

ABSTRACT

AMALIA DWI WAHYUNI. Identification of *Escherichia coli* Bacteria in School Canteen Snacks. Supervised by Yessi Alza, SST, M. Biomed and Dr. Aslis Wirda Hayati, SP, M.Si.

Food problems in Indonesia are characterized by cases of food poisoning where food safety is often ignored. Healthy and safe snacks for consumption are those that can provide benefits and provide energy for the body. The canteen as a place to meet the food and beverage needs of students, school snacks attract children with appetizing colors and flavors at affordable prices. Good food management and presentation are very important for ensuring the safety and quality of food sold. The presence of *coliform* bacteria or *Escherichia coli* in food is an indicator to determine the level of quality of food and beverages microbiologically. The purpose of this study was to identify the presence of *Escherichia coli* and *coliform* bacteria in school canteen snacks. This research is descriptive qualitative. The samples in this study were flavored ice, cilor, and fried chicken. The test for *Escherichia coli* and *coliform* bacteria content using the Total Plate Count (TPC) method was carried out at the Health and Environmental Laboratory of the Riau Provincial Health Office. The results of this study showed that the cilor sample identified the presence of *coliform* bacteria (100 colonies/g) and fried chicken (50 colonies/g). Then in 3 samples no *Escherichia coli* bacteria were identified. This study concluded that *coliform* bacteria were identified and *Escherichia coli* bacteria were not identified in the snack samples. It is hoped that further research will increase the number of samples and identify other bacteria.

Kata kunci : *Coliform, Escherichia coli*, Snacks, and Food safety