ABSTRACT

Diva Sekar Ayu Asmara, Analysis of Hydroquinone Content in *Hand and Body Lotions* Sold in Blitar Regency. Supervised by Lukky Jayadi, S.Farm., M.Farm., Apt.

Hydroquinone is a compound that is often used in skin whitening products, but its use has been banned due to potential dangerous effects (BPOM, 2019). This research aims to analyze the hydroquinone content in Hand and Body Lotion products sold in Blitar Regency using qualitative analysis using the color reagent method (Fe〖Cl〗_3) and quantitative analysis using the UV-Vis Spectrophotometry method. Handbody lotion samples were taken randomly from various brands sold in Blitar Regency. The research results showed that five samples of Hand and Body Lotion were positive for hydroquinone. In the qualitative test with color reagent (Fe〖Cl〗_3), sample 3 and sample 4 were suspected to be positive for hydroquinone because there was a color change in the sample from white to orange as in the positive control. Meanwhile, in the quantitative test, it was found that it was positive for containing hydroquinone with levels from each sample, namely sample 1: 0.150%; sample 2: 0.352%; sample 3: 0.093%; sample 5: 0.352%; sample 6: 0.094%. These findings emphasize the need for stricter supervision of cosmetic products in circulation to protect consumers from the health risks posed by the use of hydroquinone in Hand and Body Lotion.

Keywords : *Hand and Body Lotions*, Hydroquinone, $FeCl_3$, UV-Vis Spectrophotometry