

The problem of forensic odontology for victim identification of mass disaster In Yogyakarta, Indonesia

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POSTER PRESENTATION

J Forensic Odontostomatol
2017 Nov 1; Supp1(35): 115
ISSN :2219-6749

ABSTRACT

Background:Indonesia is a country which has high risk of disaster, due to its geographical area. Volcano eruption, earth quakes, flood, fire, mass transportation accidents, etc are frequently happened in our country. We established National DVI team to manage the victim identification in mass disaster. Forensic odontology is one of the primary method which is fast, accurate, and low cost, however, at present, it is not easily implemented in our country, especially, Yogyakarta.

Aim: To report the implementation of forensic odontology in mass disaster of Yogyakarta, Indonesia.

Methods: Analyze the use of forensic odontology from the data of victim's identification result of three mass disaster happened in Yogyakarta, which are : Yogyakarta earthquake (2004), Garuda Indonesian Airplane accidents (2006) , and Merapi volcano eruption (2010).

Results: Forensic odontology identified the victim in : 2006 Yogyakarta earthquake 0%; in 2006 Garuda Indonesian Airplane accidents 95 % ; and 2010 Merapi volcano eruption 0%

Conclusion: Due to lack of antemortem data, forensic odontology is difficult to be implemented as an identification method of mass disaster in Yogyakarta, Indonesia.