | .825** |
| Sig. (2-tailed)          | .000   |        | .000   | .000   | .000   | .000   | .000   |
| N                        | 30     | 30     | 30     | 30     | 30     | 30     | 30     |
| X2.3 Pearson Correlation | .584** | .598** | 1      | .657** | .692** | .723** | .815** |
| Sig. (2-tailed)          | .001   | .000   |        | .000   | .000   | .000   | .000   |
| N                        | 30     | 30     | 30     | 30     | 30     | 30     | 30     |
| X2.4 Pearson Correlation | .673** | .647** | .657** | 1      | .819** | .766** | .882** |
| Sig. (2-tailed)          | .000   | .000   | .000   |        | .000   | .000   | .000   |
| N                        | 30     | 30     | 30     | 30     | 30     | 30     | 30     |
| X2.5 Pearson Correlation | .829** | .652** | .692** | .819** | 1      | .833** | .922** |



|      |                     |        |        |        |        |        |        |        |        |        |
|------|---------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| X3.3 | Pearson Correlation | .653** | .601** | 1      | .671** | .491** | .681** | .649** | .719** | .844** |
|      | Sig. (2-tailed)     | .000   | .000   |        | .000   | .006   | .000   | .000   | .000   | .000   |
|      | N                   | 30     | 30     | 30     | 30     | 30     | 30     | 30     | 30     | 30     |
| X3.4 | Pearson Correlation | .711** | .580** | .671** | 1      | .620** | .644** | .691** | .666** | .841** |
|      | Sig. (2-tailed)     | .000   | .001   | .000   |        | .000   | .000   | .000   | .000   | .000   |
|      | N                   | 30     | 30     | 30     | 30     | 30     | 30     | 30     | 30     | 30     |
| X3.5 | Pearson Correlation | .604** | .540** | .491** | .620** | 1      | .448*  | .646** | .620** | .741** |
|      | Sig. (2-tailed)     | .000   | .002   | .006   | .000   |        | .013   | .000   | .000   | .000   |
|      | N                   | 30     | 30     | 30     | 30     | 30     | 30     | 30     | 30     | 30     |
| X3.6 | Pearson Correlation | .574** | .688** | .681** | .644** | .448*  | 1      | .682** | .512** | .796** |
|      | Sig. (2-tailed)     | .001   | .000   | .000   | .000   | .013   |        | .000   | .004   | .000   |
|      | N                   | 30     | 30     | 30     | 30     | 30     | 30     | 30     | 30     | 30     |
| X3.7 | Pearson Correlation | .735** | .662** | .649** | .691** | .646** | .682** | 1      | .691** | .866** |
|      | Sig. (2-tailed)     | .000   | .000   | .000   | .000   | .000   | .000   |        | .000   | .000   |
|      | N                   | 30     | 30     | 30     | 30     | 30     | 30     | 30     | 30     | 30     |
| X3.8 | Pearson Correlation | .775** | .687** | .719** | .666** | .620** | .512** | .691** | 1      | .860** |
|      | Sig. (2-tailed)     | .000   | .000   | .000   | .000   | .000   | .004   | .000   |        | .000   |
|      | N                   | 30     | 30     | 30     | 30     | 30     | 30     | 30     | 30     | 30     |
| X3   | Pearson Correlation | .837** | .808** | .844** | .841** | .741** | .796** | .866** | .860** | 1      |

|                 |      |      |      |      |      |      |      |      |    |
|-----------------|------|------|------|------|------|------|------|------|----|
| Sig. (2-tailed) | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |    |
| N               | 30   | 30   | 30   | 30   | 30   | 30   | 30   | 30   | 30 |

d) Uji Validitas Variabel X4 (*Force Majeure*)

**Correlations**

|      |                     | X4.1   | X4.2   | X4.3   | X4.4   | X4     |
|------|---------------------|--------|--------|--------|--------|--------|
| X4.1 | Pearson Correlation | 1      | .661** | .639** | .661** | .892** |
|      | Sig. (2-tailed)     |        | .000   | .000   | .000   | .000   |
|      | N                   | 30     | 30     | 30     | 30     | 30     |
| X4.2 | Pearson Correlation | .661** | 1      | .525** | .604** | .821** |
|      | Sig. (2-tailed)     | .000   |        | .003   | .000   | .000   |
|      | N                   | 30     | 30     | 30     | 30     | 30     |
| X4.3 | Pearson Correlation | .639** | .525** | 1      | .548** | .815** |
|      | Sig. (2-tailed)     | .000   | .003   |        | .002   | .000   |
|      | N                   | 30     | 30     | 30     | 30     | 30     |
| X4.4 | Pearson Correlation | .661** | .604** | .548** | 1      | .829** |
|      | Sig. (2-tailed)     | .000   | .000   | .002   |        | .000   |
|      | N                   | 30     | 30     | 30     | 30     | 30     |
| X4   | Pearson Correlation | .892** | .821** | .815** | .829** | 1      |

|                 |      |      |      |      |    |
|-----------------|------|------|------|------|----|
| Sig. (2-tailed) | .000 | .000 | .000 | .000 |    |
| N               | 30   | 30   | 30   | 30   | 30 |

#### Lampiran 4 Hasil Uji Reliabilitas

##### Uji Reliabilitas X1 (Manajemen Usaha Debitur)

###### Reliability Statistics

| Cronbach's Alpha | N of Items |
|------------------|------------|
| .948             | 10         |

##### Uji Reliabilitas X2 (Kondisi Operasional Memburuk)

###### Reliability Statistics

| Cronbach's Alpha | N of Items |
|------------------|------------|
| .933             | 6          |

##### Uji Reliabilitas X3 (Etikad Baik Debitur)

###### Reliability Statistics

| Cronbach's Alpha | N of Items |
|------------------|------------|
| .929             | 8          |



### Uji Reliabilitas X4 (Force Majeure)

#### Reliability Statistics

| Cronbach's Alpha | N of Items |
|------------------|------------|
| .859             | 4          |

### Lampiran 5 Profil Responden

| Nama                | Jenis kelamin | Usia | Alamat         | Pekerjaan          |
|---------------------|---------------|------|----------------|--------------------|
| Made Sudi Utama     | Laki-Laki     | 65   | Pengulon       | Petani             |
| Made Laba           | Laki-Laki     | 58   | Patas          | Petani             |
| Made Pariasa        | Laki-Laki     | 42   | Pengulon       | Pedagang keliling  |
| Kadek Wiriawan      | Laki-Laki     | 27   | Celukan Bawang | Nelayan            |
| Nyoman Latra        | Laki-Laki     | 38   | Patas          | Buruh harian lepas |
| Luh Sukertiasih     | Perempuan     | 42   | Patas          | Pedagang           |
| Nyoman Toya         | Laki-Laki     | 30   | Tukadsumaga    | Petani             |
| Saiful Azhari       | Laki-Laki     | 39   | Celukan Bawang | Nelayan            |
| Kadek Sutritisning  | Perempuan     | 37   | Patas          | Pedagang           |
| Putu Agus Sastrawan | Laki-Laki     | 53   | Patas          | Pedagang           |
| Wayan Ardika        | Laki-Laki     | 30   | Tukadsumaga    | Petani             |
| Made Darmawan       | Laki-Laki     | 64   | Tukadsumaga    | Buruh harian lepas |

| Nama                | Jenis kelamin | Usia | Alamat         | Pekerjaan          |
|---------------------|---------------|------|----------------|--------------------|
| Kadek Suta Kariyasa | Laki-Laki     | 54   | Tukadsumaga    | Pedagang           |
| Ketut Sudiarmika    | Laki-Laki     | 49   | Berongbong     | Petani             |
| Putu Mangku Yasa    | Laki-Laki     | 51   | Tinga tinga    | Petani             |
| Made Santika        | Laki-Laki     | 59   | Berongbong     | Nelayan            |
| Made Arista         | Laki-Laki     | 58   | Berongbong     | Pedagang           |
| Ketut Megeg         | Laki-Laki     | 27   | Tinga tinga    | Buruh harian lepas |
| Wayan Lesmawan      | Laki-Laki     | 51   | Tinga Tinga    | Pedagang           |
| Putu Suartana       | Laki-Laki     | 54   | Berongbong     | Nelayan            |
| Putu Suryantini     | Laki-Laki     | 48   | Berongbong     | Pedagang keliling  |
| Nengah Jingga       | Laki-Laki     | 37   | Tinga Tinga    | Petani             |
| Made Ginarti        | Perempuan     | 53   | Tukadsumaga    | Pedagang           |
| Luh Sudiasih        | Perempuan     | 54   | Tukadsumaga    | Pedagang           |
| Ketut Mertadana     | Laki-Laki     | 55   | Tukadsumaga    | Buruh harian lepas |
| Wayan Bagiasa       | Laki-Laki     | 54   | Celukan Bawang | Pedagang           |
| Kadek Suartini      | Laki-Laki     | 51   | Pengulon       | Pedagang           |
| Luh Sudarmi         | Perempuan     | 51   | Gerokgak       | Pedagang           |
| Putu Wendra         | Laki-Laki     | 45   | Patas          | Petani             |
| Putu Suradnyana     | Laki-Laki     | 65   | Patas          | Petani             |
| Ketut Sutomo        | Laki-Laki     | 53   | Tukadsumaga    | Pengrajin          |

| Nama                | Jenis kelamin | Usia | Alamat         | Pekerjaan          |
|---------------------|---------------|------|----------------|--------------------|
| Ketut Parnita       | Laki-Laki     | 30   | Tukadsumaga    | Petani             |
| Budi Artono         | Laki-Laki     | 53   | Celukan Bawang | Nelayan            |
| Made Darsana        | Laki-Laki     | 37   | Celukan Bawang | Nelayan            |
| Kadek Aristyani     | Perempuan     | 46   | Tukadsumaga    | Pedagang keliling  |
| Komang Arta Suyasa  | Laki-Laki     | 35   | Tukadsumaga    | Petani             |
| Komang Suardi Putra | Laki-Laki     | 57   | Patas          | Pedagang           |
| Made Wirtana        | Laki-Laki     | 36   | Tinga Tinga    | Petani             |
| Ketut Mawi          | Perempuan     | 56   | Tukadsumaga    | Pedagang           |
| Kadek Yogi Astrawan | Laki-Laki     | 45   | Tinga Tinga    | Pedagang           |
| Komang Suarsana     | Laki-Laki     | 26   | Tinga Tinga    | Buruh harian lepas |
| Nyoman cakra        | Laki-Laki     | 62   | Petani         | Petani             |
| Nengah Santa        | Laki-Laki     | 41   | Musi           | Pedagang           |
| Kadek Sudiasa       | Laki-Laki     | 53   | Tukadsumaga    | Pedagang           |
| Gede Putra Tanaya   | Laki-Laki     | 35   | Tinga Tinga    | Petani             |
| Luh Gandrining      | Laki-Laki     | 31   | Musi           | Pedagang keliling  |
| Kadek Partika       | Laki-Laki     | 61   | Gondol         | Petani             |
| Made Suparta        | Laki-Laki     | 58   | Tukadsumaga    | Nelayan            |
| Putu Sukrawan       | Laki-Laki     | 39   | Musi           | Pengrajin          |
| Nengah Kerti        | Laki-Laki     | 49   | Tukadsumaga    | Petani             |

| Nama                   | Jenis kelamin | Usia | Alamat      | Pekerjaan          |
|------------------------|---------------|------|-------------|--------------------|
| Luh Warini             | Perempuan     | 54   | Tinga Tinga | Pedagang           |
| Kadek Suta Karnada     | Laki-Laki     | 49   | Tukadsumaga | Buruh harian lepas |
| Putu Utama             | Laki-Laki     | 45   | Pengulon    | Petani             |
| Luh Sucining           | Perempuan     | 52   | Patas       | Pedagang keliling  |
| Kadek Rikayani         | Perempuan     | 37   | Berongbong  | Pedagang           |
| Made Radiasa           | Laki-Laki     | 59   | Gerokgak    | Buruh harian lepas |
| Ketut Parponi          | Laki-Laki     | 50   | Patae       | Petani             |
| Luh Ayu Sumadi         | Perempuan     | 58   | Tinga Tinga | Pedagang           |
| Luh Dewi Mariasih      | Perempuan     | 36   | Patas       | Pedagang           |
| Putu Yasa Suyasa       | Laki-Laki     | 61   | Tukadsumaga | Petani             |
| Made Maruta            | Laki-Laki     | 44   | Tinga Tinga | Petani             |
| Ketut Surada           | Laki-Laki     | 34   | Tukadsumaga | Pedagang           |
| Kadek Nesen Adnyana    | Laki-Laki     | 25   | Berongbong  | Pedagang           |
| Luh Kori Ariani        | Perempuan     | 54   | Patas       | Pedagang           |
| Ketut Sumerane         | Laki-Laki     | 52   | Patas       | Petani             |
| Nengah Kaler           | Laki-Laki     | 33   | Tukadsumaga | Petani             |
| Luh Supartini          | Perempuan     | 58   | Patas       | Pedagang keliling  |
| Kadek Widiasta adnyana | Laki-Laki     | 63   | Tukadsumaga | Petani             |
| Made Sukra Karsana     | Laki-Laki     | 47   | Tukadsumaga | Petani             |

| Nama                  | Jenis kelamin | Usia | Alamat      | Pekerjaan         |
|-----------------------|---------------|------|-------------|-------------------|
| Nengah Selamat        | Laki-Laki     | 43   | Tinga Tinga | Petani            |
| Made Ciriani          | Perempuan     | 43   | Tinga Tinga | Pedagang          |
| Wayan Mudiasa         | Laki-Laki     | 40   | Patas       | Petani            |
| Komang Pusa Pariasa   | Laki-Laki     | 51   | Banjarasem  | Petani            |
| Ketut Suwinten        | Perempuan     | 52   | Tegalenga   | Pedagang          |
| Luh Suseniwati        | Perempuan     | 57   | Kalianget   | Pedagang          |
| Made Budiastra        | Laki-Laki     | 57   | Kalisada    | Petani            |
| I Made Santani        | Perempuan     | 29   | Kalisada    | Pedagang          |
| Kadek Agus Darsana    | Laki-Laki     | 26   | Banjarasem  | Pedagang          |
| Putu Periwawan        | Laki-Laki     | 55   | Tangguwisia | Nelayan           |
| Made Selawati         | Perempuan     | 63   | Sulanyah    | Pedagang          |
| Made Selawati         | Perempuan     | 49   | Sulanyah    | Pedagang          |
| Kadek Dewi Astriani   | Perempuan     | 53   | Bubunan     | Pedagang keliling |
| Putu Yudi Antara      | Laki-Laki     | 63   | Kalianget   | Pedagang          |
| Gede Mantra Adnyana   | Laki-Laki     | 63   | Joanyar     | Petani            |
| Nyoman Puja Sastrawan | Laki-Laki     | 53   | Lokapaksa   | Pedagang          |
| Putu Sugiartini       | Perempuan     | 43   | Banjarasem  | Pedagang keliling |
| Ni Luh Widianarini    | Perempuan     | 49   | Banjarasem  | Pedagang          |
| Ketut Suantari        | Perempuan     | 29   | Kalianget   | Pedagang          |

| Nama                 | Jenis kelamin | Usia | Alamat        | Pekerjaan          |
|----------------------|---------------|------|---------------|--------------------|
| Putu Darmayasa       | Laki-Laki     | 51   | Joanyar       | Buruh harian lepas |
| Kadek Rina Damayanti | Perempuan     | 35   | Kalisada      | Pedagang           |
| Wayan Budiasih       | Perempuan     | 26   | Lokapaksa     | Pedagang           |
| Putu Budiantara      | Laki-Laki     | 27   | Pangkung      | Petani             |
| Ni Luh Roya          | Perempuan     | 49   | Pangkungparuk | Petani             |
| Wayan Windia         | Laki-Laki     | 26   | Kalisada      | Petani             |
| Ketut Puspayoga      | Laki-Laki     | 35   | Kalisada      | Nelayan            |
| Luh Sukastining      | Perempuan     | 40   | Lokapaksa     | Pedagang           |
| Gede Arya Pratama    | Laki-Laki     | 62   | Kalisada      | Petani             |
| Putu Suliana         | Laki-Laki     | 45   | Tegallenga    | Pedagang           |
| Kadek Dewi Asih      | Perempuan     | 55   | Bubunan       | Pedagang           |
| Putu Suliantari      | Perempuan     | 65   | Bubunan       | Pedagang keliling  |
| Ketut Sukarta        | Laki-Laki     | 48   | Lokapaksa     | Petani             |
| Luh Sriadi           | Perempuan     | 51   | Bubunan       | Pedagang           |
| Putu Ariawan         | Laki-Laki     | 29   | Kalianget     | Buruh harian lepas |
| Gede Suarjana        | Laki-Laki     | 38   | Banjarasem    | Petani             |
| Gede Nista           | Laki-Laki     | 34   | Banjarasem    | Petani             |
| Gede Sridana         | Laki-Laki     | 53   | Lokapaksa     | Nelayan            |
| I Made Parwata       | Laki-Laki     | 27   | Lokapaksa     | Buruh harian lepas |

| Nama                 | Jenis kelamin | Usia | Alamat        | Pekerjaan          |
|----------------------|---------------|------|---------------|--------------------|
| Ni Luh Grianing      | Perempuan     | 48   | Pangkungparuk | Peternak           |
| Putu Agus Juniadi    | Laki-Laki     | 45   | Pangkungparuk | Buruh harian lepas |
| Kadek Suka Adnyana   | Laki-Laki     | 55   | Banjarasem    | Pedagang           |
| Komang Putra Adnyana | Laki-Laki     | 30   | Banjarasem    | Buruh harian lepas |
| Ketut Sukrada        | Laki-Laki     | 27   | Kalianget     | Buruh harian lepas |
| Made Santika         | Laki-Laki     | 51   | Tangguwisia   | Petani             |
| Kadek Minggu Yasa    | Laki-Laki     | 60   | Kalianget     | Petani             |
| Kadek Lista Ningsih  | Perempuan     | 46   | Joanyar       | Pedagang           |
| Kadek Suwardana      | Laki-Laki     | 33   | Lokapaksa     | Nelayan            |
| Luh Sudiani          | Perempuan     | 34   | Bubunan       | Pedagang keliling  |
| Putu Pasek Darmawan  | Laki-Laki     | 49   | Bubunan       | Petani             |
| Kadek Setiawan       | Laki-Laki     | 38   | Lokapaksa     | Pedagang           |
| Ketut Budi Suartana  | Laki-Laki     | 57   | Banjarasem    | Pedagang           |
| Putu Ayu Sutining    | Perempuan     | 53   | Tangguwisia   | Pekerja serabutan  |
| Ketut Suwita         | Laki-Laki     | 36   | Kalianget     | Petani             |
| Made Suryani         | Perempuan     | 60   | Lokapaksa     | Petani             |
| Nyoman Armika        | Laki-Laki     | 51   | Sulanyah      | Petani             |
| Nengah Pasek Parwata | Laki-Laki     | 33   | Pangkungparuk | Pedagang           |
| Putu Astrawan        | Laki-Laki     | 46   | Lokapaksa     | Nelayan            |

| Nama              | Jenis kelamin | Usia | Alamat        | Pekerjaan          |
|-------------------|---------------|------|---------------|--------------------|
| Wayan Suladra     | Laki-Laki     | 51   | Lokapaksa     | Nelayan            |
| Made Suwari       | Perempuan     | 60   | Banjarasem    | Pedagang           |
| Ketut Sudinsa     | Laki-Laki     | 46   | Joanyar       | Petani             |
| Nyoman Ardana     | Laki-Laki     | 43   | Banjarasem    | Petani             |
| Gede Pariadnyana  | Laki-Laki     | 42   | Lokapaksa     | Buruh harian lepas |
| Ni Made Adnyani   | Perempuan     | 52   | Kalisada      | Pedagang           |
| Komang Pastika    | Laki-Laki     | 34   | Lokapaksa     | Petani             |
| Komang Suarjana   | Laki-Laki     | 26   | Kalianget     | Buruh harian lepas |
| Wayan Mudiana     | Laki-Laki     | 56   | Pangkungparuk | Petani             |
| Gede Warasana     | Laki-Laki     | 41   | Banjarasem    | Pedagang keliling  |
| Nengah Susanta    | Laki-Laki     | 65   | Joanyar       | Buruh harian lepas |
| Putu Surada       | Laki-Laki     | 40   | Lokapaksa     | Petani             |
| Gede Sulastrawan  | Laki-Laki     | 49   | Lokapaksa     | Pedagang           |
| Komang Sumardiasa | Laki-Laki     | 36   | Kalianget     | Petani             |
| Ketut Darsini     | Perempuan     | 61   | Kalianget     | Pedagang           |
| Gede Yasa         | Laki-Laki     | 63   | Temukus       | Sopir              |
| Putu Agus Wisnawa | Laki-Laki     | 62   | Banjar        | Pedagang           |
| Komang Sudika     | Laki-Laki     | 35   | Temukus       | Petani             |
| Made Artining     | Perempuan     | 26   | Temukus       | Pedagang           |

| Nama                 | Jenis kelamin | Usia | Alamat     | Pekerjaan          |
|----------------------|---------------|------|------------|--------------------|
| I Nengah Kari        | Laki-Laki     | 61   | Pedawa     | Buruh harian lepas |
| Ketut Sumita         | Laki-Laki     | 61   | Banjar     | Petani             |
| Made Ayu Ningsih     | Perempuan     | 40   | Banjar     | Pedagang keliling  |
| Putu Mudira          | Laki-Laki     | 33   | Tigawasa   | Petani             |
| Wayan Buda           | Laki-Laki     | 59   | Dencarik   | Pedagang           |
| I gede suadnyana     | Laki-Laki     | 55   | Banjar     | Buruh tani         |
| Kadek Arya Parandita | Laki-Laki     | 61   | Tigawasa   | Peternak           |
| Ketut wira nastra    | Laki-Laki     | 49   | Banjar     | Petani             |
| Nyoman Saruni        | Perempuan     | 50   | Temukus    | Pedagang sayur     |
| Ni nyoman nastriani  | Perempuan     | 31   | Pedawa     | Pedagang nasi      |
| Nengah landra        | Laki-Laki     | 42   | Tirtasari  | Buruh tani         |
| Ketut artana         | Laki-Laki     | 35   | Banjar     | Petani             |
| Nyoman Partini       | Perempuan     | 51   | Banjar     | Pedagang           |
| Made Lentari         | Perempuan     | 36   | Temukus    | Pedagang warung    |
| Gede Suwastika       | Laki-Laki     | 63   | Dencarik   | Pertanian          |
| Ni Luh Muliantari    | Perempuan     | 45   | Dencarik   | Pedagang           |
| Ketut Nara           | Laki-Laki     | 56   | Banjarasem | Pedagang           |
| Komang Berati        | Perempuan     | 57   | Tigawasa   | Penjahit           |
| Made Widiada         | Laki-Laki     | 51   | Banjar     | Petani             |

| Nama               | Jenis kelamin | Usia | Alamat   | Pekerjaan |
|--------------------|---------------|------|----------|-----------|
| Komang Parmi       | Perempuan     | 38   | Temukus  | Penjahit  |
| Ketut Sri Budayani | Perempuan     | 35   | Dencarik | Pedagang  |
| Putu Tirta         | Laki-Laki     | 44   | Pedawe   | Petani    |
| Luh Ayu Ratna      | Perempuan     | 29   | Temukus  | Penjahit  |
| Ketut Surata       | Laki-Laki     | 50   | Kaliasem | Peternak  |
| Made Tinggen       | Perempuan     | 58   | Kaliasem | Pedagang  |
| Nengah Redite      | Laki-Laki     | 29   | Banjar   | Pedagang  |
| Ni Luh Suci        | Perempuan     | 64   | Temukus  | Penjahit  |
| Ketut Selamat      | Laki-Laki     | 54   | Dencarik | Pedagang  |
| Ni Nengah Merti    | Perempuan     | 55   | Dencarik | Pedagang  |
| Ketut Widiassa     | Laki-Laki     | 59   | Banjar   | Pedagang  |
| Ni Wayan Sandri    | Perempuan     | 64   | Banjar   | Pedagang  |
| Putu Nonik Erawati | Perempuan     | 31   | Dencarik | Pedagang  |
| I Made Wirta       | Laki-Laki     | 42   | Dencarik | Penjahit  |
| I Made Srijaya     | Laki-Laki     | 61   | Temukus  | Pengrajin |
| Nyoman Reca        | Laki-Laki     | 52   | Tigawasa | Petani    |
| Ni Luh Mita        | Perempuan     | 32   | Temukus  | Penjahit  |
| Made Darmika       | Laki-Laki     | 49   | Temukus  | Peternak  |
| Putu Peri Setiawan | Laki-Laki     | 50   | Dencarik | Pedagang  |

| Nama                  | Jenis kelamin | Usia | Alamat   | Pekerjaan  |
|-----------------------|---------------|------|----------|------------|
| Gede Wira Adnyana     | Laki-Laki     | 62   | Temukus  | Pengrajin  |
| Gede Arbawa           | Laki-Laki     | 54   | Temukus  | Peternak   |
| Putu Eka Wardana      | Laki-Laki     | 42   | Dencarik | Peternak   |
| Ketut Sugiartana      | Laki-Laki     | 34   | Dencarik | Pedagang   |
| Kadek Ayu Lestari     | Perempuan     | 50   | Dencarik | Penjahit   |
| I Made Mahartana      | Laki-Laki     | 50   | Dencarik | Pedagang   |
| Gede Pramana          | Laki-Laki     | 63   | Dencarik | Pedagang   |
| Komang Joni Artawan   | Laki-Laki     | 48   | Banjar   | Pengrajin  |
| Ni Made Sulandri      | Laki-Laki     | 52   | Tigawasa | Penjahit   |
| Putu Sukrana          | Laki-Laki     | 28   | Banjar   | Peternak   |
| Gede Edi Suparta Yasa | Laki-Laki     | 44   | Temukus  | Peternak   |
| Nyoman Nadi           | Laki-Laki     | 55   | Dencarik | Petani     |
| I Ketut Sudiarta      | Laki-Laki     | 60   | Dencarik | Pertanian  |
| Komang edi darmawan   | Laki-Laki     | 42   | Pedawa   | Pertanian  |
| Ketut Eka Pitriani    | Perempuan     | 51   | Banjar   | Penjahit   |
| Komang Dana           | Laki-Laki     | 31   | Banjar   | Pengrajin  |
| Nyoman Sukadana       | Laki-Laki     | 58   | Temukus  | Peternakan |
| Gede Kencana          | Laki-Laki     | 30   | Dencarik | Penjahit   |
| Putu Sri Utami        | Perempuan     | 32   | Dencarik | Peternak   |

| Nama               | Jenis kelamin | Usia | Alamat   | Pekerjaan |
|--------------------|---------------|------|----------|-----------|
| Ketut Metrining    | Perempuan     | 63   | Banjar   | Pedagang  |
| I Wayan Semara     | Laki-Laki     | 36   | Banjar   | Petani    |
| Wayan Sulatra      | Laki-Laki     | 59   | Dencarik | Peternak  |
| Wayan Wiryra       | Laki-Laki     | 40   | Dencarik | Peternak  |
| Made Siti          | Perempuan     | 64   | Banjar   | Pedagang  |
| Nyoman Sukatri     | Perempuan     | 58   | Temukus  | Peternak  |
| Kadek Astrana      | Laki-Laki     | 46   | Banjar   | Petani    |
| Luh Suryani        | Perempuan     | 45   | Banjar   | Penjahit  |
| Putu Ariwibawa     | Laki-Laki     | 41   | Dencarik | Peternak  |
| Kadek Ardi Wirawan | Laki-Laki     | 46   | Dencarik | Pengrajin |
| Putu Soeta         | Laki-Laki     | 55   | Tigawasa | Petani    |
| Ketut Muliarta     | Laki-Laki     | 30   | Banjar   | Peternak  |
| Wayan Sudani       | Perempuan     | 32   | Temukus  | Peternak  |
| Wayan Soma         | Laki-Laki     | 28   | Dencarik | Petani    |
| Nyoman Darsana     | Laki-Laki     | 30   | Pedawa   | Petani    |
| Ketut Arya Paraada | Laki-Laki     | 49   | Dencarik | Pedagang  |
| Kadek Riani        | Perempuan     | 46   | Pedawa   | Penjahit  |
| Kadek Kartini      | Perempuan     | 41   | Dencarik | Pedagang  |
| Ketut Sugiana      | Laki-Laki     | 53   | Dencarik | Peternak  |

| Nama                | Jenis kelamin | Usia | Alamat    | Pekerjaan |
|---------------------|---------------|------|-----------|-----------|
| Putu Kawit          | Laki-Laki     | 63   | Dencarik  | Petani    |
| Nyoman Kartini      | Perempuan     | 30   | Banjar    | Pedagang  |
| Kadek Lili Kusuma   | Perempuan     | 44   | Tigawasa  | Penjahit  |
| Nyoman Sukerta Yasa | Laki-Laki     | 32   | Banjar    | Peternak  |
| Made Sarka          | Laki-Laki     | 43   | Temukus   | Petani    |
| Putu Sawitra        | Laki-Laki     | 51   | Dencarik  | Pedagang  |
| I Gede Suartana     | Laki-Laki     | 40   | Banjar    | Peternak  |
| I Gede Sumenase     | Laki-Laki     | 28   | Banjar    | Peternak  |
| Ni Luh Putri        | Perempuan     | 43   | Temukus   | Peternak  |
| I Ketut Suadnyana   | Laki-Laki     | 46   | Pedawa    | Petani    |
| Nyoman Aprining     | Perempuan     | 53   | Tirtasari | Peternak  |
| Gede Billy Saputra  | Laki-Laki     | 61   | Banjar    | Pedagang  |
| Ni Luh Sarmiki      | Perempuan     | 50   | Temukus   | Peternak  |
| Kadek Rusiani       | Perempuan     | 40   | Dencarik  | Peternak  |
| Kadek Hendrawan     | Laki-Laki     | 52   | Dencarik  | Petani    |
| Kadek Armawan       | Laki-Laki     | 36   | Dencarik  | Petani    |
| Gede Agus Putrawan  | Laki-Laki     | 56   | Banjar    | Pedagang  |
| Putu Merta          | Laki-Laki     | 48   | Tigawasa  | Petani    |
| Ni Luh Budarini     | Perempuan     | 59   | Banjar    | Penjahit  |

| Nama                 | Jenis kelamin | Usia | Alamat           | Pekerjaan       |
|----------------------|---------------|------|------------------|-----------------|
| Ni Luh Sumantri      | Perempuan     | 41   | Banjar           | Penjahit        |
| Ketut Darmi          | Perempuan     | 48   | Banjar           | Peternak        |
| Putu Sumerana        | Laki-Laki     | 55   | Banjar           | Petani          |
| Komang Dodik Permana | Laki-Laki     | 65   | Dencarik         | Pedagang        |
| Luh Parniti          | Perempuan     | 41   | Dencarik         | Peternak        |
| Mad3 Rendy Pranata   | Laki-Laki     | 30   | Temukus          | Pedagang        |
| I Gede Gargita       | Laki-Laki     | 32   | Banyuning Timur  | Petani          |
| Ni Ketut Kartini     | Perempuan     | 38   | Banyuning Timur  | Pedagang        |
| I Ketut Darmayasa    | Laki-Laki     | 37   | Banyuning Timur  | Mekanik bengkel |
| Komang Budayasa      | Laki-Laki     | 45   | Banyuning Barat  | Peternak        |
| I Wayan Wija         | Laki-Laki     | 48   | Banyuning Barat  | Petani          |
| I Putu Kaler         | Laki-Laki     | 59   | Banyuning Timur  | Pedagang        |
| Ketut Megeg          | Laki-Laki     | 31   | Banyuning Tengah | Pedagang        |
| Ni Putu Warni        | Perempuan     | 28   | Banyuning Utara  | Pedagang        |
| Ni Luh Sukanadi      | Perempuan     | 46   | Penarukan        | Pedagang        |
| Kadek Arik Ariawan   | Laki-Laki     | 59   | Penarukan        | Pengrajin       |
| Putu Yasih           | Perempuan     | 28   | Banyuning Tengah | Pedagang        |
| Gede Mahartana       | Laki-Laki     | 64   | Banyuning Timur  | Peternak        |
| Komang Suardana      | Laki-Laki     | 63   | Banyuning Timur  | Petani          |

| Nama                | Jenis kelamin | Usia | Alamat           | Pekerjaan |
|---------------------|---------------|------|------------------|-----------|
| Kadek Budi Ariasa   | Laki-Laki     | 42   | Penarukan        | Peternak  |
| Kadek Metriani      | Perempuan     | 35   | Kerobokan        | Penjahit  |
| Ketut Artika        | Laki-Laki     | 52   | Banyuning Barat  | Pedagang  |
| Gede Ariana         | Laki-Laki     | 49   | Penarukan        | Pedagang  |
| Komang Tirtaningsih | Perempuan     | 53   | Penarukan        | Penjahit  |
| Madr Yasa           | Laki-Laki     | 53   | Kerobokan        | Pedagang  |
| Ni Luh Sudiasih     | Perempuan     | 59   | Penarukan        | Pedagang  |
| Made Sudana         | Laki-Laki     | 47   | Kerobokan        | Petani    |
| Ketut Sandri        | Perempuan     | 56   | Banyuning Timur  | Pedagang  |
| I Gede Utama        | Laki-Laki     | 36   | Banyuning Timur  | Pengrajin |
| Made Sariani        | Perempuan     | 65   | Penarukan        | Pedagang  |
| Made Sridana        | Laki-Laki     | 58   | Banyuning Tengah | Pengrajin |
| Nyoman Mertayasa    | Laki-Laki     | 46   | Banyuning Barat  | Petani    |
| Made Supartika      | Laki-Laki     | 43   | Penarukan        | Pedagang  |
| Kadek Suryawan      | Laki-Laki     | 33   | Penarukan        | Peternak  |
| Kadek Meriani       | Laki-Laki     | 32   | Kadek Meriani    | Pedagang  |
| Ni Luh Ariani       | Perempuan     | 46   | Kerobokan        | Penjahit  |
| Gede Suastika       | Laki-Laki     | 62   | Kerobokan        | Petani    |
| Wayan Purniati      | Perempuan     | 54   | Banyuning Timur  | Pedagang  |

| Nama                 | Jenis kelamin | Usia | Alamat           | Pekerjaan       |
|----------------------|---------------|------|------------------|-----------------|
| Gede Darmayasa       | Laki-Laki     | 39   | Banyuning Timur  | Mekanik bengkel |
| Ketut Suwarana       | Laki-Laki     | 56   | Penarukan        | Pedagang        |
| I Gede Pasek Adnyana | Laki-Laki     | 39   | Banyuning Tengah | Petani          |
| Made Radiasa         | Laki-Laki     | 58   | Banyuning barat  | Peternak        |
| Kadek Agus Aryanta   | Laki-Laki     | 49   | Kerobokan        | Pedagang        |
| Nyoman Widiarsa      | Laki-Laki     | 35   | Banyuning utara  | Petani          |
| Made Suarneli        | Perempuan     | 53   | Banyuning tengah | Peternak        |
| Ketut Nasih          | Perempuan     | 49   | Penarukan        | Peternak        |
| Nengah Santra        | Laki-Laki     | 39   | Kerobokan        | Petani          |
| Ketut Sedana         | Laki-Laki     | 64   | Kerobokan        | Petani          |
| Komang Suartawan     | Laki-Laki     | 61   | Banyuning timur  | Pedagang        |
| Gede Seni Adnyana    | Laki-Laki     | 57   | Banyuning timur  | Petani          |
| Putu Wandra          | Laki-Laki     | 31   | Penarukan        | Peternak        |
| Putu Agus Darsana    | Laki-Laki     | 36   | Banyuning tengah | Peternak        |
| Luh Ari Yuliantini   | Perempuan     | 40   | Banyuning barat  | Pedagang        |
| Gede Swarbawa        | Laki-Laki     | 32   | Penarukan        | Peternak        |
| Ni Luh Lestari       | Laki-Laki     | 36   | Penarukan        | Pedagang        |
| Ketut Nasih          | Laki-Laki     | 61   | Banyuning tengag | Peternak        |
| Kadek Widana         | Laki-Laki     | 33   | Banyuning utara  | Pedagang        |

| Nama                 | Jenis kelamin | Usia | Alamat           | Pekerjaan       |
|----------------------|---------------|------|------------------|-----------------|
| Ni Luh Sarmini       | Perempuan     | 42   | Banyuning utara  | Pedagang        |
| I Gede Pandeca       | Laki-Laki     | 45   | Kerobokan        | Pedagang        |
| Nengah Nadi          | Perempuan     | 43   | Kerobokan        | Penjahit        |
| Ni Ketut Srimben     | Laki-Laki     | 65   | Penarukan        | Peternak        |
| I Kadek Pramadi      | Laki-Laki     | 56   | Banyuning Timur  | Mekanik bengkel |
| Kadek Pramadi        | Laki-Laki     | 63   | Banyuning timur  | Peternak        |
| Kadek Surya Putrawan | Laki-Laki     | 25   | Penarukan        | Petani          |
| Wayan Darmika        | Laki-Laki     | 63   | Kerobokan        | Pedagang        |
| Ketut Mertadana      | Laki-Laki     | 29   | Banyuning utara  | Peternak        |
| Made Suardana        | Laki-Laki     | 40   | Penarukan        | Petani          |
| Wayan Toyasari       | Laki-Laki     | 31   | Banyuninh tengah | Peternak        |
| Ni Nyoman Ciri       | Perempuan     | 57   | Penarukan        | Pedagang        |
| Gede Darma Astana    | Laki-Laki     | 26   | Banyuning timur  | Petani          |
| Ketut Naning         | Perempuan     | 42   | Ketobokan        | Pedagang        |
| Kadek Srinama        | Laki-Laki     | 27   | Banyuning timur  | Pedagang        |
| Ketut Caya           | Laki-Laki     | 25   | Banyuning tengah | Peternak        |
| Nyoman Nila          | Laki-Laki     | 38   | Banyuning utara  | Pengrajin       |
| Nyoman Kerti         | Laki-Laki     | 41   | Kerobokan        | Petani          |
| Luh Seniasih         | Perempuan     | 38   | Banyuning utara  | Pedagang        |

| Nama             | Jenis kelamin | Usia | Alamat           | Pekerjaan |
|------------------|---------------|------|------------------|-----------|
| Made Lanus Putra | Laki-Laki     | 31   | Kerobokan        | Petani    |
| Made Darmasana   | Laki-Laki     | 50   | Kerobokan        | Pedagang  |
| Nyoman Suarsana  | Laki-Laki     | 36   | Banyuning timur  | Petani    |
| Made Budi Artana | Laki-Laki     | 38   | Banyuning barat  | Pengrajin |
| Nyoman Gargita   | Laki-Laki     | 32   | Benyuning tengah | Pengrajin |
| Wayan Mudiarta   | Laki-Laki     | 54   | Banyuniny tengah | Pedagang  |
| Nyoman Armika    | Laki-Laki     | 37   | Banyuning tengah | Pengrajin |
| Madr Sulastrini  | Perempuan     | 39   | Kerobokan        | Penjahit  |
| Ketut Mustika    | Laki-Laki     | 44   | Banyuning barat  | Petani    |
| Gede Darsana     | Laki-Laki     | 63   | Penarukan        | Petani    |
| Luh Rusmita      | Perempuan     | 51   | Banyuning utara  | Pedagang  |
| Putu Wiranata    | Laki-Laki     | 25   | Banyuning tengag | Pedagang  |

**Lampiran 6 Tabulasi Data Persepsi Responden atas Variabel Penelitian**

| NO | X1<br>.1 | X1<br>.2 | X2<br>.1 | X2<br>.2 | X3<br>.1 | X3<br>.2 | X4<br>.1 | X4<br>.2 | X5<br>.1 | X5<br>.2 | M<br>1.1 | M<br>1.2 | M<br>2.1 | M<br>2.2 | M<br>3.1 | M<br>3.2 | Z1<br>.1 | Z1<br>.2 | Z2<br>.1 | Z2<br>.2 | Z3<br>.1 | Z3<br>.2 | Z4<br>.1 | Z4<br>.2 | Y1<br>.1 | Y1<br>.2 | Y2<br>.1 | Y2<br>.2 |
|----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 1  | 4        | 3        | 4        | 3        | 3        | 4        | 3        | 3        | 4        | 3        | 5        | 5        | 5        | 4        | 4        | 5        | 5        | 4        | 4        | 3        | 4        | 4        | 4        | 4        | 5        | 5        | 5        | 4        |
| 2  | 3        | 4        | 5        | 3        | 4        | 5        | 4        | 4        | 4        | 5        | 2        | 2        | 4        | 2        | 4        | 2        | 2        | 2        | 2        | 3        | 2        | 2        | 2        | 2        | 4        | 4        | 4        | 4        |
| 3  | 3        | 5        | 3        | 3        | 4        | 5        | 4        | 5        | 3        | 5        | 5        | 4        | 5        | 5        | 5        | 3        | 4        | 4        | 5        | 5        | 4        | 4        | 5        | 5        | 5        | 5        | 5        | 4        |
| 4  | 5        | 4        | 3        | 3        | 4        | 5        | 3        | 5        | 3        | 5        | 3        | 5        | 4        | 3        | 4        | 3        | 2        | 2        | 3        | 1        | 2        | 2        | 1        | 2        | 2        | 2        | 1        | 1        |
| 5  | 5        | 4        | 5        | 5        | 4        | 4        | 4        | 5        | 4        | 5        | 3        | 4        | 4        | 4        | 4        | 3        | 5        | 5        | 5        | 5        | 4        | 4        | 5        | 5        | 4        | 4        | 4        | 3        |
| 6  | 3        | 2        | 2        | 4        | 3        | 4        | 2        | 3        | 4        | 4        | 3        | 2        | 3        | 3        | 2        | 3        | 3        | 3        | 2        | 2        | 2        | 2        | 3        | 3        | 5        | 5        | 5        | 4        |
| 7  | 4        | 4        | 3        | 4        | 3        | 4        | 5        | 5        | 4        | 3        | 5        | 5        | 5        | 4        | 5        | 5        | 5        | 4        | 3        | 4        | 4        | 4        | 5        | 4        | 2        | 2        | 2        | 2        |
| 8  | 2        | 2        | 2        | 2        | 2        | 1        | 2        | 3        | 2        | 1        | 4        | 4        | 3        | 5        | 3        | 4        | 5        | 5        | 5        | 4        | 5        | 5        | 5        | 4        | 2        | 4        | 3        | 3        |
| 9  | 3        | 3        | 4        | 2        | 2        | 3        | 3        | 3        | 3        | 3        | 5        | 3        | 4        | 4        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 5        | 5        | 5        |
| 10 | 3        | 3        | 3        | 3        | 2        | 2        | 3        | 4        | 2        | 2        | 5        | 3        | 5        | 3        | 4        | 4        | 5        | 5        | 4        | 4        | 5        | 4        | 5        | 4        | 4        | 3        | 5        | 3        |
| 11 | 4        | 4        | 3        | 4        | 5        | 5        | 4        | 5        | 4        | 4        | 5        | 4        | 5        | 5        | 4        | 4        | 3        | 4        | 5        | 4        | 4        | 4        | 4        | 4        | 4        | 5        | 5        | 3        |
| 12 | 4        | 5        | 5        | 4        | 3        | 4        | 3        | 5        | 5        | 3        | 3        | 3        | 4        | 3        | 4        | 4        | 5        | 5        | 5        | 5        | 4        | 4        | 5        | 5        | 3        | 4        | 4        | 3        |
| 13 | 3        | 3        | 3        | 4        | 5        | 4        | 4        | 3        | 4        | 5        | 5        | 5        | 5        | 4        | 5        | 5        | 3        | 4        | 4        | 3        | 3        | 4        | 3        | 3        | 4        | 5        | 4        | 4        |
| 14 | 3        | 4        | 5        | 4        | 5        | 4        | 3        | 3        | 3        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 4        | 5        | 4        | 5        | 5        | 3        | 5        | 3        | 3        | 2        | 4        | 2        |
| 15 | 5        | 4        | 3        | 4        | 3        | 4        | 4        | 4        | 5        | 4        | 4        | 5        | 5        | 4        | 5        | 5        | 4        | 5        | 5        | 4        | 4        | 3        | 4        | 3        | 4        | 4        | 4        | 3        |
| 16 | 4        | 5        | 5        | 4        | 3        | 4        | 4        | 4        | 4        | 4        | 2        | 3        | 4        | 3        | 4        | 2        | 5        | 4        | 5        | 5        | 4        | 5        | 5        | 4        | 4        | 4        | 5        | 4        |
| 17 | 1        | 2        | 3        | 3        | 3        | 2        | 2        | 3        | 2        | 3        | 3        | 3        | 3        | 3        | 2        | 3        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 4        | 4        | 3        | 4        |
| 18 | 3        | 3        | 4        | 3        | 4        | 4        | 4        | 3        | 5        | 4        | 4        | 4        | 4        | 4        | 3        | 4        | 2        | 3        | 3        | 4        | 3        | 2        | 3        | 3        | 5        | 4        | 5        | 4        |
| 19 | 5        | 5        | 4        | 5        | 5        | 4        | 4        | 5        | 5        | 5        | 4        | 4        | 4        | 4        | 4        | 4        | 5        | 4        | 5        | 5        | 5        | 5        | 5        | 5        | 3        | 4        | 4        | 3        |

| NO | X1<br>.1 | X1<br>.2 | X2<br>.1 | X2<br>.2 | X3<br>.1 | X3<br>.2 | X4<br>.1 | X4<br>.2 | X5<br>.1 | X5<br>.2 | M<br>1.1 | M<br>1.2 | M<br>2.1 | M<br>2.2 | M<br>3.1 | M<br>3.2 | Z1<br>.1 | Z1<br>.2 | Z2<br>.1 | Z2<br>.2 | Z3<br>.1 | Z3<br>.2 | Z4<br>.1 | Z4<br>.2 | Y1<br>.1 | Y1<br>.2 | Y2<br>.1 | Y2<br>.2 |
|----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 20 | 4        | 4        | 3        | 5        | 3        | 3        | 3        | 3        | 4        | 4        | 5        | 4        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 3        | 4        | 3        | 4        | 5        | 4        | 4        | 4        | 5        |
| 21 | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 5        | 5        | 2        | 4        | 5        | 5        | 4        | 3        | 5        | 5        | 4        | 5        | 5        | 5        | 5        | 5        | 4        | 4        | 5        | 3        |
| 22 | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 4        | 3        | 4        | 5        | 3        | 4        | 3        | 2        | 3        | 3        | 3        | 3        | 3        | 4        | 4        | 3        | 3        |
| 23 | 4        | 4        | 3        | 4        | 3        | 3        | 4        | 4        | 4        | 5        | 4        | 3        | 4        | 4        | 5        | 3        | 2        | 3        | 3        | 3        | 2        | 3        | 4        | 3        | 2        | 4        | 3        | 3        |
| 24 | 3        | 3        | 2        | 3        | 2        | 3        | 4        | 4        | 3        | 2        | 4        | 4        | 3        | 3        | 2        | 4        | 4        | 4        | 3        | 4        | 4        | 5        | 5        | 5        | 5        | 5        | 5        | 5        |
| 25 | 5        | 3        | 4        | 3        | 3        | 5        | 3        | 4        | 4        | 4        | 5        | 5        | 5        | 5        | 4        | 5        | 3        | 3        | 4        | 3        | 5        | 3        | 3        | 3        | 4        | 4        | 3        | 4        |
| 26 | 4        | 4        | 5        | 5        | 4        | 4        | 5        | 5        | 5        | 5        | 4        | 5        | 5        | 5        | 5        | 4        | 1        | 1        | 2        | 2        | 1        | 1        | 2        | 3        | 4        | 5        | 3        | 3        |
| 27 | 4        | 4        | 5        | 5        | 5        | 4        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 4        | 3        | 4        | 5        | 5        | 5        | 5        | 5        | 4        | 5        | 5        | 5        | 5        | 5        | 5        |
| 28 | 5        | 5        | 5        | 4        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 4        | 4        | 4        | 5        | 5        | 5        | 5        | 4        | 4        | 5        | 5        | 5        | 2        | 2        | 2        | 1        |
| 29 | 2        | 2        | 3        | 2        | 2        | 2        | 3        | 2        | 3        | 3        | 3        | 4        | 4        | 4        | 4        | 5        | 4        | 4        | 4        | 4        | 4        | 4        | 4        | 4        | 4        | 5        | 4        | 4        |
| 30 | 5        | 5        | 4        | 3        | 3        | 4        | 4        | 3        | 4        | 4        | 2        | 3        | 3        | 2        | 2        | 2        | 4        | 4        | 5        | 5        | 3        | 4        | 4        | 5        | 2        | 2        | 1        | 1        |
| 31 | 3        | 4        | 4        | 4        | 4        | 4        | 3        | 5        | 4        | 5        | 3        | 3        | 5        | 5        | 3        | 4        | 3        | 5        | 3        | 4        | 3        | 4        | 4        | 4        | 4        | 4        | 3        | 4        |
| 32 | 5        | 3        | 5        | 3        | 4        | 3        | 5        | 4        | 5        | 4        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 4        | 5        | 3        | 4        | 4        | 4        | 3        | 4        | 3        | 3        |
| 33 | 4        | 3        | 4        | 4        | 5        | 5        | 4        | 5        | 5        | 4        | 4        | 5        | 5        | 5        | 4        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 4        |
| 34 | 5        | 4        | 4        | 3        | 4        | 5        | 5        | 3        | 3        | 4        | 4        | 5        | 4        | 4        | 5        | 4        | 4        | 3        | 4        | 4        | 5        | 5        | 4        | 4        | 4        | 5        | 5        | 4        |
| 35 | 2        | 1        | 1        | 2        | 2        | 3        | 1        | 1        | 3        | 1        | 4        | 5        | 5        | 5        | 5        | 5        | 2        | 2        | 2        | 1        | 2        | 2        | 1        | 3        | 3        | 4        | 4        | 3        |
| 36 | 4        | 4        | 4        | 4        | 3        | 4        | 4        | 3        | 4        | 4        | 4        | 2        | 4        | 4        | 3        | 3        | 3        | 2        | 4        | 3        | 3        | 4        | 3        | 4        | 4        | 4        | 4        | 5        |
| 37 | 3        | 1        | 2        | 3        | 3        | 2        | 2        | 3        | 1        | 2        | 2        | 4        | 3        | 4        | 3        | 3        | 3        | 2        | 3        | 2        | 2        | 2        | 1        | 1        | 3        | 4        | 4        | 4        |
| 38 | 3        | 3        | 4        | 3        | 4        | 3        | 4        | 3        | 5        | 4        | 1        | 3        | 2        | 1        | 2        | 1        | 4        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 4        | 4        | 3        |
| 39 | 5        | 5        | 4        | 5        | 5        | 5        | 5        | 5        | 4        | 4        | 4        | 3        | 4        | 3        | 4        | 4        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 3        | 5        | 3        | 4        |
| 40 | 4        | 5        | 5        | 5        | 5        | 4        | 5        | 5        | 5        | 4        | 4        | 5        | 3        | 3        | 4        | 4        | 4        | 4        | 3        | 4        | 3        | 3        | 3        | 2        | 5        | 4        | 4        | 5        |

| NO | X1<br>.1 | X1<br>.2 | X2<br>.1 | X2<br>.2 | X3<br>.1 | X3<br>.2 | X4<br>.1 | X4<br>.2 | X5<br>.1 | X5<br>.2 | M<br>1.1 | M<br>1.2 | M<br>2.1 | M<br>2.2 | M<br>3.1 | M<br>3.2 | Z1<br>.1 | Z1<br>.2 | Z2<br>.1 | Z2<br>.2 | Z3<br>.1 | Z3<br>.2 | Z4<br>.1 | Z4<br>.2 | Y1<br>.1 | Y1<br>.2 | Y2<br>.1 | Y2<br>.2 |
|----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 41 | 5        | 5        | 5        | 5        | 4        | 5        | 5        | 5        | 4        | 5        | 4        | 4        | 5        | 5        | 4        | 5        | 3        | 2        | 4        | 2        | 2        | 3        | 3        | 4        | 5        | 5        | 5        | 5        |
| 42 | 4        | 5        | 4        | 4        | 3        | 4        | 3        | 4        | 3        | 4        | 3        | 5        | 4        | 3        | 5        | 5        | 3        | 3        | 5        | 4        | 5        | 4        | 3        | 5        | 4        | 3        | 3        | 5        |
| 43 | 3        | 3        | 4        | 5        | 5        | 4        | 4        | 4        | 3        | 5        | 5        | 4        | 3        | 5        | 5        | 5        | 5        | 3        | 4        | 5        | 3        | 4        | 3        | 4        | 5        | 3        | 4        | 4        |
| 44 | 1        | 2        | 1        | 1        | 2        | 2        | 1        | 1        | 2        | 2        | 5        | 4        | 5        | 5        | 5        | 5        | 5        | 4        | 5        | 5        | 5        | 5        | 5        | 5        | 1        | 2        | 1        | 1        |
| 45 | 5        | 4        | 3        | 5        | 4        | 3        | 3        | 5        | 4        | 4        | 4        | 5        | 4        | 5        | 5        | 4        | 4        | 3        | 3        | 3        | 5        | 4        | 3        | 4        | 3        | 3        | 4        | 4        |
| 46 | 5        | 3        | 4        | 4        | 4        | 4        | 5        | 4        | 5        | 4        | 2        | 4        | 2        | 2        | 2        | 3        | 3        | 3        | 2        | 3        | 4        | 3        | 4        | 2        | 2        | 3        | 3        | 4        |
| 47 | 2        | 1        | 2        | 2        | 3        | 1        | 1        | 2        | 2        | 1        | 4        | 4        | 4        | 4        | 5        | 3        | 5        | 4        | 5        | 5        | 3        | 3        | 4        | 4        | 5        | 5        | 5        | 5        |
| 48 | 5        | 4        | 5        | 4        | 5        | 5        | 5        | 4        | 5        | 5        | 3        | 2        | 4        | 4        | 4        | 4        | 4        | 4        | 4        | 4        | 4        | 4        | 4        | 4        | 4        | 3        | 4        | 4        |
| 49 | 5        | 5        | 3        | 4        | 4        | 4        | 5        | 4        | 5        | 4        | 5        | 4        | 4        | 4        | 5        | 5        | 3        | 5        | 5        | 4        | 3        | 4        | 5        | 3        | 5        | 5        | 5        | 5        |
| 50 | 5        | 5        | 4        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 4        | 5        | 4        | 3        | 4        | 5        | 4        | 4        | 4        | 3        | 4        | 3        | 4        | 4        | 5        | 4        | 5        |
| 51 | 5        | 4        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 3        | 1        | 2        | 2        | 3        | 3        | 4        | 5        | 4        | 4        | 5        | 4        | 5        | 4        | 5        | 4        | 5        | 4        |
| 52 | 4        | 4        | 4        | 3        | 5        | 5        | 4        | 5        | 4        | 4        | 4        | 5        | 3        | 4        | 4        | 4        | 4        | 4        | 3        | 3        | 3        | 2        | 4        | 3        | 5        | 5        | 5        | 5        |
| 53 | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 5        | 5        | 5        | 3        | 5        | 3        | 5        | 4        | 5        | 2        | 2        | 2        | 3        | 2        | 3        | 4        | 2        | 5        | 5        | 4        | 4        |
| 54 | 3        | 3        | 3        | 2        | 3        | 3        | 4        | 2        | 2        | 2        | 4        | 3        | 5        | 4        | 4        | 5        | 5        | 5        | 5        | 5        | 4        | 5        | 4        | 4        | 4        | 5        | 3        | 4        |
| 55 | 5        | 5        | 4        | 4        | 4        | 5        | 4        | 4        | 4        | 4        | 5        | 4        | 5        | 4        | 4        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 4        | 4        | 4        | 5        |
| 56 | 5        | 5        | 4        | 5        | 5        | 5        | 5        | 4        | 5        | 4        | 4        | 5        | 5        | 5        | 5        | 5        | 3        | 3        | 2        | 2        | 4        | 4        | 3        | 3        | 4        | 5        | 4        | 4        |
| 57 | 3        | 5        | 5        | 4        | 3        | 4        | 3        | 3        | 3        | 3        | 4        | 4        | 4        | 4        | 5        | 3        | 4        | 4        | 4        | 4        | 5        | 4        | 4        | 4        | 2        | 3        | 3        | 2        |
| 58 | 4        | 4        | 5        | 5        | 4        | 4        | 5        | 5        | 3        | 3        | 5        | 4        | 4        | 4        | 3        | 5        | 4        | 5        | 5        | 3        | 3        | 5        | 4        | 4        | 2        | 4        | 3        | 4        |
| 59 | 5        | 4        | 4        | 4        | 5        | 3        | 4        | 3        | 5        | 5        | 4        | 3        | 2        | 4        | 4        | 2        | 2        | 1        | 3        | 1        | 1        | 2        | 2        | 3        | 1        | 1        | 2        | 2        |
| 60 | 5        | 3        | 3        | 3        | 3        | 4        | 5        | 3        | 5        | 5        | 3        | 3        | 4        | 2        | 4        | 4        | 5        | 4        | 5        | 5        | 4        | 4        | 4        | 5        | 4        | 5        | 4        | 4        |
| 61 | 4        | 5        | 4        | 4        | 5        | 5        | 5        | 5        | 5        | 4        | 3        | 3        | 1        | 2        | 3        | 1        | 4        | 4        | 4        | 5        | 4        | 3        | 4        | 5        | 4        | 4        | 4        | 4        |

| NO | X1<br>.1 | X1<br>.2 | X2<br>.1 | X2<br>.2 | X3<br>.1 | X3<br>.2 | X4<br>.1 | X4<br>.2 | X5<br>.1 | X5<br>.2 | M<br>1.1 | M<br>1.2 | M<br>2.1 | M<br>2.2 | M<br>3.1 | M<br>3.2 | Z1<br>.1 | Z1<br>.2 | Z2<br>.1 | Z2<br>.2 | Z3<br>.1 | Z3<br>.2 | Z4<br>.1 | Z4<br>.2 | Y1<br>.1 | Y1<br>.2 | Y2<br>.1 | Y2<br>.2 |
|----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 62 | 4        | 3        | 3        | 3        | 3        | 3        | 2        | 3        | 3        | 4        | 4        | 4        | 5        | 3        | 4        | 4        | 4        | 4        | 4        | 3        | 4        | 3        | 4        | 4        | 4        | 5        | 3        | 4        |
| 63 | 5        | 4        | 5        | 5        | 5        | 5        | 4        | 5        | 5        | 5        | 4        | 3        | 4        | 4        | 5        | 4        | 3        | 3        | 4        | 5        | 4        | 5        | 5        | 4        | 5        | 4        | 4        | 4        |
| 64 | 4        | 5        | 5        | 5        | 4        | 4        | 4        | 5        | 5        | 5        | 3        | 4        | 4        | 4        | 3        | 5        | 4        | 4        | 5        | 5        | 3        | 5        | 4        | 4        | 5        | 4        | 5        | 5        |
| 65 | 5        | 5        | 5        | 5        | 5        | 4        | 5        | 5        | 4        | 5        | 3        | 3        | 3        | 4        | 5        | 3        | 5        | 4        | 4        | 4        | 5        | 3        | 3        | 5        | 2        | 3        | 4        | 4        |
| 66 | 5        | 4        | 5        | 4        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 3        | 3        | 4        | 4        | 4        | 3        | 4        | 4        | 5        | 5        |
| 67 | 4        | 5        | 5        | 4        | 5        | 5        | 4        | 5        | 5        | 5        | 3        | 4        | 5        | 4        | 3        | 4        | 3        | 4        | 5        | 4        | 5        | 3        | 4        | 3        | 3        | 1        | 2        | 1        |
| 68 | 4        | 5        | 5        | 4        | 4        | 4        | 4        | 3        | 4        | 3        | 2        | 4        | 3        | 2        | 3        | 3        | 5        | 3        | 3        | 4        | 4        | 4        | 4        | 5        | 5        | 3        | 4        | 3        |
| 69 | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 3        | 4        | 5        | 3        | 5        | 4        | 4        | 5        | 4        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 3        |
| 70 | 4        | 4        | 4        | 5        | 4        | 4        | 3        | 4        | 4        | 4        | 4        | 2        | 2        | 3        | 2        | 2        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 5        | 4        | 3        | 4        |
| 71 | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 5        | 5        | 3        | 4        | 3        | 2        | 2        | 3        | 3        | 3        | 3        | 4        | 3        | 3        | 4        | 5        | 5        |
| 72 | 3        | 3        | 4        | 2        | 4        | 4        | 4        | 2        | 2        | 4        | 5        | 4        | 4        | 4        | 4        | 4        | 5        | 5        | 5        | 4        | 5        | 5        | 4        | 4        | 5        | 5        | 5        | 5        |
| 73 | 3        | 4        | 3        | 4        | 3        | 3        | 3        | 3        | 3        | 4        | 5        | 4        | 4        | 4        | 5        | 5        | 4        | 4        | 5        | 4        | 3        | 4        | 3        | 3        | 5        | 5        | 5        | 4        |
| 74 | 4        | 4        | 3        | 3        | 5        | 4        | 3        | 5        | 4        | 4        | 4        | 3        | 2        | 3        | 3        | 3        | 3        | 2        | 3        | 1        | 2        | 1        | 3        | 2        | 3        | 3        | 4        | 3        |
| 75 | 2        | 2        | 2        | 2        | 2        | 2        | 2        | 2        | 2        | 2        | 4        | 2        | 3        | 3        | 2        | 3        | 5        | 4        | 5        | 5        | 5        | 5        | 4        | 5        | 4        | 4        | 4        | 5        |
| 76 | 4        | 3        | 4        | 3        | 4        | 4        | 4        | 5        | 5        | 4        | 4        | 3        | 3        | 4        | 4        | 4        | 3        | 4        | 4        | 3        | 4        | 5        | 5        | 4        | 4        | 4        | 5        | 5        |
| 77 | 4        | 4        | 3        | 4        | 3        | 4        | 3        | 3        | 4        | 5        | 3        | 4        | 5        | 4        | 4        | 4        | 5        | 4        | 5        | 4        | 5        | 4        | 4        | 4        | 4        | 3        | 5        | 3        |
| 78 | 2        | 2        | 2        | 2        | 1        | 3        | 2        | 1        | 2        | 1        | 4        | 5        | 4        | 3        | 3        | 4        | 4        | 4        | 3        | 3        | 4        | 3        | 4        | 2        | 3        | 4        | 2        | 4        |
| 79 | 3        | 4        | 4        | 5        | 4        | 4        | 3        | 4        | 5        | 4        | 4        | 3        | 2        | 3        | 3        | 4        | 5        | 5        | 4        | 4        | 4        | 4        | 4        | 5        | 4        | 5        | 5        | 5        |
| 80 | 1        | 3        | 2        | 3        | 3        | 3        | 2        | 3        | 2        | 3        | 3        | 3        | 4        | 4        | 3        | 4        | 3        | 3        | 4        | 2        | 4        | 4        | 3        | 2        | 5        | 5        | 5        | 4        |
| 81 | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 2        | 3        | 3        | 3        | 3        | 4        | 5        | 4        | 5        | 4        | 4        | 4        | 4        | 3        | 5        | 4        | 4        | 5        |
| 82 | 4        | 3        | 4        | 5        | 4        | 5        | 5        | 4        | 4        | 3        | 5        | 5        | 4        | 5        | 5        | 4        | 3        | 3        | 1        | 2        | 2        | 2        | 1        | 2        | 3        | 4        | 4        | 4        |

| NO  | X1<br>.1 | X1<br>.2 | X2<br>.1 | X2<br>.2 | X3<br>.1 | X3<br>.2 | X4<br>.1 | X4<br>.2 | X5<br>.1 | X5<br>.2 | M<br>1.1 | M<br>1.2 | M<br>2.1 | M<br>2.2 | M<br>3.1 | M<br>3.2 | Z1<br>.1 | Z1<br>.2 | Z2<br>.1 | Z2<br>.2 | Z3<br>.1 | Z3<br>.2 | Z4<br>.1 | Z4<br>.2 | Y1<br>.1 | Y1<br>.2 | Y2<br>.1 | Y2<br>.2 |
|-----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 83  | 5        | 5        | 4        | 4        | 5        | 5        | 5        | 4        | 4        | 5        | 1        | 3        | 2        | 1        | 3        | 2        | 5        | 5        | 4        | 4        | 3        | 4        | 4        | 4        | 5        | 4        | 4        | 4        |
| 84  | 5        | 5        | 4        | 5        | 4        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 5        | 4        | 5        | 4        | 4        | 5        | 5        | 4        | 4        | 5        | 3        | 5        | 5        |
| 85  | 5        | 5        | 4        | 3        | 4        | 4        | 3        | 5        | 3        | 4        | 4        | 3        | 3        | 4        | 2        | 3        | 4        | 4        | 5        | 4        | 4        | 4        | 3        | 3        | 5        | 5        | 4        | 5        |
| 86  | 2        | 3        | 3        | 3        | 2        | 2        | 3        | 3        | 4        | 4        | 2        | 3        | 3        | 4        | 4        | 2        | 2        | 2        | 4        | 4        | 3        | 4        | 4        | 3        | 3        | 4        | 4        | 5        |
| 87  | 4        | 4        | 4        | 4        | 4        | 3        | 3        | 5        | 4        | 3        | 4        | 3        | 3        | 3        | 3        | 4        | 2        | 4        | 2        | 3        | 3        | 3        | 2        | 3        | 1        | 1        | 1        | 1        |
| 88  | 4        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 4        | 4        | 4        | 4        | 4        | 3        | 4        | 5        | 4        | 4        | 4        | 5        | 4        |
| 89  | 5        | 3        | 5        | 4        | 5        | 4        | 4        | 5        | 3        | 4        | 4        | 5        | 5        | 4        | 5        | 4        | 5        | 3        | 4        | 5        | 4        | 4        | 3        | 4        | 3        | 4        | 5        | 4        |
| 90  | 3        | 5        | 5        | 5        | 4        | 3        | 5        | 5        | 4        | 3        | 5        | 5        | 5        | 5        | 5        | 4        | 5        | 5        | 5        | 4        | 4        | 4        | 4        | 5        | 3        | 3        | 4        | 4        |
| 91  | 5        | 4        | 5        | 5        | 5        | 5        | 4        | 5        | 4        | 5        | 4        | 5        | 4        | 4        | 5        | 4        | 5        | 4        | 4        | 4        | 4        | 3        | 4        | 4        | 4        | 3        | 5        | 3        |
| 92  | 5        | 3        | 4        | 3        | 4        | 5        | 5        | 4        | 5        | 4        | 3        | 3        | 4        | 3        | 4        | 3        | 5        | 3        | 4        | 5        | 4        | 4        | 4        | 5        | 5        | 5        | 5        | 5        |
| 93  | 3        | 4        | 4        | 5        | 4        | 4        | 4        | 3        | 3        | 3        | 4        | 4        | 4        | 3        | 4        | 4        | 2        | 2        | 2        | 1        | 2        | 1        | 2        | 1        | 4        | 3        | 4        | 4        |
| 94  | 4        | 5        | 5        | 5        | 4        | 5        | 5        | 5        | 4        | 4        | 3        | 4        | 3        | 2        | 4        | 4        | 3        | 4        | 4        | 3        | 4        | 5        | 4        | 4        | 3        | 3        | 3        | 3        |
| 95  | 3        | 5        | 4        | 4        | 4        | 5        | 3        | 4        | 5        | 4        | 2        | 3        | 3        | 4        | 3        | 3        | 4        | 3        | 3        | 3        | 4        | 4        | 4        | 4        | 4        | 4        | 4        | 4        |
| 96  | 2        | 2        | 4        | 3        | 3        | 3        | 3        | 4        | 3        | 3        | 5        | 3        | 4        | 4        | 5        | 3        | 2        | 1        | 2        | 1        | 1        | 1        | 3        | 2        | 4        | 3        | 4        | 5        |
| 97  | 4        | 4        | 2        | 3        | 3        | 2        | 2        | 4        | 3        | 4        | 4        | 3        | 4        | 3        | 4        | 4        | 4        | 3        | 4        | 4        | 5        | 4        | 3        | 5        | 1        | 1        | 1        | 2        |
| 98  | 4        | 5        | 5        | 5        | 5        | 4        | 5        | 5        | 5        | 4        | 5        | 5        | 4        | 5        | 5        | 4        | 3        | 3        | 4        | 4        | 4        | 4        | 3        | 5        | 3        | 3        | 3        | 3        |
| 99  | 3        | 4        | 4        | 4        | 4        | 4        | 3        | 5        | 4        | 4        | 5        | 4        | 4        | 5        | 4        | 5        | 2        | 2        | 3        | 2        | 2        | 2        | 2        | 1        | 4        | 4        | 4        | 4        |
| 100 | 5        | 4        | 3        | 4        | 4        | 5        | 4        | 4        | 4        | 5        | 3        | 5        | 4        | 4        | 4        | 4        | 4        | 4        | 5        | 4        | 5        | 5        | 3        | 5        | 5        | 5        | 5        | 5        |
| 101 | 4        | 3        | 3        | 4        | 4        | 3        | 3        | 3        | 3        | 3        | 4        | 5        | 5        | 5        | 4        | 4        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 3        | 3        | 4        | 5        |
| 102 | 5        | 4        | 3        | 4        | 4        | 4        | 4        | 3        | 4        | 3        | 5        | 5        | 5        | 5        | 5        | 5        | 3        | 4        | 3        | 4        | 4        | 4        | 5        | 3        | 4        | 4        | 4        | 4        |
| 103 | 4        | 4        | 3        | 4        | 4        | 4        | 5        | 3        | 3        | 4        | 2        | 3        | 4        | 3        | 3        | 3        | 4        | 4        | 3        | 4        | 3        | 4        | 5        | 5        | 2        | 3        | 3        | 3        |

| NO  | X1<br>.1 | X1<br>.2 | X2<br>.1 | X2<br>.2 | X3<br>.1 | X3<br>.2 | X4<br>.1 | X4<br>.2 | X5<br>.1 | X5<br>.2 | M<br>1.1 | M<br>1.2 | M<br>2.1 | M<br>2.2 | M<br>3.1 | M<br>3.2 | Z1<br>.1 | Z1<br>.2 | Z2<br>.1 | Z2<br>.2 | Z3<br>.1 | Z3<br>.2 | Z4<br>.1 | Z4<br>.2 | Y1<br>.1 | Y1<br>.2 | Y2<br>.1 | Y2<br>.2 |
|-----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 104 | 3        | 4        | 4        | 3        | 4        | 3        | 3        | 2        | 3        | 4        | 3        | 2        | 3        | 4        | 3        | 4        | 3        | 5        | 4        | 5        | 3        | 4        | 4        | 3        | 5        | 5        | 5        | 5        |
| 105 | 4        | 4        | 5        | 4        | 4        | 4        | 5        | 4        | 4        | 4        | 5        | 5        | 4        | 4        | 5        | 5        | 4        | 3        | 3        | 3        | 4        | 3        | 3        | 3        | 4        | 3        | 4        | 5        |
| 106 | 4        | 5        | 4        | 5        | 4        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 5        | 5        | 5        | 5        | 4        | 5        | 5        | 4        | 5        | 4        | 5        | 5        | 3        | 4        | 3        | 3        |
| 107 | 4        | 4        | 4        | 2        | 3        | 3        | 3        | 2        | 3        | 3        | 4        | 4        | 4        | 5        | 5        | 5        | 4        | 4        | 5        | 5        | 4        | 4        | 4        | 5        | 5        | 3        | 5        | 3        |
| 108 | 3        | 3        | 4        | 4        | 3        | 3        | 3        | 3        | 2        | 2        | 2        | 2        | 2        | 3        | 3        | 1        | 3        | 3        | 4        | 4        | 5        | 5        | 5        | 4        | 4        | 4        | 5        | 4        |
| 109 | 4        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 4        | 4        | 5        | 4        | 5        | 3        | 3        | 5        | 5        | 4        | 3        | 3        | 4        | 3        | 4        |
| 110 | 4        | 3        | 3        | 3        | 4        | 5        | 3        | 4        | 3        | 4        | 4        | 3        | 4        | 4        | 4        | 5        | 2        | 1        | 3        | 2        | 1        | 3        | 2        | 3        | 1        | 3        | 2        | 2        |
| 111 | 5        | 4        | 5        | 5        | 5        | 4        | 4        | 5        | 5        | 5        | 3        | 5        | 4        | 4        | 3        | 3        | 2        | 2        | 3        | 3        | 2        | 2        | 2        | 2        | 1        | 1        | 1        | 1        |
| 112 | 3        | 2        | 2        | 3        | 3        | 2        | 4        | 2        | 3        | 4        | 4        | 3        | 5        | 4        | 3        | 5        | 2        | 1        | 3        | 2        | 3        | 1        | 1        | 3        | 5        | 3        | 3        | 5        |
| 113 | 3        | 4        | 4        | 3        | 4        | 3        | 4        | 3        | 4        | 3        | 5        | 4        | 5        | 5        | 4        | 5        | 4        | 4        | 4        | 2        | 3        | 2        | 3        | 3        | 5        | 5        | 4        | 5        |
| 114 | 4        | 5        | 3        | 3        | 4        | 3        | 4        | 3        | 3        | 4        | 3        | 4        | 3        | 4        | 4        | 4        | 2        | 3        | 5        | 3        | 3        | 4        | 4        | 5        | 4        | 5        | 4        | 3        |
| 115 | 4        | 5        | 4        | 5        | 3        | 5        | 4        | 4        | 3        | 4        | 5        | 5        | 3        | 4        | 5        | 3        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 4        | 3        | 3        |
| 116 | 4        | 5        | 3        | 3        | 4        | 4        | 5        | 3        | 4        | 4        | 5        | 5        | 4        | 5        | 4        | 5        | 4        | 3        | 3        | 3        | 4        | 3        | 4        | 2        | 4        | 5        | 4        | 4        |
| 117 | 5        | 4        | 5        | 4        | 4        | 5        | 4        | 3        | 3        | 3        | 3        | 4        | 4        | 3        | 3        | 3        | 4        | 4        | 4        | 3        | 3        | 4        | 5        | 4        | 3        | 4        | 3        | 3        |
| 118 | 4        | 4        | 4        | 4        | 5        | 4        | 5        | 4        | 3        | 4        | 5        | 4        | 5        | 5        | 5        | 5        | 3        | 2        | 4        | 3        | 4        | 2        | 2        | 4        | 5        | 5        | 5        | 5        |
| 119 | 4        | 4        | 4        | 4        | 3        | 4        | 2        | 4        | 4        | 3        | 4        | 4        | 3        | 4        | 3        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 4        | 4        | 3        |
| 120 | 4        | 3        | 5        | 3        | 4        | 4        | 5        | 5        | 5        | 4        | 4        | 4        | 2        | 3        | 3        | 4        | 5        | 5        | 5        | 5        | 5        | 4        | 4        | 5        | 4        | 3        | 5        | 4        |
| 121 | 4        | 4        | 4        | 3        | 4        | 3        | 4        | 3        | 4        | 4        | 2        | 3        | 3        | 3        | 4        | 3        | 4        | 4        | 5        | 5        | 5        | 4        | 4        | 5        | 4        | 4        | 5        | 5        |
| 122 | 5        | 5        | 5        | 5        | 5        | 4        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 5        | 5        | 3        | 4        | 4        | 4        | 4        | 5        | 5        | 3        | 4        | 3        | 3        |
| 123 | 3        | 4        | 3        | 3        | 4        | 4        | 4        | 5        | 4        | 4        | 5        | 5        | 4        | 4        | 4        | 5        | 4        | 5        | 4        | 4        | 4        | 4        | 4        | 4        | 5        | 5        | 4        | 4        |
| 124 | 5        | 5        | 4        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 4        | 5        | 4        | 4        | 3        | 4        | 4        | 5        | 5        | 5        | 5        | 5        | 4        | 3        | 4        | 3        | 5        |

| NO  | X1<br>.1 | X1<br>.2 | X2<br>.1 | X2<br>.2 | X3<br>.1 | X3<br>.2 | X4<br>.1 | X4<br>.2 | X5<br>.1 | X5<br>.2 | M<br>1.1 | M<br>1.2 | M<br>2.1 | M<br>2.2 | M<br>3.1 | M<br>3.2 | Z1<br>.1 | Z1<br>.2 | Z2<br>.1 | Z2<br>.2 | Z3<br>.1 | Z3<br>.2 | Z4<br>.1 | Z4<br>.2 | Y1<br>.1 | Y1<br>.2 | Y2<br>.1 | Y2<br>.2 |
|-----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 125 | 5        | 4        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 3        | 3        | 2        | 3        | 2        | 5        | 5        | 3        | 4        | 4        | 5        | 4        | 5        | 2        | 3        | 3        | 3        |
| 126 | 5        | 4        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 5        | 3        | 5        | 4        | 5        | 4        | 4        | 5        | 4        | 4        | 4        | 4        | 5        | 5        | 5        | 4        | 3        | 4        | 4        |
| 127 | 3        | 3        | 4        | 3        | 5        | 4        | 4        | 5        | 4        | 4        | 2        | 3        | 2        | 3        | 4        | 3        | 4        | 5        | 4        | 4        | 4        | 4        | 4        | 4        | 2        | 2        | 2        | 2        |
| 128 | 4        | 4        | 5        | 4        | 3        | 3        | 3        | 4        | 4        | 5        | 2        | 2        | 1        | 2        | 2        | 2        | 5        | 4        | 4        | 3        | 3        | 4        | 3        | 4        | 5        | 5        | 5        | 5        |
| 129 | 4        | 4        | 3        | 3        | 4        | 5        | 4        | 3        | 5        | 4        | 4        | 4        | 3        | 3        | 3        | 4        | 2        | 2        | 1        | 2        | 2        | 1        | 3        | 2        | 4        | 5        | 5        | 4        |
| 130 | 3        | 3        | 4        | 4        | 5        | 5        | 5        | 4        | 5        | 3        | 4        | 3        | 4        | 5        | 5        | 4        | 4        | 3        | 4        | 3        | 3        | 3        | 3        | 3        | 3        | 5        | 4        | 5        |
| 131 | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 5        | 3        | 2        | 4        | 3        | 3        | 4        | 2        | 2        | 3        | 4        | 3        | 3        | 2        | 3        | 5        | 5        | 4        | 5        |
| 132 | 4        | 4        | 3        | 4        | 4        | 3        | 5        | 4        | 3        | 4        | 5        | 4        | 4        | 3        | 4        | 4        | 5        | 4        | 4        | 4        | 3        | 4        | 4        | 5        | 4        | 3        | 4        | 4        |
| 133 | 4        | 5        | 5        | 5        | 5        | 4        | 5        | 5        | 4        | 5        | 4        | 3        | 4        | 3        | 4        | 4        | 4        | 5        | 5        | 5        | 4        | 5        | 4        | 5        | 3        | 3        | 3        | 3        |
| 134 | 4        | 4        | 4        | 4        | 4        | 3        | 5        | 4        | 3        | 4        | 4        | 4        | 4        | 4        | 3        | 3        | 4        | 4        | 2        | 3        | 3        | 4        | 3        | 3        | 5        | 5        | 5        | 4        |
| 135 | 5        | 4        | 4        | 5        | 4        | 5        | 4        | 4        | 4        | 5        | 3        | 4        | 4        | 2        | 3        | 3        | 4        | 3        | 3        | 4        | 5        | 3        | 5        | 3        | 4        | 4        | 4        | 5        |
| 136 | 4        | 3        | 3        | 4        | 4        | 5        | 4        | 3        | 5        | 4        | 3        | 1        | 3        | 3        | 2        | 2        | 5        | 3        | 3        | 4        | 4        | 5        | 5        | 4        | 5        | 4        | 5        | 3        |
| 137 | 3        | 4        | 3        | 4        | 3        | 3        | 3        | 4        | 3        | 2        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 5        | 5        | 5        | 4        | 5        | 3        | 5        | 4        | 5        |
| 138 | 4        | 4        | 4        | 5        | 4        | 4        | 5        | 5        | 5        | 4        | 3        | 4        | 3        | 3        | 3        | 2        | 4        | 5        | 4        | 3        | 5        | 3        | 4        | 5        | 3        | 4        | 3        | 3        |
| 139 | 3        | 3        | 3        | 4        | 5        | 5        | 4        | 4        | 4        | 4        | 4        | 3        | 2        | 2        | 2        | 2        | 4        | 4        | 4        | 4        | 4        | 4        | 4        | 3        | 4        | 5        | 5        | 4        |
| 140 | 2        | 1        | 1        | 2        | 1        | 2        | 3        | 3        | 3        | 2        | 5        | 4        | 5        | 5        | 5        | 5        | 2        | 2        | 2        | 3        | 2        | 3        | 2        | 2        | 5        | 5        | 5        | 4        |
| 141 | 5        | 3        | 3        | 4        | 4        | 4        | 5        | 4        | 5        | 4        | 4        | 5        | 4        | 5        | 5        | 5        | 2        | 3        | 2        | 2        | 4        | 4        | 2        | 3        | 5        | 5        | 5        | 5        |
| 142 | 5        | 5        | 5        | 4        | 5        | 5        | 4        | 5        | 5        | 5        | 2        | 2        | 3        | 2        | 2        | 3        | 3        | 3        | 2        | 2        | 3        | 3        | 4        | 3        | 4        | 4        | 4        | 4        |
| 143 | 4        | 3        | 5        | 4        | 5        | 5        | 4        | 3        | 3        | 4        | 1        | 2        | 2        | 2        | 2        | 3        | 1        | 1        | 2        | 2        | 2        | 3        | 2        | 3        | 5        | 4        | 5        | 5        |
| 144 | 3        | 4        | 4        | 3        | 5        | 4        | 5        | 3        | 4        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 3        | 4        | 4        | 3        | 4        | 4        | 3        | 5        | 5        | 4        | 4        | 4        |
| 145 | 4        | 4        | 3        | 5        | 5        | 5        | 4        | 5        | 4        | 4        | 4        | 4        | 3        | 3        | 3        | 3        | 4        | 5        | 3        | 5        | 5        | 5        | 4        | 3        | 5        | 5        | 5        | 5        |

| NO  | X1<br>.1 | X1<br>.2 | X2<br>.1 | X2<br>.2 | X3<br>.1 | X3<br>.2 | X4<br>.1 | X4<br>.2 | X5<br>.1 | X5<br>.2 | M<br>1.1 | M<br>1.2 | M<br>2.1 | M<br>2.2 | M<br>3.1 | M<br>3.2 | Z1<br>.1 | Z1<br>.2 | Z2<br>.1 | Z2<br>.2 | Z3<br>.1 | Z3<br>.2 | Z4<br>.1 | Z4<br>.2 | Y1<br>.1 | Y1<br>.2 | Y2<br>.1 | Y2<br>.2 |
|-----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 146 | 5        | 4        | 4        | 4        | 5        | 5        | 4        | 3        | 4        | 5        | 3        | 3        | 3        | 3        | 4        | 3        | 4        | 3        | 5        | 4        | 4        | 4        | 3        | 4        | 3        | 3        | 4        | 3        |
| 147 | 2        | 4        | 4        | 4        | 2        | 3        | 4        | 3        | 3        | 2        | 4        | 3        | 5        | 5        | 4        | 5        | 2        | 1        | 1        | 2        | 2        | 1        | 2        | 3        | 3        | 4        | 3        | 3        |
| 148 | 3        | 2        | 3        | 3        | 3        | 3        | 3        | 2        | 3        | 4        | 4        | 3        | 2        | 3        | 3        | 2        | 5        | 4        | 5        | 5        | 4        | 5        | 5        | 5        | 5        | 5        | 5        | 5        |
| 149 | 4        | 4        | 4        | 4        | 4        | 3        | 3        | 5        | 4        | 4        | 4        | 3        | 3        | 3        | 3        | 4        | 5        | 3        | 3        | 5        | 5        | 4        | 4        | 3        | 4        | 4        | 5        | 4        |
| 150 | 3        | 5        | 4        | 4        | 5        | 4        | 5        | 4        | 3        | 4        | 4        | 4        | 5        | 3        | 4        | 3        | 2        | 2        | 2        | 2        | 1        | 2        | 1        | 2        | 2        | 2        | 2        | 3        |
| 151 | 3        | 5        | 5        | 3        | 4        | 4        | 4        | 4        | 5        | 4        | 4        | 3        | 4        | 4        | 4        | 5        | 2        | 2        | 3        | 3        | 3        | 1        | 3        | 2        | 5        | 5        | 5        | 5        |
| 152 | 4        | 4        | 4        | 4        | 4        | 3        | 4        | 4        | 5        | 3        | 3        | 4        | 4        | 4        | 3        | 5        | 4        | 4        | 4        | 3        | 3        | 4        | 3        | 4        | 4        | 5        | 4        | 4        |
| 153 | 5        | 5        | 5        | 5        | 4        | 5        | 5        | 4        | 5        | 5        | 5        | 4        | 4        | 4        | 4        | 4        | 3        | 3        | 4        | 4        | 3        | 5        | 3        | 5        | 4        | 3        | 4        | 2        |
| 154 | 5        | 5        | 4        | 5        | 5        | 5        | 5        | 5        | 4        | 5        | 4        | 4        | 4        | 3        | 2        | 3        | 3        | 3        | 4        | 3        | 2        | 2        | 3        | 3        | 4        | 5        | 5        | 4        |
| 155 | 3        | 1        | 2        | 2        | 3        | 2        | 1        | 2        | 3        | 1        | 3        | 4        | 3        | 4        | 4        | 3        | 3        | 2        | 3        | 4        | 3        | 2        | 3        | 3        | 5        | 5        | 3        | 4        |
| 156 | 4        | 3        | 3        | 3        | 3        | 2        | 4        | 4        | 2        | 4        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 5        | 4        | 3        | 3        | 4        | 5        | 4        | 2        | 2        | 2        | 3        |
| 157 | 3        | 4        | 3        | 3        | 5        | 4        | 4        | 4        | 5        | 4        | 3        | 5        | 4        | 4        | 3        | 4        | 5        | 5        | 4        | 4        | 4        | 5        | 3        | 5        | 5        | 5        | 5        | 4        |
| 158 | 1        | 2        | 2        | 2        | 2        | 3        | 2        | 3        | 3        | 1        | 4        | 4        | 4        | 5        | 3        | 5        | 5        | 4        | 4        | 4        | 4        | 4        | 4        | 5        | 5        | 4        | 3        | 5        |
| 159 | 5        | 5        | 4        | 5        | 5        | 5        | 5        | 5        | 4        | 5        | 4        | 5        | 4        | 4        | 3        | 5        | 2        | 4        | 3        | 2        | 3        | 3        | 4        | 3        | 5        | 5        | 5        | 5        |
| 160 | 4        | 4        | 4        | 4        | 4        | 4        | 3        | 4        | 4        | 3        | 4        | 3        | 3        | 3        | 3        | 3        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 4        | 5        | 5        | 5        |
| 161 | 2        | 2        | 2        | 2        | 3        | 2        | 2        | 1        | 2        | 1        | 3        | 5        | 4        | 5        | 5        | 4        | 4        | 4        | 3        | 3        | 4        | 4        | 5        | 5        | 3        | 2        | 4        | 3        |
| 162 | 2        | 2        | 3        | 3        | 2        | 2        | 2        | 3        | 3        | 4        | 4        | 5        | 5        | 5        | 5        | 4        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 4        | 4        | 4        | 4        |
| 163 | 3        | 3        | 2        | 3        | 3        | 1        | 3        | 2        | 2        | 3        | 5        | 4        | 5        | 4        | 5        | 5        | 4        | 3        | 3        | 3        | 3        | 3        | 4        | 4        | 5        | 4        | 4        | 5        |
| 164 | 3        | 4        | 5        | 4        | 4        | 5        | 4        | 4        | 3        | 4        | 5        | 5        | 5        | 4        | 3        | 4        | 3        | 4        | 4        | 4        | 4        | 5        | 4        | 4        | 4        | 4        | 5        | 4        |
| 165 | 4        | 4        | 3        | 5        | 4        | 3        | 4        | 3        | 4        | 5        | 2        | 3        | 2        | 3        | 3        | 4        | 2        | 3        | 1        | 1        | 1        | 1        | 1        | 3        | 4        | 3        | 4        | 4        |
| 166 | 3        | 4        | 4        | 3        | 3        | 2        | 4        | 4        | 2        | 4        | 2        | 2        | 2        | 2        | 3        | 1        | 4        | 4        | 4        | 5        | 4        | 4        | 4        | 4        | 4        | 4        | 4        | 4        |

| NO  | X1<br>.1 | X1<br>.2 | X2<br>.1 | X2<br>.2 | X3<br>.1 | X3<br>.2 | X4<br>.1 | X4<br>.2 | X5<br>.1 | X5<br>.2 | M<br>1.1 | M<br>1.2 | M<br>2.1 | M<br>2.2 | M<br>3.1 | M<br>3.2 | Z1<br>.1 | Z1<br>.2 | Z2<br>.1 | Z2<br>.2 | Z3<br>.1 | Z3<br>.2 | Z4<br>.1 | Z4<br>.2 | Y1<br>.1 | Y1<br>.2 | Y2<br>.1 | Y2<br>.2 |
|-----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 167 | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 5        | 5        | 4        | 5        | 4        | 4        | 4        | 3        | 4        | 4        | 4        | 2        | 4        | 2        | 2        | 4        | 3        | 3        | 3        | 4        | 3        |
| 168 | 5        | 5        | 5        | 5        | 5        | 4        | 5        | 5        | 5        | 5        | 3        | 5        | 5        | 5        | 5        | 3        | 4        | 3        | 3        | 3        | 4        | 4        | 2        | 3        | 2        | 3        | 1        | 3        |
| 169 | 5        | 4        | 4        | 4        | 3        | 4        | 3        | 3        | 5        | 4        | 2        | 3        | 3        | 3        | 3        | 2        | 5        | 3        | 4        | 5        | 5        | 4        | 3        | 3        | 1        | 1        | 1        | 2        |
| 170 | 3        | 2        | 3        | 3        | 3        | 2        | 2        | 4        | 3        | 3        | 3        | 2        | 2        | 2        | 1        | 2        | 4        | 3        | 4        | 4        | 5        | 3        | 3        | 4        | 5        | 5        | 5        | 5        |
| 171 | 4        | 4        | 4        | 3        | 5        | 5        | 4        | 4        | 4        | 3        | 3        | 1        | 3        | 1        | 2        | 2        | 3        | 2        | 2        | 3        | 1        | 1        | 1        | 2        | 5        | 4        | 5        | 5        |
| 172 | 5        | 5        | 5        | 4        | 3        | 3        | 5        | 4        | 5        | 4        | 3        | 4        | 3        | 3        | 3        | 4        | 3        | 3        | 3        | 4        | 3        | 4        | 4        | 5        | 4        | 4        | 2        | 4        |
| 173 | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 5        | 4        | 5        | 3        | 4        | 4        | 3        | 5        | 3        | 4        | 5        | 4        | 5        | 4        | 4        | 4        | 4        | 5        | 5        | 5        | 5        |
| 174 | 3        | 2        | 3        | 2        | 2        | 4        | 2        | 3        | 3        | 3        | 5        | 4        | 5        | 4        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 5        | 5        | 5        | 4        | 4        | 4        | 5        |
| 175 | 3        | 3        | 4        | 3        | 3        | 3        | 2        | 2        | 4        | 3        | 4        | 4        | 4        | 4        | 4        | 4        | 3        | 3        | 3        | 4        | 3        | 3        | 4        | 4        | 3        | 2        | 3        | 4        |
| 176 | 4        | 2        | 2        | 4        | 3        | 2        | 4        | 3        | 3        | 2        | 4        | 2        | 4        | 3        | 2        | 2        | 4        | 4        | 3        | 4        | 4        | 4        | 4        | 4        | 4        | 5        | 4        | 5        |
| 177 | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 1        | 2        | 2        | 1        | 3        | 2        | 5        | 5        | 5        | 5        | 5        | 4        | 4        | 5        | 3        | 3        | 2        | 3        |
| 178 | 5        | 4        | 4        | 5        | 5        | 4        | 5        | 4        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 5        | 5        | 4        | 5        | 5        | 5        | 4        | 4        | 3        | 3        | 3        | 4        |
| 179 | 4        | 3        | 4        | 3        | 3        | 4        | 3        | 4        | 4        | 3        | 5        | 5        | 5        | 5        | 4        | 4        | 3        | 4        | 4        | 4        | 4        | 4        | 4        | 5        | 2        | 2        | 3        | 4        |
| 180 | 5        | 4        | 4        | 4        | 3        | 3        | 3        | 3        | 4        | 4        | 3        | 3        | 3        | 3        | 3        | 2        | 5        | 4        | 5        | 5        | 5        | 4        | 5        | 5        | 2        | 3        | 3        | 3        |
| 181 | 5        | 4        | 5        | 5        | 5        | 5        | 5        | 4        | 5        | 5        | 5        | 5        | 3        | 4        | 5        | 5        | 3        | 2        | 2        | 3        | 2        | 3        | 3        | 3        | 3        | 3        | 5        | 4        |
| 182 | 5        | 5        | 5        | 5        | 5        | 4        | 5        | 5        | 5        | 4        | 5        | 5        | 5        | 4        | 4        | 5        | 4        | 4        | 4        | 4        | 5        | 5        | 4        | 4        | 3        | 5        | 4        | 5        |
| 183 | 3        | 2        | 3        | 2        | 4        | 2        | 3        | 4        | 3        | 4        | 5        | 5        | 5        | 5        | 5        | 4        | 4        | 3        | 4        | 4        | 4        | 4        | 5        | 4        | 4        | 4        | 5        | 4        |
| 184 | 3        | 4        | 5        | 4        | 4        | 4        | 4        | 3        | 3        | 4        | 3        | 2        | 3        | 1        | 3        | 3        | 3        | 5        | 4        | 4        | 4        | 5        | 4        | 5        | 2        | 2        | 2        | 1        |
| 185 | 5        | 5        | 5        | 4        | 5        | 5        | 5        | 5        | 5        | 4        | 3        | 2        | 1        | 3        | 2        | 2        | 3        | 3        | 3        | 3        | 4        | 3        | 3        | 3        | 5        | 5        | 5        | 5        |
| 186 | 3        | 3        | 4        | 3        | 2        | 3        | 3        | 2        | 2        | 2        | 3        | 4        | 4        | 3        | 4        | 3        | 3        | 5        | 4        | 5        | 4        | 3        | 4        | 3        | 3        | 3        | 4        | 5        |
| 187 | 3        | 2        | 1        | 2        | 3        | 3        | 2        | 2        | 3        | 1        | 3        | 4        | 3        | 4        | 4        | 5        | 3        | 4        | 2        | 4        | 3        | 3        | 4        | 2        | 5        | 5        | 5        | 5        |

| NO  | X1<br>.1 | X1<br>.2 | X2<br>.1 | X2<br>.2 | X3<br>.1 | X3<br>.2 | X4<br>.1 | X4<br>.2 | X5<br>.1 | X5<br>.2 | M<br>1.1 | M<br>1.2 | M<br>2.1 | M<br>2.2 | M<br>3.1 | M<br>3.2 | Z1<br>.1 | Z1<br>.2 | Z2<br>.1 | Z2<br>.2 | Z3<br>.1 | Z3<br>.2 | Z4<br>.1 | Z4<br>.2 | Y1<br>.1 | Y1<br>.2 | Y2<br>.1 | Y2<br>.2 |
|-----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 188 | 4        | 5        | 5        | 4        | 5        | 5        | 4        | 5        | 5        | 5        | 4        | 5        | 3        | 3        | 3        | 5        | 3        | 3        | 3        | 2        | 3        | 3        | 2        | 4        | 4        | 3        | 4        | 5        |
| 189 | 5        | 5        | 4        | 4        | 5        | 5        | 5        | 4        | 5        | 4        | 3        | 2        | 3        | 3        | 3        | 3        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 5        | 5        | 4        | 5        | 5        |
| 190 | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 5        | 5        | 5        | 5        | 4        | 4        | 3        | 4        | 4        | 5        | 3        | 4        | 4        | 5        | 5        | 4        | 4        | 5        | 5        | 4        | 5        |
| 191 | 2        | 3        | 4        | 3        | 3        | 3        | 2        | 3        | 3        | 4        | 4        | 5        | 4        | 3        | 4        | 4        | 5        | 3        | 4        | 3        | 4        | 3        | 4        | 4        | 4        | 5        | 5        | 5        |
| 192 | 5        | 5        | 4        | 4        | 5        | 5        | 5        | 5        | 5        | 4        | 2        | 2        | 4        | 3        | 3        | 3        | 3        | 3        | 3        | 5        | 4        | 4        | 3        | 4        | 4        | 5        | 5        | 4        |
| 193 | 4        | 4        | 4        | 4        | 5        | 4        | 4        | 3        | 3        | 5        | 5        | 5        | 3        | 4        | 4        | 5        | 3        | 3        | 4        | 4        | 3        | 3        | 3        | 2        | 4        | 5        | 3        | 3        |
| 194 | 4        | 3        | 5        | 4        | 4        | 5        | 4        | 4        | 3        | 5        | 3        | 2        | 2        | 3        | 2        | 3        | 3        | 5        | 4        | 5        | 5        | 5        | 4        | 3        | 5        | 5        | 5        | 4        |
| 195 | 5        | 4        | 4        | 4        | 3        | 5        | 4        | 4        | 3        | 5        | 5        | 5        | 4        | 4        | 4        | 4        | 2        | 4        | 3        | 3        | 3        | 2        | 3        | 3        | 4        | 2        | 4        | 3        |
| 196 | 2        | 5        | 4        | 3        | 5        | 3        | 3        | 4        | 4        | 4        | 2        | 2        | 1        | 3        | 2        | 2        | 5        | 5        | 5        | 5        | 4        | 4        | 4        | 5        | 3        | 4        | 4        | 4        |
| 197 | 4        | 4        | 4        | 3        | 3        | 5        | 4        | 4        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 3        | 2        | 2        | 3        | 1        | 2        | 2        | 3        | 5        | 4        | 4        | 4        |
| 198 | 4        | 3        | 3        | 4        | 4        | 3        | 4        | 4        | 3        | 4        | 4        | 4        | 3        | 4        | 5        | 4        | 4        | 3        | 4        | 3        | 3        | 3        | 3        | 4        | 5        | 5        | 4        | 5        |
| 199 | 4        | 5        | 4        | 4        | 4        | 3        | 3        | 4        | 5        | 3        | 5        | 5        | 4        | 5        | 4        | 5        | 3        | 3        | 2        | 2        | 2        | 2        | 3        | 3        | 4        | 4        | 4        | 5        |
| 200 | 5        | 4        | 5        | 4        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 5        | 5        | 4        | 5        | 5        | 2        | 1        | 1        | 3        | 2        | 1        | 2        | 1        | 4        | 5        | 5        | 4        |
| 201 | 5        | 4        | 3        | 4        | 4        | 4        | 4        | 4        | 5        | 4        | 4        | 3        | 3        | 4        | 4        | 4        | 5        | 5        | 5        | 4        | 4        | 5        | 5        | 5        | 4        | 4        | 3        | 5        |
| 202 | 3        | 4        | 3        | 3        | 2        | 3        | 3        | 3        | 2        | 4        | 3        | 3        | 3        | 3        | 2        | 4        | 3        | 3        | 3        | 3        | 3        | 3        | 3        | 3        | 4        | 4        | 5        | 4        |
| 203 | 5        | 5        | 4        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 4        | 5        | 3        | 5        | 3        | 4        | 4        | 4        | 4        | 4        | 4        | 3        | 4        | 3        | 4        | 3        | 3        | 3        |
| 204 | 4        | 3        | 3        | 3        | 3        | 2        | 3        | 4        | 4        | 3        | 5        | 4        | 5        | 3        | 3        | 4        | 4        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 5        | 5        | 5        | 5        |
| 205 | 4        | 5        | 5        | 4        | 3        | 4        | 4        | 4        | 3        | 3        | 2        | 3        | 2        | 4        | 4        | 3        | 4        | 5        | 5        | 4        | 5        | 3        | 4        | 3        | 1        | 1        | 2        | 2        |
| 206 | 3        | 1        | 2        | 3        | 2        | 3        | 2        | 3        | 2        | 3        | 4        | 4        | 4        | 5        | 5        | 4        | 5        | 4        | 5        | 5        | 5        | 4        | 5        | 4        | 5        | 5        | 4        | 5        |
| 207 | 2        | 3        | 2        | 4        | 2        | 2        | 2        | 2        | 3        | 3        | 5        | 5        | 4        | 5        | 5        | 5        | 3        | 5        | 3        | 3        | 4        | 5        | 4        | 4        | 5        | 3        | 5        | 3        |
| 208 | 5        | 5        | 4        | 4        | 5        | 4        | 4        | 5        | 5        | 5        | 5        | 4        | 5        | 4        | 5        | 5        | 4        | 5        | 4        | 3        | 5        | 4        | 4        | 4        | 4        | 3        | 4        | 5        |

| NO  | X1<br>.1 | X1<br>.2 | X2<br>.1 | X2<br>.2 | X3<br>.1 | X3<br>.2 | X4<br>.1 | X4<br>.2 | X5<br>.1 | X5<br>.2 | M<br>1.1 | M<br>1.2 | M<br>2.1 | M<br>2.2 | M<br>3.1 | M<br>3.2 | Z1<br>.1 | Z1<br>.2 | Z2<br>.1 | Z2<br>.2 | Z3<br>.1 | Z3<br>.2 | Z4<br>.1 | Z4<br>.2 | Y1<br>.1 | Y1<br>.2 | Y2<br>.1 | Y2<br>.2 |
|-----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 209 | 2        | 3        | 4        | 2        | 3        | 3        | 4        | 3        | 3        | 3        | 4        | 3        | 2        | 3        | 2        | 3        | 5        | 3        | 4        | 3        | 4        | 5        | 4        | 5        | 4        | 3        | 4        | 4        |
| 210 | 5        | 5        | 4        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 3        | 3        | 2        | 3        | 3        | 3        | 5        | 4        | 5        | 5        | 5        | 5        | 4        | 5        | 5        | 5        | 5        | 5        |
| 211 | 5        | 5        | 5        | 4        | 4        | 5        | 4        | 4        | 4        | 4        | 4        | 5        | 5        | 5        | 5        | 4        | 5        | 5        | 5        | 4        | 4        | 4        | 5        | 5        | 2        | 4        | 3        | 2        |
| 212 | 4        | 3        | 4        | 5        | 3        | 4        | 3        | 5        | 3        | 4        | 3        | 4        | 3        | 3        | 5        | 4        | 4        | 2        | 3        | 4        | 4        | 4        | 3        | 3        | 3        | 4        | 3        | 4        |
| 213 | 4        | 5        | 4        | 4        | 4        | 5        | 4        | 3        | 5        | 5        | 4        | 5        | 5        | 5        | 4        | 4        | 3        | 2        | 4        | 3        | 4        | 2        | 3        | 3        | 1        | 3        | 1        | 3        |
| 214 | 4        | 5        | 5        | 5        | 5        | 4        | 5        | 5        | 5        | 5        | 2        | 4        | 3        | 3        | 3        | 3        | 5        | 5        | 5        | 4        | 4        | 5        | 4        | 5        | 4        | 4        | 4        | 3        |
| 215 | 3        | 3        | 4        | 3        | 4        | 3        | 4        | 5        | 5        | 5        | 1        | 2        | 1        | 1        | 2        | 2        | 5        | 5        | 5        | 5        | 5        | 4        | 5        | 5        | 5        | 5        | 5        | 5        |
| 216 | 5        | 4        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 5        | 5        | 4        | 4        | 4        | 4        | 5        | 3        | 4        | 5        | 4        | 4        | 4        | 5        | 4        | 4        | 4        | 3        | 5        |
| 217 | 1        | 2        | 3        | 2        | 1        | 3        | 1        | 2        | 1        | 1        | 3        | 5        | 4        | 4        | 4        | 4        | 5        | 4        | 4        | 5        | 5        | 5        | 4        | 5        | 3        | 4        | 3        | 4        |
| 218 | 4        | 5        | 4        | 4        | 4        | 5        | 5        | 5        | 5        | 5        | 4        | 4        | 4        | 4        | 4        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        |
| 219 | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 4        | 4        | 3        | 4        | 4        | 2        | 2        | 3        | 2        | 1        | 3        | 3        | 2        | 4        | 3        | 3        | 3        |
| 220 | 5        | 5        | 4        | 4        | 5        | 5        | 5        | 4        | 5        | 4        | 3        | 3        | 2        | 2        | 3        | 3        | 4        | 5        | 5        | 4        | 5        | 4        | 5        | 5        | 5        | 4        | 4        | 5        |
| 221 | 2        | 1        | 2        | 1        | 1        | 3        | 2        | 2        | 2        | 2        | 5        | 5        | 4        | 4        | 4        | 5        | 3        | 3        | 3        | 4        | 5        | 4        | 3        | 3        | 4        | 4        | 4        | 4        |
| 222 | 5        | 5        | 3        | 4        | 3        | 4        | 5        | 4        | 3        | 4        | 3        | 4        | 3        | 3        | 2        | 3        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 2        | 2        | 3        | 2        |
| 223 | 5        | 4        | 5        | 5        | 5        | 4        | 4        | 4        | 5        | 4        | 2        | 2        | 3        | 3        | 3        | 2        | 5        | 4        | 4        | 4        | 4        | 5        | 4        | 5        | 5        | 5        | 5        | 4        |
| 224 | 4        | 4        | 3        | 3        | 4        | 3        | 3        | 3        | 3        | 4        | 5        | 4        | 5        | 4        | 5        | 4        | 5        | 4        | 4        | 5        | 4        | 5        | 4        | 5        | 5        | 5        | 4        | 5        |
| 225 | 4        | 4        | 3        | 3        | 4        | 4        | 5        | 4        | 4        | 3        | 3        | 2        | 4        | 3        | 4        | 2        | 5        | 4        | 3        | 3        | 3        | 3        | 3        | 4        | 5        | 5        | 5        | 5        |
| 226 | 3        | 4        | 4        | 3        | 4        | 4        | 4        | 4        | 4        | 4        | 3        | 4        | 4        | 3        | 3        | 2        | 2        | 3        | 3        | 2        | 4        | 3        | 3        | 2        | 5        | 4        | 4        | 4        |
| 227 | 5        | 4        | 4        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 3        | 2        | 2        | 2        | 2        | 3        | 5        | 4        | 5        | 4        | 4        | 5        | 5        | 5        | 5        | 5        | 4        | 5        |
| 228 | 4        | 4        | 2        | 2        | 3        | 3        | 3        | 3        | 3        | 2        | 4        | 4        | 5        | 4        | 4        | 4        | 5        | 5        | 4        | 4        | 4        | 5        | 5        | 5        | 3        | 2        | 4        | 2        |
| 229 | 2        | 2        | 2        | 2        | 2        | 3        | 1        | 2        | 2        | 1        | 5        | 5        | 5        | 5        | 4        | 4        | 2        | 4        | 2        | 3        | 4        | 3        | 3        | 3        | 5        | 5        | 5        | 4        |

| NO  | X1<br>.1 | X1<br>.2 | X2<br>.1 | X2<br>.2 | X3<br>.1 | X3<br>.2 | X4<br>.1 | X4<br>.2 | X5<br>.1 | X5<br>.2 | M<br>1.1 | M<br>1.2 | M<br>2.1 | M<br>2.2 | M<br>3.1 | M<br>3.2 | Z1<br>.1 | Z1<br>.2 | Z2<br>.1 | Z2<br>.2 | Z3<br>.1 | Z3<br>.2 | Z4<br>.1 | Z4<br>.2 | Y1<br>.1 | Y1<br>.2 | Y2<br>.1 | Y2<br>.2 |
|-----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 230 | 5        | 4        | 5        | 5        | 4        | 5        | 5        | 5        | 5        | 5        | 3        | 5        | 4        | 5        | 4        | 3        | 5        | 4        | 5        | 4        | 5        | 5        | 5        | 4        | 2        | 2        | 3        | 2        |
| 231 | 3        | 2        | 2        | 3        | 2        | 3        | 2        | 3        | 3        | 2        | 5        | 5        | 4        | 5        | 5        | 5        | 3        | 5        | 5        | 4        | 4        | 3        | 3        | 5        | 5        | 4        | 4        | 4        |
| 232 | 4        | 5        | 5        | 5        | 4        | 4        | 3        | 3        | 4        | 3        | 3        | 5        | 3        | 4        | 3        | 5        | 2        | 2        | 2        | 2        | 2        | 3        | 3        | 2        | 5        | 5        | 4        | 4        |
| 233 | 4        | 4        | 4        | 5        | 3        | 4        | 3        | 4        | 5        | 4        | 4        | 4        | 4        | 4        | 5        | 4        | 4        | 5        | 4        | 3        | 5        | 5        | 3        | 3        | 5        | 5        | 4        | 4        |
| 234 | 4        | 5        | 5        | 5        | 4        | 4        | 4        | 5        | 5        | 5        | 4        | 4        | 3        | 3        | 2        | 2        | 3        | 4        | 2        | 3        | 3        | 4        | 4        | 2        | 2        | 3        | 2        | 3        |
| 235 | 4        | 3        | 5        | 5        | 5        | 4        | 4        | 4        | 3        | 4        | 3        | 4        | 3        | 3        | 2        | 4        | 4        | 5        | 5        | 4        | 4        | 5        | 5        | 4        | 5        | 5        | 4        | 4        |
| 236 | 2        | 3        | 2        | 3        | 2        | 2        | 4        | 3        | 3        | 3        | 3        | 2        | 3        | 4        | 3        | 3        | 5        | 3        | 5        | 5        | 4        | 5        | 5        | 4        | 2        | 4        | 2        | 2        |
| 237 | 5        | 5        | 4        | 4        | 4        | 5        | 5        | 5        | 4        | 5        | 4        | 4        | 4        | 4        | 4        | 4        | 3        | 3        | 3        | 2        | 4        | 4        | 3        | 3        | 3        | 2        | 4        | 3        |
| 238 | 5        | 4        | 3        | 3        | 4        | 3        | 4        | 3        | 5        | 4        | 1        | 2        | 2        | 2        | 2        | 2        | 4        | 4        | 5        | 5        | 5        | 5        | 5        | 5        | 2        | 3        | 4        | 2        |
| 239 | 5        | 5        | 5        | 5        | 5        | 4        | 5        | 4        | 4        | 5        | 4        | 3        | 2        | 2        | 4        | 4        | 5        | 4        | 3        | 5        | 4        | 4        | 4        | 4        | 5        | 5        | 5        | 5        |
| 240 | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 2        | 2        | 2        | 2        | 3        | 3        | 5        | 5        | 4        | 5        | 5        | 4        | 4        | 4        | 4        | 3        | 4        | 4        |
| 241 | 4        | 4        | 4        | 4        | 3        | 5        | 3        | 4        | 5        | 3        | 4        | 3        | 5        | 4        | 4        | 3        | 5        | 4        | 5        | 5        | 4        | 5        | 5        | 4        | 4        | 4        | 4        | 5        |
| 242 | 5        | 5        | 4        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 4        | 3        | 4        | 3        | 4        | 3        | 4        | 5        | 5        | 5        | 4        |
| 243 | 4        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        |
| 244 | 3        | 2        | 1        | 2        | 3        | 1        | 1        | 3        | 2        | 1        | 5        | 5        | 3        | 5        | 4        | 3        | 2        | 1        | 2        | 2        | 2        | 2        | 1        | 2        | 4        | 4        | 4        | 4        |
| 245 | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 2        | 3        | 3        | 3        | 3        | 2        | 3        | 3        | 2        | 3        | 3        | 3        | 2        | 4        | 5        | 5        | 5        | 3        |
| 246 | 5        | 5        | 4        | 4        | 5        | 5        | 5        | 5        | 4        | 5        | 3        | 3        | 4        | 4        | 3        | 4        | 5        | 4        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 4        | 5        | 5        |
| 247 | 2        | 2        | 2        | 3        | 4        | 3        | 2        | 2        | 3        | 3        | 4        | 5        | 5        | 4        | 3        | 3        | 5        | 5        | 5        | 5        | 5        | 4        | 4        | 4        | 1        | 2        | 3        | 1        |
| 248 | 2        | 2        | 3        | 2        | 3        | 3        | 4        | 4        | 3        | 3        | 5        | 5        | 5        | 5        | 5        | 5        | 3        | 2        | 3        | 2        | 3        | 4        | 4        | 4        | 5        | 4        | 4        | 4        |
| 249 | 4        | 4        | 4        | 4        | 4        | 3        | 5        | 5        | 5        | 5        | 4        | 5        | 4        | 5        | 5        | 5        | 3        | 2        | 3        | 2        | 2        | 4        | 3        | 4        | 4        | 4        | 4        | 5        |
| 250 | 4        | 4        | 3        | 3        | 4        | 3        | 4        | 5        | 4        | 4        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 3        | 4        | 5        | 3        | 5        | 4        | 3        | 3        | 4        | 5        |

| NO  | X1<br>.1 | X1<br>.2 | X2<br>.1 | X2<br>.2 | X3<br>.1 | X3<br>.2 | X4<br>.1 | X4<br>.2 | X5<br>.1 | X5<br>.2 | M<br>1.1 | M<br>1.2 | M<br>2.1 | M<br>2.2 | M<br>3.1 | M<br>3.2 | Z1<br>.1 | Z1<br>.2 | Z2<br>.1 | Z2<br>.2 | Z3<br>.1 | Z3<br>.2 | Z4<br>.1 | Z4<br>.2 | Y1<br>.1 | Y1<br>.2 | Y2<br>.1 | Y2<br>.2 |
|-----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 251 | 5        | 4        | 5        | 4        | 5        | 4        | 4        | 5        | 3        | 5        | 3        | 4        | 3        | 4        | 4        | 3        | 1        | 2        | 2        | 1        | 1        | 2        | 2        | 2        | 3        | 4        | 5        | 4        |
| 252 | 4        | 4        | 4        | 4        | 4        | 3        | 4        | 5        | 3        | 3        | 2        | 2        | 2        | 2        | 2        | 2        | 3        | 2        | 1        | 1        | 2        | 2        | 2        | 1        | 5        | 5        | 5        | 4        |
| 253 | 4        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 4        | 3        | 5        | 4        | 4        | 4        | 4        | 5        | 4        | 4        | 4        | 5        | 4        | 4        | 5        | 5        | 5        | 4        | 5        |
| 254 | 3        | 3        | 3        | 3        | 3        | 2        | 2        | 3        | 3        | 3        | 3        | 4        | 2        | 3        | 3        | 3        | 2        | 3        | 3        | 2        | 2        | 4        | 3        | 3        | 3        | 3        | 4        | 4        |
| 255 | 3        | 3        | 4        | 4        | 2        | 2        | 3        | 3        | 4        | 4        | 4        | 4        | 4        | 5        | 5        | 5        | 4        | 4        | 4        | 3        | 3        | 5        | 4        | 3        | 1        | 3        | 3        | 2        |
| 256 | 3        | 2        | 3        | 2        | 2        | 3        | 4        | 2        | 3        | 3        | 4        | 4        | 4        | 4        | 5        | 4        | 4        | 3        | 5        | 4        | 5        | 4        | 4        | 4        | 4        | 3        | 4        | 4        |
| 257 | 5        | 5        | 4        | 5        | 4        | 5        | 4        | 5        | 5        | 5        | 4        | 4        | 4        | 4        | 4        | 4        | 5        | 4        | 5        | 5        | 5        | 4        | 4        | 5        | 3        | 4        | 3        | 5        |
| 258 | 5        | 4        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 5        | 3        | 2        | 3        | 3        | 4        | 3        | 4        | 3        | 4        | 5        | 5        | 3        | 4        | 3        | 4        | 5        | 4        | 5        |
| 259 | 4        | 5        | 5        | 5        | 4        | 5        | 5        | 5        | 4        | 5        | 4        | 3        | 4        | 4        | 4        | 5        | 4        | 3        | 3        | 3        | 3        | 2        | 2        | 3        | 4        | 3        | 2        | 2        |
| 260 | 5        | 5        | 5        | 5        | 4        | 5        | 5        | 5        | 4        | 5        | 3        | 4        | 3        | 2        | 2        | 4        | 2        | 3        | 3        | 3        | 4        | 4        | 4        | 4        | 4        | 5        | 5        | 5        |
| 261 | 4        | 4        | 3        | 4        | 3        | 4        | 4        | 5        | 4        | 5        | 3        | 4        | 4        | 3        | 3        | 3        | 4        | 4        | 5        | 4        | 3        | 4        | 4        | 4        | 2        | 3        | 2        | 2        |
| 262 | 5        | 5        | 5        | 4        | 5        | 5        | 5        | 5        | 4        | 4        | 3        | 3        | 3        | 4        | 2        | 3        | 1        | 3        | 2        | 4        | 2        | 4        | 3        | 3        | 3        | 4        | 3        | 3        |
| 263 | 4        | 3        | 4        | 4        | 5        | 3        | 4        | 5        | 4        | 5        | 2        | 2        | 1        | 1        | 2        | 3        | 4        | 5        | 5        | 4        | 4        | 5        | 5        | 4        | 4        | 5        | 5        | 5        |
| 264 | 5        | 5        | 5        | 4        | 5        | 4        | 5        | 4        | 5        | 4        | 4        | 3        | 4        | 4        | 5        | 4        | 5        | 5        | 5        | 4        | 5        | 5        | 5        | 5        | 2        | 2        | 3        | 4        |
| 265 | 4        | 3        | 4        | 3        | 5        | 5        | 4        | 4        | 4        | 3        | 5        | 3        | 3        | 5        | 3        | 3        | 4        | 5        | 5        | 5        | 4        | 5        | 4        | 5        | 3        | 3        | 3        | 1        |
| 266 | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 5        | 5        | 5        | 5        | 4        | 5        | 5        | 5        | 4        | 5        | 4        | 4        | 4        | 4        | 5        | 4        | 5        | 5        | 4        | 4        |
| 267 | 4        | 5        | 4        | 5        | 3        | 4        | 4        | 4        | 4        | 4        | 5        | 5        | 4        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 4        | 5        | 3        | 2        | 3        | 3        |
| 268 | 5        | 5        | 5        | 5        | 5        | 4        | 5        | 5        | 5        | 5        | 4        | 4        | 5        | 3        | 4        | 4        | 3        | 5        | 3        | 5        | 4        | 5        | 5        | 4        | 5        | 4        | 3        | 4        |
| 269 | 3        | 4        | 4        | 4        | 4        | 5        | 3        | 5        | 4        | 5        | 2        | 2        | 3        | 2        | 3        | 2        | 5        | 4        | 4        | 4        | 5        | 3        | 3        | 5        | 4        | 3        | 4        | 4        |
| 270 | 3        | 4        | 3        | 4        | 5        | 5        | 5        | 4        | 4        | 3        | 3        | 3        | 2        | 4        | 2        | 3        | 3        | 3        | 4        | 3        | 4        | 3        | 4        | 4        | 2        | 2        | 2        | 3        |
| 271 | 1        | 2        | 2        | 2        | 2        | 2        | 2        | 3        | 2        | 2        | 2        | 3        | 3        | 2        | 2        | 3        | 4        | 4        | 5        | 4        | 4        | 3        | 4        | 4        | 1        | 2        | 2        | 2        |

| NO  | X1<br>.1 | X1<br>.2 | X2<br>.1 | X2<br>.2 | X3<br>.1 | X3<br>.2 | X4<br>.1 | X4<br>.2 | X5<br>.1 | X5<br>.2 | M<br>1.1 | M<br>1.2 | M<br>2.1 | M<br>2.2 | M<br>3.1 | M<br>3.2 | Z1<br>.1 | Z1<br>.2 | Z2<br>.1 | Z2<br>.2 | Z3<br>.1 | Z3<br>.2 | Z4<br>.1 | Z4<br>.2 | Y1<br>.1 | Y1<br>.2 | Y2<br>.1 | Y2<br>.2 |
|-----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 272 | 4        | 5        | 5        | 5        | 5        | 5        | 4        | 4        | 4        | 5        | 4        | 4        | 5        | 5        | 3        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 3        | 3        | 3        | 2        |
| 273 | 5        | 5        | 4        | 5        | 4        | 5        | 5        | 4        | 5        | 4        | 4        | 5        | 5        | 4        | 5        | 4        | 4        | 4        | 4        | 3        | 5        | 5        | 5        | 4        | 4        | 4        | 4        | 4        |
| 274 | 2        | 2        | 2        | 1        | 1        | 3        | 2        | 2        | 2        | 2        | 2        | 2        | 2        | 1        | 2        | 2        | 3        | 4        | 4        | 3        | 5        | 4        | 5        | 5        | 2        | 2        | 2        | 3        |
| 275 | 1        | 1        | 3        | 2        | 2        | 2        | 2        | 3        | 2        | 2        | 3        | 2        | 1        | 1        | 1        | 2        | 4        | 4        | 4        | 3        | 3        | 5        | 4        | 4        | 5        | 5        | 5        | 4        |
| 276 | 4        | 3        | 4        | 3        | 5        | 4        | 4        | 4        | 5        | 3        | 3        | 4        | 4        | 3        | 3        | 4        | 4        | 3        | 5        | 3        | 4        | 4        | 4        | 4        | 2        | 2        | 2        | 2        |
| 277 | 5        | 5        | 4        | 5        | 5        | 4        | 5        | 4        | 5        | 5        | 4        | 3        | 4        | 4        | 4        | 4        | 4        | 4        | 5        | 5        | 5        | 4        | 4        | 4        | 5        | 3        | 4        | 4        |
| 278 | 3        | 4        | 5        | 4        | 3        | 3        | 3        | 4        | 3        | 4        | 2        | 3        | 2        | 3        | 2        | 2        | 5        | 4        | 4        | 4        | 5        | 5        | 3        | 5        | 5        | 4        | 5        | 4        |
| 279 | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 5        | 4        | 4        | 4        | 3        | 3        | 4        | 3        | 4        | 3        | 3        | 2        | 3        | 4        | 3        | 5        | 5        | 5        | 5        |
| 280 | 5        | 5        | 4        | 5        | 4        | 5        | 5        | 4        | 5        | 4        | 5        | 5        | 5        | 5        | 5        | 4        | 3        | 4        | 3        | 3        | 3        | 3        | 3        | 3        | 4        | 5        | 5        | 3        |
| 281 | 1        | 2        | 3        | 1        | 1        | 3        | 2        | 1        | 2        | 2        | 2        | 3        | 3        | 3        | 1        | 3        | 3        | 4        | 3        | 3        | 4        | 4        | 5        | 4        | 2        | 3        | 2        | 2        |
| 282 | 4        | 5        | 4        | 5        | 5        | 5        | 4        | 4        | 5        | 5        | 4        | 5        | 5        | 4        | 5        | 5        | 3        | 4        | 4        | 3        | 5        | 4        | 4        | 4        | 2        | 3        | 3        | 4        |
| 283 | 4        | 4        | 2        | 4        | 3        | 2        | 2        | 3        | 3        | 3        | 3        | 3        | 3        | 3        | 4        | 4        | 3        | 4        | 4        | 3        | 4        | 3        | 4        | 3        | 5        | 5        | 4        | 4        |
| 284 | 3        | 2        | 3        | 4        | 3        | 3        | 3        | 3        | 4        | 3        | 4        | 4        | 5        | 4        | 3        | 5        | 4        | 4        | 3        | 5        | 4        | 4        | 3        | 3        | 5        | 4        | 4        | 4        |
| 285 | 4        | 4        | 5        | 5        | 4        | 5        | 5        | 4        | 5        | 5        | 2        | 3        | 3        | 3        | 4        | 4        | 3        | 2        | 3        | 2        | 2        | 3        | 3        | 3        | 4        | 3        | 4        | 2        |
| 286 | 4        | 5        | 5        | 4        | 5        | 5        | 5        | 4        | 4        | 5        | 4        | 3        | 2        | 2        | 4        | 4        | 5        | 4        | 4        | 5        | 5        | 3        | 5        | 5        | 3        | 3        | 4        | 4        |
| 287 | 3        | 3        | 3        | 5        | 3        | 4        | 5        | 4        | 3        | 3        | 2        | 3        | 2        | 4        | 4        | 3        | 5        | 5        | 3        | 5        | 5        | 5        | 4        | 4        | 5        | 5        | 4        | 5        |
| 288 | 4        | 4        | 4        | 5        | 5        | 4        | 4        | 4        | 3        | 4        | 5        | 5        | 5        | 4        | 5        | 5        | 4        | 5        | 4        | 4        | 4        | 5        | 3        | 4        | 5        | 5        | 5        | 5        |
| 289 | 4        | 4        | 5        | 4        | 3        | 4        | 5        | 3        | 3        | 5        | 4        | 4        | 4        | 5        | 5        | 5        | 3        | 3        | 5        | 4        | 3        | 4        | 5        | 4        | 2        | 2        | 3        | 3        |
| 290 | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 3        | 3        | 2        | 3        | 3        | 4        | 3        | 2        | 2        | 1        | 2        | 2        | 3        | 3        | 4        | 5        | 3        | 4        |
| 291 | 1        | 2        | 1        | 2        | 1        | 3        | 1        | 1        | 2        | 2        | 4        | 4        | 3        | 5        | 5        | 3        | 4        | 5        | 4        | 4        | 5        | 4        | 5        | 4        | 4        | 3        | 3        | 3        |
| 292 | 4        | 4        | 4        | 5        | 4        | 4        | 4        | 3        | 4        | 4        | 5        | 4        | 5        | 4        | 4        | 3        | 1        | 2        | 3        | 2        | 2        | 3        | 2        | 3        | 5        | 4        | 5        | 4        |

| NO  | X1<br>.1 | X1<br>.2 | X2<br>.1 | X2<br>.2 | X3<br>.1 | X3<br>.2 | X4<br>.1 | X4<br>.2 | X5<br>.1 | X5<br>.2 | M<br>1.1 | M<br>1.2 | M<br>2.1 | M<br>2.2 | M<br>3.1 | M<br>3.2 | Z1<br>.1 | Z1<br>.2 | Z2<br>.1 | Z2<br>.2 | Z3<br>.1 | Z3<br>.2 | Z4<br>.1 | Z4<br>.2 | Y1<br>.1 | Y1<br>.2 | Y2<br>.1 | Y2<br>.2 |
|-----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 293 | 3        | 3        | 2        | 2        | 3        | 3        | 2        | 2        | 4        | 4        | 4        | 5        | 5        | 4        | 4        | 5        | 3        | 3        | 3        | 2        | 1        | 2        | 3        | 3        | 3        | 4        | 3        | 3        |
| 294 | 4        | 4        | 4        | 4        | 5        | 5        | 4        | 3        | 3        | 4        | 4        | 3        | 3        | 4        | 3        | 4        | 4        | 5        | 5        | 4        | 4        | 5        | 4        | 4        | 5        | 5        | 4        | 5        |
| 295 | 3        | 4        | 5        | 5        | 4        | 4        | 3        | 5        | 3        | 5        | 5        | 5        | 4        | 5        | 5        | 5        | 3        | 4        | 4        | 3        | 4        | 4        | 2        | 3        | 3        | 4        | 5        | 5        |
| 296 | 5        | 5        | 5        | 5        | 5        | 4        | 4        | 5        | 5        | 5        | 3        | 3        | 4        | 2        | 2        | 3        | 3        | 3        | 3        | 3        | 4        | 3        | 5        | 3        | 5        | 4        | 5        | 5        |
| 297 | 5        | 4        | 4        | 4        | 3        | 5        | 3        | 5        | 3        | 5        | 4        | 5        | 4        | 5        | 5        | 5        | 4        | 5        | 3        | 3        | 3        | 4        | 4        | 5        | 3        | 2        | 3        | 3        |
| 298 | 3        | 3        | 3        | 4        | 3        | 4        | 5        | 5        | 5        | 5        | 3        | 1        | 2        | 3        | 3        | 3        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 3        | 2        | 2        | 2        |
| 299 | 4        | 3        | 4        | 5        | 4        | 4        | 4        | 3        | 4        | 5        | 4        | 4        | 4        | 4        | 4        | 5        | 3        | 4        | 4        | 4        | 4        | 4        | 4        | 4        | 5        | 4        | 5        | 5        |
| 300 | 4        | 4        | 4        | 3        | 5        | 5        | 4        | 4        | 4        | 4        | 4        | 4        | 3        | 3        | 4        | 5        | 4        | 4        | 3        | 3        | 4        | 5        | 4        | 5        | 5        | 5        | 3        | 5        |
| 301 | 5        | 4        | 4        | 3        | 4        | 4        | 5        | 3        | 4        | 5        | 3        | 3        | 3        | 3        | 4        | 3        | 5        | 5        | 4        | 5        | 5        | 4        | 5        | 4        | 2        | 4        | 4        | 2        |
| 302 | 4        | 3        | 3        | 3        | 4        | 3        | 4        | 3        | 3        | 3        | 2        | 3        | 3        | 3        | 4        | 2        | 5        | 3        | 5        | 5        | 4        | 3        | 5        | 3        | 3        | 3        | 4        | 4        |
| 303 | 3        | 5        | 3        | 4        | 4        | 3        | 4        | 4        | 4        | 4        | 3        | 3        | 2        | 3        | 3        | 3        | 5        | 5        | 4        | 5        | 5        | 4        | 4        | 5        | 3        | 3        | 3        | 4        |
| 304 | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 5        | 5        | 4        | 2        | 3        | 2        | 4        | 4        | 4        | 5        | 5        | 5        | 5        | 5        | 4        | 5        | 3        | 4        | 5        | 4        |
| 305 | 5        | 4        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 4        | 4        | 5        | 3        | 5        | 3        | 5        | 5        | 4        | 5        | 4        | 4        | 4        | 5        | 5        | 3        | 4        | 4        | 5        |
| 306 | 5        | 4        | 5        | 5        | 5        | 5        | 5        | 4        | 5        | 5        | 1        | 2        | 3        | 2        | 2        | 2        | 3        | 4        | 5        | 4        | 3        | 4        | 5        | 5        | 3        | 4        | 4        | 5        |
| 307 | 5        | 5        | 4        | 5        | 5        | 4        | 5        | 5        | 5        | 5        | 3        | 3        | 3        | 3        | 3        | 4        | 3        | 4        | 3        | 4        | 4        | 4        | 4        | 5        | 4        | 4        | 5        | 5        |
| 308 | 4        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 4        | 5        | 1        | 2        | 3        | 2        | 2        | 1        | 5        | 4        | 3        | 4        | 5        | 4        | 3        | 4        | 3        | 4        | 4        | 4        |
| 309 | 5        | 4        | 4        | 4        | 4        | 4        | 3        | 4        | 4        | 5        | 3        | 4        | 4        | 4        | 5        | 5        | 3        | 3        | 3        | 3        | 4        | 4        | 4        | 5        | 4        | 3        | 4        | 3        |
| 310 | 5        | 4        | 4        | 5        | 4        | 4        | 4        | 4        | 4        | 4        | 2        | 3        | 2        | 3        | 2        | 2        | 5        | 5        | 4        | 3        | 4        | 5        | 3        | 4        | 5        | 4        | 3        | 3        |
| 311 | 3        | 4        | 4        | 4        | 2        | 4        | 3        | 3        | 4        | 3        | 3        | 3        | 3        | 2        | 2        | 2        | 4        | 2        | 4        | 4        | 3        | 3        | 3        | 2        | 5        | 5        | 4        | 5        |
| 312 | 4        | 4        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 5        | 3        | 2        | 2        | 2        | 2        | 2        | 3        | 3        | 4        | 3        | 4        | 2        | 3        | 2        | 5        | 3        | 4        | 4        |
| 313 | 4        | 4        | 5        | 5        | 4        | 3        | 4        | 5        | 5        | 5        | 4        | 5        | 5        | 3        | 4        | 4        | 3        | 3        | 5        | 4        | 5        | 5        | 3        | 4        | 4        | 3        | 3        | 3        |

| NO  | X1<br>.1 | X1<br>.2 | X2<br>.1 | X2<br>.2 | X3<br>.1 | X3<br>.2 | X4<br>.1 | X4<br>.2 | X5<br>.1 | X5<br>.2 | M<br>1.1 | M<br>1.2 | M<br>2.1 | M<br>2.2 | M<br>3.1 | M<br>3.2 | Z1<br>.1 | Z1<br>.2 | Z2<br>.1 | Z2<br>.2 | Z3<br>.1 | Z3<br>.2 | Z4<br>.1 | Z4<br>.2 | Y1<br>.1 | Y1<br>.2 | Y2<br>.1 | Y2<br>.2 |
|-----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 314 | 2        | 1        | 3        | 2        | 3        | 3        | 1        | 2        | 2        | 3        | 2        | 2        | 3        | 4        | 4        | 4        | 5        | 5        | 4        | 4        | 4        | 5        | 5        | 5        | 4        | 5        | 4        | 4        |
| 315 | 3        | 3        | 2        | 1        | 2        | 1        | 1        | 3        | 2        | 1        | 4        | 5        | 5        | 4        | 4        | 5        | 4        | 5        | 3        | 3        | 4        | 5        | 5        | 4        | 5        | 4        | 5        | 4        |
| 316 | 2        | 3        | 3        | 3        | 3        | 3        | 3        | 4        | 3        | 3        | 4        | 3        | 3        | 4        | 3        | 3        | 4        | 3        | 4        | 2        | 4        | 3        | 3        | 3        | 4        | 4        | 5        | 4        |
| 317 | 4        | 4        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 5        | 3        | 3        | 5        | 4        | 4        | 4        | 4        | 4        | 4        | 4        | 4        | 5        | 5        | 5        | 5        | 4        | 5        |
| 318 | 4        | 2        | 3        | 4        | 3        | 2        | 4        | 3        | 3        | 4        | 2        | 1        | 3        | 3        | 2        | 1        | 5        | 4        | 5        | 5        | 4        | 4        | 5        | 5        | 5        | 4        | 5        | 5        |
| 319 | 3        | 3        | 1        | 2        | 1        | 2        | 2        | 2        | 2        | 2        | 5        | 5        | 4        | 4        | 4        | 5        | 3        | 4        | 3        | 2        | 3        | 3        | 3        | 3        | 4        | 4        | 5        | 3        |
| 320 | 5        | 3        | 5        | 5        | 4        | 4        | 4        | 5        | 3        | 5        | 4        | 5        | 4        | 5        | 5        | 5        | 1        | 2        | 1        | 2        | 1        | 2        | 1        | 1        | 4        | 5        | 3        | 4        |
| 321 | 4        | 4        | 3        | 5        | 3        | 3        | 4        | 5        | 4        | 5        | 5        | 5        | 5        | 5        | 4        | 4        | 3        | 3        | 3        | 3        | 3        | 4        | 3        | 3        | 3        | 4        | 3        | 4        |
| 322 | 2        | 2        | 1        | 2        | 1        | 1        | 1        | 2        | 2        | 1        | 4        | 4        | 3        | 4        | 5        | 3        | 3        | 3        | 3        | 3        | 3        | 3        | 2        | 3        | 3        | 5        | 3        | 3        |
| 323 | 5        | 5        | 4        | 4        | 3        | 4        | 4        | 4        | 4        | 5        | 5        | 3        | 4        | 4        | 5        | 3        | 4        | 2        | 2        | 2        | 3        | 4        | 2        | 3        | 2        | 3        | 3        | 3        |
| 324 | 4        | 4        | 5        | 5        | 5        | 5        | 5        | 4        | 4        | 5        | 5        | 5        | 5        | 4        | 4        | 5        | 3        | 4        | 4        | 3        | 3        | 4        | 5        | 5        | 5        | 4        | 4        | 3        |
| 325 | 5        | 4        | 4        | 3        | 5        | 3        | 5        | 3        | 5        | 5        | 1        | 1        | 1        | 1        | 2        | 1        | 3        | 3        | 2        | 3        | 4        | 3        | 3        | 3        | 2        | 1        | 2        | 3        |
| 326 | 5        | 4        | 3        | 5        | 4        | 3        | 4        | 4        | 5        | 3        | 2        | 3        | 4        | 2        | 3        | 3        | 3        | 1        | 1        | 3        | 2        | 2        | 3        | 3        | 4        | 5        | 5        | 3        |
| 327 | 3        | 5        | 4        | 5        | 4        | 4        | 4        | 3        | 5        | 5        | 3        | 3        | 4        | 5        | 3        | 5        | 5        | 5        | 5        | 5        | 5        | 4        | 5        | 4        | 3        | 2        | 2        | 2        |
| 328 | 4        | 4        | 2        | 3        | 3        | 2        | 3        | 1        | 5        | 1        | 2        | 2        | 5        | 2        | 3        | 1        | 4        | 1        | 5        | 3        | 5        | 4        | 3        | 4        | 5        | 5        | 4        | 2        |

### Lampiran 7 Analisis Data Karakteristik Responden

| Statistics |         |      |               |
|------------|---------|------|---------------|
|            |         | Usia | Jenis Kelamin |
| N          | Valid   | 328  | 328           |
|            | Missing | 0    | 0             |

| Usia  |    |           |         |               |                    |
|-------|----|-----------|---------|---------------|--------------------|
|       |    | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | 25 | 4         | 1,2     | 1,2           | 1,2                |
|       | 26 | 7         | 2,1     | 2,1           | 3,4                |
|       | 27 | 6         | 1,8     | 1,8           | 5,2                |
|       | 28 | 5         | 1,5     | 1,5           | 6,7                |
|       | 29 | 6         | 1,8     | 1,8           | 8,5                |
|       | 30 | 9         | 2,7     | 2,7           | 11,3               |
|       | 31 | 8         | 2,4     | 2,4           | 13,7               |
|       | 32 | 8         | 2,4     | 2,4           | 16,2               |
|       | 33 | 6         | 1,8     | 1,8           | 18,0               |
|       | 34 | 5         | 1,5     | 1,5           | 19,5               |
|       | 35 | 9         | 2,7     | 2,7           | 22,3               |
|       | 36 | 11        | 3,4     | 3,4           | 25,6               |
|       | 37 | 6         | 1,8     | 1,8           | 27,4               |
|       | 38 | 8         | 2,4     | 2,4           | 29,9               |
|       | 39 | 6         | 1,8     | 1,8           | 31,7               |
|       | 40 | 9         | 2,7     | 2,7           | 34,5               |
|       | 41 | 7         | 2,1     | 2,1           | 36,6               |
|       | 42 | 10        | 3,0     | 3,0           | 39,6               |
|       | 43 | 8         | 2,4     | 2,4           | 42,1               |
|       | 44 | 5         | 1,5     | 1,5           | 43,6               |
|       | 45 | 9         | 2,7     | 2,7           | 46,3               |
|       | 46 | 11        | 3,4     | 3,4           | 49,7               |
|       | 47 | 2         | ,6      | ,6            | 50,3               |
|       | 48 | 7         | 2,1     | 2,1           | 52,4               |
|       | 49 | 14        | 4,3     | 4,3           | 56,7               |
|       | 50 | 8         | 2,4     | 2,4           | 59,1               |
|       | 51 | 15        | 4,6     | 4,6           | 63,7               |
|       | 52 | 8         | 2,4     | 2,4           | 66,2               |
|       | 53 | 14        | 4,3     | 4,3           | 70,4               |
|       | 54 | 10        | 3,0     | 3,0           | 73,5               |
|       | 55 | 9         | 2,7     | 2,7           | 76,2               |
|       | 56 | 7         | 2,1     | 2,1           | 78,4               |
|       | 57 | 7         | 2,1     | 2,1           | 80,5               |
|       | 58 | 10        | 3,0     | 3,0           | 83,5               |
|       | 59 | 9         | 2,7     | 2,7           | 86,3               |
|       | 60 | 4         | 1,2     | 1,2           | 87,5               |

|  |       |     |       |       |       |
|--|-------|-----|-------|-------|-------|
|  | 61    | 10  | 3,0   | 3,0   | 90,5  |
|  | 62    | 5   | 1,5   | 1,5   | 92,1  |
|  | 63    | 13  | 4,0   | 4,0   | 96,0  |
|  | 64    | 6   | 1,8   | 1,8   | 97,9  |
|  | 65    | 7   | 2,1   | 2,1   | 100,0 |
|  | Total | 328 | 100,0 | 100,0 |       |

#### Jenis Kelamin

|                 | Frequency | Percent | Valid Percent | Cumulative Percent |
|-----------------|-----------|---------|---------------|--------------------|
| Laki-Laki       | 231       | 70,4    | 70,4          | 70,4               |
| Valid Perempuan | 97        | 29,6    | 29,6          | 100,0              |
| Total           | 328       | 100,0   | 100,0         |                    |



### Lampiran 8 Analisis Faktor

|                                                  |                    |          |
|--------------------------------------------------|--------------------|----------|
| KMO and Bartlett's Test                          |                    |          |
| Kaiser-Meyer-Olkin Measure of Sampling Adequacy. |                    | ,827     |
| Bartlett's Test of Sphericity                    | Approx. Chi-Square | 3446,033 |
|                                                  | df                 | 91       |
|                                                  | Sig.               | ,000     |

| Anti-image Matrices    |    |                   |                   |       |       |       |       |       |       |       |       |       |       |       |       |
|------------------------|----|-------------------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                        |    | X1                | X2                | X3    | X4    | X5    | M1    | M2    | M3    | Z1    | Z2    | Z3    | Z4    | Y1    | Y2    |
| Anti-image Covariance  | X1 | ,283              | -,071             | -,054 | -,062 | -,065 | ,010  | ,001  | -,022 | -,002 | ,006  | ,001  | -,010 | ,019  | ,007  |
|                        | X2 | -,071             | ,283              | -,060 | -,070 | -,050 | -,001 | ,003  | ,003  | -,002 | -,005 | -,017 | ,025  | ,009  | -,008 |
|                        | X3 | -,054             | -,060             | ,277  | -,067 | -,072 | -,014 | ,001  | ,018  | -,005 | -,005 | ,006  | ,012  | -,027 | ,001  |
|                        | X4 | -,062             | -,070             | -,067 | ,250  | -,066 | -,026 | ,011  | ,014  | -,011 | ,015  | ,001  | -,007 | ,007  | -,019 |
|                        | X5 | -,065             | -,050             | -,072 | -,066 | ,277  | ,029  | -,003 | -,022 | ,025  | -,013 | ,009  | -,025 | -,005 | ,015  |
|                        | M1 | ,010              | -,001             | -,014 | -,026 | ,029  | ,334  | -,138 | -,134 | -,043 | ,054  | -,017 | ,017  | ,001  | -,003 |
|                        | M2 | ,001              | ,003              | ,001  | ,011  | -,003 | -,138 | ,318  | -,151 | ,037  | -,039 | ,002  | -,006 | -,009 | ,027  |
|                        | M3 | -,022             | ,003              | ,018  | ,014  | -,022 | -,134 | -,151 | ,320  | -,002 | ,002  | ,013  | -,010 | ,004  | -,023 |
|                        | Z1 | -,002             | -,002             | -,005 | -,011 | ,025  | -,043 | ,037  | -,002 | ,301  | -,093 | -,096 | -,089 | -,015 | ,010  |
|                        | Z2 | ,006              | -,005             | -,005 | ,015  | -,013 | ,054  | -,039 | ,002  | -,093 | ,309  | -,092 | -,085 | -,002 | ,005  |
|                        | Z3 | ,001              | -,017             | ,006  | ,001  | ,009  | -,017 | ,002  | ,013  | -,096 | -,092 | ,293  | -,095 | ,005  | -,012 |
|                        | Z4 | -,010             | ,025              | ,012  | -,007 | -,025 | ,017  | -,006 | -,010 | -,089 | -,085 | -,095 | ,311  | ,021  | -,013 |
|                        | Y1 | ,019              | ,009              | -,027 | ,007  | -,005 | ,001  | -,009 | ,004  | -,015 | -,002 | ,005  | ,021  | ,373  | -,292 |
|                        | Y2 | ,007              | -,008             | ,001  | -,019 | ,015  | -,003 | ,027  | -,023 | ,010  | ,005  | -,012 | -,013 | -,292 | ,373  |
| Anti-image Correlation | X1 | ,915 <sup>a</sup> | -,250             | -,193 | -,233 | -,231 | ,033  | ,002  | -,072 | -,008 | ,019  | ,003  | -,032 | ,060  | ,021  |
|                        | X2 | -,250             | ,914 <sup>a</sup> | -,214 | -,265 | -,179 | -,002 | ,011  | ,008  | -,006 | -,017 | -,060 | ,085  | ,026  | -,025 |

|                                       |    |       |       |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
|---------------------------------------|----|-------|-------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
|                                       | X3 | -,193 | -,214 | ,912 <sup>a</sup> | -,254             | -,259             | -,045             | ,003              | ,059              | -,018             | -,017             | ,023              | ,040              | -,085             | ,003              |
|                                       | X4 | -,233 | -,265 | -,254             | ,900 <sup>a</sup> | -,251             | -,090             | ,040              | ,049              | -,041             | ,054              | ,004              | -,026             | ,021              | -,061             |
|                                       | X5 | -,231 | -,179 | -,259             | -,251             | ,905 <sup>a</sup> | ,094              | -,009             | -,075             | ,085              | -,046             | ,031              | -,086             | -,016             | ,046              |
|                                       | M1 | ,033  | -,002 | -,045             | -,090             | ,094              | ,735 <sup>a</sup> | -,423             | -,410             | -,136             | ,167              | -,054             | ,053              | ,002              | -,009             |
|                                       | M2 | ,002  | ,011  | ,003              | ,040              | -,009             | -,423             | ,730 <sup>a</sup> | -,472             | ,121              | -,125             | ,007              | -,018             | -,026             | ,078              |
|                                       | M3 | -,072 | ,008  | ,059              | ,049              | -,075             | -,410             | -,472             | ,742 <sup>a</sup> | -,007             | ,006              | ,042              | -,032             | ,011              | -,065             |
|                                       | Z1 | -,008 | -,006 | -,018             | -,041             | ,085              | -,136             | ,121              | -,007             | ,842 <sup>a</sup> | -,304             | -,323             | -,292             | -,046             | ,029              |
|                                       | Z2 | ,019  | -,017 | -,017             | ,054              | -,046             | ,167              | -,125             | ,006              | -,304             | ,848 <sup>a</sup> | -,305             | -,275             | -,006             | ,015              |
|                                       | Z3 | ,003  | -,060 | ,023              | ,004              | ,031              | -,054             | ,007              | ,042              | -,323             | -,305             | ,852 <sup>a</sup> | -,314             | ,016              | -,035             |
|                                       | Z4 | -,032 | ,085  | ,040              | -,026             | -,086             | ,053              | -,018             | -,032             | -,292             | -,275             | -,314             | ,858 <sup>a</sup> | ,063              | -,038             |
|                                       | Y1 | ,060  | ,026  | -,085             | ,021              | -,016             | ,002              | -,026             | ,011              | -,046             | -,006             | ,016              | ,063              | ,501 <sup>a</sup> | -,782             |
|                                       | Y2 | ,021  | -,025 | ,003              | -,061             | ,046              | -,009             | ,078              | -,065             | ,029              | ,015              | -,035             | -,038             | -,782             | ,503 <sup>a</sup> |
| a. Measures of Sampling Adequacy(MSA) |    |       |       |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |

| <i>Communalities</i> |         |            |
|----------------------|---------|------------|
|                      | Initial | Extraction |
| X1                   | 1,000   | ,816       |
| X2                   | 1,000   | ,813       |
| X3                   | 1,000   | ,818       |
| X4                   | 1,000   | ,837       |
| X5                   | 1,000   | ,814       |
| M1                   | 1,000   | ,833       |
| M2                   | 1,000   | ,848       |
| M3                   | 1,000   | ,849       |
| Z1                   | 1,000   | ,820       |
| Z2                   | 1,000   | ,814       |

|                                                  |       |      |
|--------------------------------------------------|-------|------|
| Z3                                               | 1,000 | ,831 |
| Z4                                               | 1,000 | ,817 |
| Y1                                               | 1,000 | ,893 |
| Y2                                               | 1,000 | ,893 |
| Extraction Method: Principal Component Analysis. |       |      |

| Total Variance Explained |                     |               |              |                                     |               |              |                                   |               |              |
|--------------------------|---------------------|---------------|--------------|-------------------------------------|---------------|--------------|-----------------------------------|---------------|--------------|
| Component                | Initial Eigenvalues |               |              | Extraction Sums of Squared Loadings |               |              | Rotation Sums of Squared Loadings |               |              |
|                          | Total               | % of Variance | Cumulative % | Total                               | % of Variance | Cumulative % | Total                             | % of Variance | Cumulative % |
| 1                        | 4,118               | 29,417        | 29,417       | 4,118                               | 29,417        | 29,417       | 4,089                             | 29,208        | 29,208       |
| 2                        | 3,292               | 23,515        | 52,933       | 3,292                               | 23,515        | 52,933       | 3,280                             | 23,430        | 52,639       |
| 3                        | 2,493               | 17,807        | 70,740       | 2,493                               | 17,807        | 70,740       | 2,528                             | 18,058        | 70,697       |
| 4                        | 1,793               | 12,810        | 83,550       | 1,793                               | 12,810        | 83,550       | 1,799                             | 12,853        | 83,550       |
| 5                        | ,324                | 2,311         | 85,861       |                                     |               |              |                                   |               |              |
| 6                        | ,270                | 1,932         | 87,793       |                                     |               |              |                                   |               |              |
| 7                        | ,253                | 1,809         | 89,601       |                                     |               |              |                                   |               |              |
| 8                        | ,236                | 1,685         | 91,286       |                                     |               |              |                                   |               |              |
| 9                        | ,219                | 1,566         | 92,852       |                                     |               |              |                                   |               |              |
| 10                       | ,214                | 1,531         | 94,383       |                                     |               |              |                                   |               |              |
| 11                       | ,208                | 1,483         | 95,866       |                                     |               |              |                                   |               |              |
| 12                       | ,205                | 1,461         | 97,327       |                                     |               |              |                                   |               |              |
| 13                       | ,190                | 1,358         | 98,686       |                                     |               |              |                                   |               |              |
| 14                       | ,184                | 1,314         | 100,000      |                                     |               |              |                                   |               |              |

Extraction Method: Principal Component Analysis.

| <i>Component matrix<sup>a</sup></i>              |           |      |      |      |
|--------------------------------------------------|-----------|------|------|------|
|                                                  | Component |      |      |      |
|                                                  | 1         | 2    | 3    | 4    |
| X1                                               | ,888      |      |      |      |
| X2                                               | ,892      |      |      |      |
| X3                                               | ,890      |      |      |      |
| X4                                               | ,905      |      |      |      |
| X5                                               | ,892      |      |      |      |
| M1                                               |           |      | ,884 |      |
| M2                                               |           |      | ,892 |      |
| M3                                               |           |      | ,897 |      |
| Z1                                               |           | ,874 |      |      |
| Z2                                               |           | ,880 |      |      |
| Z3                                               |           | ,882 |      |      |
| Z4                                               |           | ,872 |      |      |
| Y1                                               |           |      |      | ,942 |
| Y2                                               |           |      |      | ,941 |
| Extraction Method: Principal Component Analysis. |           |      |      |      |
| a. 4 components extracted.                       |           |      |      |      |

| <i>Rotated Component matrix<sup>a</sup></i> |           |   |   |   |
|---------------------------------------------|-----------|---|---|---|
|                                             | Component |   |   |   |
|                                             | 1         | 2 | 3 | 4 |
| X1                                          | ,901      |   |   |   |
| X2                                          | ,901      |   |   |   |

|                                                                                                         |      |      |      |      |
|---------------------------------------------------------------------------------------------------------|------|------|------|------|
| X3                                                                                                      | ,901 |      |      |      |
| X4                                                                                                      | ,914 |      |      |      |
| X5                                                                                                      | ,902 |      |      |      |
| M1                                                                                                      |      |      | ,911 |      |
| M2                                                                                                      |      |      | ,919 |      |
| M3                                                                                                      |      |      | ,921 |      |
| Z1                                                                                                      |      | ,905 |      |      |
| Z2                                                                                                      |      | ,900 |      |      |
| Z3                                                                                                      |      | ,911 |      |      |
| Z4                                                                                                      |      | ,903 |      |      |
| Y1                                                                                                      |      |      |      | ,945 |
| Y2                                                                                                      |      |      |      | ,944 |
| Extraction Method: Principal Component Analysis.<br>Rotation Method: Varimax with Kaiser Normalization. |      |      |      |      |
| a. Rotation converged in 4 iterations.                                                                  |      |      |      |      |

| Component Transformation Matrix                                                                         |       |      |       |       |
|---------------------------------------------------------------------------------------------------------|-------|------|-------|-------|
| Component                                                                                               | 1     | 2    | 3     | 4     |
| 1                                                                                                       | ,985  | ,157 | -,066 | ,042  |
| 2                                                                                                       | -,166 | ,967 | -,192 | -,018 |
| 3                                                                                                       | ,032  | ,201 | ,978  | ,046  |
| 4                                                                                                       | -,046 | ,001 | -,046 | ,998  |
| Extraction Method: Principal Component Analysis.<br>Rotation Method: Varimax with Kaiser Normalization. |       |      |       |       |

## Lampiran 9 Dokumentasi

### Koperasi Unit Desa Swakarsa

|                                                                                     |                                                                                                                                                                   |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | <p>Dokumentasi pengambilan surat balasan penelitian di Koperasi Unit Desa Swakarsa bersama dengan Manager Koperasi Ibu Rusdiana,SH</p>                            |
|   | <p>Dokumentasi pengisian kuesioner dengan nasabah Koperasi Unit Desa Swakarsa bersama dengan ibu Luh Sukertiasih dan petugas Koperasi Putu Suwendren</p>          |
|  | <p>Dokumentasi pengisian kuesioner dengan nasabah Koperasi Unit Desa Swakarsa bersama dengan ibu Kadek Sutritisning dan petugas Koperasi Bapak Putu Suwendren</p> |
|  | <p>Dokumentasi pengisian kuesioner dengan nasabah Koperasi Unit Desa Swakarsa bersama dengan Bapak Wayan Bagiasa dan petugas Koperasi Bapak Putu Suwendren</p>    |

|                                                                                   |                                                                                                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p>Dokumentasi pengisian kuesioner dengan nasabah Koperasi Unit Desa Swakarsa bersama dengan Bapak Komang Arta Suyasa dan petugas Koperasi Bapak Putu Suwendren</p> |
|  | <p>Dokumentasi pengisian kuesioner dengan nasabah Koperasi Unit Desa Swakarsa bersama dengan Bapak Kadek Wiriawan dan petugas Koperasi Putu Suwendren</p>           |

### Dokumentasi Koperasi Unit Desa Seririt

|                                                                                     |                                                                                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p>Dokumentasi pengambilan surat balasan penelitian di Koperasi Unit Desa Seririt bersama dengan Manager Koperasi Bapak Ketut Subawa, SH</p>          |
|  | <p>Dokumentasi pengisian kuesioner dengan nasabah Koperasi Unit Desa Seririt bersama dengan Ibu Kadek Dewi Asih dan petugas Koperasi Putu Ediawan</p> |

|                                                                                     |                                                                                                                           |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
|    | <p>Dokumentasi pengisian kuesioner dengan nasabah Koperasi Unit Desa Seririt bersama dengan Ibu Putu Sugiartini</p>       |
|    | <p>Dokumentasi pengisian kuesioner dengan nasabah Koperasi Unit Desa Seririt bersama dengan Ibu Ketut Suantari</p>        |
|   | <p>Dokumentasi pengisian kuesioner dengan nasabah Koperasi Unit Desa Seririt bersama dengan Bapak Gede Arya Pratama</p>   |
|  | <p>Dokumentasi pengisian kuesioner dengan nasabah Koperasi Unit Desa Seririt bersama dengan Bapak Gede Mantra Adnyana</p> |

### Dokumentasi Koperasi unit Desa Sari Pertiwi

|                                                                                     |                                                                                                                                                                      |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | <p>Dokumentasi pengambilan surat balasan penelitian di Koperasi Unit Desa Seririt bersama dengan Manager Koperasi Bapak Ketut Hindu Wardani S.Tp</p>                 |
|   | <p>Dokumentasi pengisian kuesioner dengan nasabah Koperasi Unit Desa Sari Pertiwi bersama dengan Ibu Komang Parmi dan petugas Koperasi Bapak Putu Anggardana</p>     |
|  | <p>Dokumentasi pengisian kuesioner dengan nasabah Koperasi Unit Desa Sari Pertiwi bersama dengan Ibu Ni Luh Suci dan petugas Koperasi Bapak Putu Anggardana</p>      |
|  | <p>Dokumentasi pengisian kuesioner dengan nasabah Koperasi Unit Desa Sari Pertiwi bersama dengan Ibu Ni Made Sulandri dan petugas Koperasi Bapak Putu Anggardana</p> |

|                                                                                   |                                                                                                                                                                      |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p>Dokumentasi pengisian kuesioner dengan nasabah Koperasi Unit Desa Sari Pertiwi bersama dengan Bapak Ketut Sudiarta dan petugas Koperasi Bapak Putu Anggardana</p> |
|  | <p>Dokumentasi pengisian kuesioner dengan nasabah Koperasi Unit Desa Sari Pertiwi bersama dengan Bapak Putu Sukrana dan petugas Koperasi Bapak Putu Anggardana</p>   |

### Dokumentasi Koperasi Unit Desa Tirta Luhur

|                                                                                     |                                                                                                                                              |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p>Dokumentasi pengambilan surat balasan penelitian di Koperasi Unit Desa Tirta Luhur bersama dengan Manager Koperasi Bapak Nyoman Mawan</p> |
|  | <p>Dokumentasi pengisian kuesioner dengan nasabah Koperasi Unit Desa Tirta Luhur bersama dengan Ibu Putu Yasih dan petugas Koperasi.</p>     |

|                                                                                     |                                                                                                                                           |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
|    | <p>Dokumentasi pengisian kuesioner dengan nasabah Koperasi Unit Desa Tirta Luhur bersama dengan Ibu Luh Sudiasih</p>                      |
|    | <p>Dokumentasi pengisian kuesioner dengan nasabah Koperasi Unit Desa Tirta Luhur bersama dengan Ibu Ketut Sadri dan petugas Koperasi.</p> |
|   | <p>Dokumentasi pengisian kuesioner dengan nasabah Koperasi Unit Desa Tirta Luhur bersama dengan Ibu Putu Wayan Purniati</p>               |
|  | <p>Dokumentasi pengisian kuesioner dengan nasabah Koperasi Unit Desa Tirta Luhur bersama dengan Bapak Putu Kadek Suryawan</p>             |

## RIWAYAT HIDUP



Komang Widiana Saputra lahir di Dusun Berawah, Desa Tukadsumaga pada tanggal 12 September 2003. Penulis merupakan anak ketiga dari pasangan suami istri Bapak Putu Geriadana dan Ibu Luh Yasmini. Penulis beralamat di Dusun Berawah, Desa Tukadsumaga, Kecamatan Buleleng,

Provinsi Bali. Penulis menyelesaikan pendidikan dasar di SD Negeri 1 Tukadsumaga pada tahun 2016. Selanjutnya penulis melanjutkan pendidikan sekolah menengah pertama di SMP Negeri 3 Gerokgak dan lulus pada tahun 2019. Pada tahun 2022 penulis menyelesaikan pendidikan menengah atas di SMK Negeri 2 Seririt dengan mengambil jurusan Akuntansi dan Keuangan Lembaga. Setelah menyelesaikan pendidikan menengah atas, penulis melanjutkan pendidikan ke jenjang perguruan tinggi di Universitas Pendidikan Ganesha. Sampai pada tahap penyelesaian skripsi ini, penulis masih terdaftar sebagai mahasiswa Program Studi Pendidikan Ekonomi. Penulis telah menyelesaikan skripsi dengan judul “Analisis Faktor-Faktor Yang Mempengaruhi Terjadinya Kredit Macet Pada Koperasi Unit Desa Di kabupaten Buleleng”.