

EFEK SUSU KEDELAI MADU TERHADAP RESORPSI TULANG ALVEOLAR

(THE EFFECT OF SOY MILK HONEY ON BONE RESORPTION)

ABSTRACT

Background. Advanced periodontitis had been reported may induced bone resorption. One of the alternative ways to inhibit the effect of bone destruction cause periodontitis, is by consumed soy milk honey. Soy milk and honey have many advantages for bone health. Combination of soy milk and honey may increase the advantage on the bone. **Purpose.** The aim of this study was to investigate the effect of soy honey milk on bone resorption. **Method.** The 4-5 months old male *Rattus norvegicus* rats was randomly divided into 3 groups: rats that induced periodontitis by LPS (lypopolysaccaride) for 7 days (group1), rats that consumed soy honey milk for 45 days (group 2), and rats that consumed soy honey milk for 45 days and induced periodontitis with LPS for 7 days (group 3). The analyses of bone loss level were analyzed by radiographic picture. **Results.** In group 1 bone level is lowest than group 2 and 3. Bone level on group 2 is highest. Bone level on group 3 is lower than group 2 but higher than group 1. **Conclusion.** Soy honey milk may inhibit bone resorption.

Key words: soy honey milk, bone resorption, lypopolysaccaride