

**PROFIL OF RESISTENCY ANTIBIOTIC TO ISOLATED *Escherichia coli*
BACTERY FROM BEEF WHICH IS SOLD IN SOME TRADITIONAL
MARKETS IN SIDOARJO**

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ABSTRACT

The purpose of this study was for describing the resistance of the Erythromycine, Ceftriaxone, Gentamycin, Tetracycline, and Meropenem antibiotic from *Escherichia coli* bacteria. 30 sample were collected from 5 different traditional market (Sepanjang, Waru, Larangan, Wadungasri, Krian) each of them was taken 6 sample from different stall. Sample was collected by swabbing the surface of the meat. Isolation and Identification from the swabbed sample would be confirmed by BGGB, EMBA, TSIA, Indol test using SIM. Isolated *Escherichia coli* would be tested by using antibiotic sensitivity test with Kirby-Baurer method. The resistance test results of 19 isolates of *Escherichia coli* found that bacteria were 100% sensitive to antibiotics Meropenem, 94,7% on antibiotics Ceftriaxone, 89,4% on antibiotics Gentamycin, 63,1% on antibiotics Erythromycine, and 10,5% on antibiotics Tetracycline. *Escherichia coli* isolates which showed intermediate interpretation of 5,2% against antibiotics Erythromycine, Gentamycin, and Tetracycline. *Escherichia coli* isolates which had the highest resistance level on Tetracycline antibiotics as many as 6 isolates (31,5%) and 1 (5,2%) isolates in antibiotics Ceftriaxone and Gentamycin.

Keywords : *Escherichia coli*, Tetracycline, Erythromycine, Gentamycin, Meropenem, Ceftriaxone, Sensitivity test