Supplementary Materials

Risk Perception of COVID-19 in Indonesia During the First Stage of the Pandemic

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Tabel S1. Association between Knowledge on COVID-19 with Sex, Age, Marital Status and Education (N=1043; %)

| Risk Perception Key Elements | Male | Female | P-value | Early-Late Teens | Early-Late Adults | Early-Late Old | Elderly | P-value | Married | Unmarried | P-value | <=High School | Under Graduate | Graduate | P-value |
|-----------------------------|------|--------|---------|------------------|-------------------|----------------|---------|---------|---------|-----------|--------|-------------|--------------|----------|---------|
| None                        | 3 (0.3) | 2 (0.5) | 1 (0.2) | 0 (0.0) | 2 (0.3) | 1 (0.9) | 0 (0.0) | 3 (0.5) | 0 (0.0) | 0 (0.0) | 2 (0.3) | 1 (0.3) | 0.027 |
| Little                      | 100 (9.6) | 58 (13.6) | 42 (6.8) | 21 (9.1) | 64 (9.2) | 15 (12.9) | 0 (0.0) | 68 (10.2) | 32 (8.5) | 28 (17.3) | 50 (7.9) | 22 (7.2) | 0.161 |
| Average                     | 740 (70.9) | 256 (60.2) | 481 (78.2) | 166 (72.2) | 496 (71.7) | 76 (65.0) | 2 (0.0) | 468 (70.3) | 272 (72.1) | 413 (69.8) | 472 (74.1) | 200 (65.6) | 0.783 |
| Above Average               | 901 (19.4) | 109 (27.2) | 91 (14.8) | 43 (18.7) | 130 (18.9) | 25 (21.4) | 2 (0.0) | 127 (19.1) | 73 (19.4) | 21 (13.0) | 97 (16.8) | 82 (26.9) | 0.027 |
| 2 Source of Information (can choose more than one answer) | | | | | | | | | | | | | |
| Online news                 | 857 (82.2) | 343 (80.7) | 511 (83.1) | 0.366 | 191 (83.9) | 566 (81.8) | 96 (82.1) | 4 (100) | 549 (82.4) | 308 (81.7) | 0.831 | 135 (83.3) | 473 (82.1) | 249 (81.6) | 0.901 |
| Social media                | 889 (85.2) | 358 (84.2) | 529 (86.8) | 0.479 | 201 (87.4) | 581 (89.8) | 103 (88.1) | 4 (100) | 558 (83.9) | 331 (87.8) | 0.966 | 138 (85.9) | 492 (85.5) | 259 (84.9) | 0.980 |
| Television                  | 657 (63.0) | 277 (65.2) | 378 (61.5) | 0.249 | 141 (61.3) | 434 (62.7) | 78 (66.7) | 4 (100) | 414 (62.2) | 243 (64.5) | 0.503 | 101 (62.3) | 356 (61.8) | 200 (65.6) | 0.536 |
| Newspaper                   | 135 (12.9) | 56 (13.6) | 78 (12.7) | 0.889 | 27 (11.7) | 90 (13.0) | 17 (14.5) | 1 (25.0) | 783 (13.5) | 45 (11.9) | 0.527 | 18 (11.1) | 80 (12.9) | 37 (12.1) | 0.572 |
| Radio                       | 98 (9.4) | 37 (8.7) | 60 (9.8) | 0.643 | 19 (8.3) | 71 (10.3) | 8 (6.8) | 0 (0.0) | 66 (9.9) | 32 (8.5) | 0.012 | 6 (4.7) | 66 (11.5) | 26 (8.5) | 0.009 |
| Word of mouth               | 473 (45.3) | 196 (46.1) | 275 (44.7) | 0.702 | 91 (39.6) | 329 (47.5) | 52 (44.4) | 1 (25.0) | 322 (43.8) | 151 (40.1) | 0.042 | 72 (44.4) | 262 (45.5) | 139 (45.6) | 0.968 |
| Others                      | 193 (18.5) | 93 (21.9) | 100 (16.3) | 0.027 | 35 (15.2) | 135 (19.5) | 23 (19.7) | 0 (0.0) | 373 (20.4) | 57 (15.1) | 0.078 | 24 (14.8) | 107 (18.6) | 62 (20.3) | 0.344 |
### Tabel S2: Association between Knowledge on COVID-19 with Physical Contact with Covid-19 patient, Occupation and Residence (N=1043; %)

| Risk Perception Key Elements | Total | Physical contact with COVID-19 patient | Occupation | Residence |
|------------------------------|-------|---------------------------------------|------------|-----------|
|                             | Yes   | No                                    | Not sure   | Civil     | Private Company | Student | Housewife | Others | Jakarta | West Java | East Java | Central Java | South Sulawesi | Banten | Bali | Others | P-value |
| A. Knowledge on COVID-19     | 1     | 0.858                                 | 0.224      | 0.425 |
| Level of knowledge on Covid-19 |       |                                       |            |          |
| None                         | 1     | 3(0.3)                                | 0(0.0)     | 3(0.3)   | 0(0.0)       | 1(0.4) | 1(0.3) | 0(0.0) | 0(0.0) | 1(0.5) | 0(0.0) | 0(0.0)       | 1(1.3) | 0(0.0) | 0(0.0) | 0(0.0) | 0(0.0) | 0(0.0) | 0(0.0) | 0(0.0) |
| Little                       | 2     | 100(9.6)                              | 4(10.5)    | 79(9.2)  | 17(11.7)    | 28(11.0) | 32(10.2) | 10(7.1) | 8(6.8) | 22(10.1) | 16(7.9) | 21(9.9) | 1(2.6) | 17(10.3) | 8(10.3) | 4(6) | 24(13.4) | 9(8.9) |
| Average                      | 3     | 740(70.9)                             | 26(68.4)   | 609(70.8) | 105(72.4)   | 186(73.2) | 209(66.3) | 103(76.3) | 95(67.7) | 147(72.4) | 147(68.9) | 146(78.9) | 30(66.5) | 113(66.7) | 52(74.6) | 50(72.6) | 130(71.3) | 72(69.6) |
| Above Average                | 4     | 200(19.5)                             | 8(21.1)    | 169(19.7) | 23(15.9)    | 39(15.4) | 73(23.2) | 27(19.3) | 14(12.0) | 47(21.7) | 40(19.7) | 45(21.2) | 7(18.4) | 35(21.2) | 17(18.9) | 23(12.8) | 20(19.6) | 35(19.3) |
| Source of Information (can choose more than one answer) | 2     |                                       |            |          |
| Online news                  | 5     | 857(82.2)                             | 31(81.6)   | 714(83)  | 112(72.2)   | 209(82.3) | 252(80.0) | 117(83.6) | 96(82.1) | 183(84.3) | 0.242 | 159(78.3) | 177(81.0) | 34(89.5) | 133(89.1) | 63(80.8) | 54(80.6) | 151(84.4) | 86(85.1) |
| Social media                 | 6     | 889(85.2)                             | 35(89.2)   | 730(84.9) | 124(85.5)   | 222(87.4) | 268(85.1) | 121(86.4) | 99(82.5) | 179(81.8) | 0.468 | 166(81.8) | 177(83.5) | 34(89.5) | 147(84.6) | 166(85.1) | 57(88) | 154(87.1) | 39(61.8) |
| Television                   | 7     | 657(63.0)                             | 26(68.4)   | 541(62.9) | 90(62.1)    | 148(58.3) | 201(63.8) | 88(62.9)  | 73(62.4) | 147(67.7) | 0.765 | 122(60.1) | 147(69.3) | 27(71.1) | 95(57.6) | 52(66.7) | 39(58.2) | 112(62.6) | 63(62.4) |
| Newspaper                    | 8     | 135(12.9)                             | 5(13.2)    | 115(13.4) | 15(10.3)    | 36(14.2) | 38(12.1) | 19(13.6) | 11(9.4) | 31(14.3) | 0.603 | 20(9.9) | 27(12.7) | 4(12.1) | 20(14.2) | 15(19.2) | 9(15.6) | 28(11.9) | 12(5.3) |
| Radio                        | 9     | 98(9.4)                               | 1(2.6)     | 87(10.1)  | 10(6.9)     | 26(10.2) | 31(9.8)  | 11(7.9)  | 9(7.7)  | 21(9.7)  | 0.163 | 14(6.9) | 16(7.5)  | 5(12.1) | 18(10.9) | 8(10.3) | 3(4.5) | 26(14.5) | 8(7.9) |
| Word of mouth                | 10    | 473(45.3)                             | 14(36.8)   | 391(45.5) | 68(46.9)    | 130(51.2) | 142(45.1) | 57(40.7) | 52(44.4) | 92(42.4) | 0.534 | 81(39.9) | 103(48.6) | 16(42.1) | 86(52.1) | 41(52.6) | 25(37.3) | 85(47.5) | 36(35.6) |
| Others                       | 11    | 193(18.5)                             | 8(21.1)    | 161(18.7) | 24(16.6)    | 48(18.9) | 68(21.6) | 17(12.1) | 21(17.9) | 39(18.0) | 0.757 | 159(78.3) | 177(83.5) | 34(89.5) | 133(80.6) | 63(80.8) | 54(80.6) | 151(84.4) | 86(85.1) |

**Value:**
- p-value
Table S3. Association Between Disease Background Information and Sex, Age, Marital Status And Education (N=1043; %)

| Risk Perception Key Elements | Total | Male | Female | P-value | Early-Late Teens | Early-Late Adults | Early-Late Old | Elderly | P-value | Married | Unmarried | P-value | <High School | Under Graduate | Graduate | Education | P-value |
|------------------------------|-------|------|--------|---------|------------------|-------------------|-----------------|---------|---------|---------|-----------|---------|---------|------------|-----------|-----------|---------|
| Disease Background Information | | | | | | | | | | | | | | | | | | | |
| 1 Causal Agent | | | | | | | | | | | | | | | | | | | |
| Virus | 1041 | 424 | 614 | 0.069 | 666 | 375 | 0.130 | 0.345 |
| Bacteria | 2 | 1 | 1 | (0.2) | (0.2) | (0.2) | (0.2) | (0.2) |
| Mode of Transmission | | | | | | | | | | | | | | | | | | | |
| Saliva droplet | 1013 | 415 | 595 | 0.001 | 117 | 4 | 914 | 117 | 4 | (0.2) | (0.2) | (0.2) | (0.2) | (0.2) | (0.2) | (0.2) | (0.2) |
| Contaminated surfaces | 902 | 364 | 535 | 0.287 | 395 | 12 | 121 | 395 | 12 | 0.034 | (0.0) | (0.0) | (0.0) | (0.0) | (0.0) | (0.0) |
| Food-borne | 185 | 86 | 99 | 0.017 | 116 | 69 | 27 | 116 | 69 | <0.001 | 659 | 354 | <0.001 | 152 | 560 | 381 | 0.111 |
| Water-borne | 117 | 58 | 59 | 0.887 | 76 | 41 | 0.872 | 76 | 41 | 0.043 | (11.3) | (11.4) | (11.3) | (11.4) | (11.3) | (11.4) |
| Animal bites | 49 | 24 | 25 | 0.517 | 27 | 22 | 0.249 | 27 | 22 | 0.240 | (6.1) | (4.5) | (4.5) | (6.1) | (4.5) | (4.5) | 0.793 |
| 2 Available Control Measures | | | | | | | | | | | | | | | | | | | |
| Proper hand-washing | 1000 | 401 | 599 | 0.782 | 637 | 363 | 0.735 | 0.853 |
| Wearing a face mask | 988 | 395 | 593 | 0.585 | 632 | 356 | 0.858 | 0.047 |
| Physical distancing | 997 | 395 | 599 | 0.849 | 633 | 364 | 0.326 | 0.611 |
| Staying at home | 958 | 372 | 586 | 0.115 | 637 | 341 | 0.261 | 0.049 |
| Exercise indoor at home | 779 | 298 | 481 | 0.521 | 500 | 279 | 0.758 | 0.007 |
| Consume nutritious food | 914 | 355 | 559 | 0.480 | 588 | 326 | 0.448 | 0.063 |
### Table S4. Association Between Disease Background Information and Physical Contact with Covid-19 patient, Occupation and Residence (N=1043; %)

| Risk Perception Key Elements | Total | Physical contact with COVID-19 patient | Occupation | Residence |
|------------------------------|-------|---------------------------------------|------------|-----------|
|                              |       | Yes (97.1) | No (95.1) | Not sure (92.6) | P-value | Civil Servant (87.8) | Private Company (79.4) | Student (94.7) | Housewife (95.1) | Others (94.7) | P-value | Jakarta (97.2) | West Java (97.0) | East Java (96.7) | Central Java (96.3) | South Sulawesi (96.0) | Banten (97.4) | Bali (96.5) | Others (97.7) | P-value |
| 1 Causative Agent             |       |             |           |                |         |                     |                       |             |                     |                  |         |                     |                       |             |                     |                          |                     |                 |             |         |                     |          |
| Virus                        | 1041  | 38 (100)    | 859 (99.9) | 144 (99.3)     | 0.332  | 0.724               |                     |             |                     |                  |         |                     |                       |             |                     |                          |                     |                 |             |         |                     |          |
| Bacteria                     | 2     | 0 (0.0)     | 1 (0.1)    | 1 (0.7)        |         |                     |                       |             |                     |                  |         |                     |                       |             |                     |                          |                     |                 |             |         |                     |          |
| Mode of Transmission         |       |             |           |                |         |                     |                       |             |                     |                  |         |                     |                       |             |                     |                          |                     |                 |             |         |                     |          |
| Saliva droplet               | 1013  | 38 (100)    | 832 (82.1) | 143 (14.2)     | 0.255  |                     |                       |             |                     |                  |         |                     |                       |             |                     |                          |                     |                 |             |         |                     |          |
| Contaminated surfaces        | 902   | 32 (84.2)   | 743 (86.4) | 127 (13.6)     | 0.850  |                     |                       |             |                     |                  |         |                     |                       |             |                     |                          |                     |                 |             |         |                     |          |
| Food-borne                   | 185   | 10 (26.3)   | 138 (36.0) | 37 (25.5)      | 0.008  |                     |                       |             |                     |                  |         |                     |                       |             |                     |                          |                     |                 |             |         |                     |          |
| Water-borne                  | 117   | 8 (21.1)    | 84 (9.8)   | 25 (17.2)      | 0.005  | 0.823               |                       |             |                     |                  |         |                     |                       |             |                     |                          |                     |                 |             |         |                     |          |
| Animal bites                 | 49    | 3 (7.9)     | 35 (4.1)   | 11 (1.6)       | 0.115  | 0.811               |                       |             |                     |                  |         |                     |                       |             |                     |                          |                     |                 |             |         |                     |          |
| 3 Available Control Measures |       |             |           |                |         |                     |                       |             |                     |                  |         |                     |                       |             |                     |                          |                     |                 |             |         |                     |          |
| Proper hand-washing          | 1000  | 36 (94.7)   | 826 (96)   | 138 (95.2)     | 0.831  |                     |                       |             |                     |                  |         |                     |                       |             |                     |                          |                     |                 |             |         |                     |          |
| Wearing a face mask          | 988   | 35 (92.1)   | 813 (94.5) | 140 (96.6)     | 0.460  |                     |                       |             |                     |                  |         |                     |                       |             |                     |                          |                     |                 |             |         |                     |          |
| Physical distancing          | 997   | 34 (89.5)   | 824 (95.8) | 139 (95.9)     | 0.174  |                     |                       |             |                     |                  |         |                     |                       |             |                     |                          |                     |                 |             |         |                     |          |
| Staying at home              | 958   | 36 (94.7)   | 788 (91.6) | 134 (92.4)     | 0.763  |                     |                       |             |                     |                  |         |                     |                       |             |                     |                          |                     |                 |             |         |                     |          |
| Exercise indoor at home      | 779   | 32 (84.2)   | 640 (74.4) | 107 (73.8)     | 0.383  |                     |                       |             |                     |                  |         |                     |                       |             |                     |                          |                     |                 |             |         |                     |          |
| Consume nutritious food      | 914   | 34 (89.5)   | 755 (87.8) | 125 (86.2)     | 0.814  |                     |                       |             |                     |                  |         |                     |                       |             |                     |                          |                     |                 |             |         |                     | 0.914 |

### P-values
- **0.836**
- **0.283**
- **0.904**
- **0.572**
- **0.611**
- **0.764**
- **0.295**
- **0.263**
- **0.507**
- **0.629**
- **0.71**
- **0.914**
Table S5. Association Between Risk Perception and Sex, Age, Marital Status and Education (N=1043; %)

| Risk Perception Key Elements | Total | P-value | Sex | P-value | Age | P-value | Marital Status | P-value | Education | P-value |
|-----------------------------|-------|---------|-----|---------|-----|---------|----------------|---------|------------|---------|
|                             |       |         | Male | Female | Early-Late Teens | Early-Late Adults | Early-Late Old | Elderly | Married | Unmarried | <<High School | Under Graduate | Graduate |     |
| B. Risk Perception           |       |         |      |        |                 |                     |               |         |          |           |              |                |          |     |
| 1 Anxiety                    |       |         |      |        |                 |                     |               |         |          |           |              |                |          |     |
| Not Anxious                  | 49    | 0.001   | 14  | 29     | 5              | 1                   | 29            | 20     | 6        | 25       | 18           |                | 0.420    |     |
| Quite Anxious                | 323   | 0.005   | 84  | 215    | 23             | 1                   | 186           | 137    | 57       | 182      | 84           |                | 0.289    |     |
| Anxious                      | 448   | 0.026   | 83  | 313    | 51             | 1                   | 300           | 148    | 63       | 242      | 143          |                | 0.209    |     |
| Very Anxious                 | 223   | 0.005   | 49  | 135    | 38             | 1                   | 151           | 72     | 36       | 127      | 60           |                | 0.038    |     |
| Emerging disease             | 791   | 0.002   | 168 | 535    | 84             | 4                   | 506           | 285    | 114      | 424      | 253          |                | 0.923    |     |
| Emerging disease             | 252   | 0.004   | 62  | 157    | 33             | 0                   | 160           | 92     | 48       | 152      | 52           |                | 0.093    |     |
| Severe                       | 387   | 0.007   | 78  | 264    | 43             | 2                   | 244           | 143    | 53       | 221      | 113          |                | 0.309    |     |
| Very severe                  | 416   | 0.007   | 103 | 270    | 43             | 0                   | 265           | 151    | 79       | 217      | 120          |                | 0.327    |     |
| Slightly infectious          | 7     | 0.010   | 5   | 15     | 1              | 0                   | 14            | 7      | 3        | 14       | 4            |                | 0.142    |     |
| Infectious                   | 139   | 0.001   | 39  | 88     | 11             | 1                   | 77            | 62     | 32       | 81       | 26           |                | 0.001    |     |
| Very infectious              | 389   | 0.001   | 189 | 600    | 105            | 3                   | 384           | 313    | 129      | 490      | 278          |                | 0.001    |     |
| Contagious                   | 0.088 | <0.001  | 0.9 | 0.5    | 0              | 0                   | 0.0           | 0.5    | 0.6      | 0.3      | 0.3          |                | 0.309    |     |
| Slow (within weeks)          | 88    | 0.001   | 36  | 42     | 9              | 1                   | 40            | 48     | 21       | 44       | 23           |                | 0.209    |     |
| Quite fast (within days)     | 566   | 0.001   | 117 | 379    | 67             | 3                   | 365           | 201    | 71       | 345      | 150          |                | 0.249    |     |
| Immediately                  | 187   | 0.001   | 75  | 271    | 41             | 0                   | 261           | 126    | 69       | 186      | 132          |                | 0.001    |     |
| Serious                      | 0.017 | <0.001  | 0.0 | 52     | 20             | 0                   | 0.0           | 0.5    | 0.6      | 0.3      | 0.3          |                | 0.001    |     |
| Very serious                 | 764   | 0.001   | 167 | 500    | 94             | 3                   | 495           | 269    | 124      | 414      | 226          |                | 0.615    |     |
| Serious                      | 250   | 0.001   | 52  | 178    | 20             | 0                   | 156           | 94     | 32       | 146      | 72           |                | 0.358    |     |
### Table S6. Association Between Risk Perception and Physical Contact with Covid-19 patient, Occupation and Residence (N=1043; %)

| Risk Perception Key Elements | Total | Physical contact with COVID-19 patient | Occupation | Residency | Education |
|------------------------------|-------|--------------------------------------|------------|-----------|-----------|
|                              |       | Yes | No | Not sure | Civil Servant | Private Company | Student | Housewife | Others | Jakarta | West Java | East Java | Central Java | South Sulawesi | Banten | Bali | Others | P-value |
| Quite Serious                | 25    | 28  | 7  | 12       | 9              | 21              | 9       | 0         | 10     | 4.4      | 7          | 1         | 7             | 4            | 4       | 11    | 0.085 |
| Not serious                  | 4     | 2   | 2  | 0        | 2              | 0               | 0       | 0         | 0      | 0.3      | 0          | 2         | 2             | 0            | 0       | 3     | 0.053 |
| Total Cases                  | 2      | 0.05 | 0.13 | 0.07     | 0.10           | 0.00            | 0.00    | 0.00      | 0.00 | 0.709 | 0.405 | 0.503 |
| 1 Anxiety                    | 0.668 | 0.012 | 0.085 |
| Not Anxious                  | 49    | (4.7) | (5.3) | (4.7) | (4.8) | (3.5) | (6.7) | (6.4) | (0.0) | (4.6) | (4.4) | (3.3) | (2.6) | (4.2) | (1.3) | (4.5) | (6.1) | (9.9) |
| Quite Anxious                | 323   | (31.0) | (34.2) | (32) | (24.1) | (24.8) | (33.0) | (40.7) | (29.1) | (30.0) | (31.0) | (34.4) | (50.0) | (29.7) | (34.6) | (31.3) | (22.3) | (30.7) |
| Anxious                      | 448   | (43.0) | (39.5) | (42.6) | (46.2) | (123) | (48.4) | (41.9) | (33.6) | (47.0) | (46.2) | (42.2) | (40.6) | (39.5) | (44.8) | (43.6) | (50.7) | (46.9) | (34.7) |
| Very Anxious                 | 23    | (21.4) | (21.1) | (20.8) | (24.8) | (59) | (84) | (58) | (33) | (51) | (65) | (46) | (21.7) | (7.9) | (21.2) | (20.5) | (13.4) | (24.6) | (24.8) |
| 2 Newness                    | 0.078 | 0.010 | 0.062 |
| Emerging disease             | 791   | (75.6) | (60.5) | (76.3) | (77.2) | (213) | (83.9) | (72.1) | (76.4) | (70.9) | (74.2) | (72.9) | (73.1) | (91.6) | (69.7) | (83.3) | (86.6) | (77.7) | (79.2) |
| Long existing disease        | 352   | (24.2) | (39.5) | (23.7) | (22.8) | (41) | (9) | (84) | (23.9) | (9) | (37) | (27.1) | (26.9) | (18.4) | (30.3) | (16.7) | (13.4) | (22.3) | (20.8) |
| 3 Severity                   | 0.073 | 0.625 | 0.234 |
| Not severe                   | 21    | (2.0) | (1.7) | (3.4) | (1.0) | (2.2) | (2.9) | (0.0) | (2.3) | (0.3) | (3) | (1.4) | (0.0) | (0.6) | (2.6) | (0.0) | (2.8) | (4.0) |
| Quite severe                 | 219   | (21.0) | (26.3) | (21.5) | (16.6) | (60) | (70) | (28) | (17) | (44) | (40) | (42) | (19.8) | (28.9) | (18.8) | (19.2) | (17.9) | (26.3) | (20.8) |
| Severe                       | 387   | (37.1) | (52.6) | (35.9) | (40.0) | (91) | (120) | (47) | (51) | (78) | (77) | (90) | (14) | (56) | (29) | (28) | (67) | (6.2) | (26.7) |
| Very severe                  | 436   | (39.9) | (18.4) | (40.8) | (40.0) | (38.6) | (37.5) | (43.6) | (41.9) | (41.5) | (39.4) | (36.3) | (34.2) | (46.7) | (41) | (40.3) | (33.5) | (49.5) | 0.257 |

**Note:** P-values in bold indicate statistical significance (P < 0.05).
| Risk Perception Key Elements | Total | Physical contact with COVID-19 patient | Occupation | Residency | P-value |
|-----------------------------|-------|---------------------------------------|------------|-----------|---------|
|                             |       | Yes | No | Not sure | Civil Servant | Private Company | Student | Housewife | Others | Jakarta | West Java | East Java | Central Java | South Sulawesi | Banten | Bali | Others | P-value |
| Slightly infectious         |       |     |   |         | 0.7 (0.0) | 7 (0.0) | 0 (0.0) | 0 (0.0) | 3 (1.4) | 1 (0.5) | 0 (0.0) | 0 (0.0) | 1 (1.3) | 0 (0.0) | 4 (2.2) | 1 (1.0) | 0.039 |
| Infectious                  | 139 (13.3) | 5 (13.2) | 113 (13.1) | 21 (14.5) | 14 (5.5) | 50 (15.9) | 28 (20.0) | 15 (12.8) | 32 (14.7) | 31 (15.3) | 25 (11.8) | 3 (7.9) | 29 (17.6) | 11 (14.1) | 8 (11.9) | 23 (12.8) | 9 (8.9) | 0.127 |
| Very infectious             | 887 (86.0) | 33 (86.8) | 740 (86) | 124 (85.5) | 240 (94.5) | 261 (82.9) | 112 (80.0) | 102 (87.2) | 182 (83.9) | 171 (84.2) | 187 (88.2) | 35 (92.1) | 136 (82.4) | 66 (84.6) | 59 (84.5) | 152 (90.1) | 91 (90.1) | 0.030 |
| Contagious                  | 5 (0.979) | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 | 0.016 |
| Serious                     | 764 (73.3) | 29 (76.3) | 629 (73.1) | 106 (73.1) | 191 (76.4) | 220 (69.8) | 100 (71.4) | 95 (81.2) | 155 (71.4) | 155 (76.4) | 150 (70.8) | 23 (60.5) | 124 (75.2) | 58 (74.4) | 50 (74.6) | 131 (72.3) | 73 (72.3) | 0.001 |
| Not serious                 | 4 (0.0.7) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Cases                 | 756 (72.5) | 24 (63.2) | 623 (72.4) | 109 (75.2) | 184 (72.4) | 219 (69.5) | 110 (78.6) | 91 (77.8) | 152 (70.0) | 146 (71.9) | 151 (71.2) | 31 (81.6) | 129 (78.2) | 54 (69.2) | 49 (73.1) | 118 (65.9) | 78 (77.2) | 0.127 |
| Risk Perception Key Elements | Total | Sex | Age | Marital Status | Education | P-value |
|-----------------------------|-------|-----|-----|----------------|-----------|---------|
|                             |       |     |     |                |           |         |
|                             |       | Male | Female | Early-Late | Early-Late | Early-Late | Elderly | P-value | Married | Unmarried | P-value | < High School | Undergraduate | Graduate | P-value |
| 1 Prepariedness              |       |     |     |               |            |          |
| Very Unprepared              | 114   | 43  | 71  | 17            | 72         | 25        | 0       | 84      | 30      | 0.004     | <0.001   | 0.057         |           |           | 0.161 |
| Unprepared                   | 315   | 119 | 216 | (7.4)         | (10.4)     | (21.4)    | (0.0)   | (12.6)  | (6.8)   | (98.9)   | (10.4)   | (10.4)       | (8)        | (14.8)    | (10.8) |
| Quite Prepared               | 494   | 209 | 285 | (37.0)        | (30.5)     | (33.3)    | (0.0)   | (31.8)  | (32.6)  | (91.1)   | (29.9)   | (33.4)       | (98.0)     | (63)      | (148) |
| Prepared                     | 100   | 54  | 43  | (12.2)        | (8.8)      | (7.7)     | (50.0)  | (8.4)   | (11.7)  | (99.5)   | (99.0)   | (96.7)       | (99.6)     | (99.0)    | (107) |
| 2 Ability to control the risk|       |     |     |               |            |          |
| Unable                       | 53    | 21  | 32  | 10            | 37         | 6         | 0       | 40      | 13      | 0.06      | 0.326    | 0.112         | 0.009      |           | (0.9) |
| Fairly able                  | 429   | 161 | 268 | (37.4)        | (42.2)     | (42.7)    | (25.0)  | (28.2)  | (143.8) | (98.9)   | (98.9)   | (98.9)       | (98.9)     | (98.9)    | (99.1) |
| Able                         | 453   | 187 | 263 | (48.3)        | (42.5)     | (40.2)    | (25.0)  | (274)   | (179)   | (99.1)   | (97.1)   | (107)        | (47.5)     | (46.7)    | (35.1) |
| Very able                    | 108   | 56  | 52  | (10.0)        | (10.0)     | (12)      | (50.0)  | (10.7)  | (9.8)   | (99.3)   | (99.3)   | (99.3)       | (99.3)     | (99.3)    | (131) |
| 3 Believe in the efficacy of control measures |       |     |     |               |            |          |
| Hand sanitizing             | 1032  | 417 | 613 | 228           | 685        | 315       | 4       | 659     | 373     | 0.019     | 0.894    | 1.000         |           |           | 0.804 |
| Yes                         | 983   | 383 | 597 | (99.3)        | (93.5)     | (98.3)    | (100.0) | (98.9)  | (98.9)  | (98.9)   | (99.2)   | (94.4)       | (94.4)     | (94.4)    | (94.4) |
| No                          | 159   | 42  | 118 | (98.1)        | (92.6)     | (92.7)    | (0.0)   | (3.9)   | (9.0)   | (100.0)  | (99.9)   | (100.0)      | (100.0)    | (100.0)  | (100.0) |
| Physical distancing         |       |     |     |               |            |          |
| Wearing a mask              | 1036  | 419 | 614 | 229           | 687        | 116       | 4       | 662     | 374     | 0.021     | 0.959    | 0.708         | 0.489      |           |         |
| Yes                         | 993   | 393 | 597 | (99.3)        | (99.6)     | (99.1)    | (100.0) | (99.4)  | (99.2)  | (99.3)   | (99.3)   | (99.3)       | (99.3)     | (99.3)    | (99.3) |
| No                          | 43    | 26  | 17  | (98.6)        | (97.1)     | (99.1)    | (0.0)   | (4)     | (5)     | (0.7)    | (1.4)    | (2.0)        | (0.7)      | (0.7)     | (0.7)  |
| Staying at home             |       |     |     |               |            |          |
| Yes                         | 1015  | 411 | 604 | 221           | 679        | 114       | 4       | 653     | 365     | 0.119     | 0.367    | 0.212         | 0.206      |           |         |
| No                          | 25    | 14  | 11  | (9.8)         | (9.8)      | (100.0)   | (0.0)   | (3)     | (3)     | (0.7)    | (1.4)    | (1.8)        | (0.7)      | (0.7)     | (0.7)  |
| 4 Willingness to carry out the measure/s |       |     |     |               |            |          |
| Hand sanitizing             | 1032  | 423 | 609 | 227           | 687        | 117       | 4       | 662     | 373     | 0.483     | 0.609    | 0.470         | 0.190      |           |         |
| Yes                         | 992   | 395 | 597 | (99.2)        | (98.7)     | (99.1)    | (100.0) | (99.4)  | (98.9)  | (98.9)   | (98.9)   | (99.3)       | (99.3)     | (99.3)    | (99.6) |
| No                          | 4    | 2   | 6   | (98.0)        | (99.0)     | (100.0)   | (0.0)   | (4)     | (4)     | (8)      | (2)      | (6)          | (4)        | (4)       | (1)   |

Table S7: Association Between Risk Tolerance and Sex, Age, Marital Status and Education (N=1043; %)
## Risk Perception Key Elements

| Total   | Male | Female | P-value | Early-Late Teens | Early-Late Adults | Early-Late Old | Elderly | P-value | Married | Unmarried | P-value | <=High School | Under Graduate | Graduate | P-value |
|---------|------|--------|---------|------------------|-------------------|-----------------|----------|---------|---------|-----------|----------|---------|-------------|-------------|----------|---------|
|         | (0.8) | (0.5)  | (1.0)   | (1.3)            | (0.7)             | (0.0)           | (0.0)    | (0.6)  | (1.1)  | (1.9)     | (0.7)    | (0.3)  |

### Physical distancing

- **Yes**
  - 1016 (97.4)
  - 409 (96.2)
  - 604 (98.2)
  - 219 (95.2)
  - 679 (98.1)
  - 114 (97.4)
  - 4 (100.0)
  - 652 (97.9)
  - 364 (96.6)
  - 156 (96.3)
  - 561 (97.4)
  - 299 (98.0)

- **No**
  - 27 (2.6)
  - 16 (3.8)
  - 11 (1.8)
  - 11 (4.8)
  - 13 (1.2)
  - 3 (2.6)
  - 0 (0.0)
  - 14 (2.1)
  - 13 (3.4)
  - 6 (1.7)
  - 15 (2.6)
  - 6 (2.0)

## Wearing a facemask

| Total   | Yes | No | P-value | Total
|---------|-----|----|---------|------|
|         | (100.0) | (100.0) | (1.000) |
|         | (99.1)  | (99.8)  | (0.917) |

### Staying at home

| Total   | Yes | No | P-value | Total
|---------|-----|----|---------|------|
|         | (83.5) | (84.9) | (0.139) |

## Table S8. Association Between Risk Tolerance and Physical Contact with Covid-19 patient, Occupation and Residence (N=1043; %)

| Risk Perception Key Elements | Total | Physical contact with COVID-19 patient | Occupation | Residence |
|------------------------------|-------|---------------------------------------|------------|-----------|
|                              |       | Yes | No | Not sure | P-value | Civil Servant | Private Company | Student | Housewife | Others | P-value | Jakarta | West Java | East Java | Central Java | South Sulawesi | Banten | Bali | Others | P-value |
| C. Risk Tolerance           |       |     |    |         |         |               |               |         |           |        |         |         |           |           |            |            |              |        |      |        |         |
| 1 Preparedness              |       |     |    |         | 0.007  |               |               |         |           |        |         |         |           |           |            |              |              |        |      |        |         |
| Very unprepared             | 114   | 11  | 91  | 18      | (10.9) | (13.2)        | (10.6)        | (12.4)  | (12.2)   | (11.9) | (15.1)  | (12.2) | (11.4)   | (7.9)    | (12.8)    | (9.7)   | (14.8) | (11.3) | (2.6)  |
| Unprepared                  | 335   | 4   | 278 | 53      | (32.1) | (10.5)        | (32.3)        | (36.6)  | (31.9)   | (29.2) | (51.2)  | (36.4) | (37.6)   | (30.9)  | (28.6)    | (30.1) | (33.0) | (28.9) | (2.5)  |
| Quite Prepared              | 494   | 20  | 408 | 66      | (47.4) | (52.6)        | (47.4)        | (45.5)  | (122)    | (158)  | (65)    | (46.4) | (40.2)   | (47.0)  | (44.8)    | (51.9) | (60.5) | (38.8) | (57.6) |
| Prepared                    | 300   | 9   | 83  | 8       | (9.6)  | (23.7)        | (9.7)         | (5.5)   | (20.7)   | (29)   | (13)    | (9.2)  | (9.3)    | (12.4)  | (11.8)    | (3.8)  | (7.9)  | (13.9) | (15.6) |

2 Ability to control the risk

| Total   | Unable | Fairly able | Able | Very able | P-value | (0.5) | (4.8) | (4.8) | (11.0) | (4.8) | (11.4) | (9.2) | (9.3) | (12.0) | (7.9) | (12.3) | (7.7) | (10.4) | (14.5) | (8.9) |
|---------|---------|-------------|------|-----------|---------|------|------|------|-------|------|-------|------|------|-------|------|-------|------|-------|-------|------|
| 3 Believe in the efficacy of control measures
| Risk Perception Key Elements | Total | Physical contact with COVID-19 patient | Occupation | Residence |
|-----------------------------|-------|---------------------------------------|-----------|-----------|
|                             |       | Yes | No | Not sure | P-value | Yes | No | Not sure | P-value | Yes | No | Not sure | P-value | Yes | No | Not sure | P-value | Yes | No | Not sure | P-value | Yes | No | Not sure | P-value |
| Hand sanitizing             |       | Yes | No | Not sure | P-value | Yes | No | Not sure | P-value | Yes | No | Not sure | P-value | Yes | No | Not sure | P-value | Yes | No | Not sure | P-value |
| Yes                         | 1032  | 36  | 854 | 142      | 0.012   | 249 | 312 | 139       | 0.477    | 201 | 209 | 38  | 164   | 0.572    | 178  | 98  | 77      | 0.572    | 178  | 98  | 77      | 0.572    |
| No                          | 11    | 2   | 6  | 3        | 0.001   | 5   | 1   | 0         | 0.232    | 2   | 3   | 0   | 1     | 0.113    | 0    | 0   | 1       | 0.113    | 0    | 0   | 1       | 0.113    |
| Physical distancing         |       | Yes | No | Not sure | P-value | Yes | No | Not sure | P-value | Yes | No | Not sure | P-value | Yes | No | Not sure | P-value | Yes | No | Not sure | P-value |
| Yes                         | 983   | 34  | 815 | 134      | 0.165   | 246 | 288 | 131       | 0.232    | 194 | 196 | 38  | 155   | 0.306    | 170  | 90  | 74      | 0.306    | 170  | 90  | 74      | 0.306    |
| No                          | 60    | 4   | 45  | 11       | 0.080   | 7   | 27  | 9         | 0.189    | 9   | 36  | 0   | 10    | 0.328    | 172  | 99  | 76      | 0.328    | 172  | 99  | 76      | 0.328    |
| Wearing a facemask          |       | Yes | No | Not sure | P-value | Yes | No | Not sure | P-value | Yes | No | Not sure | P-value | Yes | No | Not sure | P-value | Yes | No | Not sure | P-value |
| Yes                         | 1036  | 38  | 856 | 142      | 0.242   | 248 | 308 | 135       | 0.367    | 199 | 211 | 38  | 164   | 0.200    | 179  | 99  | 77      | 0.200    | 179  | 99  | 77      | 0.200    |
| No                          | 25    | 1   | 24  | 6        | 0.043   | 7   | 5   | 1         | 0.044    | 9   | 3   | 0   | 4     | 0.375    | 172  | 99  | 76      | 0.375    | 172  | 99  | 76      | 0.375    |
| 4 Willingness to carry out the measure/s |       |     |     |          |         |     |     |           |          |     |     |     |       |          |     |     |           |          |     |     |     |       |
| Hand sanitizing             |       | Yes | No | Not sure | P-value | Yes | No | Not sure | P-value | Yes | No | Not sure | P-value | Yes | No | Not sure | P-value | Yes | No | Not sure | P-value |
| Yes                         | 1032  | 37  | 894 | 143      | 0.089   | 254 | 315 | 139       | 0.094    | 203 | 212 | 38  | 165   | 0.089    | 179  | 99  | 77      | 0.089    | 179  | 99  | 77      | 0.089    |
| No                          | 8     | 1   | 6  | 2        | 0.001   | 0   | 0   | 0         | 0.779    | 0   | 0   | 0   | 0     | 0.003    | 0    | 0   | 0       | 0.003    | 0    | 0   | 0       | 0.003    |
| Physical distancing         |       | Yes | No | Not sure | P-value | Yes | No | Not sure | P-value | Yes | No | Not sure | P-value | Yes | No | Not sure | P-value | Yes | No | Not sure | P-value |
| Yes                         | 1015  | 37  | 842 | 139      | 0.048   | 248 | 308 | 135       | 0.043    | 199 | 209 | 38  | 161   | 0.375    | 172  | 99  | 76      | 0.375    | 172  | 99  | 76      | 0.375    |
| No                          | 27    | 1   | 26  | 5        | 0.899   | 7   | 5   | 0         | 0.004    | 9   | 3   | 0   | 4     | 0.089    | 179  | 99  | 77      | 0.089    | 179  | 99  | 77      | 0.089    |
| Wearing a facemask          |       | Yes | No | Not sure | P-value | Yes | No | Not sure | P-value | Yes | No | Not sure | P-value | Yes | No | Not sure | P-value | Yes | No | Not sure | P-value |
| Yes                         | 1042  | 38  | 859 | 145      | <0.001  | 254 | 315 | 139       | <0.001   | 203 | 212 | 38  | 165   | 0.485    | 179  | 99  | 77      | 0.485    | 179  | 99  | 77      | 0.485    |
| No                          | 172   | 14  | 113 | 46       | 0.100   | 43  | 81  | 7         | 0.050    | 34  | 37  | 8   | 29    | 0.100    | 0    | 0   | 0       | 0.100    | 0    | 0   | 0       | 0.100    |