

**AKTIVITAS KARIES DAN INDEKS def (t) PADA ANAK USIA 4-5
TAHUN DI TK AL-IRSYAD SURABAYA**

***CARIES ACTIVITY AND INDEX def (t) OF CHILDREN 4-5 YEARS OLD IN
TK AL-IRSYAD SURABAYA***

ABSTRACT

Background. Dental caries remains the major problem in children. The prevalence among children in Indonesia is 90%. Caries activity test is considered to be important to indicate caries risk in children. **Purpose.** The aim of this study was to identify correlation between caries activity and index def (t), mean number of decayed teeth in children 4-5 years old. **Method.** This study was conducted on 47 children. The children were examined for the caries status (def) as well as collected for plaque sample to determine caries activity using GC plaque test. Mothers received questionnaire regarding children's dietary habit and oral health. **Result.** The study showed correlation between caries activity and index def (t) with correlation coefficient 0,695 ($p > 0,5$) and significancy 0,000 ($p < 0,05$). Increasing of index def (t) happened when caries activity's levels increase (pH's plaque become acid or decrease). **Conclusion.** There are correlation between caries activity and index def (t). Caries activity test with plaque sample is accurate to predict caries risk.

Keywords : caries activity, index def (t), plaque test