

INTISARI

PUASARI, A.I., 2019, FORMULASI MICELLAR BASED WATER MINYAK BIJI ANGGUR (*Grape seed oil*) DENGAN VARIASI KONSENTRASI PEG-7 GLYCERYL COCOATE SEBAGAI SURFAKTAN, KARYA TULIS ILMIAH, FAKULTAS FARMASI, UNIVERSITAS SETIA BUDI, SURAKARTA.

Micellar water merupakan pembersih wajah yang sedang populer karena praktis digunakan untuk membersihkan wajah dari kotoran, minyak, riasan, juga memiliki kemampuan untuk melembabkan. Minyak Biji Anggur mengandung antioksidan, asam lemak seperti linolenat, oleat, palmitat, stearat, alfa-linoleat, asam palmitoleat, vitamin E, C dan D. Minyak biji anggur digunakan sebagai pelembab yang memudahkan untuk rehidrasi kulit dan perbaikan kulit dari kerusakan, kerutan di sekitar mata, stretch mark. Tujuan penelitian ini untuk membuat sediaan micellar based water minyak biji anggur dengan variasi konsentrasi perbandingan PEG-7 *Glyceryl Cocoate* sebagai surfaktan sehingga menghasilkan micellar based water yang baik.

Micellar based water minyak biji anggur dibuat dengan metode emulsi M/A dengan cara pencampuran. Variasi konsentrasi PEG-7 *Glyceryl Cocoate* yang digunakan dalam pembuatan micellar based water minyak biji anggur, formula I (1,65%), formula II (2,15%), dan formula III (2,65%). Pengujian mutu fisik micellar based water minyak biji anggur meliputi: uji organoleptis, uji pH, uji viskositas dan uji stabilitas.

Hasil penelitian menunjukkan variasi konsentrasi PEG-7 *Glyceryl Cocoate* sebagai surfaktan berpengaruh bagi stabilitas micellar based water minyak biji anggur. Formula III dengan konsentrasi PEG-7 *Glyceryl Cocoate* (2,65%) mempunyai mutu fisik terbaik.

Kata kunci: Micellar based water, minyak biji anggur, PEG-7 *Glyceryl Cocoate*, mutu fisik micellar based water.

ABSTRAK

PUASARI, A.I., 2019 MICELLAR BASED WATER FORMULATION OF GRAPE SEED OIL WITH VARIATIONS CONCENTRATION OF PEG-7 GLYCERYL COCOATE AS SURFACTANT, SCIENTIFIC PAPERS, FACULTY OF PHARMACY, SETIA BUDI UNIVERSITY.

Micellar water is a popular facial cleanser because practically used for clean the face from dirt, oil, makeup also has the ability to moisturize. Grape seed oil contains antioxidant, and fatty acid such as linoleic, oleic, palmitic, stearic, alfa-linolenic, palmitoleic acid, vitamin E, C and D. It is used as a moisturizer that can hydrate the skin and repair it from damage, wrinkles around the eyes, and stretch marks. The purpose of this study is to make micellar based water of grape seed oil with ratio variations concentration of PEG-7 glyceryl cocoate as a surfactant, so it will produce the good micellar based water.

Micellar based water of grape seed oil is made from oil in water emulsion method by mixing. PEG-7 glyceryl cocoate concentration variety that is used on the micellar based water of grape seed oil making, formula I (1,65%), formula II (2,15%), and formula III (2,65%). The micellar based water of grape seed oil physical quality testing covers: organoleptic, pH, viscosity and stability testing.

The result of the study of the study shows that PEG-7 glyceryl cocoate concentration variety as a surfactant affects to micellar based water of grape seed oil stability. Formula III with PEG-7 glyceryl cocoate (2,65%) concentration has the best physical quality.

Keywords: micellar based water, grape seed oil, PEG-7 Glyceryl cocoate, micellar based physical quality