

SKRIPSI

**HUBUNGAN RIWAYAT POLA PEMBERIAN SUSU FORMULA
TERHADAP KEJADIAN *EARLY CHILDHOOD CARIES (ECC)*
PADA ANAK PAUD DI KECAMATAN KOTO TANGAH
KOTA PADANG**



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ABSTRAK

Latar Belakang: Karies gigi merupakan masalah kesehatan dengan prevalensi tinggi, yang terjadi pada semua usia termasuk bayi dan anak-anak prasekolah. Karies gigi pada bayi dan anak-anak prasekolah disebut *Early Childhood Caries* (ECC). Salah satu penyebab ECC yang paling sering ditemukan adalah konsumsi makanan dan minuman dengan kadar glukosa tinggi, termasuk konsumsi susu formula. Faktor resiko ini dapat diperparah dengan riwayat dari konsumsi susu formula seperti lama, cara, waktu, durasi, frekuensi, penambahan pemanis dan tindakan pencegahan. **Tujuan:** Penelitian ini bertujuan untuk mengetahui hubungan riwayat pola pemberian susu formula terhadap kejadian *Early Childhood Caries* (ECC) Pada Anak PAUD di Kecamatan Koto Tengah Kota Padang. **Metode:** Jenis penelitian adalah analitik dengan desain penelitian studi observasi *cross-sectional*. Jumlah sampel 102 orang anak PAUD di Kecamatan Koto Tengah Kota Padang dan pemilihan sampel menggunakan teknik *stratified random sampling*. Pengukuran ECC menggunakan indeks def-t dan riwayat pola pemberian susu formula menggunakan kuesioner. Analisis data menggunakan uji statistik *chi-square*. **Hasil:** Penelitian menunjukkan bahwa anak yang mengalami ECC sebanyak 78 orang (76,5%) dan anak yang memiliki Riwayat pola konsumsi susu formula yang kurang sebanyak 43 orang (42,2%). Hasil uji statistik *Chi-Square* menunjukkan bahwa terdapat hubungan yang bermakna antara riwayat pola pemberian susu formula terhadap kejadian ECC pada anak PAUD di Kecamatan Koto Tengah, Kota Padang dengan p value < 0,05. **Kesimpulan:** Riwayat pola pemberian susu formula yang kurang mengakibatkan kejadian *Early Childhood Caries* (ECC) yang tinggi pada anak PAUD di Kecamatan Koto Tengah Kota Padang.

Kata Kunci: *Early Childhood Caries* (ECC), Riwayat Pola Pemberian Susu Formula, Glukosa

RELATIONSHIP BETWEEN HISTORY OF FORMULA MILK FEEDING PATTERNS AND INCIDENCE OF EARLY CHILDHOOD CARIES (ECC) PRESCHOOL CHILDREN AT KOTO TANGAH DISTRICT PADANG CITY

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ABSTRACT

Background: Dental caries is problem with a high prevalence that occurs at all ages, including infants and preschool children. Dental caries in infants and preschool children is called Early Childhood Caries (ECC). One of the most causes of ECC is the consumption of foods and beverages with high glucose, including formula milk consumption. This risk factor can be exacerbated by the history of formula consumption such as length, method, timing, duration, frequency, addition of sweeteners and precautions. **Purpose:** To identify the relationship between history of formula milk feeding patterns and incidence of Early Childhood Caries (ECC) Preschool Children in Koto Tangah District Padang City. **Methods:** This type of research is analytic with a cross-sectional observational study design. The sample size was 102 preschool children in Koto Tangah District Padang City and sample selection using stratified random sampling technique. The assessment of ECC was uses the def-t index and history of formula feeding patterns uses a questionnaire. Data analysis use chi-square statistical test. **Results:** There were 78 children (76,5%) experienced ECC and 43 children (42,2%) had a history of bad formula milk consumption patterns. The results of the Chi-Square statistical test showed that there was a significant relationship between the history of formula milk feeding patterns and prevalence of ECC in PAUD children in Koto Tangah District, Padang City with p value < 0.05 . **Conclusion:** History of formula feeding bad patterns affecting high incidence of Early Childhood Caries (ECC) preschool children in Koto Tangah District Padang City.

Keywords: Early Childhood Caries (ECC), History of Formula Milk Feeding Patterns, Glucose