

**ISOLATION AND IDENTIFICATION OF *Salmonella* sp. FROM
MASTITIS MILK OF DAIRY CATTLE IN SENDANG, DISTRICT OF
TULUNGAGUNG**

Alvian Widhi Normansyah

ABSTRACT

The purpose of this study was to know the presence of *Salmonella* sp. in cattle with mastitis from dairy farms, Sendang district of Tulungagung. A total of 10 milk samples of cattle with mastitis were taken from that farms. The bacterial Isolation and Identification of *Salmonella* sp. was determined by inoculation on peptone water buffer and selective enrichment media using selenite cystine, followed by biochemically characterisation in TSIA, SIM, SCA , Methyl Red, and Voges Proskauer media. The result showed that *Salmonella* sp. could be detected in (50%) of the samples.

Keywords : *Salmonella* sp., dairy cow, milk, mastitis

**ISOLASI DAN IDENTIFIKASI *Salmonella* sp. PADA SUSU SAPI PERAH
PENDERITA MASTITIS DI KECAMATAN SENDANG
KABUPATEN TULUNGAGUNG**

Alvian Widhi Normansyah

ABSTRAK

Tujuan dari penelitian ini adalah untuk mengetahui keberadaan *Salmonella* sp. pada sapi perah penderita mastitis dari peternakan sapi perah Sendang kabupaten Tulungagung. Sebanyak 10 sampel susu sapi mastitis diambil dari peternakan itu. Isolasi bakteri dan Identifikasi *Salmonella* sp. ditentukan dengan inokulasi pada buffered peptone water dan media pengayaan selektif menggunakan selenite cystine, diikuti oleh karakterisasi biokimia dalam media TSIA, SIM, SCA, Methyl Red, dan Voges Proskauer. Hasil penelitian menunjukkan bahwa *Salmonella* sp. dapat dideteksi (50%) dari sampel.

Kata kunci : *Salmonella* sp., sapi perah, susu, mastitis