



Data Article

Data on attitudes, religious perspectives, and practices towards COVID-19 among Indonesian residents: a quick online cross-sectional survey



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ABSTRACT

Although previously large-scale social restrictions were implemented by the Indonesian government, the total number of coronavirus cases is overcome China in the global ranking per July 18th, 2020, implying a higher infection rate among Indonesian residents. The surge of new coronavirus cases started since the loosening of large-scale social restrictions, thereby implicating that public gathering (including religious gathering) evidently increases transmission [1]. It has been reported that Indonesia's coronavirus disease-19 (COVID-19) mortality rate is the second-highest among Southeast Asian Nations, which may be associated with several health determinants, including biochemical factors and health comorbidity [2–7]. Because people's adherence to control measures is affected by their attitudes, religious perspectives, and practices (ARP) towards COVID-19. Hence, the information regarding Indonesian's ARP towards COVID-19 post-large-scale social restrictions is required. The data were collected via an online questionnaire, including demographic information (7 items), attitude and practice (5 items), and religious perspec-

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tive and practice (5 items), from July 11 – 18, 2020, collecting a total of 1,345 respondents. Although our data collection did not provide other precautionary measures (e.g., adequate ventilation). It is notable that most of the religious venues are having a close ventilation system. Hence, this may contribute to the propagation of SARS-CoV-2 transmission [8]. Altogether, these data will help in determining non-health-related factors to prevent the spread of COVID-19.

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Specifications Table

Subject	Public health
Specific subject area	Health psychology, Social psychology
Type of data	Primary data, tables
How data were acquired	Data were collated utilizing an online survey platform (Google forms)
Data format	Raw and analyzed
Parameters for data collection	The survey data was obtained from 1,354 respondents of Indonesian residents with internet access.
Description of data collection	The data was conducted through an online questionnaire. Relying on the authors' network, one-page recruitment information was posted/reposted via Whatsapp.
Data source location	Region: Asia; Country: Indonesia
Data accessibility	Data is accessible at Mendeley Repository https://data.mendeley.com/datasets/nswtwm7j8k/1

Value of Data

- This data describes the attitude, religious perspective, and practice among Indonesian residents toward COVID-19.
- This data is useful for researchers who want to compare similar studies regarding attitude, religious perspective, and practice toward COVID-19 in the different populations.
- This data may help the leaders and policymakers to evaluate and prevent non-health-related factors associated with the spread of COVID-19.

1. Data Description

A total of 1,354 participants completed the questionnaire on attitude, religious perspective, and practice among Indonesian residents toward COVID-19 (Table 1), which then was divided according to demographic characteristics (Table 2). The detailed responses on attitude, religious perspective, and practice toward COVID-19 by participants are presented in Table 3–4. Factors associated with attitude, religious perspective, and practice toward COVID-19 are depicted in Table 5.

2. Experimental Design, Materials and Methods

2.1. Participants

This cross-sectional survey was conducted from July 11 – 18, 2020. Data collection relied on the authors' network; one-page recruitment information was posted/reposted via Whatsapp.

Table 1

Questionnaire of attitude, religious perspective, and practice towards COVID-19

Questions	Options
Attitude and practice	
A1. Do you think physical distancing effectively cut the spread of SARS-CoV-2 infection?	Yes, not sure, no
A2. Do you feel anxious about getting infected with SARS-CoV-2?	Yes, not sure, no
A3. Do you think it is necessary to perform more radical control such as "comprehensive large-scale social restriction or lockdown" one more time as the new cases growing rapidly in the last few days?	Yes, not sure, no
AP1. Have you applied health protocol regarding COVID-19 prevention (worn mask, washed hands) when you were outside home and in a crowded place?	Always, occasionally, never
AP2. Have you applied health protocol regarding COVID-19 prevention (worn mask, washed hands) when you were home after traveling/working outside?	Always, occasionally, never
Religious perspective and practice	
R1. Do you think it is possible to pray and gather in the place of worship during the pandemic?	Yes, not sure, no
R2. Are the place of worship conducted COVID-19 prevention control correctly?	Yes, not sure, no
R3. Does social distancing in the place of worship make you feel safe from SARS-CoV-2 infection?	Yes, not sure, no
RP1. In the recent days, have you prayed in the place of worship other than in your home?	Yes, no
RP2. How often did you pray and gather in the place of worship during "new normal or post large-scale social restrictions" was implemented?	Always, occasionally, never

Table 2

Demographic characteristics of participants (n = 1,354)

Characteristics	Number of participants (%)	
Gender	Male	368 (27.18)
	Female	986 (72.82)
Age group (years)	< 30	939 (69.35)
	≥ 30	415 (30.65)
Last education	High school	437 (32.27)
	Associate degree	222 (16.40)
	Bachelor degree	499 (36.85)
	Master degree	149 (11.00)
	Doctoral degree	47 (3.48)
Majors of current education or major of education	Medicine related science	1,044 (77.10)
	Science and technology	195 (14.40)
Occupation	Social science and humanities	115 (8.50)
	Students	664 (49.03)
	Teachers	168 (12.41)
	Health practitioners	382 (28.21)
	Government and administration related job	33 (2.89)
	Others	107 (7.90)
Religion	Islam	1,167 (86.19)
	Protestantism	89 (6.57)
	Roman Catholicism	55 (4.06)
	Hinduism	33 (2.44)
	Buddhism	9 (0.66)
Place of current residence	Confucianism	1 (0.08)
	City	943 (69.65)
	Rural	411 (30.35)

Table 3
Attitude and practice towards COVID-19 by demographic variables*

Characteristic		Attitudes and practice, n (%)														
		A1: physical distancing cut the spread of SARS-CoV-2			A2: feeling anxious being infected with SARS-CoV-2			A3: large-scale social restriction need to be re-implemented			AP1: COVID-19 prevention in a crowded place			AP2: COVID-19 prevention after traveling or working outside		
		Y	NS	N	Y	NS	N	Y	NS	N	A	O	NV	A	O	NV
Gender	Male	338 (91.85)	27 (7.34)	3 (0.81)	262 (71.20)	57 (15.49)	49 (13.31)	268 (72.83)	66 (17.93)	34 (9.24)	320 (86.96)	35 (9.51)	13 (3.53)	323 (87.77)	36 (9.78)	9 (2.45)
	Female	931 (94.42)	51 (5.17)	4 (0.41)	773 (78.40)	135 (13.69)	78 (7.91)	775 (78.60)	165 (16.73)	46 (4.67)	926 (93.91)	46 (4.67)	14 (1.42)	935 (94.83)	42 (4.26)	9 (0.91)
Age group (years)	< 30	878 (93.50)	59 (6.28)	2 (0.22)	712 (75.83)	146 (15.55)	81 (8.62)	708 (75.40)	178 (18.96)	53 (5.64)	860 (91.59)	57 (6.07)	22 (2.34)	875 (93.18)	53 (5.65)	11 (1.17)
	≥ 30	391 (94.22)	19 (4.58)	5 (1.20)	323 (77.84)	46 (11.08)	46 (11.08)	335 (80.72)	53 (12.77)	27 (6.51)	386 (93.02)	24 (5.78)	5 (1.20)	383 (92.29)	25 (6.02)	7 (1.69)
Last education	High school	401 (91.76)	33 (7.55)	3 (0.69)	325 (74.37)	76 (17.39)	36 (8.24)	325 (74.37)	85 (19.45)	27 (6.18)	403 (92.22)	24 (5.49)	10 (2.29)	410 (93.82)	24 (5.49)	3 (0.69)
	Associate degree	218 (98.20)	4 (1.80)	0 (0.00)	176 (79.28)	22 (9.91)	24 (10.81)	196 (88.29)	17 (7.66)	9 (4.05)	197 (88.74)	16 (7.21)	9 (4.05)	202 (90.99)	12 (5.41)	8 (3.60)
	Bachelor degree	469 (93.99)	29 (5.81)	1 (0.20)	391 (78.36)	61 (12.22)	47 (9.42)	372 (74.55)	100 (20.04)	27 (5.41)	462 (92.59)	31 (6.21)	6 (1.20)	465 (93.19)	29 (5.81)	5 (1.00)
	Master degree	136 (91.28)	11 (7.38)	2 (1.34)	110 (73.83)	24 (16.11)	15 (10.07)	119 (79.87)	19 (12.75)	11 (7.38)	141 (94.63)	7 (4.70)	1 (0.67)	139 (93.29)	8 (5.37)	2 (1.34)
	Doctoral degree	45 (95.74)	1 (2.13)	1 (2.13)	33 (70.21)	9 (19.15)	5 (10.64)	31 (65.96)	10 (21.28)	6 (12.77)	43 (91.49)	3 (6.38)	1 (2.13)	42 (89.36)	5 (10.64)	0 (0.00)
	Medicine related science	987 (94.54)	52 (4.98)	5 (0.48)	795 (76.15)	148 (14.18)	101 (9.67)	824 (78.93)	166 (15.90)	54 (5.17)	963 (92.24)	58 (5.56)	23 (2.20)	981 (93.97)	48 (4.60)	15 (1.44)
Major of education	Science and technology	178 (91.28)	17 (8.72)	0 (0.00)	153 (78.46)	33 (16.92)	9 (4.62)	137 (70.26)	41 (21.03)	17 (8.72)	176 (90.26)	16 (8.21)	3 (1.54)	171 (87.69)	21 (10.77)	3 (1.54)
	Social science and humanities	104 (90.43)	9 (7.83)	2 (1.74)	87 (75.65)	11 (9.57)	17 (14.78)	82 (71.30)	24 (20.87)	9 (7.83)	107 (93.04)	7 (6.09)	1 (0.87)	106 (92.17)	9 (7.83)	0 (0.00)

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Table 3 (continued)

Characteristic		Attitudes and practice, n (%)														
		A1: physical distancing cut the spread of SARS-CoV-2			A2: feeling anxious being infected with SARS-CoV-2			A3: large-scale social restriction need to be re-implemented			AP1: COVID-19 prevention in a crowded place			AP2: COVID-19 prevention after traveling or working outside		
		Y	NS	N	Y	NS	N	Y	NS	N	A	O	NV	A	O	NV
Occupation	Students	617 (92.92)	45 (6.78)	2 (0.30)	498 (75.00)	117 (17.62)	49 (7.38)	480 (72.29)	146 (21.99)	38 (5.72)	607 (91.41)	42 (6.33)	15 (2.26)	617 (92.92)	40 (6.02)	7 (1.06)
	Teachers	158 (94.05)	7 (4.17)	3 (1.79)	128 (76.19)	23 (13.69)	17 (10.12)	125 (74.40)	30 (17.86)	13 (7.74)	157 (93.45)	9 (5.36)	2 (1.19)	152 (90.48)	13 (7.74)	3 (1.79)
	Health practitioners	370 (96.86)	10 (2.62)	2 (0.52)	298 (78.01)	38 (9.95)	46 (12.04)	328 (85.87)	35 (9.16)	19 (4.97)	354 (92.67)	22 (5.76)	6 (1.57)	358 (93.72)	18 (4.71)	6 (1.57)
	Government and administration related job	33 (100)	0 (0.00)	0 (0.00)	28 (84.85)	2 (6.06)	3 (9.09)	30 (90.91)	2 (6.06)	1 (3.03)	29 (87.88)	2 (6.06)	2 (6.06)	31 (93.94)	2 (6.06)	0 (0.00)
	Others	91 (85.05)	16 (14.95)	0 (0.00)	83 (77.58)	12 (11.21)	12 (11.21)	80 (74.77)	18 (16.82)	9 (8.41)	99 (92.52)	6 (5.61)	2 (1.87)	100 (93.46)	5 (4.67)	2 (1.87)
	Place of current residence	City	881 (93.43)	55 (5.83)	7 (0.74)	746 (79.11)	116 (12.30)	81 (8.59)	721 (77.19)	153 (16.38)	60 (6.42)	877 (93.00)	48 (5.09)	18 (1.91)	885 (93.85)	48 (5.09)
Rural		388 (94.40)	23 (5.60)	0 (0.00)	289 (70.32)	76 (18.49)	46 (11.19)	313 (76.16)	78 (18.98)	20 (4.87)	369 (89.78)	33 (8.03)	9 (2.19)	373 (90.75)	30 (7.30)	8 (1.95)

* Religion was not included; A, always; N, no; NS, not sure; NV, never; O, occasionally; Y, yes.

Table 4
Religious perspective and practice towards COVID-19 by demographic variables*

Characteristic		Religious perspective and practice, n (%)														
		R1: possibility to pray and gather during the pandemic			R2: the place of worship conducted COVID-19 prevention control correctly			R3: social distancing in the place of worship make you feel safe from SARS-CoV-2 infection			RP1: pray in the place of worship other than home		RP2: how often did you pray and gather in the place of worship during "new normal"			
		Y	NS	N	Y	NS	N	Y	NS	N	Y	N	A	O	NV	
Gender	Male	178 (48.37)	122 (33.15)	68 (18.48)	253 (68.75)	78 (21.20)	37 (10.05)	237 (64.40)	97 (26.36)	34 (9.24)	255 (69.29)	113 (30.71)	77 (20.92)	214 (58.16)	77 (20.92)	
	Female	280 (28.40)	466 (47.26)	240 (24.34)	648 (65.72)	227 (23.02)	111 (11.26)	629 (63.79)	289 (29.31)	68 (6.90)	278 (28.19)	708 (71.81)	46 (4.67)	360 (36.51)	580 (58.82)	
Age group	< 30	302 (32.16)	452 (48.14)	185 (19.70)	614 (65.39)	222 (23.64)	103 (10.97)	599 (63.79)	277 (29.50)	63 (6.71)	345 (36.74)	594 (63.26)	71 (7.56)	393 (41.85)	475 (50.59)	
	≥ 30	156 (37.59)	136 (32.77)	123 (29.64)	287 (69.16)	83 (20.00)	45 (10.84)	267 (64.34)	109 (26.27)	39 (9.40)	188 (45.30)	227 (54.70)	52 (12.53)	181 (43.61)	182 (43.86)	
Last education	High school	125 (28.60)	227 (51.95)	85 (19.45)	288 (65.90)	106 (24.26)	43 (9.84)	274 (62.70)	137 (31.35)	26 (5.95)	153 (35.01)	284 (64.99)	32 (7.32)	171 (39.13)	234 (53.55)	
	Associate degree	93 (41.89)	90 (40.54)	39 (17.57)	181 (81.53)	26 (11.71)	15 (6.76)	163 (73.42)	48 (21.62)	11 (4.95)	102 (45.95)	120 (54.05)	30 (13.51)	104 (46.85)	88 (39.64)	
	Bachelor degree	169 (33.87)	211 (42.28)	119 (23.85)	304 (60.92)	123 (24.65)	72 (14.43)	314 (62.93)	143 (28.66)	42 (8.42)	190 (38.08)	309 (61.92)	40 (8.02)	219 (43.89)	240 (48.10)	
	Master degree	53 (35.57)	50 (33.56)	46 (30.87)	99 (66.44)	35 (23.49)	15 (10.07)	87 (58.39)	46 (30.87)	16 (10.74)	65 (43.62)	84 (56.38)	17 (11.41)	58 (38.93)	74 (49.66)	
	Doctoral degree	18 (38.30)	10 (21.28)	19 (40.43)	29 (61.70)	15 (31.91)	3 (6.38)	28 (59.57)	12 (25.53)	7 (14.89)	23 (48.94)	24 (51.06)	4 (8.51)	22 (46.81)	21 (44.68)	
	Major of education	Medicine related science	338 (32.38)	475 (45.50)	231 (22.13)	702 (67.24)	233 (22.32)	109 (10.44)	684 (65.52)	290 (27.78)	70 (6.70)	400 (38.31)	644 (61.69)	88 (8.43)	438 (41.95)	518 (49.62)
	Science and technology	77 (39.49)	77 (39.49)	41 (21.03)	126 (64.62)	45 (23.08)	24 (12.31)	117 (60.00)	62 (31.79)	16 (8.21)	83 (42.56)	112 (57.44)	25 (12.82)	81 (41.54)	89 (45.64)	
	Social science and humanities	43 (37.39)	36 (31.30)	36 (31.30)	73 (63.48)	27 (23.48)	15 (13.04)	65 (56.52)	34 (29.57)	16 (13.91)	50 (43.48)	65 (56.52)	10 (8.70)	55 (47.83)	50 (43.48)	

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Table 4 (continued)

Characteristic		Religious perspective and practice, n (%)														
		R1: possibility to pray and gather during the pandemic			R2: the place of worship conducted COVID-19 prevention control correctly			R3: social distancing in the place of worship make you feel safe from SARS-CoV-2 infection			RP1: pray in the place of worship other than home		RP2: how often did you pray and gather in the place of worship during "new normal"			
		Y	NS	N	Y	NS	N	Y	NS	N	Y	N	A	O	NV	
Occupation	Students	200 (30.12)	340 (51.20)	124 (18.68)	429 (64.61)	170 (25.60)	65 (9.79)	424 (63.86)	204 (30.72)	36 (5.42)	239 (35.99)	425 (64.01)	46 (6.93)	262 (39.46)	356 (53.61)	
	Teacher	52 (30.95)	58 (34.52)	58 (34.52)	102 (60.71)	44 (26.19)	22 (13.10)	101 (60.12)	49 (29.17)	18 (10.71)	79 (47.02)	89 (52.98)	22 (13.10)	64 (38.10)	82 (48.81)	
	Health practitioners	151 (39.53)	142 (37.17)	89 (23.30)	289 (75.65)	60 (15.71)	33 (8.64)	259 (67.80)	94 (24.61)	29 (7.59)	161 (42.15)	221 (57.85)	45 (11.78)	185 (48.43)	152 (39.79)	
	Government and administration related job	14 (42.42)	9 (27.27)	10 (30.30)	23 (69.70)	7 (21.21)	3 (9.09)	23 (69.70)	7 (21.21)	3 (9.09)	8 (24.24)	25 (75.76)	5 (15.15)	8 (24.24)	20 (60.61)	
Place of current residence	Others	41 (38.32)	39 (36.45)	27 (25.23)	58 (54.21)	24 (22.43)	25 (23.36)	59 (55.14)	32 (29.91)	16 (14.95)	46 (42.99)	61 (57.01)	5 (4.67)	55 (51.40)	47 (43.93)	
	City	293 (31.07)	412 (43.69)	238 (25.24)	647 (68.61)	207 (21.95)	89 (9.44)	602 (63.84)	267 (28.31)	74 (7.85)	346 (36.69)	597 (63.31)	87 (9.23)	354 (37.54)	502 (53.23)	
	Rural	165 (40.15)	176 (42.82)	70 (17.03)	254 (61.80)	98 (23.84)	59 (14.36)	264 (64.23)	119 (28.95)	28 (6.81)	187 (45.50)	224 (54.50)	36 (8.76)	220 (53.53)	155 (37.71)	

* Religion was not included; A, always; N, no; NS, not sure; NV, never; O, occasionally; Y, yes.

Table 5

Results of multiple binary logistic regression analysis on factors significantly associated with attitudes, religious perspectives, and practice toward COVID-19

Variable	OR (95% CI)	P
Attitude and practice		
A1: not sure if physical distancing is able to cut the spread of SARS-CoV-2 (vs. yes)		
Gender (female vs. male)	0.60 (0.36 – 0.99)	0.047
Occupation (government and administration related job vs. teacher)	0.20 (0.08 – 0.49)	0.000
Occupation (government and administration related job vs. student)	0.19 (0.06 – 0.58)	0.003
Occupation (government and administration related job vs. other)	0.35 (0.15 – 0.81)	0.014
A2: not feeling anxious if being infected with SARS-CoV-2 (vs. yes)		
Gender (female vs. male)	0.54 (0.36 – 0.81)	0.003
Major of education (medicine related science vs. social science and humanities)	0.29 (0.12 – 0.69)	0.005
A2: not sure to feel anxious if being infected with SARS-CoV-2 (vs. yes)		
Last education (high school vs. associate degree)	0.29 (0.09 – 0.88)	0.029
Last education (high school vs. undergraduate degree)	0.26 (0.08 – 0.79)	0.018
Last education (high school vs. master degree)	0.28 (0.10 – 0.80)	0.017
Place of current residence (city vs. rural)	0.56 (0.41 – 0.78)	0.001
A3: large-scale social restriction need to be re-implemented (vs. no)		
Gender (female vs. male)	0.48 (0.30 – 0.78)	0.003
AP1: always performing COVID-19 prevention in a crowded place (vs. no)		
Gender (female vs. male)	0.30 (0.14 – 0.67)	0.003
AP1: always performing COVID-19 prevention in a crowded place (vs. occasionally)		
Gender (female vs. male)	0.45 (0.28 – 0.72)	0.001
Place of current residence (city vs. rural)	0.62 (0.39 – 0.99)	0.044
AP2: always performing COVID-19 prevention after traveling or working outside (vs. never)		
Gender (female vs. male)	0.32 (0.12 – 0.84)	0.020
AP2: always performing COVID-19 prevention after traveling or working outside (vs. occasionally)		
Gender (female vs. male)	0.43 (0.26 – 0.69)	0.001
Religious perspective and practice		
R1: it is not possible to pray and gather during the pandemic (vs. yes)		
Gender (female vs. male)	2.41 (1.70 – 3.42)	0.000
Place of current residence (city vs. rural)	1.84 (1.31 – 2.59)	0.000
R1: not sure whether it is possible to pray and gather during the pandemic (vs. yes)		
Gender (female vs. male)	2.15 (1.61 – 2.86)	0.000
Major of education (medicine related science vs. science and technology)	1.65 (1.00 – 2.73)	0.049
Place of current residence (city vs. rural)	1.38 (1.05 – 1.82)	0.020
R2: the place of worship is not conducted COVID-19 prevention control correctly (vs. yes)		
Last education (high school vs. master degree)	4.49 (1.11 – 18.20)	0.035
Occupation (government and administration related job vs. teacher)	0.26 (0.13 – 0.49)	0.000
Occupation (government and administration related job vs. other)	0.28 (0.14 – 0.55)	0.000
Place of current residence (city vs. rural)	0.56 (0.39 – 0.82)	0.003
R2: not sure whether the place of worship conducted COVID-19 prevention control correctly (vs. yes)		
Last education (high school vs. undergraduate degree)	0.31 (0.12 – 0.79)	0.014
Occupation (government and administration related job vs. teacher)	0.53 (0.29 – 0.97)	0.039
R3: social distancing in the place of worship make you feel safe from SARS-CoV-2 infection (vs. no)		
Occupation (government and administration related job vs. others)	0.26 (0.11 – 0.62)	0.002
RP1: not going to pray in the place of worship other than home (vs. yes)		
Gender (female vs. male)	5.88 (4.48 – 7.72)	0.000
Occupation (government and administration related job vs. health practitioners)	2.78 (1.06 – 7.24)	0.037
Place of current residence (city vs. rural)	1.54 (1.19 – 1.99)	0.001
RP2: never going to pray and gather in the place of worship during “new normal” (vs. always)		
Gender (female vs. male)	13.75 (8.64 – 21.87)	0.000
Occupation (government and administration related job vs. teacher)	0.15 (0.03 – 0.65)	0.012
RP2: never going to pray and gather in the place of worship during “new normal” (vs. occasionally)		
Gender (female vs. male)	4.52 (3.33 – 6.14)	0.000
Occupation (government and administration related job vs. health practitioners)	2.74 (1.06 – 7.08)	0.038
Place of current residence (city vs. rural)	2.11 (1.63 – 2.75)	0.000

This information contained a brief introduction about the survey, voluntary nature of participation, declarations of anonymity and confidentiality, and the link of the online questionnaire. Persons who were of Indonesian nationality, aged 16 years or more, and willing to participate were directed to complete the survey.

2.2. Measures

The questionnaire consisted of three parts: demographics, attitudes and practices, and religious perspectives and practices. Demographic variables included age, gender, last education, major of education or current education, occupation, place of current residence (city vs. rural), and religion. Attitudes and practices toward COVID-19 were evaluated by questions A1 – A3 and AP1 – 2 (Table 1), while religious perspectives and practices were measured by questions R1 – R3 and RP1 – 2 (Table 1).

2.3. Statistical analysis

Frequencies of attitudes, religious perspectives, and practices were tabulated. Attitudes, religious perspectives, and practices of different persons according to demographic characteristics (excluding religion) were compared with the Chi-square test. The binary logistic regression method was used to identify factors associated with attitudes, religious perspectives, and practices. Data analyses were conducted with SPSS version 25 for Mac. A p-value of less than 0.05 (two-sided) was considered significant.

2.4. Ethical statement

This survey was approved by the Ethics Committee of Brawijaya University, Malang-Indonesia, with reference No. 062-KEP-UB-2020.

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Declaration of Competing Interest

None to declare.

Supplementary materials

Supplementary material associated with this article can be found, in the online version, at doi:[10.1016/j.dib.2020.106277](https://doi.org/10.1016/j.dib.2020.106277).

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