THE 11th ASIAN CONGRESS OF ORAL AND MAXILLO-FACIAL RADIOLOGY

The Pivotal Role of Oral and Maxillofacial Radiology in Dentistry

November 10-12, 2016

The Empress International Convention Center,
Chiang Mai, Thailand
Oral health behavior in the communities of different radon levels in Indonesia

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**Introduction:** According to the theory of Hendrik L. Blum (Health Determinant Factor), environment and behavior are the main factors that affect health and disease status in humans. People who expose to radon need to pay more attention to oral health behaviors because radon radiation can affect the oral health.

**Objectives:** The aim of the present was to explore dental and oral behavior in the Gunung Masigt Village with radon levels 24.8±29 Bq/m³ and Cipatat Village 16.6±24 Bq/m³.

**Materials and methods:** The present study was an observational study with cross-sectional method. The survey was conducted by WHO Oral Health Self-Assessment question questionnaire. The survey had been done in 100 samples.

**Result:** The population who present a healthy tooth and gum in Gunung Masigt and Cipatat Village were 73% and 72%, respectively. In addition, the percentage of good brushing frequency and eating habits were 81.83% and 86.16%, respectively. The percentage of visiting dentist every 6 month in people who live in Gunung Masigt and Cipatat Village were 0% and 18%, respectively.

**Conclusions:** Based on Self-Assessment question, oral health behavior of the samples in Gunung Masigt Village and Cipatat Village seems good. However, poor oral health behavior still presents in the population of both village and could impact to the function of mastication, speech, psychology, and social.

**Keywords:** Radon, Dental and oral health behavior