The Substance Content in Synthetic Dyes Snacks and Potential Health Disorders in SD Maccini Makassar

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ABSTRACT

Abuse of synthetic dyes for coloring materials snacks in the school environment can be harmful to the health of students. This study aims to determine whether the snacks in elementary Maccini Makassar contain synthetic dyes (Rhodamine B and methanyl yellow) as well as potential health problems caused. This type of research is descriptive survey and laboratory tests. From the entire population of snacks sold in school environments as many as 17 kinds and all 6th grade students Maccini Makassar as much as 97 students. Sampling snacks with purposive sampling techniques as many as 9 kinds and sample students using total sampling as much as 97 people. Methods to determine the content of the synthetic dyes using colorimetric method. The results showed five types of snacks that are tested, there are three types of positive containing Rhodamine B, namely crackers sugar (10 mg / l), Alus sweet (30 mg / l) and the sauce Lombok (30 mg / l), while of the four samples tested snacks containing no methanyl yellow. Potential health problems experienced by students from consuming snacks are allergic (30.9%), sore throat (2.0%), diarrhea (5.1%) and abdominal pain (2.0%). This study concludes that there are types of snack foods that contain dyes Rhodamine B, which can cause health problems in students in the form of allergies, sore throat, diarrhea and abdominal pain.

Keywords: Rhodamine B, Methanyl Yellow, health disorders