

Effect of *Garcinia mangostana* linn extracts on Inhibition of Lactic Acid Production By *Streptococcus mutans*

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The objective of this study was to determine the effect of *Garcinia mangostana* linn extracts on inhibition of lactic acid production by *Streptococcus mutans* KPSK₂ which play an important role in plaque formation and dental caries. *Garcinia mangostana* linn were extracted by hexane and ethyl acetate. *Streptococcus mutans* were grown in tryptic soy broth that contained *Garcinia mangostana* linn extracts with various concentration. After 20 hours of 5% CO₂ incubation at 37°C. The condition media were used to determine the lactic acid by enzymatic method. The results revealed that *Garcinia mangostana* linn extracts have not significantly effected on lactic acid production by *Streptococcus mutans* KPSK₂ ($p < 0.05$).

Supported by Dental Research Fund, Dental research project 3205-312 # 40 / 2002 Faculty of Dentistry, Chulalongkorn University