

INTISARI

AFIFAH, A.N, 2019, FORMULASI MICELLAR BASED WATER MINYAK BIJI KELOR (*MORINGA OIL*) DENGAN VARIASI KONSENTRASI PEG-7 GLYCEYL COCATE SEBAGAI SURFAKTAN, KARYA TULIS ILMIAH, FAKULTAS FARMASI, UNIVERSITAS SETIA BUDI, SURAKARTA.

Minyak biji kelor (*Moringa oil*) merupakan minyak nabati alami yang diperoleh dari ekstraksi menggunakan pengepresan meknik. Minyak biji kelor mengandung asam lemak esensial dan antioksidan digunakan sebagai pelembab yang dapat mengurangi kulit kering, mengurangi kerutan, dan melindungi kulit akibat radikal bebas. Tujuan penelitian ini untuk membuat sediaan *micellar based water* minyak biji kelor dengan variasi konsentrasi *PEG-7 Glyceryl Cocoate* sebagai surfaktan.

Micellar based water minyak biji kelor dibuat dengan metode pencampuran fase air dan fase minyak. Variasi konsentrasi *PEG-7 Glyceryl Cocoate* yang digunakan yaitu formula 1 (1,75%), formula 2 (2,25%) dan formula 3 (2,75%). Uji mutu fisik yang dilakukan meliputi uji organoleptik, pH, viskositas dan stabilitas.

Hasil penelitian menunjukkan variasi konsentrasi *PEG-7 Glyceryl Cocoate* mempengaruhi stabilitas *micellar based water* minyak biji kelor. Formula terbaik diperoleh dengan konsentrasi *PEG-7 Glyceryl Cocoate* 2,75%.

Kata kunci; *Micellar based water*, Minyak biji Kelor, *PEG-7 Glyceryl Cocoate*

ABSTRACT

AFIFAH, A.N, 2019, FORMULATION MICELLAR BASED WATER MORINGA SEED OIL (*MORINGA OIL*) WITH VARIATION OF PEG-7 GLYCEYL COCATE CONCENTRATION AS SURFACTANT, SCIENTIFIC PAPERS, PHARMACY FACULTY, SETIA BUDI UNIVERSITY, SURAKARTA

Moringa oil (*Moringa oil*) is a natural vegetable oil devired from extraction using mechanical presses. Moringa seed oil contains essential fatty acids and antioxidants used as a moisturizer that can reduce dry skin, reduce wrinkles, and protect the skin from free radicals. The purpose of this research was to make micellar based water moringa seed oil preparations with various concentrations of PEG-7 Glyceryl Cocoate as surfactant.

Micellar based water moringa seed oil is made by the method of mixing water phase and oil phase. The variations of PEG-7 Glyceryl Cocoate concentration used were formula 1 (1.75%), formula 2 (2.25%) and formula 3 (2.75%). Physical quality tests carried out include organoleptic test, pH, viscosity and stability

The results showed that variations in the concentration of PEG-7 Glyceryl Cocoate influenced the stability of micellar based water Moringa seed oil. The best formula is obtained with the concentration of PEG-7 Glyceryl Cocoate 2.75%.

Keywords: *Micellar based water*, Moringa seed oil, *PEG-7 Glyceryl Cocoate*