

**ANALISIS ANGKA LEMPENG TOTAL (ALT) DAN ANGKA KAPANG  
KHAMIR (AKK) TERHADAP PERMEN *JELLY* KULIT BUAH SALAK  
(*Salacca zalacca*)**

Defivetine Putri Hivanny  
Program Studi Sarjana Farmasi  
Institut Kesehatan Mitra Bunda

Dosen Pembimbing  
Suhaera, S. Farm., M. Pharm. Sci.  
apt. Nurliyasman, MPH

**ABSTRAK**

Permen *jelly* merupakan produk pangan semi-basah yang rentan terhadap kontaminasi mikrobiologi, seperti bakteri dan jamur. Kulit buah salak (*Salacca zalacca*) mengandung senyawa bioaktif yang berpotensi meningkatkan nilai fungsional permen *jelly*. Penelitian ini bertujuan untuk menganalisis Angka Lempeng Total (ALT) dan Angka Kapang Khamir (AKK) pada permen *jelly* berbahan kulit buah salak guna menilai keamanannya. Metode penelitian yang digunakan adalah metode *pour plate* dengan media *Plate Count Agar* (PCA) untuk ALT dan *Potato Dextrose Agar* (PDA) untuk AKK. Hasil penelitian menunjukkan bahwa uji Angka Lempeng Total (ALT) pada permen *jelly* kulit buah salak yaitu A  $1,5 \times 10^3$ ; B  $1,4 \times 10^3$ ; dan C  $2,1 \times 10^3$  dan nilai Angka Kapang Khamir (AKK) pada permen *jelly* kulit buah salak yaitu sebesar A  $8,3 \times 10^1$ ; B  $1,3 \times 10^2$ ; C  $7,3 \times 10^1$ . Kesimpulan dari penelitian ini adalah uji Angka Lempeng Total (ALT) berada dalam batas aman sesuai syarat SNI 3547-2:2008 dan PerBPOM No. 13 Tahun 2019 dan uji Angka Kapang Khamir (AKK) pada sampel A dan C memenuhi syarat, sedangkan sampel B belum memenuhi syarat SNI 3547-2-2008 dan PerBPOM No. 13 Tahun 2019.

**Kata Kunci** : Permen *jelly*, Kulit buah salak, Angka lempeng total, Angka kapang khamir

**ANALYSIS OF TOTAL PLATE COUNT (TPC) AND YEAST MOLD COUNT (YMC) ON SNAKE FRUIT SKIN JELLY CANDY (*Salacca zalacca*)**

Defivetine Putri Hivanny  
Mitra Bunda Institut of Health  
Pharmacy Undergraduate Study Program

*Supervisors*  
Suhaera, S. Farm., M. Pharm. Sci.  
apt. Nurliyasman, MPH

**ABSTRACT**

*Jelly candy is a semi-wet food product that is susceptible to microbiological contamination, such as bacteria and fungi. Snake fruit skin (*Salacca zalacca*) contains bioactive compounds that have the potential to increase the functional value of jelly candy. This study aims to analyze the Total Plate Count (TPC) and Yeast Mold Count (YMC) in jelly candy made from snake fruit skin to assess its safety. The research method used is the pour plate method with Plate Count Agar (PCA) media for TPC and Potato Dextrose Agar (PDA) for YMC. The results showed that the Total Plate Count (TPC) test on snake fruit skin jelly candy was A  $1,5 \times 10^3$ ; B  $1,4 \times 10^3$ ; and C  $2,1 \times 10^3$  and the value of Yeast Mold Count (YMC) on snake fruit skin jelly candy was A  $8,3 \times 10^1$ ; B  $1,3 \times 10^2$ ; and C  $7,3 \times 10^1$ . The conclusion of this study is that the Total Plate Count (TPC) test is within the safe limits according to the requirements of SNI 3547-2:2008 and PerBPOM No. 13 of 2019 and the Yeast Mold Count (YMC) test on samples A and C meets the requirements, while sample B has not met the requirements of SNI 3547-2-2008 and PerBPOM No. 13 of 2019.*

**Keywords:** *Jelly candy, Snake fruit skin, Total plate count, Yeast mold count*

## BUKTI HASIL TURNITIN

### DEFIVATINE HASIL TURNITIN

#### ORIGINALITY REPORT

|                  |                  |              |                |
|------------------|------------------|--------------|----------------|
| <b>27</b> %      | <b>27</b> %      | %            | %              |
| SIMILARITY INDEX | INTERNET SOURCES | PUBLICATIONS | STUDENT PAPERS |

#### PRIMARY SOURCES

|          |  |            |
|----------|--|------------|
| <b>1</b> | <b>repository.usd.ac.id</b><br>Internet Source   | <b>3</b> % |
| <b>2</b> | <b>123dok.com</b><br>Internet Source             | <b>2</b> % |
| <b>3</b> | <b>akafarmaponorogo.ac.id</b><br>Internet Source | <b>2</b> % |
| <b>4</b> | <b>www.scribd.com</b><br>Internet Source         | <b>1</b> % |
| <b>5</b> | <b>jurnal.unprimdn.ac.id</b><br>Internet Source  | <b>1</b> % |