

ABSTRACT

(LITERATURE REVIEW)

IDENTIFICATION OF RHODAMIN B IN LIPSTIK WITH THIN LAYER CHROMATOGRAPHY

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Lipstick is one of the cosmetics that has become a necessity for women as lip color. Dyes have a role in coloring lipstick so that lipstick has an attractive color. Because the price is cheap, many manufacturers still use Rhodamin B textile dyes. The use of Rhodamine B in lipstick can cause irritation to the skin, eye irritation and is carcinogenic. Based on the background above, the authors are interested in a Literature Review on "Identification of Rhodamin B in Lipstick Using Thin Layer Chromatography Method". Researchers search manuscripts through official databases and library sources relevant to the research topic. The data base used is Google scholar.

From Literature Review stationary phase using silica gel plate GF 254 and the mobile phase uses n-butanol, ethyl acetate, ammonia, and methanol. In addition to the results of the study, it was observed visually, where if the sample contained Rhodamin B, the plate was pink, the study also used UV light with a wavelength of 254 nm and 366 nm which would appear to fluoresce yellow or orange. The results showed that the Rf value of the sample \leq of the standard Rf for comparison, it was found that sample 5 data = 0,95 cm, sample A = 0,75, sample E = 0,675 and code SS = 0,68 cm. The results of this study are that there are still many manufacturers that use Rhodamin B dyes.

Keyword : Lipstick, Rhodamin B, Thin Layer Chromatography