

**THE CARIOGENIC EFFECT OF SCHOOL SNACK ON RISK LEVELS
WITH CARIES ASSESSMENT TOOL (CAT) STUDY CARIES
IN 12-14 YEAR OLD CHILDREN**

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ABSTRACT

Children aged 12-14 years old experienced physical growth, thus increasing their appetite, so they love snacks and have a habit of eating snacks at school. This study aims to determine the cariogenic effect of school snacks on caries risk based on the Caries Assessment Tool (CAT) study in children aged 12-14 years old. This research is observational quantitative with cross-sectional research design. The population in this study were all students of class VII, aged 12-14 years old in SMP N Kulon Progo, comprised of 2,047 students. Sampling in this study using a cluster proportional random sampling technique obtained a sample size of 100 respondents. Data collection techniques using a questionnaire about school snacks and observation of Caries Risk Assessment based on Caries Assessment Tools (CAT). Data analysis using the Chi-Square test. The results showed the cariogenic school snacks consumed by children aged 12-14 years old in SMP N Kulon Progo in the low category (71%); Risk of Caries Occurrence based on CAT studies in children aged 12-14 years old in the high category of (50%). There was no significant cariogenic effect of school snacks on the level of caries risk based on CAT study in children aged 12-14 years old.

Keywords: Cariogenic effect; school snack; caries risk; Caries Assessment Tool (CAT)

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