

Aplikasi irene donut: penerapan, penerimaan, dan perubahan perilaku orang tua dalam mencegah karies gigi murid TK di Kota Serang, Banten, tahun 2018 = Irene donut app: usage, acceptance, and parent`s behavioral change to prevent caries in preschool children, Serang City, Banten, 2018

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Abstrak

<b>ABSTRAK</b><br>

Nama : Antinah Latif Program Studi : Ilmu Kesehatan Masyarakat Judul tesis : "Aplikasi Irene Donut: Penerapan, Penerimaan, dan Perubahan Perilaku Orang tua dalam Mencegah Karies Gigi Murid TK di Kota Serang, Banten, Tahun 2018" Pembimbing : Dr. drs. Tri Krianto, M.Kes Irene Donut merupakan salah satu program interaktif berbentuk komputer atau versi manual yang efektif untuk melakukan penilaian risiko karies gigi sehingga mampu mengubah perilaku orang tua. Namun untuk versi berbasis android sampai saat ini belum dilaporkan. Tujuan penelitian untuk menganalisis pengaruh aplikasi "Irene Donut" terhadap perilaku orang tua dalam mencegah karies gigi murid TK dan untuk melihat tingkat penerimaan aplikasi. Desain studi menggunakan pre-eksperimental dengan pengukuran berulang. Intervensi dilakukan di Kota Serang, Banten-Indonesia dengan melibatkan 62 orang tua dari 4 sekolah TK. Intervensi dengan mengaplikasikan "Irene Donut" versi android. Perilaku orang tua diukur menggunakan kuesioner untuk melihat perubahan perilaku sebelum dan setelah intervensi. Data dianalisis menggunakan uji Wilcoxon. Hasil penelitian terdapat pengaruh aplikasi terhadap pengetahuan  $p=0,0005$  , sikap  $p=0,001$  , and practice  $p=0,0005$  . Besar peningkatan terhadap perilaku mencegah karies gigi adalah 35-40,74 , 5.6 , and 13-21 . Terjadi peningkatan terhadap tingkat penerimaan aplikasi oleh orang tua sebesar 4,9 . Tingkat penerimaan yang mengalami peningkatan adalah faktor kemanfaatan; kesesuaian; keterujian; keteramatan; daya tarik; akseptabilitas; keterlibatan diri; dan niat berperilaku. Kesimpulannya adalah intervensi menggunakan aplikasi "Irene Donut" versi android mampu meningkatkan perilaku orang tua dalam mencegah karies gigi murid TK di Kota Serang dan secara umum aplikasi ini diterima oleh pengguna. Kata kunci: Irene donut, berbasis android, penilaian risiko karies, penerimaan, perilaku orang tua

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<b>ABSTRACT</b><br>

Name Antinah Latif Study Program Public Health Science Title "Irene Donut app Usage, Acceptance, and Parent`s Behavioral Change to Prevent Caries in Preschool Children, Serang City, Banten, 2018" Counsellor Dr. drs. Tri Krianto, M.Kes Irene`s donut is an interactive program in the form of computer or manual version as an effective tool for assessing caries risk and changing parent`s behavior. It has been demonstrated in many studies. But its android version has not been reported. The objectives of this study to analyze the effect "Irene Donut" android version on mother`s knowledge, attitude and practice to prevent caries and to describe the acceptance of application by user. The design of this study was pre experimental with repeated measure. A pre post intervention study was conducted in Serang City, Banten Indonesia and involved 62 parents from 4 preschools. The intervention was conducted by applying "Irene donut" . A self administered measurement was applied to assess

oral health behavior before and after the program with conducted for 3 weeks. The data were analyzed using Wilcoxon test. Results of this research show that there was an effect of "Irene donut" android version on mother's knowledge  $p < 0,0005$  , attitude  $p < 0,001$  , and practice  $p < 0,0005$  . The good knowledge, positive attitude, and good practices on caries prevention increased by 35.40, 74.5.6 , and 13.21 . Generally, User acceptance of application has been increased in 3 weeks 4.9 positive acceptance are usefulness compatibility triability observability attraction acceptability self involvement and behavioral intention. In conclusion, oral health behavior on caries prevention could be improved by the oral health education program with simulator "irene's donut" android version and this application can be accepted by users. Keywords Irene donut, android version, assessment of caries risk factor, acceptance application and parent's behavior