

TSUNAMI HAZARD MITIGATION IN INDONESIA

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Abstract

The rate of population growth and magnitude of development along Indonesian coast presents many challenges. One of these challenges is to ensure the safety and security of a population and facilities that is periodically subjected to catastrophic tsunami disasters. Significant initiatives are under way to minimize the impacts from tsunami disasters through better preparedness and a more informed public.

An effort to reduce the number of lives lost and the amount of property damaged in coastal areas, methods for predicting tsunami disaster events and impacts, mobilizing the public to move out of harm's way, and reducing overall exposure and vulnerability in the highest tsunami disaster locations are being improved.

This paper presents the implementation efforts to mitigate tsunami hazard in coastal and small islands in Indonesia. Structural counter measure and non-structural counter measure were developed to mitigate tsunami hazard. The coastal environment are very sensitive and dynamic, therefore all of development of coastal disaster hazard should be designed and planned in the integrally with the Integrated Coastal Zone Management (ICZM) concept.