ABSTRACT

Mayang Elvara Yustita, Identification of *Salmonella sp* in Local Breed Chicken Egg be on the Ttradisional Market at Malang City. Supervised by Tanto Hariyanto, S.Kep, Ns, M.Biomed.

Salmonella sp is usually found in food that contain quite high levels of protein because protein can be a good growth medium for microorganisms. One type of food that contains a lot of protein is local breed chicken eggs. Microorganisms contained in eggs can infect those who consume them, the possibility of infection is higher in consumers who consume raw local breed chicken eggs. The purpose of this research is to identify *Salmonella sp* in local breed chicken eggs to determine the percentage of local breed chicken eggs sold in traditional markets in Malang city that are contaminated with *Salmonella sp. Salmonella sp* itself is a gram-negative bacteria and is bacilus-shaped. The cause of *Salmonella sp* in eggs is caused by horizontal and vertical factors. The method used is a laboratory survey method, and the examination uses bacterial isolation and identification methods. The samples in this study were 10 local breed chicken eggs sold in traditional markets in Malang City from different market traders in Malang City. Based on the research results, it can be concluded that there was *Salmonella sp* in 1 sample of local breed chicken eggs and 9 samples did not contain *Salmonella sp.* In percentage terms, the results were 10% positive and 90% negative for local breed chicken eggs sold in traditional markets in Malang City.

Key Words: Eggs, Salmonella sp, Traditional market