

ABSTRACT

SEMI QUANTITATIVE ANALYSIS OF THE CONTENT OF *FORMALDEHYDE* IN *SUNSCREEN* PRODUCT WITH CHROMATROPHIC ACID METHOD

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Sunscreen is a cosmetic that is used to protect the skin from exposure to sunlight. The composition of sunscreen includes preservatives, namely to extend the shelf life of the product. Preservatives that exceed the specified standards will have a negative impact on health. One of the permitted preservatives is *formaldehyde* with certain limits. The presence of *formaldehyde* can be determined by testing using a method. The chromotropic acid method is a semi-quantitative method which has the advantages of being simple and having high sensitivity. In this research, there were 19 samples of sunscreen products, both with BPOM registration numbers and not. Of these samples, 5 products did not contain *formaldehyde*, 4 products were classified as yellow discoloration, and 10 products contained *formaldehyde* at various levels.

Keyword : *Sunscreen, Formaldehyde*, semi-quantitative, chromotropic acid.