

**IDENTIFIKASI ZAT PEWARNA SINTESIS *METHANYL YELLOW*  
DALAM MI BASAH SECARA SPEKTROFOTOMETRI UV-VIS**

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**ABSTRAK**

Penelitian ini bertujuan untuk mengetahui apakah mi basah yang beredar di pasar tradisional kota Batam mengandung zat aktif *Methanyl yellow* atau tidak. Untuk mengetahui berapa kadar *Methanyl yellow* pada mi basah yang beredar di pasar tradisional kota Batam. Metode penelitian ini merupakan jenis penelitian eksperimental, dimana menggunakan pendekatan uji kualitatif dan uji kuantitatif. Metode kualitatif dengan rancangan percobaan laboratorium untuk menentukan adanya pewarna *Methanyl yellow* pada pewarna tepung panir dengan metode uji tes Kit *Methanyl yellow* dengan menggunakan metode benang wol dan KLT. Dari hasil penelitian identifikasi kandungan *Methanyl Yellow* pada mi basah dikota Batam dapat disimpulkan bahwa dari hasil uji kualitatif menggunakan metode kromatografi lapis tipis pada 13 sampel mie basah yang berbeda didapatkan negative. Dari hasil uji kuantitatif menggunakan metode spektrofotometri UV- Vis didapatkan hasil kurva  $Y=0,056x+0,185$   $R^2 = 0.9994$ .

Kata kunci: Zat Pewarna, *Methanyl Yellow*, Mi Basah, Spektrofotometri Uv-Vis.

## IDENTIFICATION OF SYNTHESIS METHANYL YELLOW DYE IN WET NOODLES USING UV-VIS SPECTROPHOTOMETRY

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### ABSTRACT

This study aims to determine whether wet noodles circulating in traditional markets in Batam City contain the active substance *Methanyl yellow* or not. To find out how much *Methanyl yellow* is in wet noodles circulating in traditional markets in Batam City. This research method is an experimental research type, which uses a qualitative test approach and a quantitative test. The qualitative method with a laboratory experimental design to determine the presence of *Methanyl yellow* dye in breadcrumb dye using the *Methanyl yellow* test kit method using the wool thread and TLC methods. From the results of the study on the identification of *Methanyl Yellow* content in wet noodles in Batam City, it can be concluded that the results of the qualitative test using the thin layer chromatography method on 13 different wet noodle samples were negative. From the results of the quantitative test using the UV-Vis spectrophotometry method, the results of the  $Y = 0,056x + 0,185$   $R^2 = 0.9994$  curve were obtained.

Keywords: Dye, *Methanyl Yellow*, Wet Noodles, UV-Vis Spectrophotometry.

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