

ABSTRACT

Thai Tea drink is the current favorite drink of the current millennial generation. Thai Tea beverage products are usually sold in places that are easily accessible to consumers, such as on the side of the highway. This thing makes Thai Tea beverage products have potential to become a medium for foreign object to enter the body if they are not processed properly. This study aims to determine the safety of Thai Tea beverage products that are sold around junior high schools in Central Bogor District. This study used seven samples taken from 7 junior high schools in seven different sub-districts and used a purposive sampling method. Product analysis was carried out twice, including testing the microbial contamination levels of Total Plate Number, Coliforms, Escherichia coli, heavy metal lead chemical contamination and sucrose content in Thai Tea drinks. Research is also supported by field observations and interviews. The results showed that all samples of Thai Tea drinks contained TPC microbial contamination that exceeded the standard, twelve repetition were contaminated with coliform bacteria and Escherichia coli, all repetition were not detected by heavy metal lead contamination and the sucrose content of all repetition did not exceed the maximum daily sugar intake limit.

Keywords: Escherichia coli, Coliform, Lead, Sucrose, Thai Tea, TPC

ABSTRAK

Minuman *Thai Tea* merupakan minuman kekinian favorit generasi milenial saat ini. Produk minuman *Thai Tea* biasanya dijual di tempat yang mudah dijangkau konsumen seperti di tepi jalan raya. Hal ini membuat produk minuman *Thai Tea* berpotensi menjadi media masuknya benda asing ke dalam tubuh apabila tidak diolah dengan baik. Penelitian ini bertujuan untuk mengetahui keamanan produk minuman *Thai Tea* yang dijual di sekitar Sekolah Menengah Pertama di Kecamatan Bogor Tengah. Penelitian ini menggunakan tujuh sampel yang diambil dari 7 Sekolah Menengah Pertama yang berada di tujuh kelurahan berbeda serta menggunakan metode *purposive sampling*. Analisis produk dilakukan dua kali ulangan meliputi pengujian kadar cemaran mikroba Angka Lempeng Total, Koliform, *Escherichia coli*, cemaran kimia logam berat timbal dan kandungan sukrosa pada minuman *Thai Tea*. Penelitian juga didukung oleh observasi lapang dan wawancara. Hasil penelitian menunjukkan bahwa seluruh ulangan minuman *Thai Tea* mengandung cemaran mikroba ALT yang melebihi standar, sebanyak dua belas ulangan yang terkontaminasi bakteri koliform dan *Escherichia coli*, seluruh ulangan tidak terdeteksi cemaran logam berat timbal serta kandungan sukrosa seluruh ulangan sampel tidak melebihi batas maksimum asupan gula harian.

Kata kunci: ALT, *Escherichia coli*, Koliform, Sukrosa, *Thai Tea*, Timbal