

**IDENTIFIKASI BAKTERI *Staphylococcus* sp. DAN *Staphylococcus aureus*
DARI SAMPEL DAGING AYAM YANG DIJUAL DI SEPULUH PASAR
TRADISIONAL DI WILAYAH KABUPATEN KLATEN DENGAN
METODE *POLYMERASE CHAIN REACTION***

Oleh:

LUTFI MAHESTI
20/464457/SV/18776

INTISARI

Staphylococcus sp. merupakan bakteri patogen bagi manusia dan hewan. Bakteri *Staphylococcus aureus* (*S. aureus*) menjadi spesies yang paling virulen dan sering mengontaminasi daging ayam dan dapat menyebabkan keracunan. Penelitian ini bertujuan untuk mendeteksi keberadaan *Staphylococcus* sp. dan *S. aureus* melalui metode uji mikrobiologi dan PCR pada sampel daging ayam yang dijual di sepuluh pasar Kabupaten Klaten, Jawa Tengah. Sampel ditimbang sebanyak 5 g dan dibuat suspensi daging ayam 10%, kemudian ditanam pada media MSA. Hasil dari analisis PCR menunjukkan bahwa 9 (40,9%) sampel positif *Staphylococcus* sp. dan 3 (13,63%) diantaranya positif *S. aureus*. Kesimpulannya, terdapat kontaminasi bakteri *Staphylococcus* sp. dan *S. aureus* pada daging ayam yang dijual di sepuluh pasar di wilayah Kabupaten Klaten.

Kata Kunci: Daging ayam, PCR, *Staphylococcus* sp., *Staphylococcus aureus*

**IDENTIFICATION OF *Staphylococcus* sp. AND *Staphylococcus aureus*
FROM RAW CHICKEN MEAT SAMPLES SOLD IN TEN TRADITIONAL
MARKETS IN THE KLATEN REGENCY AREA USING POLYMERASE
CHAIN REACTION METHOD**

By:

LUTFI MAHESTI
20/464457/SV/18776

ABSTRACT

Staphylococcus sp. is a pathogenic bacterium for humans and animals. *Staphylococcus aureus* (*S. aureus*) is the most virulent species and often contaminates chicken meat and can cause poisoning. This study aims to detect the presence of *Staphylococcus* sp. and *S. aureus* through microbiological and PCR test methods in chicken meat samples sold in ten markets located in Klaten Regency area, Central Java. Samples were weighed as much as 5 g and made into a 10% chicken meat suspension, then cultured on MSA media. The results of the PCR analysis showed that 9 (40.9%) samples were positive for *Staphylococcus* sp. and 3 (13.63%) of them were positive for *S. aureus*. In conclusion, there was contamination of *Staphylococcus* sp. and *S. aureus* bacteria in chicken meat sold in ten markets in Klaten Regency area.

Keywords: Chicken meat, PCR, *Staphylococcus* sp., *Staphylococcus aureus*