

ABSTRACT

QUALITATIVE ANALYSIS OF RHODAMINE B CONTENT IN LIPSTICK CIRCULATING IN PAMEKASAN MARKET BY THIN LAYER CHROMATOGRAPHY METHOD

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The more the times develop, the more required a person is to look attractive. The more the need for cosmetics, the more cosmetics with various brands and prices appear, especially lipstick cosmetics that are favored by women. One of the main substances in lipstick formulations is dye, the dye itself is divided into 2 namely natural and synthetic. Rhodamine B is one of the synthetic dyes that is prohibited from being used as a cosmetic additive based on the regulation of the Head of the Indonesian Food and Drug Administration Number HK.03.1.23.08.11.07517 of 2011 concerning cosmetic technical requirements. The purpose of this study was to determine whether or not there is Rhodamin B content in lipstick circulating in the Pamekasan market. In this study, the samples used were 3 brands of lipstick with the criteria of striking red lipstick color, having BPOM permission, prices with cheap, middle, and upper categories taken by purposive sampling taken at Pamekasan Madura market. Based on the test results using the KLT method, the Rf value of Rhodamin B standard is 0.8 while in the three samples the Rf value of samples A, B, C is 0.3; 0.4; 0.4 respectively with the color of the stain on the Rhodamin B standard is pink, while the three samples have an orange color. The results showed that lipsticks with codes A, B, and C were safe to use because none of the samples contained Rhodamin B dye.

Keywords: Rhodamin B, Lipstick, Thin Layer Chromatography.