

THE CORRELATION BETWEEN OBESITY AND CONDITION OF
PERIODONTAL TISSUE IN THE COMMUNITY
HEALTH CENTER IN RANGGO,
WEST NUSA TENGGARA

Ivo Mari Sari*, Herastuti Sulistyani, Etty Yuniarly
Department of Dental Nursing of the Ministry of Polytechnic Yogyakarta
Jl. Kyai Mojo No. 56 Yogyakarta
*Email : ivomariasari93@gmail.com

ABSTRACT

Background: Obesity and periodontal disease are chronic condition which prevalence tends to increase. Periodontal tissue disease is an inflammation caused by bacteria and the process began with inflammation on the gingiva until the loss of alveolar bone.

Objectives: To investigate the correlation between obesity and condition of periodontal tissue in the Community Health Center in Ranggo, West Nusa Tenggara.

Method: This research was observational analytical with *cross sectional*. This research was conducted from October-December 2018. The population of this research is obese people in Community Health Center in Ranggo. Samples were collected using *purposive sampling*. Data were obtained from the measurements of body weight and height with the Body Mass Index and the examination of periodontal tissue conditions with the Community Periodontal Index. Data were analyzed using *Kendall's tau-b*.

Results: The level of obesity in the Community Health Center of Ranggo was included level II 60% with periodontal condition was in poor criteria 72,5%. The analysis on correlation between obesity and the condition of periodontal tissue of the Community Health Center in Ranggo was $p = 0.011$.

Conclusion: Obesity has correlation with the condition of periodontal tissue in the Community Health Center of Ranggo, West Nusa Tenggara.

Keywords: Obesity, condition of periodontal tissue, Ranggo community

HUBUNGAN OBESITAS DENGAN KONDISI JARINGAN PERIODONTAL MASYARAKAT DI WILAYAH PUSKESMAS RANGGO NTB

Ivo Maria Sari*, Herastuti Sulistyani, EttyYuniarly
Jurusan perawatan Gigi Poltekkes Kemenkes Yogyakarta,
Jl. Kyai Mojo No. 56 Yogyakarta
*Email : ivomariasari93@gmail.com

ABSTRAK

Latar Belakang : Obesitas dan penyakit periodontal merupakan kondisi kronis yang prevalensinya cenderung meningkat. Penyakit jaringan periodontal merupakan peradangan atau inflamasi yang disebabkan oleh bakteri dan prosesnya dimulai dari inflamasi pada gingiva sampai hilangnya tulang penyangga gigi.

Tujuan Penelitian : Diketuinya hubungan obesitas terhadap kondisi jaringan periodontal di wilayah Puskesmas Ranggo, NTB.

Metode Penelitian : Jenis penelitian yang digunakan adalah observasi analitik dengan desain penelitian *cross sectional*. Penelitian dilaksanakan pada Oktober-Desember 2018. Populasi penelitian adalah masyarakat yang mengalami obesitas di wilayah Puskesmas Ranggo. Sampel menggunakan teknik *purposive sampling*. Data diperoleh dari pengukuran berat badan dan tinggi badan, penghitungan Indeks Masa Tubuh dan pemeriksaan kondisi jaringan periodontal dengan *Community Peridontal Indeks*. Analisis data menggunakan *Kendall's tau-b*.

Hasil Penelitian : Masyarakat obesitas di wilayah Puskesmas Ranggo mengalami obesitas tingkat II 60% dengan kondisi jaringan periodontal kriteria buruk 72,5%. Hasil uji korelasi menunjukkan ada hubungan obesitas dengan kondisi jaringan periodontal masyarakat di wilayah Puskesmas Ranggo $p = 0,011$.

Kesimpulan : Obesitas berhubungan dengan kondisi jaringan periodontal masyarakat di Wilayah Puskesmas Ranggo, NTB.

Kata Kunci : Obesitas, kondisi jaringan periodontal, masyarakat Ranggo