

ABSTRACT

Amir, Nursia. 2015. Formulation and Evaluation of Tomato (*Solanum lycopersicum* L.) Extract Gel Masker Physical. Scientific Writing. Diploma Program, Department of Pharmacy, Faculty of Health Sciences and Sports, State University of Gorontalo. The principal supervisor was Adam Mustapa, S.Si., M.Sc and Co-supervisor was Nur'ain Thomas, S.Si.,M.Si.,Apt.

Early aging that was marked by dry, scaly, rough skin condition and followed by the occurrence of wrinkles and black spots on skin vurrently is being scared by women, particularly for women who have productive age. Factors causing early aging are internal and external factors. To recover the face skin to be healthy, looks beautiful, it needs form in form of gel masker. The research aimed at investigating whether or not the tomato extract can be formulated in form of gel masker and whether or not it is physically stable. This research was a laboratory experimental research. The research result showed that tomato (*Solanum lycopersicum* L.) extract can be formulated as gel masker form. The increase of PVA concentration affected dispersive power, viscosity, pH, drying time, and simplicity of cleaning. The increase of PVA concentration increased the viscosity thus it decreased the dispersive power of the form and the time needed to be dried will be longer, however, the gel will be felt tight and easy to be cleaned. The best formula and physically stable was F3 because it can give tight effect and easy to be cleaned with basic concentration of HPMC as 1% and PVA as 10%. This suggests that to do effectiveness test to the gel masker form with different concentration and the further research can be done for tomato indication to other forms.

Keywords: gel masker, tomato extract, HPMC, PVA

