ABSTRACT
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Tongue sensitivity can be affected by smoking habitual. Taste bud is the receptor of the tongue. When the cigarette is smoked, the nicotine will be condensed and stick on teeth, tongue, palatum, gingival, taste bud and membrane receptors. This will prevent the taste pore to interact with food, the especially on sweet and salty taste. The aim of this research is to know the sensitivity differences of sweet taste between smoker and non smoker. Sample will be found from the kuesioner. This research using post test only control group design by giving the same action between two groups, smoker and non smoker, with certain criteria. Sample sprinkled the sucrose liquid starting from lower concentration until sample feel the sweet taste (0,01 M; 0,013 M; 0,017 M; 0,023 M; 0,029 M). Data analytic using Mann-Whitney test, and the result this research that there is significant different on sweet taste sensitivity on smoker and non smoker groups (p = 0,0001 (p<0,005)).

Keywords : tongue, taste bud, sweet, smoking, sensitivity differences