Figure SM 1. Study Location

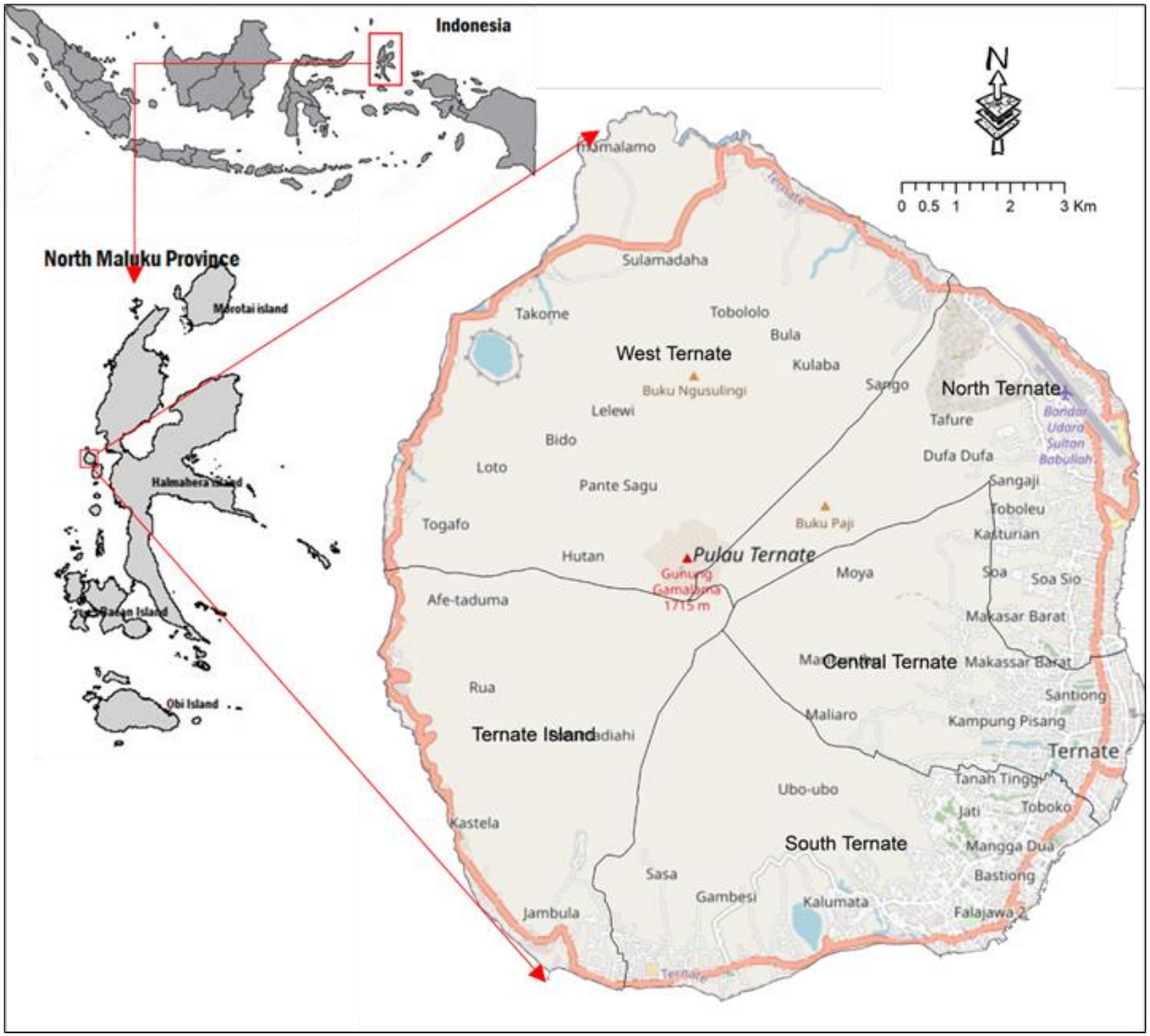


Table SM 1. Parameters, code, question and number of answers “yes” of respondents

	Parameters	Code		Question items	Number of "yes" answered	%
Individual/ Households Preparedness	A. Knowledge and Attitude (KA)	KA1	1	Is a natural disaster a natural event that can cause damage to nature and harm to humans?	770	99%
		KA2	2	Do you think earthquakes, tsunamis, floods, landslides, volcanic eruptions, extreme waves, abrasion and droughts are examples of types of disasters?	756	97%
		KA3	3	Is the location of your residence vulnerable to earthquake disasters?	752	96%
		KA4	4	Do you think earthquakes occur because the earth's plates shift?	758	97%
		KA5	5	In your opinion, if an earthquake occurs, should we not panic, protect our heads, run out of the room and look for a safe place?	768	98%
		KA6	6	In your opinion, is a building made of light materials, a solid foundation, and has strong supporting pillars a building that is safe from earthquakes?	663	85%
		KA7	7	Is the location of your residence vulnerable to a Tsunami disaster?	593	76%
		KA8	8	Do you think an earthquake can cause a tsunami?	701	90%
		KA9	9	In your opinion, if a Tsunami occurs, to save ourselves we must run to high ground?	765	98%
		KA10	10	Is the location of your residence vulnerable to volcanic eruptions?	770	99%
		KA11	11	Do you understand the steps that need to be taken if a volcanic eruption occurs?	697	89%
		KA12	12	Is the location of your residence vulnerable to flood disasters?	702	90%
		KA13	13	Do you understand the steps that need to be taken if a flood occurs?	702	90%
		KA14	14	Has your family ever carried out simulations or training for dealing with earthquake disasters?	233	30%
		KA15	15	Has your family ever carried out simulations or training for dealing with a Tsunami disaster?	234	30%
		KA16	16	Has your family ever carried out simulations or training for dealing with volcanic eruptions?	239	31%
		KA17	17	In your opinion, does your current home consider the risk of disasters such as earthquakes, tsunamis, floods, volcanic eruptions and landslides?	413	53%
		KA18	18	Do you think climate change can cause disaster because high rainfall and rising air temperatures can cause floods and drought?	735	94%
	B. Emergency Preparedness (EP)	EP1	19	Is there a division of duties among family members in rescue actions in the event of a disaster emergency?	285	36%
		EP2	20	Does your family have evacuation plan and gathering places in the event of a volcanic eruption, earthquake and/or tsunami?	223	29%

		EP3	21	If your home and/or family are victims of an earthquake, tsunami or other disaster, is there anyone in your family/relatives who is willing to help provide temporary shelter?	699	90%
		EP4	22	Is there a First Aid Kit for Accidents or essential medicines for first aid at your house?	537	69%
		EP5	23	Has anyone in your family ever attended First Aid in Accident training?	355	45%
		EP6	24	Does your family prepare a budget for disaster preparedness?	392	50%
		EP7	25	Has your family prepared fast food, drinks and emergency response equipment such as tents, blankets and so on in case a disaster occurs?	249	32%
		EP8	26	Does your family have communication tools available in the family such as cell phones, radios, or HTs that can be used during disaster emergency response?	609	78%
		EP9	27	Has your family prepared lighting equipment such as flashlights, generators, emergency lights during emergency response?	520	67%
		EP10	28	Has your family prepared a bag containing important documents, medicine and disaster preparedness equipment?	543	70%
		EP11	29	Is there a family member who is assigned the task of preparing and monitoring the disaster preparedness bag in the event of an emergency response situation?	306	39%
		EP12	30	Do you have a contact number that can be contacted in the event of an emergency response, such as the contact number for BPBD Ternate City, Police, TNI, SAR, Hospital and Fire Department?	391	50%
		EP13	31	Is it easy for you to access important facilities such as health centres, hospitals, fire departments and police stations in emergency response conditions?	580	74%
	C. Disaster Warning System (WS)	WS1	32	Does your family have a disaster warning system in place?	191	24%
		WS2	33	Is there a source of information available in the family regarding earthquakes, tsunamis and/or volcanic eruptions?	551	71%
		WS3	34	Is it easy for your family to access disaster information?	646	83%
		WS4	35	Does your family share information with each other when a disaster occurs?	468	60%
Community capacity	D. Community Capacity (CC)	CC1	36	Does your community (RT, RW or sub-district level) have tsunami evacuation maps and signs?	381	49%
		CC2	37	Does your community (RT, RW or sub-district level) have evacuation maps and signs for volcanic eruptions?	430	55%
		CC3	38	Does your community (RT, RW or Subdistrict level) have flood disaster evacuation maps and signs?	292	37%
		CC4	39	Has your community (RT, RW or Subdistrict level) determined the location for temporary evacuation (shelter)?	225	29%
		CC5	40	Do you and/or your family members know and understand the disaster evacuation map and signs?	431	55%

		CC6	41	Has disaster evacuation simulation/drill ever been carried out in your community (RT, RW or sub-district level)?	251	32%
		CC7	42	If disaster evacuation simulation/drills have ever been carried out at the RT, RW or sub-district level, were you or your family members involved in the activity?	239	31%
		CC8	43	Does your community (RT, RW or sub-district level) have emergency response plan?	318	41%
		CC9	44	Does your community (RT, RW or sub-district level) have volunteers?	320	41%
		CC10	45	Are there information boards/pamphlets available at the community level (RT, RW, or Subdistrict) regarding tsunami, earthquake, volcano, landslide, flood, etc. disasters?	276	35%
		CC11	46	Does your community (RT, RW or sub-district level) have a traditional or modern disaster warning system available?	305	39%
		CC12	47	Is the early warning system frequently tested?	177	23%
		CC13	48	Do your community share information about disaster conditions via radio, social media such as Facebook, SMS, Video or WhatsApp, etc.?	573	73%

Table SM 2. Multinomial logistic regression analysis result

Model Fitting Information

	Model Fitting Criteria	Likelihood Ratio Tests		
Model	-2 Log Likelihood	Chi-Square	df	Sig.
Intercept Only	439.913			
Final	397.625	42.288	15	**<0.001**

Goodness-of-Fit

	Chi-Square	df	Sig.
Pearson	190.843	172	**0.155**
Deviance	229.502	172	0.002

Pseudo R-Square

Cox and Snell	0.053
Nagelkerke	**0.074**
McFadden	0.043

Likelihood Ratio Tests

	Model Fitting Criteria	Likelihood Ratio Tests		
Effect	-2 Log Likelihood of Reduced Model	Chi-Square	df	Sig.
Intercept	397.625[a]	0.000	0	
Gender [X1]	397.762	0.137	1	0.711
Age [X2]	406.670	9.045	2	0.071
Education [X3]	412.751	15.0126	4	**0.004**
Marital [X4]	397.713	0.088	1	0.767
Occupation [X5]	408.311	10.686	4	**0.030**
Long stay [X6]	405.207	7.582	3	**0.045**

The chi-square statistic is the difference in -2 log-likelihoods between the final model and a reduced model. The reduced model is formed by omitting an effect from the final model. The null hypothesis is that all parameters of that effect are 0.

a. This reduced model is equivalent to the final model because omitting the effect does not increase the degrees of freedom.

Table SM 3. Parameter estimates table

Parameter Estimates

category [Y][a]		B	Std. Error	Wald	df	Sig.	Exp(B)	95% Confidence Interval for Exp(B) Lower Bound	Upper Bound
Almost Prepared [Y1]	Intercept	**-0.888**	0.437	4.133	1	0.042			
	[Gender [X_{11}]	0.065	0.175	0.137	1	0.711	1.067	0.757	1.504
	[Gender [X_{12}]	0[b]			0				
	[Age [X_{21}]	-0.470	0.354	1.763	1	0.184	0.625	0.313	1.251
	[Age [X_{22}]	0.252	0.244	1.067	1	0.302	1.287	0.797	2.077
	[Age [X_{23}]	0[b]			0				
	[Education [X_{31}]	0.014	0.780	0.000	1	0.985	1.015	0.220	4.681
	[Education [X_{32}]	0.064	0.422	0.023	1	0.880	1.066	0.466	2.437
	[Education [X_{33}]	**-0.655**	0.398	2.719	1	**0.009**	0.519	0.238	1.132
	[Education [X_{34}]	-0.543	0.395	1.891	1	0.169	0.581	0.268	1.260
	[Education [X_{35}]	0[b]			0				
	[Marital [X_{41}]	0.087	0.293	0.088	1	0.767	1.091	0.614	1.938
	[Marital [X_{42}]	0[b]			0				
	[Occupation [X_{51}]	0.045	0.263	0.030	1	0.863	1.047	0.625	1.751
	[Occupation [X_{52}]	**0.606**	0.300	4.086	1	**0.043**	1.832	1.019	3.296
	[Occupation [X_{53}]	**-0.464**	0.365	1.611	1	**0.204**	0.629	0.307	1.287
	[Occupation [X_{54}]	0.202	0.378	0.284	1	0.594	1.223	0.583	2.567
	[Occupation [X_{55}]	0[b]			0				
	[Long stay [X_{61}]	0.266	0.270	0.975	1	0.323	1.305	0.769	2.215
	[Long stay [X_{62}]	**0.670**	0.287	5.450	1	**0.020**	1.954	1.113	3.430
	[Long stay [X_{63}]	**0.428**	0.204	4.390	1	**0.036**	1.535	1.028	2.291
	[Long stay [X_{64}]	0[b]			0				

a. The reference category is: Prepared [Y2].

b. This parameter is set to zero because it is redundant.