Peningkatan Nilai SPF (Sun Protecting Factor) Kombinasi Tabir Surya Oksibenson dan Oktilmetoksisinamat oleh Asam Glikolat.

Abstrak :

The study on the effect of glycolic acid (9%, 10% and 10% b/b) to the SPF-value of sunscreen has been conducted. The sunscreens were formulated with oxybenzon 4% b/b and octylmethoxysinamate 8% b/b (as the active ingredients) in vanishing cream base. The sunscreen effectiveness determination was performed in vitro by measuring the absorbancies of its 10-ppm solutions in isopropanol in 290–370nm. SPF-value was calculated from those data. By one-way ANAVA analysis (p=0,05) it was concluded that there is significant differences between sunscreen formula with and without glycolic acid. Glycolic acid can improve the effectiveness of oxybenzon and octylmethoxysinamate.

Keyword :

Glycolic acid, Octylmethoxysinamate, Oxybenzon, Sunscreen