

**PROFILE OF NON SPESIFIC BACTERIAL IN THE REPRODUCTIVE  
TRACT OF DAIRY CATTLE IN THE FOLLICULAR PHASE AND  
LUTEAL PHASE IN DAIRY FARMS IN SURABAYA**

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**ABSTRACT**

This research was conducted to identify non-specific bacterial found in the reproduction tract of dairy cattle in the follicular phase and luteal phase in community retermans in Surabaya. This research used 20 samples consisting of 10 dairy cows taken during the follicular phase and luteal phase. Sampling is taken with the help of insemination gun which is protected by plastic sheath, then the top of the plastic sheath are cut and put into a tube containing PBS. All samples were isolated in general media and selective media. Gram staining is applied to distinguish Gram positive and Gram negative bacteria. Continued with catalase test and spore test. Motility tests and biochemical tests were carried out to identify further bacteria. The bacterium that was successfully identified in this research was Staphylococcus, Pasteurella, Corynebacterium Enterobacter, Streptococcus and Escherichia. The results of this research indicate that in the community retermans in Surabaya, there are quite a lot of bacteria in the reproduction tract, it shows that a lack of good cage sanitation is one of the causes.

**Key words:** Dairy Cattle, Follicular phase, Luteal phase, Reproduction duct, Non Spesific Bacteria