

ANALISIS KANDUNGAN ZAT PEWARNA SINTETIS PADA BERBAGAI MACAM MERK MINUMAN BERLABEL SARI BUAH YANG DIPRODUKSI OLEH INDUSTRI RUMAH TANGGA YANG BEREDAR DI PASAR BESAR KOTA MALANG



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ABSTRACT

Juice drink is labeled beverage obtained from the fluid obtained by squeezing the fruit, that have not undergone fermentation or intentionally preserved so as not to damage if stored for a long time as well as beverages that are additive (essens) of certain fruits. Manage a wide range of juice drinks labeled in large numbers usually require a Material Supplementary Food (BTM). Use of synthetic dyes are always in fear that every moment of this material could otherwise unfit for use as a food additive. If the use of dyes can cause excessive disruption of health. Dyes contained in foods can be a promoter for a tumor or cancer causing substances can be classified as karsiogenik.

This research was conducted in order to determine the type and concentration of dyes on various labeled brands of juice drinks in the market of the city of Malang.

The population in this study are all labeled fruit juice beverage products that circulate in the large market town of Malang 20 samples labeled fruit juice beverage with 10 different brands purchased at merchants, is done in two replications. Data analysis used descriptive statistical analysis.

Based on observations showing the type used by the manufacturers of the dye is allowed by government regulations. Types of dyes contained in various brands of fruit juice drinks are labeled with Brilliant Blue FCF, Chocolate Brown HT, Allura red AC, Tatzazine, and Sunset Yellow FCF Indigotine. Levels of dyes on each type of dyes contained in the syrup is Brilliant Blue FCF in Fansi brands with higher levels of 56.063 ppm. Chocolate Brown HT Champion brand with the highest at 202.337 ppm and the lowest levels at Panorama brand of 62.120 ppm. Allura Red at Josiee trademark registration 210.941ppm. Tatzazine on Oishii brand of 212 009 ppm. Indigotine the highest for the preferred brand of 598 665 ppm and the lowest mark of 466 015 ppm Kusuma Agro. Sunset Yellow FCF at Fibtos trademark of 45 571 ppm.