

SKRIPSI

**HUBUNGAN HIPERTENSI BERDASARKAN *OFFICE BLOOD
PRESSURE MEASUREMENT* DENGAN TINGKAT
PERIODONTITIS PADA PASIEN LANJUT USIA
DI PUSKESMAS BELIMBING PADANG**



No. BP 2211412034

**FAKULTAS KEDOKTERAN GIGI
UNIVERSITAS ANDALAS
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**Sebagai salah satu syarat
untuk memperoleh gelar sarjana
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Oleh: Arya Nugraha

ABSTRAK

Latar Belakang: Hipertensi dan periodontitis termasuk masalah kesehatan yang banyak dialami oleh kelompok lanjut usia. Hubungan antara kedua kondisi tersebut perlu diperhatikan karena sama-sama berkaitan dengan proses inflamasi kronis dan berperan penting dalam pelayanan puskesmas. **Tujuan Penelitian:** Mengetahui hubungan hipertensi berdasarkan *office blood pressure measurement* dengan tingkat periodontitis pada pasien lanjut usia di Puskesmas Belimbing Padang. **Metode Penelitian:** Penelitian ini merupakan penelitian observasional analitik dengan pendekatan *cross sectional*. Sampel berjumlah 48 pasien lanjut usia berusia ≥ 60 tahun yang dipilih dengan teknik *purposive sampling*. Hipertensi berdasarkan *office blood pressure measurement* diperoleh melalui pengukuran pada hari penelitian dan data pengukuran satu bulan sebelumnya dari rekam medis puskesmas. Tingkat periodontitis dinilai menggunakan *modified half reduced CDC/AAP definition*. Analisis statistik menggunakan uji *chi square*. **Hasil Penelitian:** Sebanyak 25 responden (52,1%) berada pada kategori hipertensi dan 23 responden (47,9%) memiliki tekanan darah normal. Periodontitis berat merupakan kategori terbanyak, yaitu 19 responden (39,6%), diikuti periodontitis sedang 15 responden (31,3%) dan ringan 14 responden (29,2%). Kelompok responden dengan tekanan darah normal lebih banyak mengalami periodontitis ringan, yaitu 12 responden (52,2%). Responden dengan hipertensi paling banyak mengalami periodontitis berat, yaitu 17 responden (68%). Hasil uji *chi square* menunjukkan nilai $p < 0,001$. **Kesimpulan:** Hipertensi berdasarkan *office blood pressure measurement* memiliki hubungan yang bermakna dengan tingkat periodontitis pada pasien lanjut usia di Puskesmas Belimbing Padang.

Kata Kunci: Hipertensi, Periodontitis, OBPM, Lanjut Usia, Puskesmas Belimbing Padang.



ASSOCIATION BETWEEN HYPERTENSION DETERMINED BY OFFICE BLOOD PRESSURE MEASUREMENT AND LEVEL OF PERIODONTITIS IN OLDER PATIENTS AT BELIMBING PADANG PUBLIC HEALTH CENTER

By: Arya Nugraha

ABSTRACT

Background: Hypertension and periodontitis were common health problems among older adults. The relationship between these two conditions needed attention because both were associated with chronic inflammatory processes and had an important role in primary health care. **Objective:** This study aimed to determine the association between hypertension based on office blood pressure measurement and severity of periodontitis in older patients at Belimbing Padang Public Health Center. **Methods:** This study was an analytical observational study with a cross sectional design. A total of 48 older patients aged ≥ 60 years were selected using purposive sampling. Clinic blood pressure was obtained through measurements conducted on the day of the study and blood pressure data recorded one month earlier in the public health center medical records. Severity of periodontitis was assessed using the modified half reduced CDC/AAP definition. Statistical analysis was performed using the chi square test. **Results:** A total of 25 respondents (52.1%) were categorized as having hypertension, while 23 respondents (47.9%) had normal blood pressure. Severe periodontitis was the most frequent category, found in 19 respondents (39.6%), followed by moderate periodontitis in 15 respondents (31.3%) and mild periodontitis in 14 respondents (29.2%). Respondents with normal blood pressure mostly experienced mild periodontitis, totaling 12 respondents (52.2%). Respondents with hypertension mostly experienced severe periodontitis, totaling 17 respondents (68%). The chi square test showed a p-value of <0.001 . **Conclusion:** Hypertension based on office blood pressure measurement had a significant relationship with severity of periodontitis among older adult patients at Belimbing Padang Public Health Center. **Keywords:** Hypertension, Periodontitis, OBPM, Older Adults, Belimbing Padang Public Health Center.

