

## Pengaruh pengunyahan permen karet dengan pemanis xylitol terhadap penurunan risiko karies gigi

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### Abstrak

The aim of this study was to assess the relation between the use of xylitol chewing gum and risk of dental caries. The sample was taken from a population of 800 (120 samples). Standard equipment was used in observing the dental plaque, salivary flow rate and pH of the saliva from patients using xylitol chewing gum or non-xylitol chewing gum. The results were analyzed using the t-test (one tailed) with 95% confidence intervals ( $\alpha < 0.05$ ). The results show a significant effect of chewed xylitol gum with increased pH in saliva, increased salivary flow rate (SFR), and decreased plaque score.