

ABSTRACT**PREDICTION MODEL OF PREGNANT WOMEN'S DENTAL HEALTH BEHAVIOR IN EFFORTS TO PREVENT CHILDHOOD CARIES BASED ON ORAL HEALTH LITERACY**

Background. Indonesian children's dental caries reached its highest prevalence in 2018, by 93.8%. Maternal dental health literacy is confirmed as one of the determinants for the severity of children's dental caries in the world. The City of Surabaya, has experienced an increase in the number of children with active caries reaching 57.3% since 2015, it is necessary to immediately get effective preventive action. **Objectives:** To reveal prediction model of dental health behavior of pregnant women based on literacy skills in preventing dental caries in children in Surabaya City. **Methods:** An observational analytic study was conducted on 500 respondents of pregnant women in the City of Surabaya. This research conducted in a cross-sectional manner, with measuring the level of dental health literacy, dental caries prevention behavior for children, the role of the education system, health system, and social support system for pregnant women, to be confirmed with the severity of dental caries experienced by their children. Data were analyzed using linear regression with due regard to related descriptive findings. **Result:** The pregnant women's dental health literacy significantly and strongly influence the behavior of pregnant women in preventing dental caries ($p < 0.05$; $R = 0.942$). Basic knowledge of oral health form the basis for the formation of the seven domains of dental health literacy for pregnant women and is linearly confirmed to be a determinant of maternal dental health behavior in preventing child dental caries. **Conclusion:** Better dental health literacy in pregnant women was confirmed to have an impact of better dental health behavior that is needed in order to prevent children's dental caries. Good dental health literacy skills for pregnant women, preceded by having good basic knowledge of oral and dental health.

Keywords: oral health literacy, pregnant women, children dental caries, oral health knowledge, dental health behavior

ABSTRAK

**MODEL PREDIKSI PERILAKU KESEHATAN GIGI IBU HAMIL
BERBASIS KEMAMPUAN LITERASI DALAM UPAYA PENCEGAHAN
KARIES GIGI ANAK**

Latar Belakang: Karies gigi anak Indonesia mencapai prevalensi tertingginya pada tahun 2018, mencapai 93,8%. Literasi kesehatan gigi Ibu merupakan salah satu determinan dalam menentukan keparahan karies gigi anak di dunia. Kota Surabaya, mengalami kenaikan jumlah anak dengan karies aktif mencapai 57,3% sejak tahun 2015, perlu untuk segera mendapatkan tindakan preventif yang tepat guna. **Tujuan:** Tujuan penelitian ini adalah untuk mengungkap model prediksi perilaku kesehatan gigi ibu hamil terbaik berbasis kemampuan literasi dalam upaya pencegahan karies gigi anak di Kota Surabaya. **Metode:** Studi analitik observasional dilakukan terhadap 500 responden Ibu hamil di Kota Surabaya. Penelitian ini dilaksanakan secara *cross-sectional*, dengan parameter pengukuran tingkat literasi kesehatan gigi, perilaku pencegahan karies gigi anak, peran *education system*, *health system*, dan *social support system* pada ibu hamil, untuk kemudian dikonfirmasi dengan tingkat keparahan karies gigi yang dialami anaknya. Data dianalisis dengan menggunakan regresi linier dengan memperhatikan temuan deskriptif terkait. **Hasil:** Kemampuan literasi kesehatan gigi Ibu hamil memengaruhi perilaku Ibu hamil dalam upaya pencegahan karies gigi anak secara nyata dan kuat ($p < 0,05$; $R = 0,942$). Pengetahuan dasar kesehatan gigi dan mulut menjadi dasar pembentukan ketujuh domain literasi kesehatan gigi ibu hamil dan secara linier terkonfirmasi menjadi determinan perilaku kesehatan gigi Ibu hamil dalam mencegah karies gigi anak. **Simpulan:** Literasi kesehatan gigi yang baik pada ibu hamil mampu memprediksi bentuk perilaku kesehatan gigi yang akan dilakukan dalam rangka melakukan upaya pencegahan karies gigi anak. Kemampuan literasi kesehatan gigi ibu hamil yang baik, didahului dengan kepemilikan pengetahuan dasar kesehatan gigi dan mulut yang baik pula.

Kata kunci: literasi kesehatan gigi, ibu hamil, karies gigi, anak, pengetahuan kesehatan gigi-mulut, perilaku kesehatan gigi-mulut