

INTISARI

EVIKASARI, 2019, FORMULASI MASKER GEL *PEEL-OFF* EKSTRAK *STRAWBERRY* (*Fragaria x ananassa*) DENGAN VARIASI KONSENTRASI *GELLING AGENT* POLIVINIL ALKOHOL (PVA), KARYA TULIS ILMIAH, FAKULTAS FARMASI, UNIVERSITAS SETIA BUDI, SURAKARTA.

Masker gel *peel-off* antioksidan sebagai alternatif perawatan kulit wajah untuk mengurangi dampak radikal bebas. Ekstrak *strawberry* merupakan salah satu sumber antioksidan tinggi. Penelitian ini bertujuan untuk mengetahui ekstrak *strawberry* dapat dibuat sediaan masker gel *peel-off*, mengetahui pengaruh variasi konsentrasi *gelling agent* PVA terhadap mutu fisik masker gel *peel-off*, serta mengetahui konsentrasi *gelling agent* PVA yang dapat menghasilkan masker gel *peel-off* dengan mutu fisik yang paling baik.

Masker gel *peel-off* ekstrak *strawberry* dibuat 3 formula dengan variasi konsentrasi PVA yaitu : 7%, 10%, 14%. Hasil pembuatan masker gel *peel-off* ekstrak *strawberry* dilakukan evaluasi mutu fisik sediaan meliputi organoleptis, homogenitas, viskositas, daya sebar, waktu kering, pH, stabilitas, iritasi dan kenyamanan pemakaian masker gel *peel-off*. Data dianalisis menggunakan program *SPSS Statistic 21* dengan Anova *one way* dan *Post Hoc*.

Berdasarkan hasil uji bahwa ekstrak *strawberry* dapat diformulasikan menjadi sediaan masker gel *peel-off* dengan mutu fisik yang baik. Peningkatan konsentrasi PVA mempengaruhi mutu fisik sediaan masker gel *peel-off* meliputi viskositas, daya sebar, dan waktu kering. Masker gel *peel-off* dengan konsentrasi PVA 10% memiliki mutu fisik dan kenyamanan paling baik.

Kata kunci : Masker gel *Peel-off*, Polivinil Alkohol, Uji Mutu Fisik

ABSTRACT

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Gel mask peel-off of antioxidant is alternative to facial treatment to reduce the effects of free radicals. Strawberry extract is one of the sources of high antioxidant. This study aims to determine Strawberry extract can made to be gel mask peel-off, to determine affect various concentration of PVA in physical quality of gel mask peel-off and to determine concentration of PVA to be gel mask peel-off with the best physical quality.

Gel mask peel-off strawberry extract created 3 formula with the variation of the concentration of PVA : 7%, 10%, and 14%. The result of the gel peel-off mask of strawberry extract has evaluation of physical quality including organoleptic, homogeneity, viscosity, coverage, dry time, pH, stability, irritation and the wearing comfort gel mask peel-off. Data were analyze using the program SPSS statistic by ANOVA one way and Post Hoc.

Based on the result of the test strawberry extract can be formulated in to gel peel-off mask with quality good physical. The increase of the concentration of PVA affect the gel peel-off mask including viscosity, coverage, and dry time. The result sheow the gel mask peel-off with a concentration of PVA of 10% has the physical quality and the converience of use the most good.

Keywords : Gel mask peel-off, Polivinyll Alcohol, Test of physical quality