

# Hubungan antara perilaku ibu dan pengalaman Karies Gigi anak usia 3 tahun ke bawah : uji laboraturium transmisi vertikal Streptococcus mutans dan Streptococcus sobrinus = Relationship between mother's behavior and dental caries experience of children aged 3 years and under : laboratory test of Streptococcus mutans and Streptococcus sobrinus vertical transmission

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## Abstrak

Sebagai pengasuh utama, perilaku ibu mempengaruhi pengalaman karies gigi anak, salah satunya penularan *S. mutans* dan *S. sobrinus*. Penelitian ini bertujuan mengetahui hubungan antara perilaku ibu dan pengalaman karies gigi anak batita dengan uji laboraturium. 50 pasang ibu-anak diperiksa giginya dan diukur perilaku ibunya menggunakan kuesioner. Pemeriksaan genotipe *S. mutans* dan *S. sobrinus* dari plak dan saliva 15 pasang ibu-anak menggunakan ERIC-PCR. Terdapat hubungan bermakna antara perilaku ibu dan pengalaman karies gigi anak ( $p < 0.05$ ) dan 14.3% pasang ibu-anak memiliki persamaan genotipe *S. mutans* dan *S. sobrinus*. Kesimpulan: Perilaku kesehatan gigi mulut ibu berhubungan dengan pengalaman karies gigi anak melalui penularan *S. mutans* dan *S. sobrinus* secara vertikal.

<hr>As primary caregivers, mothers' behaviors effect on their children' dental caries experiences, one of them by way of transmission of *S. mutans* and *S. sobrinus*. This was to evaluate the relationship between mother's behavior and toddlers' dental caries experiences by laboratory test. 50 mother-child pairs underwent dental screening and filled out questionnaires to assess mother's behavior. Plaque samples were taken from 15 mother-child pairs to compare the genotype of *S. mutans* and *S. sobrinus* using ERIC-PCR. There was a significant relationship between mother's oral health behavior to the child's dental caries experiences ( $p < 0.05$ ) and 14.3% samples had similar genotypes of *S. mutans* and *S. sobrinus*. Conclusion: Mother's oral health behavior related to dental caries experience of their children by way of transmission of *S. mutans* and *S. sobrinus* vertically.