

Lembar Pengesahan

**PENGARUH SORBITOL 70% TERHADAP
STABILITAS FISIK DAN EFEKTIVITAS EKSTRAK
ASAM JAWA SEBAGAI PENCERAH KULIT DALAM
BASIS *VANISHING CREAM***

SKRIPSI

**Dibuat untuk memenuhi syarat mencapai gelar Sarjana Farmasi pada
Fakultas Farmasi Universitas Airlangga
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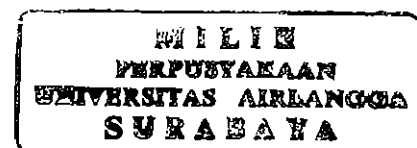


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ABSTRACT

Tamarindus indica's fruit contains some AHAs and other nutritive components which is good for the skin condition. The cosmetic effects of AHA on stratum corneum are lightening the surface of skin, increasing plasticization and decreasing formation of dry flaky scales on skin surface. Humectant optimizes release of AHA from base and promotes penetration of AHA to stratum corneum. These promotes us to find a new formula of skin lightening cream contain *Tamarindus indica* extract by using variety concentration of humectant that gives us the best result in physical stability and lightening skin's colour.

Tamarindus indica extract is formulated in vanishing cream base which is contain different concentration of sorbitol 70%. Then it is treated to some volunteers for 2 months and every 3 weeks the colour of volunteer's skin is being examined and scored using skin colour gradation. The creams also being examined for its viscosity, pH, spreading properties and particle size.

There are 4 formulas which is each of them contains sorbitol 70%; 0%, 3%, 5% and 7%. By using in vivo methode, all of the formula give the same effects on lightening skin colour, but addition of sorbitol accelerate the effect on lightening skin colour. Each formula gives different physical properties. Formula contains sorbitol 70% for 7% gives the best physic stability.

Key Words : *Tamarindus indica*, AHA, humectant, sorbitol, skin colour, lightening , vanishing cream, cosmetic.