

**Validitas dan reproduibilitas perawat gigi dalam menilai kebutuhan perawatan karies gigi menggunakan indeks cast : kajian anak umur 6-12 tahun di Kecamatan Canduang Kabupaten Agam Sumatera Barat =
Dental nurse validity and reproducibility in assessing the care needs of dental caries by using cast index : study of children 6-12 years old in Kecamatan Canduang kabupaten Agam West Sumatera**

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Abstrak

Data epidemiologi surveilan harus memiliki nilai validitas dan reliabilitas tinggi. Indek CAST berpotensi sebagai alat penilaian epidemiologi karies gigi. Perawat gigi termasuk tenaga pelaksana upaya kesehatan gigi dalam program skrining. Tujuan: mendapatkan tingkat kesesuaian antara perawat gigi dan dokter gigi dalam menilai kebutuhan perawatan karies gigi anak umur 6-12 tahun menggunakan indek CAST. Uji diagnostik pendekatan crossectional pada 95 anak 6-12 tahun, pemeriksaan klinik, analisis pearson korelasi, ICC dan ROC. Tingkat kesesuaian antar pengamat baik (ICC 0,59-0,97). Sensitivitas dan spesifisitas cukup baik (sensitivitas 70-100%), dan spesifisitas (51-100%). Perawat gigi dapat menjadi salah satu tenaga epidemiologi suveilans dalam penilaian kebutuhan perawatan karies menggunakan indek CAST.

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Epidemiological surveillance data should have high values in validity and reliability. Index CAST were a potential epidemiology tools for dental caries assessment. Dental nurses are the executive personnel for screening programs in dental health care. To get the compatibility between dentists and dental nurses in assessing care needs of dental caries by using CAST index in children 6-12 years old. Diagnostic test with Cross Sectional approach, samples consists of 95 children between 6-12 years old, clinical examination, and all data analyzed by Pearson correlation, ICC and ROC tests respectively. There are good level of concordance between the observers (ICC 0.59 to 0.97) and the sensitivity and specificity values were good enough (sensitivity 70-100%) and specificity (51- 100%). Dental nurse can be one of the surveillance epidemiologists in the assessment of dental caries care needs by using CAST index.