

## ABSTRAK

**Della Novianty Husain. 2013.** Uji Stabilitas Fisik Sediaan Gel Ekstrak Kental Daun Binahong (*Anredera cordifolia* (Ten.) Steen), Karya Tulis Ilmiah, Program Studi D3 Farmasi, Jurusan Farmasi, Fakultas Ilmu-ilmu Kesehatan dan Keolahragaan, Universitas Negeri Gorontalo. Pembimbing I Hamsidar Hasan., S.Si.,M.Si.,Apt dan pembimbing II Robert Tungadi, S.Si.,M.Si.,Apt.

Tanaman Binahong (*Anredera cordifolia* (Ten.) Steen) memiliki khasiat obat tradisional salah satunya sebagai pengobatan luka bakar. Penelitian ini bertujuan untuk mengetahui kestabilan fisik formula gel daun Binahong (*Anredera cordifolia* (Ten.) Steen). Penelitian ini menggunakan metode ekstraksi maserasi dengan pelarut etanol 70%, dimana ekstrak yang diperoleh dibuat dalam bentuk sediaan gel dengan 3 formula yang berbeda.

Hasil penelitian menunjukkan bahwa gel ekstrak daun binahong menghasilkan sediaan yang stabil berdasarkan stabilitas fisik sediaan, dengan menggunakan uji viskositas dan organoleptik. Berdasarkan pengamatan dan pengukuran viskositas sebelum dan sesudah penyimpanan, diperoleh hasil yaitu: formula 1 (3.460 Cps dan 4043 Cps), formula 2 (7.976 Cps dan 11349 Cps) dan formula 3 (15.726 Cps dan 169461 Cps). Sedangkan untuk uji organoleptik diperoleh hasil sebelum penyimpanan dan sesudah penyimpanan bahwa dari segi tekstur (formula 1 semipadat, formula 2 kental, dan formula 3 sangat kental), dari segi bau (formula 1, formula 2 dan formula 3 agak berbau ekstrak) dan dari segi warna (formula 1, formula 2 dan formula 3 menampakkan warna yang kuning kehijauan). Oleh karena itu ketiga sediaan gel ekstrak daun binahong tersebut stabil secara fisik.

Kata Kunci : Daun Binahong, Gel, Maserasi, Stabilitas fisik.

## ABSTRACT

**Della Novianty Husain.** 2013. Physical Stability Test of Gel of Binahong Leaf Extract (*Anredera cordifolia* (Teen.) Steen), Scientific Writing, D3 Pharmacy Program, Departement of Pharmacy, Faculty of Health Sciences and Sport, Gorontalo State University. First counsellor Hamsidar Hasan, S.Si.,M.Si.,Apt and second counsellor Robert Tungadi, S.Si.,M.Si.,Apt.

Binahong (*Anredera cordifolia* (Teen.) Steen) have an utility as traditional drug, it is for singe medication. The purpose of this research is to know physical stability of gel formulation of Binahong leaf. This research uses maseration extraction method with ethanol 70%, which hthe extract win made in a gel formula, with three different formulation.

The result of research showed that gel extract of Binahong leaf realted a stable formula according to the physical stability, with viscosity and organoleptic tests. According to viscosity perception and measurement before and after depository, obtained result: first formulation (3.460 Cps and 4043 Cps), second formulation (7.976 Cps and 11349 Cps) and third formulation (15.726 Cps and 169461 Cps). Meanwhile organoleptic test obtained result before and after depository of the form side (first formulation is flourish solid, second formulation is thick and third formulation is very thick), from the smell side (first formulation, second formulation and third formulation are extract smelling) and from the color side (first formulation, second formulation and third formulation are showed turn yellow greenness). All of formulation were stable according to the physical stability test.

Keyword : Binahong Leaf, Gel, Maseration, Physical stabiliation.