

# Annex

## Annex I: HEVA indicator overview

**Table A1:** Hazard indicators used for the data analysis of the HEVA. [P] marks projections of future hazard levels. Indicators in grey font were not considered in the calculations due to limited access or availability.

	Factor	Indicators	Data type	Aggregation	Source	Quality
Climate-related hazards	Extreme heat	Extreme heat hazard level	Categorical	Provincial	GFDRR, n.d. - ThinkHazard	
		[P] Extreme heat hazard level				No data
	Flooding	River flooding hazard level	Categorical	Provincial	GFDRR, n.d. - ThinkHazard	
		Urban flooding hazard level	Categorical	Provincial	GFDRR, n.d. - ThinkHazard	
		[P2045] Flood hazard area [P2045] Flash flood hazard area	Numerical Numerical	Provincial Provincial	Bappenas and BNPB, 2018 - RIPB, p. 57 Bappenas and BNPB, 2018 - RIPB, p. 65	No access
	Storm surge	Storm surge hazard level	Categorical	Provincial	GFDRR, n.d. - ThinkHazard	
		[P2050] Sea level rise impact	Numerical, absolute	Provincial	USAID, 2016, p. 23	Proxy
	Marine hazard	Waves & Abrasion level	Categorical	Provincial	BNPB, 2016 - RBI, pp. 108-111	No access
		[P2045] Marine hazard level	Categorical	Provincial	Bappenas, 2019 - RAN-API, pp. 8-11	
	Tropical storm	Cyclone hazard level	Categorical	Provincial	GFDRR, n.d. - ThinkHazard	
		Tropical storm intensity	Categorical	Continuous	UN OCHA, 2011	
		[P] Cyclone hazard level				No data
	Extreme weather	Storm, Hail, Lightning hazard level	Categorical	Provincial	BNPB, 2016 - RBI, p. 100-107	No access
		[P] Extreme weather hazard level				No data
	Wildfire	Wildfire hazard level	Categorical	Provincial	GFDRR, n.d. - ThinkHazard	

		[P2045] Forest & land-fire hazard level	Categorical	Provincial	Bappenas and BNPB, 2018 - RIPB, p. 63	No access
	<b>Drought</b>	Drought hazard level	Categorical	Continuous	BNPB, 2011 [in: ADB 2016, p. 30]	
		Drought risk areas	Categorical	Continuous	Bappenas, 2009 - ICCSR, p. 16	
		[P] Change in monthly rainfall	Categorical	Continuous	Kementan and WFP, 2015 - FSVA, p. 95	Proxy
		[P2045] Drought hazard level	Categorical	Provincial	Bappenas and BNPB, 2018 - RIPB, p. 66	No access
	<b>Erosion</b>	Erosion hazard level	Categorical	Regencies	BNPB, 2010 [in: ADB 2016, p. 29]	No prov. data
		[P] Erosion hazard level				No data
<b>Geophysical hazards</b>	<b>Earthquake</b>	Earthquake hazard level	Categorical	Provincial	GFDRR, n.d. - ThinkHazard	
		Earthquake frequency	Categorical	Continuous	PuSGeN, 2018 [in: Bappenas and BNPB 2018 - RIPB, p. 42]	
	<b>Tsunami</b>	Tsunami hazard level	Categorical	Provincial	GFDRR, n.d. - ThinkHazard	
		Tsunami hazard level	Categorical	Regencies	BNPB, 2012 [in: Bappenas and BNPB 2018 - RIPB, p. 50]	
<b>Landslide</b>	Landslide hazard level	Categorical	Provincial	GFDRR, n.d. - ThinkHazard		
<b>Volcanic</b>	Volcanic hazard level	Categorical	Provincial	GFDRR, n.d. - ThinkHazard		
		Number of active volcanoes	Numerical	Islands	BNPB, 2015 - Renas PB [in: Bappenas and BNPB 2018 - RIPB, p. 55]	
<b>Livelihood shocks</b>	<b>Water scarcity</b>	Water balance	Numerical, absolute	Regional	Bappenas, 2009 - ICCSR, p. 13	
		Water scarcity level	Categorical	Provincial	GFDRR, n.d. - ThinkHazard	
		[P2030] Water availability	Categorical	Provincial	Bappenas, 2019 - RAN-API, pp. 8-11	Proxies
		[P2025-30] Water shortage area	Categorical	Continuous	Bappenas, 2009 - ICCSR, p. 14	
<b>Vector-borne diseases</b>	Malaria incidence	Numerical, relative	Provincial	Kemenkes, 2018 - Health Statistics, p. 233		
	Dengue incidence	Numerical, relative	Provincial	Kemenkes, 2018 - Health Statistics, p. 219		
		[P2050] Health impact level	Numerical, absolute	Provincial	USAID, 2016, p. 23	

	<b>Disaster injuries</b>	Disaster injury level	Numerical, absolute	Provincial	BPS, 2016a	
		[P] Disaster injury level				No data
	<b>Livelihood impacts</b>	Livelihood impact level				No data
		[P2050] Degree of crop change	Numerical, relative	Provincial	USAID, 2016, p. 12	Proxy
	<b>Poverty</b>	Share of people living in poverty	Numerical, relative	Provincial	BPS, 2014 - SUSENAS [in: Kementan and WFP, 2015 - FSVA, p. 37]	Proxy
		[P] Share of people living in poverty				No data
	<b>Food insecurity level</b>	Share of people facing malnutrition	Numerical, relative	Provincial	Kemenkes, 2013 - RISKESDAS [in: Kementan and WFP, 2015 - FSVA, p. 67]	Proxy
		[P] Share of people facing malnutrition				No data

**Table A2:** Exposure indicators used for the data analysis of the HEVA; [P] marks projections of future hazard levels. Indicators in grey font were not considered in the calculations due to limited access or availability.

	Factor	Indicators	Data type	Aggregation	Source	Quality
<b>People and their livelihoods</b>	<b>Exposed population</b>	Number of people exposed to earthquake, tsunami, volcano, flood, flash floods, landslide, extreme waves and abrasion, extreme weather, droughts	Numerical, absolute	Provincial	BNPB, 2016 - RBI, p. 142ff	
		[P2030, 2045] Number of people exposed to multi-hazard, earthquake, tsunami, volcano, flood, landslide, extreme waves and abrasion, extreme weather, flash floods, droughts	Numerical, absolute	Regional	BNPB, n.d. - InaRISK [in: Bappenas and BNPB 2018 - RIPB, pp. 33-66]	
	<b>Exposed vulnerable population groups</b>	Share of people with disability	Numerical, relative	Provincial	BPS, 2010 [in: JICA 2015, pp. 3-5]	Proxies; other groups missing
		Share of elderly	Numerical, relative	Provincial	BPS, 2015a – SUPAS, p. 57ff	
Share of children	Numerical, relative	Provincial	BPS, 2015a – SUPAS, p. 57ff			
Number of lifetime migrants	Numerical, absolute	Provincial	BPS, 2015b			

		[P] Share of people with disability [P2045] Share of elderly [P2045] Share of children [P] Number of lifetime migrants	Numerical, relative Numerical, relative	Provincial Provincial	BPS, 2015a – SUPAS, p. 57ff BPS, 2015a – SUPAS, p. 57ff	No data Proxy Proxy No data
	<b>Exposed vulnerable livelihoods</b>	Share of informal workers Number of agriculture workers  Number of aquaculture/fisheries workers	Numerical, relative Numerical, absolute	Provincial Provincial	BPS, 2019d KLHK, 2020 - Statistics of Agricultural Land, p. 6	Proxies; other groups missing No data
		[P] Share of informal workers [P] Number of agriculture workers [P] Number of aquaculture/fisheries workers				No data
<b>Environmental assets</b>	<b>Exposed environment</b>	Environmental area exposed to earthquake, tsunami, volcano, flood, flash floods, landslide, extreme waves and abrasion, extreme weather, droughts	Numerical, absolute	Provincial	BNPB, 2016 – RBI, p. 142ff	
		Economic loss for environmental areas due to multi-hazard, tsunami, volcano, flood, landslide, extreme waves and abrasion, wildfires, flash floods, droughts	Numerical, absolute	Regional	Bappenas and BNPB, 2018 - RIPB, pp. 41-66	
		[P] Exposed environmental area [P] Economic loss for environment				
	<b>Exposed agriculture</b>	Paddy and maize cultivated areas damaged by floods, droughts and pest infestation Average annual rice production	Numerical, relative	Provincial	Kementan and WFP, 2015 - FSVA, p. 85  Kementan and WFP, 2015 - FSVA, p. 19	Proxy, more areas needed No prov. data
		[P] Exposed agricultural area				No data

<b>Economic activities</b>	<b>Exposed economic activities</b>	GRDP contribution and productive land value exposed to earthquake, tsunami, volcano, flood, flash floods, landslide, extreme waves and abrasion, extreme weather, droughts	Numerical, absolute	Provincial	BNPB 2016 - RBI, p. 142ff	
		[P2030, 2045] Economic loss to earthquake, tsunami, volcano, flood, landslide, extreme waves and abrasion, extreme weather, wildfires, flash floods, droughts	Numerical, absolute	Provincial	Bappenas and BNPB, 2018 - RIPB, p. 41	Proxy
	<b>Exposed companies, markets and sectors</b>	Number of villages with MSMEs Number of livestock market, slaughterhouse, fish landing port and market, cold storage Number of Industrial Parks Number of tourists per year	Numerical, absolute	Provincial	BPS, 2019b BPS, 2016c, p. 37 JICA, 2015, p. 46 DAI, 2018, p. 74	Proxy No access No access No access
		[P] Number/share of exposed companies, markets and sectors				No data
<b>Physical assets</b>	<b>Exposed physical infrastructure</b>	Economic value of exposed housing, public and critical facilities to earthquake, tsunami, volcano, flood, flash floods, landslide, extreme waves and abrasion, extreme weather, droughts	Numerical, absolute	Provincial	BNPB, 2016 - RBI, p. 142ff	
		[P2030, 2045] Economic loss of physical infrastructure to earthquake, tsunami, volcano, flood, landslide, extreme waves and abrasion, extreme weather, flash floods	Numerical, absolute	Regional	Bappenas and BNPB, 2018 - RIPB, pp. 39-65	
	<b>Exposed villages</b>	Number of villages with riverbank settlements	Numerical, absolute	Provincial	BPS, 2018d	Proxies
		Number of coastal villages	Numerical, absolute	Provincial	BPS 2018b - PODES, p. 18	
		[P] Number/share of highly exposed villages				No data
<b>Exposed transport infrastructure</b>	Number of airports Number of (non-)commercial ports	Numerical, absolute Numerical, absolute	Provincial Regional	OurAirports, n.d BPS, 2018c - Sea Transportation Statistics, pp. 50-55	Proxies, more infrastructure needed	

		Railway length	Numerical, absolute	Provincial	Kemenhub, 2019, p. 19 Kemen PUPR, 2019 - Public Works and Housing Statistics, pp. 58-82 DAI, 2018, p. 44	No access
		Road length	Numerical, absolute	Provincial		No access
		Number of ships/boats				No access
		[P] Share of exposed transport infrastructure				No data
	<b>Exposed electric infrastructure</b>	Number of major power stations and dams	Numerical, absolute	Provincial	Kemen ESDM, 2018 - Electricity Statistics, p. 41f	Proxy
		[P] Share of exposed electric infrastructure				No data
	<b>Exposed health infrastructure</b>	Number of hospitals	Numerical, absolute	Provincial	Statista, 2018 BPS, 2011 [in: National Research Council, 2013, p. 47]	Proxies, more infrastructure needed
		Number of community health centres ( <i>Puskesmas</i> ) per people and per area	Numerical, relative	Provincial		
		[P] Share of exposed electric infrastructure				
	<b>Exposed education infrastructure</b>	Number of education facilities exposed to earthquakes	Numerical, absolute		PuSGeN, 2018 [in: BNPB, 2018, p. 45]	Proxy No access
		[P] Share of exposed education infrastructure				No data

**Table A3:** Vulnerability indicators used for the data analysis of the HEVA; [P] marks projections of future hazard levels. Indicators in grey font were not considered in the calculations due to limited access or availability.

	Factor	Indicators	Data type	Aggregation	Source	Quality
Human and well-being	<b>Poor health and well-being</b>	Number of health personnel per 1000 people	Numerical, relative	Provincial	BPS, 2016b	Proxies, more well-being categories needed
		Share of villages located >5km from health facility	Numerical, relative	Provincial	BPS 2014 - PODES [in: Kementan and WFP - FSVA, p. 59, pp. 131-150]	
		Number of hospital beds per 1000 people	Numerical, relative	Provincial	Kemenkes 2018 - Health Statistics, p. 50	
		Level of food availability	Categorical	Provincial	Kementan and WFP, 2015 - FSVA, p. 27	
		[P] Level of health and well-being				No data

	<b>Lack of education and skills</b>	Illiteracy rate	Numerical, relative	Provincial	BPS, 2020c	Proxies, more education characteristics categories needed
		Number of teachers without bachelor's degree	Numerical, absolute	Provincial	Kemendikbud 2018 - Education Statistics	
		Number of villages without education facility	Numerical, absolute	Provincial	BPS, 2020b	
		Share of population not using internet	Numerical, relative	Provincial	BPS, 2019f	
		[P] Level of education and skills				No data
	<b>Inequality</b>	Gini coefficient	Numerical, relative	Provincial	BPS, 2014 - SUSENAS [in: Kementan and WFP, 2015 - FSVA, p. 38]	
		[P] Gini coefficient				No data
	<b>Lack of assistance</b>	Dependency ratio	Numerical, relative	Provincial	BPS, 2020a	Proxies, more characteristics needed
		Share of households that cannot show social security card when asked	Numerical, relative	Provincial	BPS, 2019a – SUSENAS, p. 237	
		Share of households without PKH benefit	Numerical, relative	Provincial	BPS, 2019a – SUSENAS, p. 241	
		Number of households without food assistance	Numerical, absolute	Provincial	BPS, 2019c	
		[P] Level of assistance				No data
<b>Physical</b>	<b>Inadequate housing</b>	Share of households with insufficient living space, no access to safe drinking water, no access to sanitation facility, non-durable housing	Numerical, relative	Provincial	BPS, 2019e	Proxies, more characteristics needed
		Number of villages without access to state electricity ( <i>PLN</i> )	Numerical, absolute	Provincial	BPS, 2018b – PODES, p. 39	
		[P] Level of housing				
	<b>Poor transportation access and capability</b>	Number of villages without road or transportation access	Numerical, absolute	Provincial	Kementan and WFP, 2015 - FSVA, p. 45, pp. 131-150	Proxies, more characteristics needed
		Average boat size	Numerical, absolute		DAI, 2018, p. 44	
		[P] Level of transportation access & capability				No data
	<b>Poor information &amp;</b>	Number of villages with poor access to weather/climate information	Numerical, absolute		DAI, 2018	Proxy No access

	<b>communication infrastructure</b>	[P] level of information & communication infrastructure				No data
<b>Environmental</b>	<b>Poor environmental Quality and lack of environmental protection</b>	Level of environmental quality	Numerical, relative	Provincial	KLHK, 2018b – Environmental Quality Index, p. 25f	Proxies, more characteristics needed
		Highly critical land area	Numerical, absolute	Provincial	BPS, 2018e	
		Number of villages without environmental conservation activities	Numerical, absolute	Provincial	BPS, 2018b – PODES, p. 53	
		Unprotected forest area	Numerical, absolute	Provincial	BPS, 2018a	No access
		Areas affected by land use conversion (from wetland into dry land, housing or industry)	Numerical, absolute		KLHK and others, 2015, p. 28	No prov. data
		Area affected by deforestation	Numerical, absolute		Kementan and WFP, 2015 - FSVA, p. 103ff	No access
		Area affected by land burning practice	Numerical, absolute		KLHK, 2018, p. 15	No access
		Share of forest cover/green spaces	Numerical, relative		KLHK and others, 2015	No access
		Number of villages without garbage disposal service	Numerical, absolute		BPS, 2018b - PODES	
		[P] Level of poor environmental quality				No data
<b>Livestock vulnerability</b>	Beef cattle mortality rate	Numerical, relative	Provincial	Kementan, 2019 - Livestock and Animal Health Statistics, p. 189	Proxy	
		[P] Level of livestock vulnerability			No data	
<b>Agriculture vulnerability</b>	Number of villages without irrigation channel	Numerical, absolute	Provincial	BPS, 2018b – PODES, p. 45	Proxy	
	Non-irrigated paddies area	Numerical, absolute		KLHK and others, 2015, p. 29	No access	
		[P] Level of agriculture vulnerability			No data	
<b>Economic</b>	<b>Vulnerable livelihoods and employment</b>	Unemployment rate	Numerical, relative	Provincial	BPS, 2020d	
		Number of villages without market	Numerical, absolute	Provincial	BPS, 2018b – PODES, p. 132	Proxies
		Regional original revenue / income per capita	Numerical, absolute		KLHK and others, 2015, p. 4	No access
		[P] Share of vulnerable livelihoods				No data

	<b>Lack of financial buffer capacity</b>	Number of villages without bank	Numerical, absolute	Provincial	BPS, 2018b – PODES, p. 136	Proxies, more characteristics needed
		Number of villages without Micro Credit program ( <i>Kredit Usaha Rakyat</i> )	Numerical, absolute	Provincial	BPS, 2018b – PODES, p. 134	
		Share of household without asset/savings (gold/jewellery)	Numerical, relative	Provincial	BPS, 2019a – SUSENAS, p. 240	
		Number of villages without overseas workers	Numerical, absolute	Provincial	BPS, 2018b – PODES, p. 31	
		Share of households without insurance	Numerical, relative		DAI, 2017	
	[P] Level of financial buffer capacity				No access	
<b>Institutional</b>	<b>Lack of preparedness and response capacity</b>	Number of villages without early warning system	Numerical, absolute	Provincial	BPS, 2018f	Proxies, more characteristics needed
		Number of villages without evacuation route	Numerical, absolute	Provincial	BPS, 2018f	
		Share of schools participating in Climate Field School Program	Numerical, absolute	Provincial	BNPB, 2019 - Annual Report, p. 163	
		Number of “Non-Disaster Resilient” villages	Numerical, absolute	Provincial	BNPB, 2019 - Annual Report, p. 198ff	
		Number of schools participating in risk awareness (safe schools)	Numerical, absolute		Kemendikbud, 2017	
		Number of villages without contingency plan	Numerical, absolute		KLHK and others, 2015, p. 30	
	Number of villages without farmer's group/ association	Numerical, absolute		KLHK and others, 2015, p. 4		
	[P] Level of preparedness capacity				No access	
	<b>Lack of good governance</b>	Number of villages with Village Information System	Numerical, absolute	Provincial	BPS, 2018b – PODES, p. 159	Proxy
		Bureaucracy reform index			Kemen PANRB, 2011	No access
[P] Level of good governance					No data	

## Annex II: HEVA results for hazard, exposure, vulnerability and overall risk

**Table A4:** HEVA hazard, exposure, vulnerability and risk scores and rankings across provinces; orange: 5 highest ranked provinces, yellow: 6th to 10th highest ranked provinces.

Province	Region	Hazard		Exposure		Vulnerability		Risk	
		score	rank	score	rank	score	rank	score	rank
Papua	Papua	2.02	13	1.94	15	2.55	1	2.17	1
Maluku	Maluku	2.03	11	2.36	3	2.12	5	2.17	2
Central Sulawesi	Sulawesi	2.12	6	2.50	1	1.86	13	2.16	3
West Papua	Papua	2.02	12	1.91	16	2.42	2	2.12	4
Southeast Sulawesi	Sulawesi	2.04	10	2.18	8	2.08	6	2.10	5
East Nusa Tenggara	Nusa Tenggara	2.21	2	2.21	6	1.86	12	2.09	6
Aceh	Sumatra	2.34	1	2.23	4	1.64	21	2.07	7
North Maluku	Maluku	1.93	17	2.23	5	1.99	9	2.05	8
Gorontalo	Sulawesi	1.80	24	2.40	2	1.48	27	1.89	9
North Sulawesi	Sulawesi	2.17	3	1.97	13	1.53	25	1.89	10
Bengkulu	Sumatra	1.97	16	2.06	10	1.64	20	1.89	11
West Sumatra	Sumatra	1.99	15	2.20	7	1.34	30	1.84	12
West Sumatra	Sulawesi	1.84	22	2.06	9	1.61	22	1.84	13
South Kalimantan	Kalimantan	1.86	20	1.81	17	1.81	15	1.83	14
South Sulawesi	Sulawesi	1.78	26	2.00	12	1.67	18	1.82	15
West Nusa Tenggara	Nusa Tenggara	2.08	7	2.02	11	1.32	31	1.81	16
Central Kalimantan	Kalimantan	1.48	30	1.95	14	1.99	8	1.81	17
West Kalimantan	Kalimantan	1.57	29	1.63	20	2.18	3	1.79	18
North Sumatra	Sumatra	1.82	23	1.58	24	1.95	10	1.78	19
South Sumatra	Sumatra	1.86	21	1.47	26	1.89	11	1.74	20
Riau	Sumatra	1.47	31	1.59	22	2.15	4	1.73	21
Jambi	Sumatra	1.79	25	1.72	19	1.66	19	1.72	22
Lampung	Sumatra	1.87	19	1.58	24	1.61	23	1.69	23
East Kalimantan	Kalimantan	1.69	28	1.61	21	1.75	16	1.68	24
North Kalimantan	Kalimantan	1.43	32	1.72	19	1.85	14	1.67	25
East Java	Java & Bali	2.17	4	1.32	28	1.26	32	1.58	26
Central Java	Java & Bali	2.15	5	1.24	30	1.34	30	1.58	31
West Java	Java & Bali	2.06	9	1.19	32	1.45	28	1.57	28
Riau Islands	Sumatra	1.37	33	1.21	31	2.06	7	1.55	29
Banten	Java & Bali	1.90	18	1.13	33	1.53	26	1.52	30
Bangka-Belitung	Sumatra	1.36	34	1.48	25	1.56	24	1.47	31
Bali	Java & Bali	2.01	14	1.40	27	0.99	33	1.46	32
DKI Jakarta	Java & Bali	1.74	27	0.91	34	1.70	17	1.45	33
Yogyakarta	Java & Bali	2.07	8	1.25	29	0.91	34	1.41	34
	<i>min</i>	1.36		0.91		0.91		1.41	
	<i>max</i>	2.34		2.50		2.55		2.17	
	<i>average</i>	1.88		1.77		1.73		1.79	
	<i>range</i>	0.98		1.59		1.64		0.76	

**Table A5:** HEVA scores for hazard, exposure and vulnerability as well as subcomponents; orange: 5 highest ranked provinces, yellow: 6th to 10th highest ranked provinces.

		HAZARD				EXPOSURE					VULNERABILITY					
		climate-related	geo-physical	livelihood shocks	TOTAL	people & livelihoods	eco-nomic	physi-cal	environ-mental	TOTAL	human & social	eco-nomic	physi-cal	environ-mental	institu-tional	TOTAL
Sumatra	Aceh	2.18	2.94	2.14	<b>2.34</b>	2.05	2.70	1.84	3.00	<b>2.23</b>	1.24	2.40	1.20	1.80	1.80	<b>1.64</b>
	North Sumatra	1.85	2.78	1.14	<b>1.82</b>	2.00	1.50	1.40	1.50	<b>1.58</b>	1.41	2.18	1.80	1.70	2.87	<b>1.95</b>
	West Sumatra	1.94	2.63	1.65	<b>1.99</b>	2.45	2.70	1.88	2.10	<b>2.20</b>	1.39	1.20	1.50	1.25	1.33	<b>1.34</b>
	Riau	1.73	1.50	1.08	<b>1.47</b>	1.65	1.80	1.38	1.80	<b>1.59</b>	1.86	1.73	2.40	2.80	2.00	<b>2.15</b>
	Riau Islands	1.67	1.22	1.08	<b>1.37</b>	0.95	0.30	1.86	0.90	<b>1.21</b>	1.48	2.03	2.25	2.30	2.47	<b>2.06</b>
	Jambi	1.93	1.84	1.55	<b>1.79</b>	1.90	1.50	1.54	2.10	<b>1.72</b>	1.41	1.43	1.80	1.85	1.87	<b>1.66</b>
	South Sumatra	2.07	2.03	1.47	<b>1.86</b>	2.05	1.50	1.10	1.50	<b>1.47</b>	1.69	1.80	1.80	2.15	2.00	<b>1.89</b>
	Bangka-Belitung	1.89	0.97	0.90	<b>1.36</b>	0.95	1.50	2.14	0.60	<b>1.48</b>	1.20	1.58	1.05	1.95	2.00	<b>1.56</b>
	Bengkulu	1.83	2.81	1.59	<b>1.97</b>	2.45	2.10	1.80	2.10	<b>2.06</b>	1.48	1.58	1.65	2.00	1.53	<b>1.64</b>
	Lampung	2.03	2.72	1.11	<b>1.87</b>	1.70	2.10	1.10	2.10	<b>1.58</b>	1.39	1.58	1.95	1.30	2.00	<b>1.61</b>
Java & Bali	DKI Jakarta	2.03	1.66	1.40	<b>1.74</b>	0.95	0.30	1.26	0.60	<b>0.91</b>	1.58	1.50	0.75	1.85	2.47	<b>1.70</b>
	Banten	2.09	2.66	1.13	<b>1.90</b>	0.85	1.20	1.12	1.50	<b>1.13</b>	1.84	1.65	1.35	1.40	1.27	<b>1.53</b>
	West Java	2.24	2.78	1.35	<b>2.06</b>	1.30	1.50	1.00	1.20	<b>1.19</b>	1.69	1.58	1.05	1.35	1.40	<b>1.45</b>
	Central Java	2.48	2.72	1.33	<b>2.15</b>	1.30	2.10	0.88	1.20	<b>1.24</b>	1.61	1.43	0.60	1.20	1.53	<b>1.34</b>
	Yogyakarta	2.27	2.47	1.54	<b>2.07</b>	1.35	2.10	1.00	0.90	<b>1.25</b>	1.48	0.75	0.15	1.00	0.67	<b>0.91</b>
	East Java	2.42	2.66	1.51	<b>2.17</b>	1.65	1.80	0.86	1.50	<b>1.32</b>	1.28	1.35	0.75	1.20	1.60	<b>1.26</b>
	Bali	2.12	2.41	1.60	<b>2.01</b>	1.15	1.80	1.58	0.90	<b>1.40</b>	1.59	0.83	0.45	0.85	0.80	<b>0.99</b>
Kali-mantan	West Kalimantan	2.19	1.41	0.84	<b>1.57</b>	2.00	1.20	1.76	1.20	<b>1.63</b>	2.16	2.03	2.70	1.75	2.40	<b>2.18</b>
	Central Kalimantan	1.98	1.38	0.89	<b>1.48</b>	1.80	1.20	2.40	1.80	<b>1.95</b>	1.46	1.88	2.85	2.20	2.00	<b>1.99</b>
	South Kalimantan	2.02	1.50	1.90	<b>1.86</b>	2.00	1.80	1.82	1.50	<b>1.81</b>	1.54	1.43	2.25	2.10	1.87	<b>1.81</b>
	East Kalimantan	2.07	1.84	1.07	<b>1.69</b>	1.15	0.90	1.98	2.10	<b>1.61</b>	1.50	1.58	2.10	1.70	2.00	<b>1.75</b>
	North Kalimantan	1.96	1.66	0.59	<b>1.43</b>	1.30	0.90	2.02	2.40	<b>1.72</b>	1.43	1.95	2.25	1.85	2.07	<b>1.85</b>

		HAZARD				EXPOSURE					VULNERABILITY					TOTAL
		climate-related	geo-physical	livelihood shocks	TOTAL	people & livelihoods	Economic	Physical	environmental	TOTAL	human & social	economic	physical	environmental	institutional	
Sulawesi	North Sulawesi	2.21	2.84	1.66	<b>2.17</b>	1.95	1.80	2.36	1.20	<b>1.97</b>	1.41	2.63	1.05	1.75	1.07	<b>1.53</b>
	Gorontalo	1.97	2.47	1.13	<b>1.80</b>	2.10	3.00	2.10	3.00	<b>2.40</b>	1.50	1.88	1.20	1.60	1.27	<b>1.48</b>
	Central Sulawesi	2.06	2.53	1.93	<b>2.12</b>	2.55	3.00	2.44	2.10	<b>2.50</b>	1.69	1.95	2.25	1.75	1.87	<b>1.86</b>
	West Sulawesi	2.13	1.75	1.51	<b>1.84</b>	2.65	1.80	1.80	2.10	<b>2.06</b>	1.31	1.58	2.40	1.80	1.33	<b>1.61</b>
	South Sulawesi	2.49	1.56	0.97	<b>1.78</b>	2.10	2.40	1.50	2.70	<b>2.00</b>	1.61	1.35	1.65	1.50	2.13	<b>1.67</b>
	Southeast Sulawesi	2.35	1.84	1.76	<b>2.04</b>	1.90	2.70	2.16	2.10	<b>2.18</b>	1.80	1.88	1.80	2.25	2.60	<b>2.08</b>
Nusa Tenggara	West Nusa Tenggara	2.18	2.59	1.63	<b>2.08</b>	1.95	2.10	1.64	3.00	<b>2.02</b>	1.37	0.98	1.35	1.60	1.20	<b>1.32</b>
	East Nusa Tenggara	2.19	2.59	1.96	<b>2.21</b>	2.35	2.40	1.98	2.40	<b>2.21</b>	1.58	1.88	2.25	1.85	2.00	<b>1.86</b>
Maluku	Maluku	1.99	2.66	1.66	<b>2.03</b>	1.95	2.10	2.82	2.10	<b>2.36</b>	1.80	2.85	2.85	2.15	1.53	<b>2.12</b>
	North Maluku	2.15	2.78	1.06	<b>1.93</b>	2.10	1.80	2.88	1.20	<b>2.23</b>	1.71	2.70	2.10	2.20	1.60	<b>1.99</b>
Papua	West Papua	1.86	1.84	2.36	<b>2.02</b>	2.10	0.60	2.60	1.20	<b>1.91</b>	2.01	2.78	2.70	2.55	2.40	<b>2.42</b>
	Papua	1.92	2.06	2.13	<b>2.02</b>	2.45	0.90	2.10	1.80	<b>1.94</b>	2.51	2.40	3.00	2.10	2.87	<b>2.55</b>

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