Supplementary Material 1. Acceptance and perception on the Covid-19 vaccination (immunization) in the general population of Malaysia

Section A: Socialdemographics

| Q1 | Date of birth (dd/mm/yyyy) | __/__/_____ |
| Q2 | Sex | □ Male □ Female |
| Q3 | Race | □ Malay □ Chinese □ Indian □ Others: ____________________________ |
| Q4 | Highest education level | □ No formal education □ Primary education (up to standard 6) □ Secondary education (up to form 5) □ Form 6/certificate/diploma/A-level/Pre-university course □ Tertiary education (degree, master, PhD, DrPH) □ Others, please specify: ____________________________ |
| Q5 | Monthly Household Income | □ < MYR 1,000 □ MYR 1,000–MYR 1,999 □ MYR 2,000–MYR 2,999 □ MYR 3,000–MYR 3,999 □ MYR 4,000–MYR 4,999 □ > MYR 5,000 |
| Q6 | Do you live with elderly (60 years old and above) and/or children and/or pregnant women? | □ Yes □ No |
| If "YES" state tick all options that apply | □ Elderly □ Children □ Pregnant women |
| Q7 | Are you a healthcare provider? | □ Yes □ No |
| If "YES", kindly specify | ________________ |
| Q8 | Have you been infected by the COVID-19? | □ Yes □ No |
| If "YES", were you admitted? | □ Yes □ No |
| Q9 | Have any of your family members/friends been infected by COVID-19? | □ Yes □ No |

Section B: Vaccine (immunization) hesitancy
The following questions aim to understand your view regarding vaccines (immunization) in general. Kindly select the option that best reflects your views.

| Q10 | My religion / philosophy/culture recommends against vaccination (immunization). | Strongly disagree | Disagree | Not sure | Agree | Strongly agree |
| Q11 | Some groups or influential people are against vaccination (immunization) for different reasons. In general, do you agree or disagree with these groups of people? | □ | □ | □ | □ | □ |
| Q12 | It is important for me to get the recommended vaccines (immunization) for myself and my children | □ | □ | □ | □ | □ |
| Q13 | Have you ever declined vaccination for your child? | □ Yes □ No □ Not applicable |

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Section C: Perception of risk and severity on COVID-19 pandemic
The questions below are meant to evaluate your risk perception on the COVID-19 pandemic. Kindly score your perceived level of risk.

| Q14 | In your opinion, how likely it is for a Malaysia resident to get infected by COVID-19 during this pandemic? |
|-----|-------------------------------------------------------------------------------------------------|
|     | Very low | Low | Medium | High | Very high |
| Q15 | What level of risk do you think YOU have of catching COVID-19 during this pandemic? |
|     | Very low | Low | Medium | High | Very high |
| Q16 | If you were infected with COVID-19, how seriously do you think it would affect your health? |
|     | Very low | Low | Medium | High | Very high |

Section D: COVID-19 vaccine (immunization) acceptability
This section aims to understand your acceptance towards the COVID-19 Vaccine should it become available today. Please choose the answer(s) that best reflect your thoughts.

Q17 | If a COVID-19 vaccine (immunization) was made available to Malaysia general public for free, would you get vaccinated?  
□ Yes  □ No  □ Unsure

Q17a If you have answered “YES”, kindly answer the following. If the vaccination needs to be taken in stages, what is the maximum acceptable dose for you?  
□ 1  □ 2  □ 3  □ 4  □ It doesn’t matter

Q17b If you have answered “NO” / “UNSURE”, kindly choose ALL that applies  
□ I am afraid of the side effects  
□ I am afraid of pain  
□ I am concerned that the vaccine (immunization) has not been tested adequately.  
□ I am concerned regarding the effectiveness of the vaccine (immunization).  
□ COVID-19 will only cause a mild illness.  
□ I am concerned that taking the COVID-19 vaccine (immunization) will cause me to get the disease.  
□ I think my chances of being infected are low.  
□ Others, please specify: ________________________

Section E: Willingness to pay for COVID-19 vaccine (immunization)
This section aims to understand your willingness to pay for the COVID-19 vaccine under the circumstances of sufficient and limited supply. Kindly input any amount between MYR 0 and MYR1599.

Q18 If today, the COVID-19 vaccine was sufficient for the whole Malaysian population, how much would you be willing to pay for it? MTR

Q19 If today, you were told that there was limited supply of vaccine, how much would you be willing to pay to get it? MYR
Section F: Attitude towards COVID-19 vaccine (immunization)
This section aims to understand your attitude towards the COVID-19 Vaccine, should it become available today. Kindly select the nearest option that reflects your feelings on this.

| Q20 | I can readily accept the mild side effects of the COVID-19 vaccine (immunization) such as minor allergic reactions (e.g. Itchiness, rash), pain, fever and headache. | Strongly disagree | Disagree | Undecided | Agree | Strongly agree |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------|-----------|--------|----------------|
| Q21 | The COVID-19 vaccine will stop the virus transmission.                                                                                                                                                   | ■                 | ■      | ■         | ■      | ■              |
| Q22 | Only high-risk groups such as children, pregnant women, elderly and those with underlying medical conditions needs to be vaccinated with the COVID-19 vaccine.                                                                 | ■                 | ■      | ■         | ■      | ■              |
| Q23 | I am confident in taking the COVID-19 vaccine (immunization) if it is advocated by the Malaysian government.                                                                                               | ■                 | ■      | ■         | ■      | ■              |
| Q24 | The country of origin of the COVID-19 vaccine (immunization) will influence my decision to take it.                                                                                                            | ■                 | ■      | ■         | ■      | ■              |
| Q25 | The COVID-19 vaccine (immunization) needs to be certified “halal” before I will take it.                                                                                                                     | ■                 | ■      | ■         | ■      | ■              |
| Q26 | The cost of the vaccine (immunization) will affect my decision to take it.                                                                                                                               | ■                 | ■      | ■         | ■      | ■              |