ABSTRACT

Juliana Katili. Organoleptic test formulations of Mouthwash from Citronella Oil (*Cymbopogon nardus* L. Rendle). Scientific Writing, D3 Pharmacy Program Department of Pharmacy, Faculty of Health Sciences and Sport, Gorontalo State University. First counsellor is Robert Tungadi, S.Si., M.Si., Apt and the second counsellor is Nurain Thomas, S.Si.,M.Si.,Apt.

Lemongrass (*Cymbopogon nardus L. Rendle*) can be used to inhibit or kill the pathogenic bacteria which are present in the mouth especially dental plaque bacteria, namely *Streptococcus mutans*. Utilization in the form of citronella oil because oil is an antibacterial. This study aims to determine organoleptic test of mouthwash formulation of citronella oil (Cymbopogon nardus L. Rendle). This study made threet the same formulas, but the concentration of the active components, methyl salicylate and alcohol use are different.
The results showed that lemongrass oil mouthwash formula produces good and stable dosage based on observation and measurement of pH organoleptic test. Organoleptic seen on previous observations of color and scents (t = 0 - t = 10) results show 1st formulation (murky yellow color and distinctive scent lemongrass), formula 2nd formulation (clear yellow color and distinctive scent of fresh lemongrass) and the formula 3rd formulation (yellow color turbid and pungent distinctive scent lemongrass). As for the measurement of pH (t = 0 - t = 10) that the 1st formulation (6-5), 2nd formulation (6-6) and the 3rd formulation (6.5 to 6). Based on the results of the organoleptic evaluation of mouthwash formulations, it can be concluded that 2nd formulation is the best formula and stable. is the best formula therefore lemongrass oil can be formulated as a mouthwash.

Key words: Organoleptic test Mouthwash and Citronella Oil (*Cymbopogon nardus* L. Rendle).