

POLITEKNIK KESEHATAN TANJUNGPURUNG
JURUSAN ANALIS KESEHATAN
PROGRAM STUDI TEKNOLOGI LABORATORIUM MEDIS
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Gambaran Jumlah Bakteri *Coliform* pada Es Jeruk di Rumah Makan Kecamatan Rajabasa Kota Bandar Lampung

Xv + 24 halaman, 3 tabel, 3 gambar, 13 lampiran

ABSTRAK

Es jeruk merupakan salah satu minuman yang menggunakan sari buah jeruk yang ditambah dengan air minum, gula, dan es batu. Es jeruk di rumah makan Kecamatan Rajabasa Kota Bandar Lampung dapat terkontaminasi bakteri *Coliform* karena bahan baku pembuatan es batu dan air penambah perasan es jeruk yang digunakan dalam minuman es jeruk. Penelitian ini bertujuan untuk mengetahui jumlah bakteri *Coliform* dan persentase es jeruk di rumah makan Kecamatan Rajabasa Kota Bandar Lampung yang memenuhi syarat dan tidak memenuhi syarat Permenkes No.492/Menkes/Per/IV/2010 yaitu 0/100mL sampel. Penelitian ini dibidang Bakteriologi dan bersifat deskriptif dengan metode MPN (*Most Probable Number*) ragam 5.1.1. Variabel penelitian adalah bakteri *Coliform* dan es jeruk di rumah makan Kecamatan Rajabasa Kota Bandar Lampung. Populasi sekaligus sampel yang diteliti adalah 30 sampel es jeruk di rumah makan Kecamatan Rajabasa Kota Bandar Lampung. Penelitian dilakukan di Laboratorium Bakteriologi Jurusan Analis Kesehatan Poltekkes Tanjung Karang pada bulan Mei 2021. Hasil penelitian jumlah bakteri *Coliform* pada 30 sampel es jeruk adalah 4/100 mL sampai $\geq 979/100$ mL dan disimpulkan seluruh sampel (100%) tidak memenuhi syarat menurut Peraturan Menteri Kesehatan No. 492/MENKES/PER/IV/2010 tentang Persyaratan Kualitas Air Minum,yaitu total bakteri coliform 0/100 mL sampel.

Kata kunci : Es Jeruk, Coliform
Daftar bacaan : 20 (1992 – 2021)

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Overview Determine the Number of *Coliform* Bakteria Count in Orange Ice at Restaurants Rajabasa District Bandar Lampung City

ABSTRACT

Orange ice is a drink that uses orange juice added with drinking water, sugar, and ice cubes. Orange ice in restaurants in Rajabasa District, Bandar Lampung City can be contaminated with Coliform bacteria because the raw materials for making ice cubes and water to add orange ice are used in orange ice drinks. This study aims to see determine the number of Coliform bacteria and the percentage of orange ice in restaurants in Rajabasa District, Bandar Lampung City which meets the requirements and does not meet the requirements of Permenkes No.492/Menkes/Per/IV/2010 is 0/100mL sample. This research is in the field of Bacteriology and is descriptive with the MPN (Most Probable Number) method with a variety of 5.1.1. The research variables were Coliform bacteria and orange ice in a restaurant in Rajabasa District, Bandar Lampung City. The population as well as the sample studied were 30 samples of orange ice at a restaurant in Rajabasa District, Bandar Lampung City. The study was conducted at the Bacteriology Laboratory of the Health Analyst Department of Health Polytechnic Tanjung Karang in May 2021. The results of the study the number of Coliform bacteria in 30 samples of orange ice was 4/100 mL to 979/100 mL and it was concluded that all samples (100%) did not meet the requirements according to the Permenkes No. 492/MENKES/PER/IV/2010 concerning Drinking Water Quality Requirements is total coliform bacteria 0/100 mL sample.

Keywords : Orange ice, Coliform

Reading list : 20 (1992 – 2021)