

## INTISARI

**FEBRIANTO, Y., 2015, FORMULASI SABUN CAIR EKSTRAK ETANOL DAUN KERSEN (*Muntingia calabura* L.) DENGAN VARIASI VIRGIN COCONUT OIL (VCO) DAN KALIUM HIDROKSIDA (KOH) SEBAGAI ANTIBAKTERI *Staphylococcus aureus*.**

Daun Kersen (*Muntingia calabura* L.) mengandung senyawa yang memiliki aktivitas antibakteri dalam penyembuhan luka. Senyawa antibakteri yang dapat menghambat *Staphylococcus Aureus* adalah Flavanoid. Daun kersen kurang praktis jika digunakan secara langsung atau perasan sehingga dibuat dalam bentuk sabun cair. Penelitian ini bertujuan untuk mengetahui sifat mutu yang baik.

Sabun cair dibuat 5 Formula dengan komposisi variasi Formula 1 (VCO 10g : KOH 6g), Formula 2 (VCO 11g : KOH 5g), Formula 3 (VCO 12g : KOH 4g), Formula 4 (VCO 13g : KOH 4g), Formula 5 (VCO 14g : KOH 2g) dan 15% ekstrak daun kersen. Setiap formula diuji selama 4 minggu sifat fisiknya meliputi organoleptis, viskositas, daya busa dan pH. Pengujian Antibakteri dilakukan dengan difusi sumuran dan dianalisis dengan statistik.

Hasil penelitian sediaan sabun cair yang terbaik diperoleh dalam Formula 1 dengan (VCO 10g: KOH 6g). Sediaan memiliki mutu fisik yang terbaik dan memiliki daya hambat dengan diameter 3,2 cm.

Kata kunci: Daun Kersen (*Muntingia calabura* L.), Sabun Cair, VCO, KOH

## ABSTRAK

### **FEBRIANTO, Y., 2015, ETHANOL FORMULATION LIQUID SOAP OF CHERRY LEAF EXTRACT (*Muntingia Calabura L.*) WITH COCONUT VIRGIN OI (VCO) VARIATION and Potassium hydroxide (KOH) AS ANTIBACTERIAL *Staphylococcus Aureus***

Cherry leaves (*Muntingia Calabura L.*) contain compounds that have antibacterial activity in wound healing. The content in the leaf of cherry antibacterial that can inhibit *Staphylococcus Aureus* is Flavanoid. Cherry leaves less practical when used directly or by juice that was made in the form of liquid soap. This study was aims to determine the nature of a good quality and the effect of antibacterial activity of the dosage.

The Liquid soap was made of five Formula with composition variations. The first formula with (VCO 10g : KOH 6g). The second formula with (VCO 11g : KOH 5g). Formula with (VCO 12g : KOH 4g). The fourth formula with (VCO 13g : KOH 4g). The last formula with (VCO 14g: 15% KOH 2g) and cherry leaf extract. For each formula was tested for four weeks includes, my organoleptic properties, viscosity, foam power and pH. The best results according to the standard ISO. The antibacterial testing was done by wells diffusion and analyzed statistically.

The best obtained results of this study the liquid soap preparations was the first formula with a VCO 10g : KOH 6g. The preparations have the best physical quality and inhibitory 3,2cm diameter.

Keywords: Cherry leaf (*Muntingia Calabura L.*), Liquid Soap, VCO, KOH