

# HUBUNGAN DIABETES MELITUS TIPE 2 DENGAN KEGOYANGAN GIGI PASIEN DI UPTD PUSKESMAS RAWAT INAP CITOREK KECAMATAN CIBEBER KABUPATEN LEBAK

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## ABSTRAK

**Latar belakang:** Penyakit diabetes merupakan salah satu PTM dimana terjadinya peningkatan kadar glukosa di dalam darah yang menyebabkan hiperglikemi. Komplikasi Diabetes Melitus yang cukup serius di bidang kedokteran gigi adalah *oral diabetic*, yang salah satunya peningkatan derajat kegoyangan gigi, karena kadar gula darah tinggi merusak pembuluh darah gusi dan tulang penyangga gigi. Data penyakit Diabetes Melitus Tipe 2 sebanyak 48 orang tahun 2024 dan periode bulan Januari sampai dengan Juni 2025 sebanyak 32 orang. **Tujuan penelitian:** Penelitian ini bertujuan untuk mengetahui hubungan diabetes melitus tipe 2 dengan kegoyangan gigi pasien di UPTD Puskesmas Rawat Inap Citorek Kecamatan Cibeber Kabupaten Lebak. **Metodologi:** metode yang digunakan adalah analitik dengan pendekatan *cross sectional*, populasi 30 orang pasien diabetes melitus tipe 2 peserta Prolanis dengan menggunakan teknik *total sampling*. Instrumen penelitian menggunakan form pemeriksaan Indeks Kegoyangan Gigi (*Miller's Mobility Index*). Analisa data menggunakan uji statistika dengan uji korelasi *Rank Spearman*. **Hasil penelitian:** Kondisi diabetes melitus tipe 2 sebagian besar menderita diabetes (83,3%) dan kondisi kegoyangan gigi pada pasien sebagian besar kriteria berat (76,7%). Analisis hubungan antara diabetes melitus tipe 2 dengan kegoyangan gigi pasien didapatkan nilai *p-value*= 0,034 kurang dari 0,05. **Kesimpulan:** Terdapat hubungan antara diabetes melitus tipe 2 dengan kegoyangan gigi pasien di UPTD Puskesmas Rawat Inap Citorek Kecamatan Cibeber Kabupaten Lebak.

Kata Kunci : Diabetes Melitus, Kegoyangan Gigi, Prolanis

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**THE RELATIONSHIP BETWEEN TYPE 2 DIABETES MELLITUS AND  
TOOTH LOSS IN PATIENTS AT THE CITOREK INPATIENT  
COMMUNITY HEALTH CENTER, CIBEBER DISTRICT,  
LEBAK REGENCY**

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**ABSTRACT**

*Background: Diabetes is one of the non-communicable diseases (NCDs) characterized by an increase in blood glucose levels, causing hyperglycemia. A serious complication of Diabetes Mellitus in the field of dentistry is oral diabetic conditions, one of which is increased tooth mobility, as high blood sugar damages the blood vessels in the gums and the supporting bones of the teeth. The data on Type 2 Diabetes Mellitus includes 48 individuals in 2024, and for the period from January to June 2025, there were 32 individuals. Research Objective: This study aims to determine the relationship between type 2 diabetes mellitus and tooth mobility in patients at the UPTD Inpatient Health Center Citorek, Cibeber District, Lebak Regency. Methodology: The method used was analytical with a cross-sectional approach, involving a population of 30 type 2 diabetes mellitus patients participating in Prolanis, using total sampling techniques. The research instrument used was a form for examining the Tooth Mobility Index (Miller's Mobility Index). Data analysis was performed using statistical tests with the Spearman Rank correlation test. Results: Most of the type 2 diabetes mellitus patients suffered from diabetes (83.3%) and most of the patients had severe tooth mobility (76.7%). Analysis of the relationship between type 2 diabetes mellitus and patients' tooth mobility showed a p-value of 0.034, less than 0.05. Conclusion: There is a relationship between type 2 diabetes mellitus and tooth mobility in patients at UPTD Puskesmas Rawat Inap Citorek, Cibeber District, Lebak Regency.*

*Keywords: Diabetes Mellitus, Tooth Looseness, Prolanis*

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