

S7: Appendix G - Abbreviation

Table S3 shows the abbreviation or variable definition for Figure 6: “The Proposed Indonesian Framework for Telecommunications Infrastructure (developed from the Sabater Framework [46], Stern [47], Mayer [48], and ITU [3]).” Table 7: “Correlation Matrix”, Table 8: “Sixteen Combinations of 4×4 Matrix and Pseudocode Applications Adapted from [55]”, Table 9: “Postulate to Determine the Grid-Reference Index G1, G2, G3, and G4.”, and Table 10: “Results of Correlation Matrix of 7232 Districts in Indonesia” of the manuscript.

Table S3. Variable Definition for Figure 6 and Table 7-10 of The Manuscript

No.	Variable	Definition
1.	G1	grid #1
2.	G2	grid #2
3.	G3	grid #3
4.	G4	grid #4
5.	x-axis	telecommunications networks
6.	y-axis	socioeconomic
7.	N	2G Coverage
8.	O	3G Coverage
9.	P	4G Coverage
10.	T	DL Speed Average in 3 Months
11.	U	UL Speed Average in 3 Months
12.	V	Latency Average in 3 Months
13.	W	Jitter Average in 3 Months
14.	AA	2G BTS
15.	AB	3G NodeB
16.	AC	4G eNodeB
17.	AG	electricity users from state electricity companies (PLN)
18.	AH	electricity users are not from state electricity companies (personal/private/non-PLN)
19.	AL	elementary school
20.	AM	junior high school
21.	AN	high school
22.	AO	college
23.	AS	the existence of mall
24.	AT	market presence
25.	AU	number of shops or stalls
26.	AV	number of minimarkets
27.	AW	number of food stalls or <i>warteg</i>
28.	BB	quantity of hotels/inns
29.	BE	number of hospitals
30.	BF	number of health centers or <i>puskesmas</i>
31.	BG	number of clinics
32.	BM	percentage of KUD
33.	BN	number of banks

34.	BS	<20 persons
35.	BT	20-99 persons
36.	BU	>99 persons
37.	BY	other tours
38.	BZ	tourist village
39.	CA	nature tourism
40.	CB	artificial tourism
41.	CC	cultural tourism
42.	CD	monument tour
43.	CE	beach and artificial tours
44.	CF	religious tourism
45.	CG	historical excursions
46.	CH	pilgrimage tour
47.	CL	the existence of oil and gas mining
48.	CM	the existence of geothermal mining
49.	CN	the existence of other mines and plantations
50.	CR	not a slum dwelling
51.	CU	asphalt/concrete road surface
52.	CV	gravel/stone road surface
53.	CW	soil road surface
54.	CX	other road surfaces
55.	DH	z-score mean index
56.	DK	population
57.	DL	population density

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