

DEVELOPING DISASTER LITERACY TOWARDS DISASTER RESILIENT SCHOOL

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Indonesia is in the ring of fire

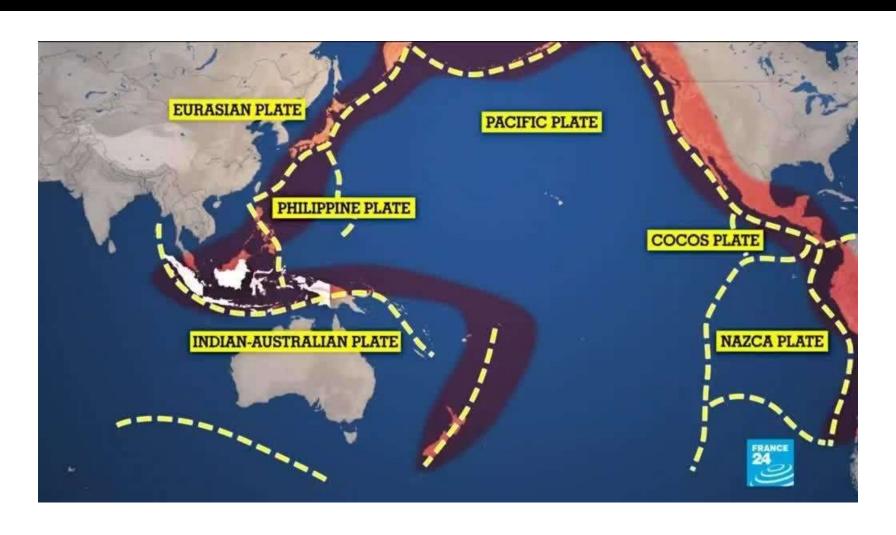
Potential for earthquake and tsunami disaster

Indonesia is an tropics archipelago

Potential for hydrometeorological disaster such as landslide, flood and drought

Disaster Vulnerability in Indonesia

Indonesia is in The Ring of Fire



Geographical Location of Indonesia

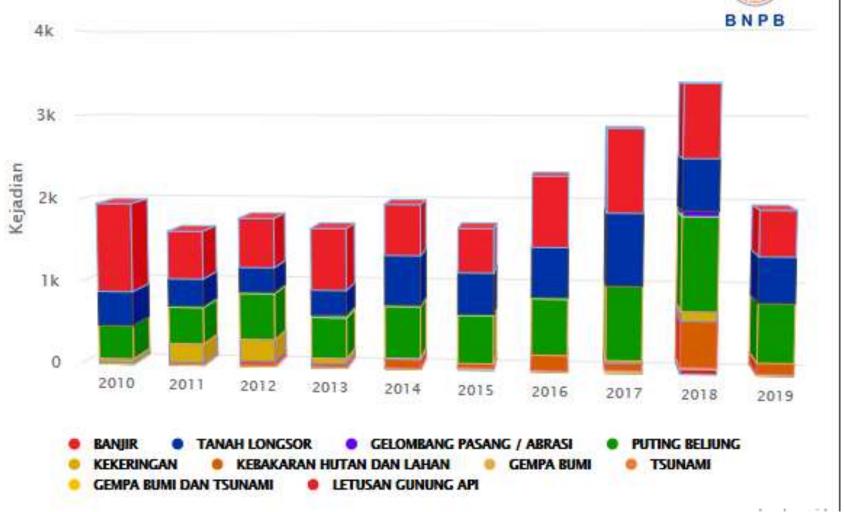


Disaster Data in 2018

Based on BNPB data, total disaster happened in several locations in Indonesia in 2018 was 2.564 disaster which caused 3.349 deaths, 1.432 people missing, 21.064 injuries, 10,2 million people was evacuated and affected, and 319.527 broken property. The lost was calculated over 100 billion rupiahs.







The main factor causing the large number of deaths and broken property is the lack of public knowledge about the disasters threat in the region

Video: <u>Ponorogo disaster</u>

The Governor will become the Commander of the Emergency Task Force and the Regional Police Chief to become the Deputy Commander of the Task Force

Massive involvement of academics and experts to predict hazards, anticipate and reduce the impact of disasters, and dissemination of the results of studies and research

Spatial Planning, Design and Development Must Pay Attention to Disaster Prone Maps



Development of an Integrated Early Warning System Based on Recommendations from Experts and coordinated by BNPB

Disaster education must start this year especially in disaster prone areas

Perform a Simulated and Continuous Disaster Management Exercise

National Disaster Management Coordination Meeting 2019

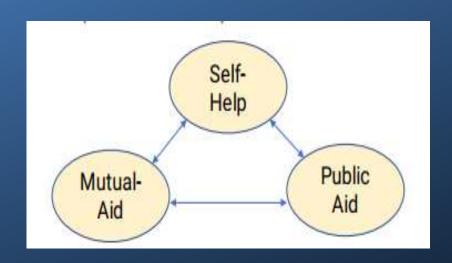


United Nations Educational, Scientific and Cultural Organization (UNESCO) and the United Nations International Strategy for Disaster Risk Reduction (UNISDR) have promoted the disaster prevention education at school since 2006 with the goals of incorporating disaster risk reduction knowledge into relevant sections of school curricula encouraging the application of disaster-resisting building codes to school buildings for better campus safety

DISASTER RESILIENT SCHOOL/CAMPUS

 Is a school which are able to understand and minimize disaster risk faced and and could immadiately revieve and back to normal activity after affected by a disaster

- Reduce Failure
 Probabilities
- Reduced consequences from failure
- Reduced time to recovery (Bruno, 2003)



Resilience Size

Key Messages for Making School Disaster Resilient

(1) Risk Understanding (2) Governance or policy (3) Physical and digital infrastructure (4) Preparedness Education and Training (5) Physical and Psychosocial Assistance





Literacy is the ability to identify, understand, interpret, create, communicate and compute, using printed and written materials associated with varying context (UNESCO, 2005)

Disaster literacy is defined here as an individual's ability to read, understand, and use information to make decisions based on information and follow instructions in the context of mitigation, preparation, response, and recovery from disaster (Brown, 2014)

Disaster Literacy Program is developed by:



Promotion of disaster risk reduction knowledge in community learning centers



Integration of disaster risk reduction in literacy learning materials;



Implementation of disaster mitigation



Development of training and learning programs in disaster risk reduction

Building Disaster Prevention Literacy

Table 1	Dimensions.	categories, and	descriptors of	f disaster	prevention literacy.
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Table 1	Dimensions, categories, and de	scriptors of disaster prevention literacy.		
Dimension Category		Descriptor		
Knowle	dge			
Dis	aster knowledge	549 Sec. 25 40		
	Synthesize and analyze the defi	nitions and causes of various disasters		
	Explain the impacts and harms	of disasters to humans and their environment		
Pre	paredness knowledge			
	Develop the disaster mitigation	procedures		
i .	Make the action plan of disaste	r mitigation and preparedness		
Re	ponse knowledge	111 11		
	Decide the response procedures	in the event of a disaster		
	Design the measures of post-dis	saster rescues and medical cares		
Attitude				
Pre	vention awareness			
	Evaluate the environment comprehensively and recognize the potential hazards			
	Synthesize and analyze the disa	ster-related information proactively		
Pre	vention values			
	Promote the importance of disa	ster prevention, disaster relief, and evacuation plan		
	Explain the relation between di	saster prevention and social cost		
Pre	vention sense of responsibility			
e source	Organize the promotion of cam	pus and community disaster prevention		
	Plan the execution of campus e	vacuation and shelter placement		
Skills		-20		
Pre	paredness action			
n i	Plan the escape routes and sites in the event of a disaster			
ři .	Plan and participate in the drills	and training for disaster prevention and relief		
Res	ponse behaviors			
	Ensure self-safety and help other	ers to escape in the event of a disaster		
č	Cooperate during the evacuation	n and shelter placement		

Aplication at School

Material of disaster

At university, disaster subjects are only given in certain departments

At the high school level, disaster material is in class X under the name mitigation and adaptation to natural disasters

At the junior high school and elementary school level, disaster material is not explicitly available in the curriculum

School elements

Buildings,

Facilities and infrastructure,

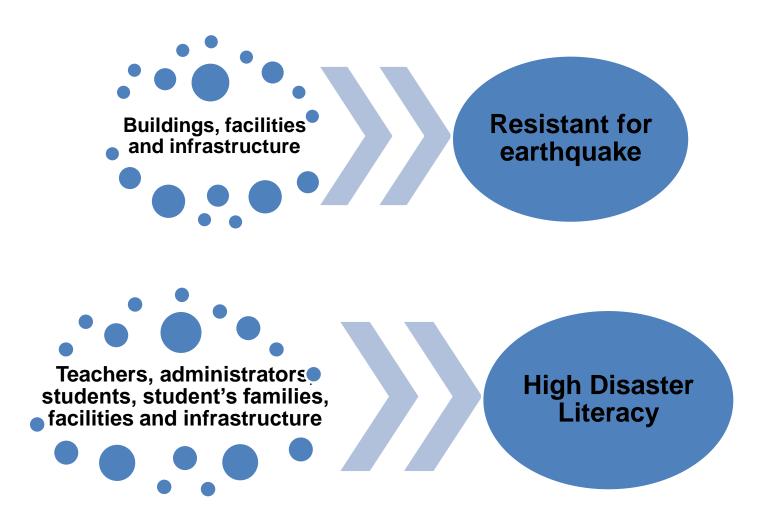
Teachers,

Administrators,

Students

Students' families

Building Disaster Resilient Schools



Increasing
Disaster
Literacy
at The
University
Level



convince the leadership of the importance of disaster literacy



Introduce the importance of disaster literacy to the academic community



invite students in disaster mitigation activities

Increasing Disaster Literacy At School

Increasing disaster literacy Teacher, administrator, Students, Student's family about:

- Knowledge
- Attitude
- Skills

