

ANTIBACTERIAL ACTIVITY OF CINNAMON BARK (*Cinnamomum burmannii*) ESSENTIAL OIL TO AGAINST *Methicillin-resistant Staphylococcus aureus* FROM RAW MILK IN VITRO

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ABSTRACT

This study was undertaken to determine the in vitro antibacterial activities of essential oil from cinnamon bark (*Cinnamomum burmannii*) on Methicillin-resistant *Staphylococcus aureus* isolated from raw milk. Essential oil from *Cinnamomum burmannii* obtained from steam distillation method and essential oil was made in a series dilution with a concentration of 1%, 2%, 4% and 8% (vol/vol). The antibacterial activities were tested using disk diffusion method . Results showed *Cinamommum burmannii* essential oil has antibacterial activity so that it can inhibit MRSA growth. The concentration of *Cinamommum burmannii* 4% and 8% are effective to against MRSA and it is development as phytopharmaca.

Keywords : Antibacterial, *Cinnamomum burmannii*, Methicillin-resistant *Staphylococcus aureus*, Essential Oil