

ABSTRACT

EFFECT OF HPMC CONCENTRATION (Hydroxypropyl Methylcellulose) ON PHYSICAL CHARACTERISTICS OF PEEL OFF MASKER GEL EXTRACT OF COCONUT (*Cocos nucifera* L.) (Study conducted in the laboratory of Surabaya Academy of Pharmacy)

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*The skin is one of the outermost organs of the body that has an important role so it needs to be treated properly. Peel off mask is a cosmetic used for facial skin care. Coconut husk extract (*Cocos nucifera* L.) contains tannins with antibacterial properties that play a role in inhibiting the growth of acne. Peel off mask is a gel drug delivery system that requires a gelling agent. HPMC is one of the most frequently used gelling agents for cosmetics. This study aims to determine the effect of HPMC concentration on the physical characteristics of peel off gel mask preparations of coconut husk extract (*Cocos nucifera* L.). The active ingredient used is 0.8% coconut husk extract with 70% ethanol solvent. To determine the effect of the use of HPMC concentration variations on physical characteristics carried out by testing organoleptis, homogeneity, pH, dispersion and dry time. The results of this study showed that HPMC concentration affects organoleptis, dispersion, dry time. However, it had no effect on homogeneity, and the pH of the peel off mask of coir extract (*Cocos nucifera* L.).*

Keywords: *Sabut kelapa, *Cocos nucifera* L., HPMC, peel off mask*