PERAN SALVADORA PERSICA (SIWAK) DALAM PASTA GIGI
TERHADAP DAYA HAMBAT PLAK
PADA GIGI TIRUAN TETAP

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THE ROLE OF SALVADORA PERSICA (SIWAK) IN TOOTHPASTE TOWARDS PLAQUE FORMATION ON FIXED BRIDGE

ABSTRACT

Background: Plaque is the main cause of caries, which usually accumulates on fixed bridge surfaces. To avoid this, plaque control is the best way to control plaque and play a role as the first step to keep oral in good condition. Previously, salvadora persica (siwak) was used in some country in the middle east for tooth brushing. salvadora persica (siwak) have some antibacterial acids like astringets used to kill the bacteria, and salvadora persica (swiak) also have enzim that can be use to guard against plaque. Purpose: This study was aimed to know the effectivity of of toothpaste containing salvadora persica (siwak) to plaque formation on fixed bridge. Methods: This clinical experiment study was carried out in five patients wearing fixed bridge at Prosthodontics Department, Faculty of Dentistry, Airlangga University in Surabaya. Samples were based on simple random sampling technique. Plaque index was analyzed by Paired sample test. Result: This study showed that there was significant difference of plaque scores in patients who brush their teeth using salvadora persica (siwak) containing toothpaste and placebo.

Keywords: plaque, salvadora persica (siwak), fixed bridge