



Modul Praktikum Mata Kuliah  
Metodologi Penelitian  
Uji Validitas dan Reliabilitas - Stata

Muliati, SE., MSc.

# Uji Validitas & Reliabilitas

Muliati, SE., MSc

Fakultas Ekonomi dan Bisnis

Universitas Mulawarman

# Data Primer

- Data primer adalah data yang diperoleh dari sumber asli (wawancara, jajak pendapat dari individu atau kelompok, hasil observasi dari suatu objek, kejadian atau hasil pengujian/eksperimen)
- Metode yang digunakan dalam mengumpulkan data primer dapat berupa survei atau observasi
- Instrumen: kuesioner

# Data: Skala Pengukuran

Nominal

Penggo-  
longan

Ordinal

Penggo-  
longan

Tingkatan

Interval

Penggo-  
longan

Interval  
/jarak yang  
sama

Rasio

Tingkatan/  
interval

Punya nilai 0

Operasi  
matematika

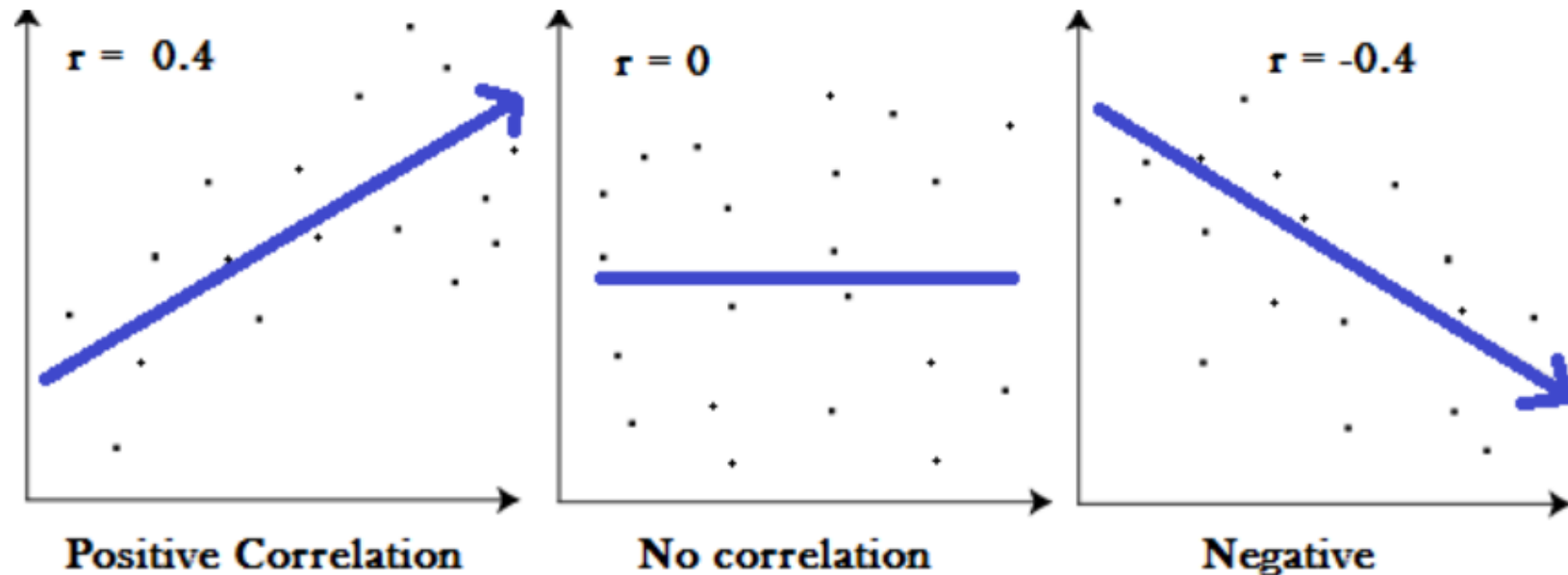
# Uji Validitas

- Uji Validitas: pengujian ketepatan atau kecermatan suatu instrument dalam pengukuran
- Valid berarti instrument tersebut dapat digunakan untuk mengukur apa yang seharusnya diukur, valid menunjukkan derajat ketepatan antara data yang sesungguhnya terjadi pada objek dengan data yang dapat dikumpulkan peneliti
- Acuan yang digunakan: perbandingan antara nilai  $r$  hitung dengan  $r$  tabel (most common:  $r$  pearson correlation)
- Jika  $r$  hitung lebih besar dari  $r$  tabel maka pertanyaan tersebut dinyatakan valid

# Correlation Coefficient

Correlation coefficient formulas are used to find how strong a relationship is between data. The formulas return a value between -1 and 1, where:

- 1 indicates a strong positive relationship.
- -1 indicates a strong negative relationship.
- A result of zero indicates no relationship at all.



# Formula

$$r = \frac{n(\sum xy) - (\sum x)(\sum y)}{\sqrt{[n\sum x^2 - (\sum x)^2][n\sum y^2 - (\sum y)^2]}} = 0.529809$$

| Subject | Age (X) | Glucose (Y) | XY    | X <sup>2</sup> | Y <sup>2</sup> |
|---------|---------|-------------|-------|----------------|----------------|
| 1       | 43      | 99          | 4257  | 1849           | 9801           |
| 2       | 21      | 65          | 1365  | 441            | 4225           |
| 3       | 25      | 79          | 1975  | 625            | 6241           |
| 4       | 42      | 75          | 3150  | 1764           | 5625           |
| 5       | 57      | 87          | 4959  | 3249           | 7569           |
| 6       | 59      | 81          | 4779  | 3481           | 6561           |
| Σ       | 247     | 486         | 20485 | 11409          | 40022          |

# Uji Realibilitas

- Reliabilitas/Kehandalan: tingkat konsistensi relatif sebuah item instrumen penelitian apabila digunakan untuk mengukur gejala yang sama (Putka and Sackett, 2010)
- **Mengukur konsistensi dari pengukuran yang dilakukan**
- Pengukuran dilakukan dengan melihat nilai **cronbach's alpha**. Jika nilai cronbach's alpha lebih besar dari 0.6 maka dapat dinyatakan pertanyaan tersebut reliabel.



# Formula Cronbach's Alpha

$$\alpha = \frac{N \cdot \bar{c}}{\bar{v} + (N - 1) \cdot \bar{c}}$$

$N$  = the number of items

$\bar{c}$  = average covariance between item-pairs

$\bar{v}$  = average variance

Salkin, 2015

| <b>Cronbach's Alpha</b> | <b>Internal Consistency</b> |
|-------------------------|-----------------------------|
| $\alpha \geq 0.9$       | Excellent                   |
| $0.9 > \alpha \geq 0.8$ | Good                        |
| $0.8 > \alpha \geq 0.7$ | Acceptable                  |
| $0.7 > \alpha \geq 0.6$ | Questionable                |
| $0.6 > \alpha \geq 0.5$ | Poor                        |
| $0.5 > \alpha$          | Unacceptable                |

# Dahlan et al. (2014)

| Scala Cronbach Alpha | Keterangan            |
|----------------------|-----------------------|
| 0.81 – 1.00          | Sangat Reliabel       |
| 0.61 – 0.80          | Reliabel              |
| 0.42 – 0.60          | Cukup Reliabel        |
| 0.21 – 0.41          | Tidak Reliabel        |
| 0.00 – 0.20          | Sangat Tidak Reliabel |

# Contoh penggunaan

- Kuesioner IKM\_inex.xlsx
- Google Form/Survey monkey
- Uji validitas & reliabilitas

## Syntax Stata

```
#Buka stata
#Clear all, clearing all command before

clear all

#Set more off, nambah kapasitas running
set more off

#Close a log if any is open and do nothing if no log is open
capture log close

#Input data manual - excel
#Import data dari device
#Import data dari web stata
sysuse dir

#Penamaan label
. label variable jk "Jenis Kelamin"
. label variable usia "Usia Responden"
. label variable fak "Fakultas"

#Statistika deskriptif
. tab jk
. tab usia
. tab fak

#Uji validitas dan reliabilitas
. alpha q1 q2 q3 q4 q5 q6 q7 q8 q9 q10 q11, item

.alpha q*, item

.alpha q*
```

## Tabulasi Data – Responden Internal

| KODE | JK | USIA | Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 |
|------|----|------|----|----|----|----|----|----|----|----|----|-----|-----|
| 1    | 1  | 21   | 3  | 3  | 2  | 3  | 1  | 3  | 1  | 3  | 3  | 4   | 4   |
| 2    | 1  | 22   | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 3  | 3   | 3   |
| 3    | 1  | 20   | 2  | 2  | 2  | 2  | 1  | 2  | 1  | 3  | 3  | 3   | 3   |
| 4    | 1  | 19   | 2  | 1  | 2  | 2  | 1  | 1  | 2  | 3  | 3  | 2   | 2   |
| 5    | 1  | 22   | 2  | 2  | 3  | 4  | 4  | 3  | 3  | 4  | 4  | 4   | 4   |
| 6    | 1  | 31   | 2  | 2  | 3  | 2  | 4  | 2  | 2  | 4  | 3  | 3   | 4   |
| 7    | 2  | 18   | 3  | 3  | 3  | 2  | 2  | 2  | 2  | 3  | 3  | 4   | 3   |
| 8    | 2  | 19   | 3  | 3  | 3  | 2  | 2  | 3  | 3  | 3  | 3  | 3   | 3   |

| KODE | JK | USIA | Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 |
|------|----|------|----|----|----|----|----|----|----|----|----|-----|-----|
| 9    | 2  | 19   | 3  | 3  | 2  | 2  | 2  | 2  | 2  | 3  | 3  | 2   | 2   |
| 10   | 2  | 19   | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 3  | 3   | 3   |
| 11   | 2  | 23   | 2  | 2  | 1  | 2  | 4  | 2  | 2  | 4  | 3  | 3   | 3   |
| 12   | 1  | 23   | 2  | 3  | 3  | 3  | 2  | 3  | 2  | 3  | 3  | 3   | 3   |
| 13   | 1  | 21   | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 4   | 3   |
| 14   | 1  | 21   | 3  | 3  | 2  | 2  | 1  | 2  | 2  | 3  | 3  | 3   | 3   |
| 15   | 1  | 22   | 3  | 3  | 2  | 2  | 2  | 2  | 3  | 3  | 3  | 4   | 2   |
| 16   | 1  | 22   | 3  | 3  | 3  | 2  | 2  | 2  | 2  | 3  | 3  | 3   | 3   |
| 17   | 1  | 20   | 3  | 3  | 3  | 2  | 2  | 2  | 3  | 3  | 3  | 3   | 2   |
| 18   | 1  | 32   | 2  | 3  | 2  | 2  | 3  | 3  | 3  | 3  | 3  | 4   | 4   |
| 19   | 1  | 31   | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 4   | 3   |
| 20   | 2  | 22   | 2  | 2  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3   | 3   |
| 21   | 2  | 21   | 3  | 3  | 3  | 2  | 1  | 2  | 3  | 3  | 3  | 4   | 3   |
| 22   | 2  | 22   | 2  | 3  | 2  | 3  | 2  | 2  | 1  | 3  | 3  | 4   | 2   |
| 23   | 2  | 21   | 2  | 3  | 1  | 2  | 1  | 2  | 2  | 4  | 3  | 4   | 3   |
| 24   | 1  | 20   | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 1  | 2   | 4   |
| 25   | 1  | 27   | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 4  | 4  | 4   | 3   |
| 26   | 2  | 22   | 3  | 2  | 3  | 2  | 2  | 2  | 3  | 3  | 3  | 3   | 2   |
| 27   | 2  | 19   | 2  | 2  | 2  | 2  | 3  | 2  | 3  | 3  | 3  | 3   | 3   |
| 28   | 2  | 20   | 2  | 2  | 2  | 3  | 3  | 3  | 3  | 2  | 3  | 3   | 2   |
| 29   | 2  | 20   | 3  | 3  | 2  | 3  | 2  | 3  | 2  | 3  | 2  | 3   | 3   |
| 30   | 2  | 21   | 2  | 2  | 2  | 1  | 4  | 1  | 1  | 3  | 4  | 4   | 2   |
| 31   | 2  | 21   | 2  | 2  | 2  | 3  | 3  | 2  | 3  | 2  | 2  | 2   | 4   |
| 32   | 2  | 20   | 3  | 2  | 2  | 2  | 2  | 2  | 1  | 2  | 2  | 3   | 4   |
| 33   | 2  | 22   | 2  | 2  | 2  | 2  | 2  | 1  | 1  | 2  | 2  | 3   | 4   |
| 34   | 2  | 31   | 2  | 2  | 2  | 2  | 3  | 3  | 3  | 3  | 3  | 3   | 3   |
| 35   | 1  | 20   | 3  | 2  | 2  | 2  | 2  | 3  | 2  | 3  | 3  | 3   | 3   |
| 36   | 1  | 21   | 2  | 3  | 2  | 2  | 2  | 3  | 2  | 3  | 3  | 4   | 3   |
| 37   | 1  | 21   | 3  | 3  | 2  | 3  | 4  | 4  | 3  | 3  | 3  | 4   | 3   |
| 38   | 2  | 20   | 3  | 2  | 3  | 3  | 4  | 3  | 3  | 3  | 3  | 4   | 3   |
| 39   | 2  | 20   | 1  | 1  | 2  | 2  | 2  | 3  | 2  | 3  | 3  | 4   | 3   |
| 40   | 2  | 21   | 1  | 2  | 2  | 2  | 1  | 2  | 3  | 2  | 3  | 2   | 2   |
| 41   | 2  | 20   | 1  | 1  | 1  | 1  | 2  | 2  | 2  | 3  | 3  | 4   | 3   |
| 42   | 2  | 22   | 3  | 3  | 3  | 3  | 2  | 3  | 2  | 3  | 3  | 4   | 3   |
| 43   | 2  | 21   | 3  | 3  | 3  | 3  | 2  | 4  | 3  | 3  | 3  | 4   | 3   |
| 44   | 1  | 21   | 3  | 3  | 2  | 3  | 3  | 4  | 3  | 3  | 3  | 4   | 3   |
| 45   | 1  | 21   | 2  | 2  | 2  | 3  | 3  | 4  | 4  | 4  | 3  | 3   | 4   |
| 46   | 1  | 21   | 2  | 3  | 2  | 2  | 2  | 3  | 2  | 3  | 3  | 3   | 4   |
| 47   | 1  | 21   | 3  | 3  | 3  | 2  | 3  | 3  | 2  | 3  | 3  | 3   | 4   |
| 48   | 1  | 21   | 3  | 3  | 3  | 2  | 3  | 3  | 3  | 4  | 4  | 4   | 2   |
| 49   | 1  | 21   | 2  | 2  | 2  | 3  | 3  | 3  | 3  | 3  | 3  | 4   | 3   |
| 50   | 1  | 23   | 3  | 2  | 3  | 2  | 3  | 3  | 3  | 4  | 3  | 3   | 3   |
| 51   | 1  | 20   | 3  | 3  | 2  | 2  | 1  | 2  | 2  | 3  | 3  | 3   | 2   |
| 52   | 1  | 21   | 3  | 3  | 3  | 3  | 2  | 3  | 3  | 3  | 3  | 3   | 3   |

| KODE | JK | USIA | Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 |
|------|----|------|----|----|----|----|----|----|----|----|----|-----|-----|
| 53   | 1  | 27   | 3  | 3  | 2  | 3  | 3  | 3  | 3  | 3  | 3  | 4   | 3   |
| 54   | 2  | 30   | 3  | 3  | 3  | 3  | 4  | 3  | 3  | 3  | 3  | 4   | 4   |
| 55   | 1  | 20   | 3  | 2  | 2  | 2  | 1  | 3  | 1  | 3  | 3  | 2   | 2   |
| 56   | 1  | 19   | 3  | 3  | 2  | 2  | 3  | 3  | 1  | 3  | 3  | 3   | 3   |
| 57   | 1  | 21   | 3  | 3  | 3  | 3  | 1  | 2  | 2  | 3  | 3  | 3   | 3   |
| 58   | 1  | 18   | 3  | 3  | 2  | 2  | 1  | 1  | 3  | 1  | 2  | 1   | 2   |
| 59   | 1  | 20   | 2  | 2  | 3  | 2  | 3  | 2  | 1  | 2  | 2  | 2   | 3   |
| 60   | 2  | 21   | 3  | 3  | 3  | 2  | 1  | 2  | 2  | 3  | 3  | 3   | 3   |
| 61   | 2  | 19   | 3  | 3  | 2  | 3  | 1  | 3  | 1  | 2  | 3  | 3   | 2   |
| 62   | 2  | 23   | 3  | 2  | 2  | 2  | 2  | 2  | 2  | 3  | 3  | 3   | 3   |
| 63   | 2  | 20   | 2  | 2  | 2  | 3  | 3  | 3  | 3  | 2  | 3  | 4   | 3   |
| 64   | 1  | 19   | 3  | 3  | 3  | 3  | 3  | 4  | 3  | 3  | 4  | 3   | 1   |
| 65   | 1  | 20   | 3  | 1  | 3  | 2  | 4  | 3  | 4  | 2  | 3  | 4   | 4   |
| 66   | 1  | 20   | 3  | 2  | 3  | 3  | 3  | 2  | 2  | 3  | 3  | 4   | 2   |
| 67   | 1  | 20   | 3  | 3  | 2  | 3  | 3  | 3  | 2  | 2  | 3  | 4   | 2   |
| 68   | 1  | 19   | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 4  | 3  | 4   | 1   |
| 69   | 1  | 21   | 3  | 3  | 2  | 2  | 2  | 3  | 3  | 3  | 3  | 4   | 2   |
| 70   | 1  | 21   | 3  | 3  | 3  | 2  | 1  | 2  | 2  | 3  | 4  | 3   | 3   |
| 71   | 1  | 33   | 3  | 3  | 3  | 3  | 4  | 3  | 4  | 4  | 3  | 3   | 4   |
| 72   | 2  | 21   | 2  | 3  | 3  | 2  | 2  | 2  | 2  | 3  | 3  | 3   | 3   |
| 73   | 2  | 20   | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 4  | 3  | 4   | 3   |
| 74   | 2  | 42   | 3  | 3  | 4  | 4  | 4  | 4  | 3  | 4  | 3  | 4   | 3   |
| 75   | 1  | 20   | 3  | 2  | 2  | 3  | 3  | 3  | 3  | 4  | 3  | 4   | 3   |
| 76   | 1  | 20   | 3  | 4  | 3  | 3  | 4  | 4  | 4  | 4  | 3  | 4   | 4   |
| 77   | 1  | 19   | 3  | 3  | 2  | 2  | 4  | 3  | 2  | 4  | 3  | 3   | 3   |
| 78   | 2  | 20   | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3   | 3   |
| 79   | 2  | 21   | 2  | 2  | 2  | 2  | 3  | 3  | 2  | 3  | 3  | 3   | 3   |
| 80   | 2  | 20   | 3  | 3  | 2  | 2  | 2  | 2  | 2  | 3  | 3  | 3   | 2   |
| 81   | 2  | 20   | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 3  | 3  | 3   | 2   |
| 82   | 2  | 19   | 3  | 3  | 3  | 2  | 1  | 3  | 2  | 3  | 2  | 3   | 4   |
| 83   | 2  | 19   | 2  | 2  | 2  | 2  | 1  | 3  | 2  | 3  | 2  | 2   | 2   |
| 84   | 1  | 20   | 3  | 3  | 3  | 3  | 3  | 4  | 4  | 3  | 3  | 3   | 3   |
| 85   | 1  | 20   | 3  | 3  | 2  | 3  | 1  | 4  | 4  | 3  | 3  | 4   | 3   |
| 86   | 1  | 19   | 3  | 3  | 3  | 3  | 4  | 4  | 4  | 3  | 4  | 4   | 3   |
| 87   | 1  | 20   | 3  | 3  | 3  | 3  | 2  | 3  | 3  | 3  | 3  | 4   | 3   |
| 88   | 1  | 21   | 3  | 3  | 3  | 3  | 3  | 4  | 4  | 3  | 3  | 4   | 3   |
| 89   | 1  | 19   | 4  | 4  | 3  | 3  | 2  | 2  | 3  | 2  | 2  | 3   | 3   |
| 90   | 1  | 28   | 3  | 3  | 3  | 3  | 3  | 4  | 3  | 3  | 4  | 3   | 4   |
| 91   | 2  | 43   | 3  | 2  | 2  | 3  | 3  | 3  | 3  | 2  | 3  | 3   | 2   |
| 92   | 2  | 41   | 2  | 1  | 2  | 3  | 2  | 3  | 4  | 3  | 3  | 3   | 2   |
| 93   | 2  | 22   | 1  | 2  | 2  | 2  | 2  | 2  | 3  | 2  | 2  | 2   | 2   |
| 94   | 2  | 19   | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 3  | 3   | 2   |
| 95   | 2  | 19   | 3  | 3  | 3  | 2  | 2  | 3  | 1  | 2  | 2  | 2   | 2   |
| 96   | 2  | 66   | 2  | 3  | 4  | 4  | 3  | 3  | 3  | 3  | 4  | 4   | 4   |

| KODE | JK | USIA | Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 |
|------|----|------|----|----|----|----|----|----|----|----|----|-----|-----|
| 97   | 1  | 21   | 3  | 3  | 3  | 2  | 2  | 3  | 3  | 3  | 3  | 3   | 3   |
| 98   | 2  | 18   | 3  | 3  | 3  | 3  | 3  | 2  | 2  | 3  | 3  | 4   | 3   |
| 99   | 2  | 19   | 2  | 2  | 2  | 2  | 2  | 4  | 2  | 3  | 3  | 3   | 2   |
| 100  | 2  | 19   | 3  | 3  | 2  | 3  | 2  | 2  | 2  | 2  | 3  | 3   | 2   |
| 101  | 2  | 19   | 3  | 3  | 2  | 2  | 2  | 2  | 1  | 3  | 3  | 4   | 2   |
| 102  | 2  | 21   | 3  | 3  | 3  | 2  | 3  | 3  | 2  | 3  | 3  | 3   | 3   |
| 103  | 2  | 19   | 3  | 3  | 3  | 2  | 2  | 3  | 2  | 3  | 3  | 4   | 3   |
| 104  | 2  | 19   | 3  | 3  | 4  | 3  | 2  | 3  | 3  | 4  | 3  | 3   | 3   |
| 105  | 2  | 19   | 3  | 3  | 3  | 3  | 2  | 2  | 2  | 3  | 3  | 3   | 3   |
| 106  | 1  | 20   | 2  | 3  | 3  | 2  | 1  | 3  | 2  | 3  | 3  | 3   | 3   |
| 107  | 1  | 20   | 2  | 2  | 3  | 3  | 1  | 2  | 2  | 3  | 4  | 4   | 3   |
| 108  | 1  | 19   | 3  | 3  | 3  | 3  | 4  | 4  | 3  | 3  | 3  | 4   | 3   |
| 109  | 1  | 20   | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 4   | 4   |
| 110  | 2  | 19   | 3  | 3  | 3  | 3  | 3  | 2  | 2  | 2  | 2  | 3   | 2   |
| 111  | 2  | 19   | 3  | 3  | 3  | 2  | 3  | 3  | 3  | 2  | 2  | 3   | 3   |
| 112  | 2  | 20   | 3  | 3  | 2  | 2  | 2  | 3  | 2  | 2  | 3  | 3   | 2   |
| 113  | 2  | 21   | 3  | 3  | 3  | 2  | 3  | 3  | 3  | 3  | 3  | 3   | 3   |
| 114  | 2  | 19   | 2  | 3  | 3  | 3  | 2  | 3  | 2  | 2  | 3  | 3   | 3   |
| 115  | 2  | 22   | 2  | 2  | 2  | 2  | 2  | 3  | 2  | 3  | 2  | 3   | 2   |
| 116  | 2  | 19   | 3  | 3  | 3  | 3  | 4  | 4  | 3  | 3  | 3  | 4   | 3   |
| 117  | 2  | 19   | 3  | 3  | 3  | 2  | 2  | 3  | 2  | 3  | 3  | 3   | 2   |
| 118  | 2  | 19   | 3  | 3  | 2  | 3  | 2  | 4  | 2  | 3  | 3  | 3   | 3   |
| 119  | 2  | 21   | 3  | 3  | 3  | 3  | 1  | 2  | 2  | 3  | 3  | 4   | 2   |
| 120  | 2  | 21   | 2  | 2  | 2  | 2  | 1  | 3  | 3  | 4  | 3  | 3   | 2   |
| 121  | 2  | 20   | 3  | 3  | 3  | 2  | 3  | 3  | 4  | 3  | 3  | 4   | 3   |
| 122  | 2  | 21   | 3  | 3  | 2  | 1  | 4  | 4  | 3  | 4  | 4  | 3   | 4   |
| 123  | 2  | 19   | 3  | 3  | 2  | 1  | 1  | 3  | 3  | 4  | 3  | 3   | 2   |
| 124  | 1  | 19   | 3  | 2  | 3  | 3  | 4  | 2  | 2  | 3  | 2  | 2   | 2   |
| 125  | 1  | 21   | 3  | 3  | 2  | 4  | 4  | 3  | 3  | 4  | 4  | 4   | 3   |
| 126  | 1  | 25   | 2  | 2  | 3  | 3  | 2  | 2  | 3  | 3  | 3  | 4   | 3   |
| 127  | 2  | 19   | 3  | 3  | 3  | 3  | 3  | 2  | 3  | 3  | 3  | 4   | 3   |
| 128  | 2  | 19   | 3  | 3  | 2  | 2  | 3  | 2  | 2  | 3  | 3  | 3   | 2   |
| 129  | 2  | 20   | 3  | 3  | 3  | 2  | 3  | 3  | 2  | 3  | 2  | 3   | 2   |
| 130  | 2  | 21   | 3  | 3  | 3  | 3  | 3  | 3  | 2  | 3  | 3  | 3   | 2   |
| 131  | 2  | 21   | 3  | 2  | 2  | 2  | 4  | 3  | 3  | 3  | 3  | 4   | 3   |
| 132  | 2  | 21   | 2  | 3  | 2  | 2  | 1  | 2  | 2  | 3  | 3  | 3   | 3   |
| 133  | 1  | 21   | 3  | 3  | 3  | 4  | 2  | 4  | 4  | 3  | 3  | 3   | 3   |
| 134  | 1  | 20   | 2  | 2  | 2  | 3  | 1  | 2  | 3  | 2  | 3  | 3   | 3   |
| 135  | 1  | 20   | 3  | 3  | 2  | 2  | 1  | 2  | 2  | 2  | 2  | 2   | 1   |
| 136  | 1  | 21   | 3  | 3  | 2  | 4  | 3  | 3  | 3  | 4  | 3  | 4   | 4   |
| 137  | 1  | 19   | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 3   | 2   |
| 138  | 1  | 20   | 2  | 2  | 2  | 2  | 2  | 3  | 3  | 3  | 3  | 3   | 2   |
| 139  | 2  | 21   | 3  | 4  | 3  | 3  | 4  | 2  | 2  | 3  | 3  | 3   | 3   |
| 140  | 2  | 19   | 3  | 3  | 2  | 4  | 1  | 3  | 3  | 3  | 3  | 4   | 2   |



| KODE | JK | USIA | Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 |
|------|----|------|----|----|----|----|----|----|----|----|----|-----|-----|
| 141  | 1  | 23   | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3   | 3   |
| 142  | 2  | 43   | 2  | 1  | 2  | 3  | 2  | 2  | 2  | 3  | 3  | 3   | 2   |
| 143  | 2  | 41   | 3  | 2  | 2  | 2  | 3  | 3  | 3  | 2  | 3  | 3   | 2   |
| 144  | 1  | 19   | 3  | 2  | 3  | 3  | 4  | 2  | 2  | 3  | 2  | 2   | 2   |
| 145  | 2  | 19   | 3  | 3  | 3  | 3  | 3  | 2  | 3  | 3  | 3  | 4   | 3   |
| 146  | 2  | 19   | 3  | 3  | 3  | 2  | 3  | 2  | 2  | 3  | 3  | 3   | 2   |
| 147  | 2  | 20   | 3  | 3  | 3  | 2  | 3  | 3  | 2  | 3  | 3  | 3   | 2   |
| 148  | 2  | 21   | 3  | 3  | 3  | 2  | 3  | 3  | 2  | 3  | 3  | 3   | 2   |
| 149  | 1  | 21   | 3  | 3  | 2  | 4  | 4  | 3  | 3  | 4  | 4  | 4   | 3   |
| 150  | 2  | 21   | 3  | 2  | 3  | 2  | 4  | 3  | 3  | 3  | 3  | 4   | 3   |
| 151  | 2  | 21   | 2  | 3  | 2  | 2  | 1  | 2  | 2  | 3  | 3  | 3   | 3   |
| 152  | 1  | 25   | 2  | 2  | 3  | 3  | 2  | 2  | 3  | 3  | 3  | 4   | 3   |
| 153  | 1  | 21   | 3  | 3  | 2  | 3  | 3  | 4  | 3  | 3  | 3  | 4   | 3   |
| 154  | 1  | 21   | 3  | 2  | 2  | 3  | 3  | 4  | 4  | 4  | 3  | 3   | 4   |
| 155  | 1  | 21   | 2  | 3  | 2  | 2  | 2  | 3  | 2  | 3  | 3  | 3   | 4   |
| 156  | 1  | 21   | 3  | 3  | 3  | 2  | 3  | 3  | 2  | 3  | 3  | 3   | 4   |
| 157  | 1  | 21   | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 4  | 4  | 4   | 3   |
| 158  | 1  | 21   | 2  | 2  | 2  | 3  | 3  | 3  | 3  | 3  | 3  | 4   | 3   |
| 159  | 1  | 23   | 3  | 2  | 3  | 2  | 3  | 3  | 3  | 4  | 3  | 3   | 3   |
| 160  | 1  | 20   | 3  | 3  | 2  | 2  | 1  | 2  | 2  | 3  | 3  | 3   | 2   |
| 161  | 1  | 21   | 3  | 3  | 3  | 2  | 3  | 3  | 2  | 3  | 3  | 3   | 3   |
| 162  | 1  | 21   | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 4   | 3   |
| 163  | 2  | 22   | 2  | 2  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3   | 3   |
| 164  | 2  | 21   | 3  | 3  | 3  | 2  | 1  | 2  | 3  | 3  | 3  | 4   | 3   |
| 165  | 1  | 21   | 3  | 3  | 2  | 2  | 1  | 2  | 2  | 3  | 3  | 3   | 3   |
| 166  | 1  | 22   | 3  | 3  | 2  | 2  | 2  | 2  | 3  | 3  | 3  | 4   | 2   |
| 167  | 1  | 22   | 3  | 3  | 3  | 2  | 2  | 2  | 3  | 3  | 3  | 3   | 3   |
| 168  | 2  | 22   | 2  | 3  | 2  | 3  | 2  | 2  | 1  | 3  | 3  | 4   | 2   |
| 169  | 1  | 20   | 3  | 3  | 3  | 2  | 2  | 2  | 3  | 3  | 3  | 3   | 2   |
| 170  | 2  | 21   | 2  | 2  | 2  | 2  | 1  | 3  | 2  | 4  | 3  | 4   | 2   |
| 171  | 1  | 20   | 3  | 3  | 3  | 3  | 3  | 4  | 4  | 3  | 3  | 4   | 3   |
| 172  | 1  | 21   | 3  | 3  | 2  | 2  | 1  | 4  | 4  | 3  | 3  | 4   | 3   |
| 173  | 1  | 20   | 3  | 3  | 3  | 3  | 4  | 4  | 4  | 3  | 4  | 4   | 3   |
| 174  | 2  | 23   | 1  | 2  | 2  | 2  | 2  | 2  | 3  | 2  | 2  | 2   | 2   |
| 175  | 1  | 21   | 3  | 3  | 3  | 3  | 2  | 3  | 3  | 3  | 3  | 4   | 3   |
| 176  | 2  | 21   | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 3  | 3   | 2   |
| 177  | 2  | 21   | 3  | 3  | 2  | 3  | 2  | 3  | 3  | 3  | 3  | 3   | 4   |
| 178  | 1  | 23   | 3  | 3  | 2  | 2  | 2  | 2  | 2  | 2  | 3  | 3   | 3   |
| 179  | 1  | 21   | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 3   | 2   |
| 180  | 1  | 20   | 4  | 4  | 3  | 3  | 2  | 2  | 3  | 2  | 2  | 3   | 3   |
| 181  | 1  | 22   | 3  | 3  | 3  | 2  | 2  | 3  | 3  | 3  | 3  | 3   | 2   |
| 182  | 1  | 21   | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 4   | 3   |
| 183  | 1  | 21   | 3  | 4  | 3  | 3  | 4  | 3  | 3  | 3  | 4  | 4   | 3   |
| 184  | 1  | 23   | 3  | 3  | 2  | 2  | 2  | 2  | 3  | 3  | 3  | 4   | 3   |

| KODE | JK | USIA | Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 |
|------|----|------|----|----|----|----|----|----|----|----|----|-----|-----|
| 185  | 1  | 21   | 3  | 3  | 2  | 2  | 3  | 2  | 2  | 3  | 3  | 4   | 3   |
| 186  | 1  | 25   | 3  | 3  | 2  | 2  | 3  | 2  | 2  | 3  | 2  | 3   | 2   |
| 187  | 2  | 20   | 3  | 3  | 3  | 3  | 2  | 3  | 2  | 3  | 3  | 3   | 3   |
| 188  | 2  | 19   | 3  | 3  | 3  | 2  | 2  | 2  | 2  | 3  | 3  | 4   | 3   |
| 189  | 1  | 21   | 3  | 3  | 3  | 4  | 3  | 4  | 3  | 3  | 3  | 4   | 3   |
| 190  | 1  | 21   | 3  | 3  | 3  | 2  | 2  | 3  | 3  | 3  | 3  | 3   | 3   |
| 191  | 1  | 20   | 2  | 2  | 2  | 2  | 1  | 2  | 3  | 2  | 3  | 3   | 3   |
| 192  | 2  | 20   | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3   | 3   |
| 193  | 1  | 20   | 2  | 3  | 2  | 2  | 1  | 2  | 2  | 2  | 3  | 2   | 1   |
| 194  | 2  | 20   | 3  | 3  | 2  | 2  | 2  | 2  | 2  | 3  | 3  | 2   | 2   |
| 195  | 1  | 22   | 3  | 3  | 2  | 3  | 1  | 2  | 1  | 3  | 3  | 4   | 4   |
| 196  | 2  | 20   | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 3  | 3   | 3   |
| 197  | 1  | 21   | 3  | 3  | 3  | 4  | 3  | 3  | 3  | 4  | 4  | 4   | 4   |
| 198  | 1  | 23   | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 3  | 3   | 3   |
| 199  | 1  | 21   | 2  | 2  | 2  | 2  | 1  | 2  | 1  | 3  | 3  | 3   | 3   |
| 200  | 2  | 21   | 3  | 3  | 4  | 3  | 1  | 2  | 2  | 3  | 2  | 4   | 2   |
| 201  | 1  | 20   | 2  | 1  | 2  | 2  | 1  | 1  | 2  | 3  | 3  | 2   | 2   |
| 202  | 1  | 19   | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 3   | 2   |
| 203  | 1  | 23   | 2  | 3  | 3  | 4  | 4  | 3  | 3  | 4  | 4  | 4   | 4   |
| 204  | 1  | 20   | 2  | 2  | 2  | 2  | 2  | 3  | 3  | 3  | 3  | 3   | 2   |
| 205  | 2  | 19   | 3  | 3  | 3  | 3  | 2  | 3  | 3  | 4  | 3  | 3   | 2   |
| 206  | 2  | 22   | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 3  | 2  | 3   | 2   |
| 207  | 2  | 19   | 3  | 3  | 3  | 3  | 4  | 4  | 3  | 3  | 3  | 4   | 3   |
| 208  | 2  | 19   | 3  | 3  | 3  | 3  | 2  | 3  | 3  | 3  | 3  | 3   | 2   |
| 209  | 2  | 19   | 3  | 3  | 2  | 3  | 2  | 4  | 2  | 3  | 3  | 3   | 2   |
| 210  | 2  | 21   | 3  | 3  | 2  | 3  | 1  | 2  | 2  | 3  | 3  | 4   | 2   |
| 211  | 2  | 21   | 3  | 3  | 2  | 3  | 1  | 2  | 2  | 3  | 3  | 4   | 2   |
| 212  | 2  | 20   | 3  | 3  | 3  | 3  | 3  | 3  | 4  | 4  | 4  | 4   | 3   |
| 213  | 2  | 21   | 3  | 3  | 2  | 1  | 4  | 4  | 3  | 4  | 4  | 4   | 4   |
| 214  | 2  | 19   | 3  | 3  | 2  | 1  | 1  | 3  | 3  | 4  | 3  | 3   | 2   |
| 215  | 2  | 21   | 2  | 3  | 3  | 2  | 2  | 2  | 2  | 3  | 3  | 3   | 3   |
| 216  | 1  | 19   | 3  | 3  | 3  | 3  | 3  | 4  | 3  | 3  | 4  | 4   | 1   |
| 217  | 1  | 20   | 3  | 1  | 3  | 1  | 4  | 3  | 4  | 2  | 3  | 4   | 4   |
| 218  | 1  | 20   | 3  | 2  | 3  | 3  | 3  | 2  | 2  | 3  | 3  | 4   | 2   |
| 219  | 1  | 20   | 3  | 3  | 2  | 3  | 3  | 3  | 2  | 2  | 3  | 4   | 2   |
| 220  | 1  | 19   | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 4  | 3  | 4   | 1   |
| 221  | 1  | 21   | 3  | 3  | 3  | 2  | 3  | 2  | 2  | 2  | 2  | 3   | 1   |
| 222  | 1  | 21   | 3  | 3  | 3  | 2  | 1  | 2  | 2  | 3  | 4  | 4   | 3   |
| 223  | 2  | 20   | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 4  | 3  | 4   | 3   |
| 224  | 1  | 20   | 3  | 2  | 2  | 2  | 2  | 3  | 2  | 3  | 3  | 3   | 3   |
| 225  | 2  | 20   | 3  | 2  | 3  | 3  | 4  | 3  | 3  | 3  | 3  | 4   | 3   |
| 226  | 2  | 20   | 1  | 1  | 2  | 2  | 2  | 3  | 2  | 3  | 3  | 4   | 3   |
| 227  | 2  | 21   | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 3  | 3   | 3   |
| 228  | 1  | 20   | 1  | 1  | 1  | 2  | 2  | 2  | 2  | 3  | 3  | 4   | 3   |

| KODE | JK | USIA | Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 |
|------|----|------|----|----|----|----|----|----|----|----|----|-----|-----|
| 229  | 2  | 22   | 2  | 2  | 2  | 3  | 2  | 2  | 2  | 3  | 3  | 4   | 3   |
| 230  | 1  | 21   | 2  | 3  | 2  | 2  | 2  | 3  | 2  | 3  | 3  | 4   | 3   |
| 231  | 2  | 21   | 3  | 3  | 3  | 3  | 2  | 4  | 3  | 3  | 3  | 4   | 3   |
| 232  | 1  | 21   | 3  | 3  | 2  | 3  | 4  | 4  | 3  | 3  | 3  | 4   | 3   |
| 233  | 2  | 21   | 3  | 3  | 3  | 3  | 3  | 3  | 2  | 3  | 3  | 3   | 3   |
| 234  | 1  | 20   | 4  | 2  | 2  | 3  | 1  | 3  | 3  | 2  | 3  | 3   | 3   |
| 235  | 2  | 19   | 3  | 2  | 2  | 2  | 1  | 3  | 1  | 2  | 2  | 3   | 1   |
| 236  | 2  | 23   | 3  | 2  | 2  | 3  | 2  | 3  | 3  | 4  | 2  | 3   | 4   |
| 237  | 2  | 20   | 3  | 3  | 3  | 3  | 3  | 3  | 4  | 3  | 3  | 4   | 3   |
| 238  | 1  | 19   | 3  | 3  | 2  | 2  | 2  | 2  | 3  | 3  | 3  | 3   | 3   |
| 239  | 1  | 18   | 2  | 3  | 2  | 1  | 1  | 1  | 2  | 1  | 2  | 1   | 2   |
| 240  | 1  | 20   | 2  | 2  | 3  | 2  | 3  | 3  | 2  | 2  | 2  | 2   | 2   |
| 241  | 2  | 22   | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3   | 3   |
| 242  | 2  | 19   | 3  | 3  | 3  | 3  | 2  | 3  | 3  | 3  | 3  | 3   | 3   |
| 243  | 2  | 20   | 3  | 3  | 2  | 2  | 3  | 2  | 2  | 3  | 3  | 3   | 3   |
| 244  | 2  | 20   | 3  | 4  | 3  | 3  | 2  | 3  | 3  | 3  | 3  | 4   | 3   |
| 245  | 2  | 21   | 2  | 2  | 2  | 1  | 4  | 1  | 1  | 3  | 4  | 4   | 2   |
| 246  | 2  | 21   | 2  | 2  | 2  | 3  | 2  | 2  | 3  | 2  | 2  | 2   | 4   |
| 247  | 1  | 20   | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2   | 4   |
| 248  | 2  | 22   | 2  | 2  | 2  | 2  | 2  | 1  | 1  | 2  | 2  | 3   | 4   |
| 249  | 2  | 20   | 3  | 2  | 2  | 2  | 2  | 1  | 1  | 2  | 1  | 3   | 4   |
| 250  | 1  | 31   | 2  | 2  | 3  | 2  | 4  | 2  | 2  | 4  | 3  | 3   | 3   |
| 251  | 1  | 32   | 3  | 3  | 2  | 2  | 3  | 3  | 2  | 3  | 3  | 4   | 4   |
| 252  | 2  | 23   | 2  | 1  | 1  | 1  | 4  | 2  | 3  | 3  | 4  | 3   | 3   |
| 253  | 1  | 31   | 3  | 2  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3   | 3   |
| 254  | 1  | 33   | 3  | 3  | 3  | 3  | 4  | 3  | 4  | 4  | 3  | 3   | 4   |
| 255  | 2  | 42   | 3  | 3  | 4  | 4  | 4  | 4  | 3  | 4  | 3  | 4   | 3   |
| 256  | 1  | 27   | 3  | 3  | 1  | 2  | 3  | 3  | 3  | 3  | 3  | 4   | 3   |
| 257  | 2  | 30   | 3  | 3  | 3  | 4  | 4  | 3  | 3  | 3  | 3  | 4   | 4   |
| 258  | 2  | 31   | 2  | 2  | 2  | 2  | 3  | 3  | 3  | 3  | 3  | 3   | 3   |
| 259  | 1  | 27   | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 4  | 4  | 4   | 3   |
| 260  | 1  | 28   | 3  | 3  | 3  | 3  | 3  | 4  | 3  | 3  | 4  | 4   | 3   |
| 261  | 2  | 66   | 2  | 3  | 4  | 4  | 3  | 3  | 2  | 3  | 4  | 4   | 4   |
| 262  | 2  | 19   | 3  | 3  | 3  | 3  | 3  | 2  | 2  | 2  | 3  | 3   | 2   |
| 263  | 2  | 19   | 3  | 3  | 3  | 2  | 3  | 3  | 3  | 2  | 2  | 3   | 3   |
| 264  | 2  | 20   | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3   | 2   |
| 265  | 2  | 21   | 3  | 3  | 3  | 2  | 3  | 3  | 3  | 3  | 3  | 4   | 3   |
| 266  | 2  | 19   | 2  | 3  | 3  | 3  | 2  | 3  | 2  | 2  | 3  | 3   | 2   |
| 267  | 1  | 20   | 2  | 3  | 3  | 2  | 2  | 3  | 2  | 3  | 3  | 3   | 3   |
| 268  | 1  | 20   | 2  | 2  | 3  | 3  | 2  | 2  | 2  | 3  | 4  | 4   | 3   |
| 269  | 1  | 19   | 3  | 3  | 3  | 2  | 4  | 4  | 3  | 3  | 3  | 4   | 3   |
| 270  | 1  | 20   | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 4   | 4   |
| 271  | 1  | 20   | 3  | 2  | 3  | 3  | 3  | 3  | 3  | 4  | 3  | 4   | 3   |
| 272  | 2  | 20   | 3  | 3  | 3  | 2  | 3  | 3  | 3  | 3  | 3  | 3   | 3   |

| KODE | JK | USIA | Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 |
|------|----|------|----|----|----|----|----|----|----|----|----|-----|-----|
| 273  | 2  | 21   | 3  | 2  | 2  | 2  | 3  | 3  | 3  | 4  | 3  | 3   | 3   |
| 274  | 2  | 20   | 3  | 3  | 2  | 2  | 2  | 2  | 2  | 3  | 3  | 3   | 2   |
| 275  | 1  | 20   | 3  | 4  | 3  | 3  | 4  | 4  | 4  | 4  | 3  | 4   | 4   |
| 276  | 2  | 20   | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 3  | 3  | 3   | 2   |
| 277  | 2  | 19   | 3  | 3  | 3  | 3  | 4  | 3  | 2  | 3  | 2  | 3   | 4   |
| 278  | 1  | 19   | 3  | 3  | 2  | 2  | 4  | 3  | 2  | 4  | 3  | 3   | 3   |
| 279  | 2  | 19   | 2  | 2  | 2  | 2  | 1  | 3  | 2  | 3  | 2  | 2   | 2   |
| 280  | 1  | 21   | 3  | 4  | 3  | 4  | 2  | 2  | 2  | 3  | 3  | 3   | 4   |

Tabulasi Data – Responden Eksternal

| KODE | JK | USIA | Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 |
|------|----|------|----|----|----|----|----|----|----|----|----|-----|
| 1    | 1  | 46   | 3  | 3  | 3  | 4  | 3  | 3  | 4  | 4  | 4  | 4   |
| 2    | 2  | 45   | 3  | 3  | 3  | 3  | 3  | 2  | 3  | 3  | 4  | 3   |
| 3    | 1  | 51   | 3  | 3  | 3  | 3  | 3  | 4  | 4  | 3  | 4  | 4   |
| 4    | 1  | 35   | 4  | 4  | 3  | 3  | 4  | 3  | 4  | 4  | 4  | 4   |
| 5    | 1  | 43   | 4  | 4  | 3  | 3  | 3  | 2  | 3  | 3  | 4  | 4   |
| 6    | 1  | 26   | 3  | 3  | 3  | 3  | 3  | 4  | 3  | 3  | 4  | 4   |
| 7    | 2  | 22   | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 4   |
| 8    | 1  | 47   | 3  | 3  | 3  | 2  | 2  | 3  | 3  | 3  | 3  | 4   |
| 9    | 2  | 44   | 3  | 3  | 3  | 4  | 1  | 3  | 3  | 3  | 3  | 4   |
| 10   | 1  | 51   | 3  | 3  | 3  | 2  | 2  | 3  | 3  | 3  | 3  | 4   |
| 11   | 1  | 38   | 3  | 2  | 2  | 2  | 2  | 3  | 3  | 3  | 3  | 4   |
| 12   | 2  | 37   | 3  | 3  | 3  | 4  | 4  | 4  | 3  | 3  | 4  | 4   |
| 13   | 2  | 43   | 3  | 3  | 3  | 3  | 4  | 4  | 3  | 3  | 4  | 4   |
| 14   | 1  | 51   | 2  | 2  | 3  | 3  | 3  | 4  | 3  | 3  | 3  | 4   |
| 15   | 2  | 55   | 3  | 3  | 3  | 4  | 4  | 4  | 4  | 4  | 4  | 3   |
| 16   | 2  | 38   | 3  | 3  | 4  | 4  | 4  | 4  | 4  | 3  | 4  | 4   |
| 17   | 2  | 29   | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 2   |
| 18   | 1  | 35   | 3  | 3  | 3  | 3  | 2  | 2  | 3  | 3  | 3  | 3   |
| 19   | 1  | 33   | 3  | 3  | 3  | 3  | 2  | 2  | 3  | 3  | 3  | 3   |
| 20   | 1  | 37   | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 4  | 3   |
| 21   | 1  | 50   | 2  | 3  | 2  | 2  | 2  | 2  | 2  | 3  | 3  | 2   |
| 22   | 1  | 52   | 3  | 3  | 3  | 2  | 2  | 3  | 3  | 3  | 3  | 3   |
| 23   | 2  | 48   | 3  | 3  | 3  | 3  | 4  | 4  | 3  | 3  | 4  | 4   |
| 24   | 2  | 53   | 3  | 3  | 3  | 4  | 4  | 4  | 4  | 3  | 4  | 3   |
| 25   | 2  | 35   | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 4  | 2   |
| 26   | 2  | 42   | 3  | 3  | 3  | 3  | 2  | 2  | 3  | 3  | 3  | 2   |
| 27   | 1  | 51   | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 4   |
| 28   | 1  | 38   | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 4  | 4  | 4   |
| 29   | 2  | 53   | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 4  | 4   |
| 30   | 1  | 45   | 3  | 3  | 3  | 2  | 3  | 3  | 3  | 3  | 3  | 4   |

| KODE | JK | USIA | Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 |
|------|----|------|----|----|----|----|----|----|----|----|----|-----|
| 31   | 1  | 54   | 4  | 4  | 3  | 3  | 4  | 3  | 4  | 3  | 4  | 4   |
| 32   | 1  | 56   | 2  | 2  | 3  | 2  | 2  | 2  | 2  | 2  | 3  | 2   |
| 33   | 1  | 49   | 4  | 3  | 3  | 4  | 3  | 4  | 3  | 4  | 4  | 4   |
| 34   | 1  | 57   | 3  | 3  | 3  | 3  | 3  | 4  | 3  | 3  | 4  | 3   |
| 35   | 2  | 53   | 3  | 3  | 3  | 2  | 3  | 3  | 3  | 3  | 3  | 3   |
| 36   | 1  | 36   | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3   |
| 37   | 1  | 46   | 3  | 3  | 3  | 3  | 3  | 3  | 4  | 4  | 4  | 4   |
| 38   | 2  | 45   | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3   |
| 39   | 1  | 51   | 3  | 3  | 3  | 3  | 3  | 4  | 4  | 3  | 4  | 4   |
| 40   | 1  | 36   | 4  | 4  | 3  | 3  | 3  | 4  | 3  | 4  | 4  | 3   |
| 41   | 1  | 43   | 3  | 3  | 3  | 2  | 3  | 3  | 3  | 3  | 4  | 4   |
| 42   | 1  | 26   | 3  | 3  | 3  | 3  | 3  | 4  | 3  | 3  | 4  | 4   |
| 43   | 2  | 22   | 3  | 3  | 3  | 2  | 2  | 3  | 3  | 3  | 3  | 4   |
| 44   | 1  | 47   | 3  | 4  | 3  | 4  | 3  | 4  | 3  | 3  | 4  | 4   |
| 45   | 2  | 44   | 3  | 3  | 3  | 4  | 1  | 3  | 4  | 4  | 4  | 4   |
| 46   | 1  | 51   | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 4  | 4   |
| 47   | 1  | 38   | 3  | 3  | 3  | 3  | 3  | 3  | 4  | 4  | 4  | 4   |
| 48   | 2  | 37   | 3  | 3  | 3  | 4  | 4  | 4  | 3  | 3  | 4  | 4   |
| 49   | 2  | 43   | 3  | 3  | 3  | 3  | 4  | 4  | 3  | 3  | 4  | 4   |
| 50   | 1  | 52   | 3  | 3  | 4  | 3  | 4  | 3  | 4  | 3  | 4  | 3   |
| 51   | 2  | 55   | 3  | 3  | 3  | 4  | 4  | 4  | 4  | 4  | 4  | 3   |
| 52   | 2  | 38   | 3  | 3  | 3  | 3  | 4  | 4  | 4  | 3  | 4  | 4   |
| 53   | 2  | 30   | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 2   |
| 54   | 1  | 36   | 3  | 3  | 3  | 2  | 2  | 2  | 3  | 3  | 3  | 3   |
| 55   | 1  | 34   | 3  | 3  | 3  | 2  | 2  | 2  | 3  | 3  | 4  | 3   |
| 56   | 1  | 38   | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 4  | 4   |
| 57   | 1  | 51   | 2  | 3  | 2  | 2  | 2  | 2  | 2  | 3  | 3  | 2   |
| 58   | 1  | 53   | 3  | 3  | 3  | 3  | 3  | 2  | 3  | 3  | 3  | 3   |
| 59   | 1  | 49   | 3  | 3  | 3  | 3  | 4  | 4  | 3  | 3  | 4  | 4   |
| 60   | 2  | 54   | 3  | 3  | 3  | 4  | 4  | 4  | 4  | 3  | 4  | 3   |
| 61   | 2  | 36   | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 4  | 3   |
| 62   | 2  | 43   | 3  | 3  | 3  | 2  | 2  | 3  | 3  | 3  | 3  | 2   |
| 63   | 1  | 51   | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 4   |
| 64   | 1  | 38   | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 4  | 3   |
| 65   | 2  | 53   | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 4  | 4   |
| 66   | 1  | 45   | 3  | 3  | 3  | 2  | 3  | 3  | 3  | 3  | 3  | 4   |
| 67   | 1  | 54   | 4  | 4  | 3  | 4  | 3  | 4  | 4  | 3  | 4  | 4   |
| 68   | 1  | 56   | 2  | 2  | 3  | 2  | 2  | 2  | 2  | 2  | 3  | 2   |
| 69   | 1  | 49   | 4  | 3  | 3  | 4  | 3  | 4  | 3  | 4  | 4  | 4   |
| 70   | 1  | 57   | 3  | 3  | 3  | 3  | 3  | 4  | 3  | 3  | 4  | 3   |
| 71   | 1  | 36   | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3   |
| 72   | 2  | 53   | 3  | 3  | 3  | 2  | 3  | 3  | 3  | 3  | 3  | 3   |