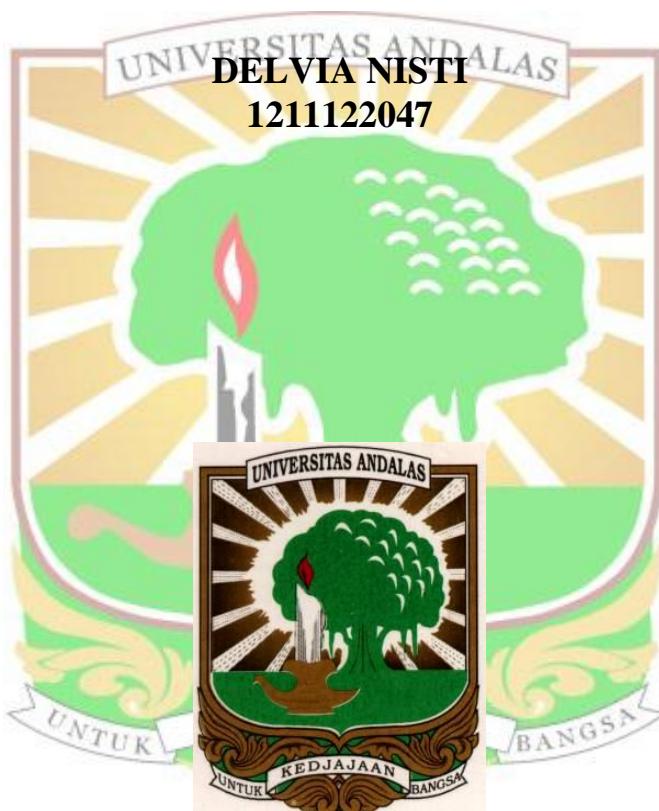
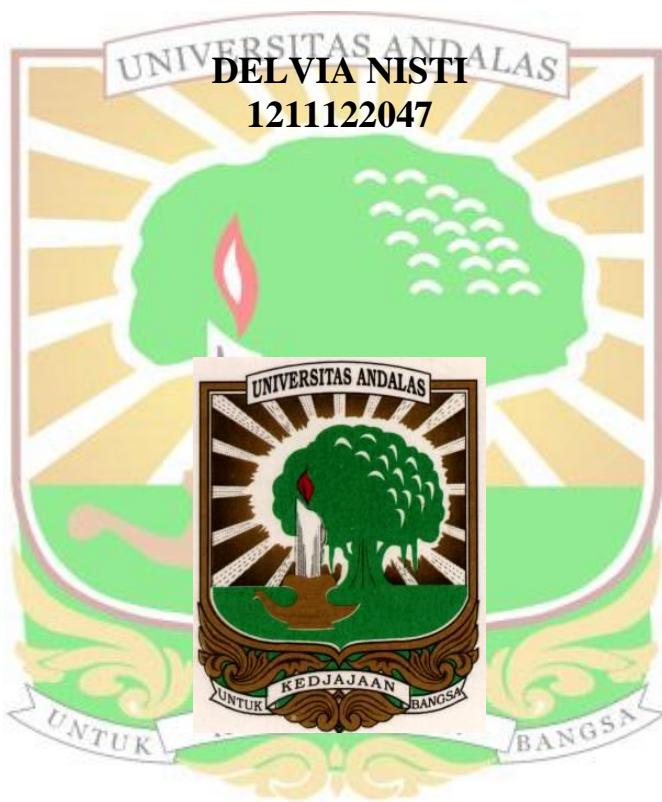


**PEMANFAATAN EKSTRAK DAUN BINAHONG (*Anredera cordifolia* (Ten.) Steenis.) DAN EKSTRAK CASSIAVERA (*Cinnamomum burmanni*) DALAM BENTUK TABLET EFFERVESCENT DAN PENGARUHNYA TERHADAP PENURUNAN KADAR GLUKOSA DARAH MENCIT DIABETES**



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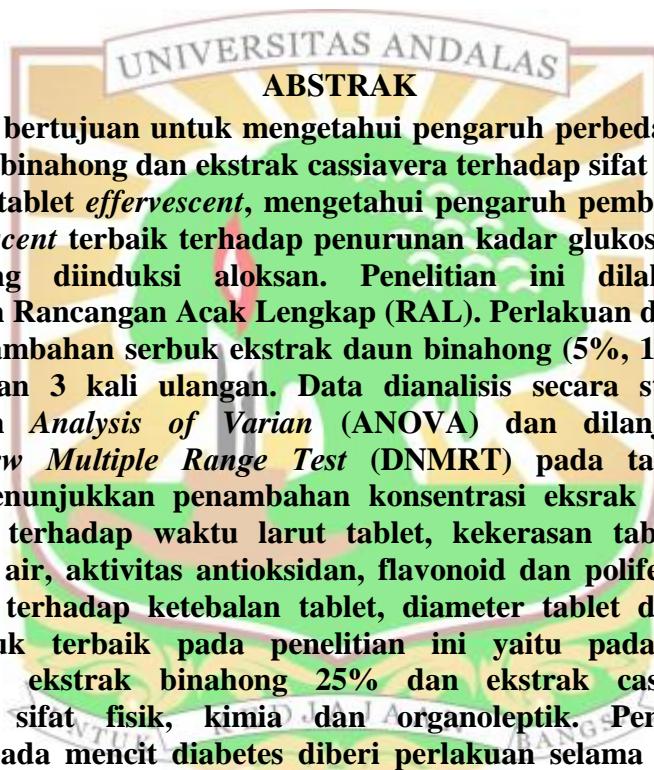
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- 2. Wenny Surya Murtius, S.Pt, MP**

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# **Pemanfaatan Ekstrak Daun Binahong (*Anredera cordifolia* (Ten.) Steenis.) dan Ekstrak *Cassiavera* (*Cinnamomum burmanni*) dalam Bentuk Tablet *Effervescent* dan Pengaruhnya Terhadap Penurunan Kadar Glukosa Darah Mencit Diabetes**

Delvia Nisti, Fauzan Azima, Wenny Surya Murtius



**Kata kunci :** ekstrak binahong, ekstrak cassiavera, antioksidan, tablet *effervescent*, diabetes

# **Using of Mixed Binahong Leaf Extract (*Anredera cordifolia* (Ten.) Steenis.) and *Cassiavera* Extract (*Cinnamomum burmanni*) in the form of Effervescent Tablet and its Effects on Reduction Blood Glucose of Diabetic Mice**

Delvia Nisti, Fauzan Azima, Wenny Surya Murtius

## **ABSTRACT**

This research aim to know the effect of difference concentration of leaf extract of binahong and *cassiavera* extract to physical, chemical and organoleptic effect of effervescent tablet, to know the effect of giving the best effervescent tablet drink to the decrease of blood glucose level from alloxan-induced diabetic mice. This study was conducted using a complete randomized design (CRD). The treatment of this research is the addition of binahong leaf extract (5%, 10%, 15%, 20% and 25%) and 3 repetitions. Data were analyzed statistically using Analysis of Varian (ANOVA) and continued with Duncan's New Multiple Range Test (DNMRT) at 5% level. The results showed that the concentration of binahong leaf extract had an effect on the soluble time of tablet, tablet hardness, tablet fragility, water content, antioxidant activity, flavonoid and poifenol and no effect on tablet thickness, tablet diameter and tablet pH. The best product in this research is treatment E (Added 25% binahong leaf extract and 0.2% *cassiavera* extract) based on physical, chemical and organoleptic properties. Provision of effervescent tablets for diabetic mice and treated for 21 days decreased blood glucose levels until 50%.

**Keywords :** binahong extract, cassiavera extract, antioxidant, effervescent tablet, diabetic