

ABSTRACT

Indah Kadullah, 2015. "**Formulation and Effectiveness Test of Male Rabbit's Hair Growth from the Application of Hair Tonic made from Snake Plant Leaf Extract (*Sansiviera Trifasciata* L.)**." Scientific Writing. Faculty of Health Sciences and Sports, State University of Gorontalo. The principal supervisor was Nur Ain Thomas, S.Si., M.Si., Apt and Co-supervisor was Mohammad Adam Mustapa, S.Si., M.Sc.

Snake Plant Leaf is potentials to accelerate hair growth due to its compound of flavonoid, saponin, and polyphenol that can assist the hair growth. This research objective was to produce hair tonic made from the snake plant leaf extract and to conduct the effectiveness test of the hair growth. The hair tonic made from snake plant leaf extract contains 96% of ethanol, propylene, glycol, menthol, natrium metabisulphate, dinatrium edta, citric acid, natrium citrate, and aquadest. The snake plant leaf extract variation was at 10% concentrate, 15% and 20%. The hair tonic was tested in vivo to the male rabbit. Hair growth effectiveness test was determined using the length of hair that grown. Based on the physical evaluation through organoleptic observation, pH checking, and viscosity test it showed that all the three formulas were relatively stable and the hair growth effectiveness test revealed that the 15% concentrate of snake plant leaf extract was the most potential of all in the hair growth of the rabbit.

Keywords: snake plant leaves, hair tonic, hair, formula, physical stability.

