

**ISOLATION AND IDENTIFICATION *Streptococcus* sp FROM DAIRY
CATTLE WITH SUBCLINICAL MASTITIS IN PURWOHARJO
SUB-DISTRICT BANYUWANGI REGENCY**

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ABSTRACT

Subclinical Mastitis is an inflammation of the mammary gland which frequently found asymptomatic, and can decrease milk production. *Streptococcus* sp is one of the pathogenic microorganism agent that can cause subclinical mastitis in dairy cattle. The aim of this study was to detect *Streptococcus* sp bacteria in dairy cattle milk product. A total of 26 samples obtained from dairy cattle which positively detected subclinical mastitis using *California Mastitis Test* (CMT) in Purwoharjo Sub-District, Banyuwangi Regency. Bacterial isolation and identification was performed using agar culture, Gram staining, and biochemical test. The results showed that *Streptococcus* sp bacteria were detected from 5 (19,23%) samples. The conclusion of this study reveal that *Streptococcus* sp bacteria were detected from dairy cattle milk product which suffer subclinical mastitis.

Keywords: Dairy cattle, subclinical mastitis, *Streptococcus* sp, Purwoharjo, Banyuwangi.