

ABSTRACT

ANTIBACTERIAL ACTIVITY OF WEST LAMPUNG HONEY AGAINST *Staphylococcus aureus*

By

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*West Lampung was one of the regency in Lampung Province, Indonesia. Some part of West Lampung area was still a forest that become a habitat of honey bees. Honey had activity as antibacterial agents against some bacteria species, include *Staphylococcus aureus* but its antibacterial activity was different depend on each honey.*

*This research was aimed to identified antibacterial activity in West Lampung honey against *Staphylococcus aureus* by seeing diameter of inhibition zone that formed. This study was factorial with randomized complete block design using two factors: honey concentration (20%, 40%, 60%, 80% and 100%) and honey type (West Lampung Honey that the bees got nectar from flower in the forest and from flower in the garden). Each concentration was tested in duplo with five repetition.*

The results showed the honey antibacterial activity in concentration 20% was significantly different with concentration 40%, 60%, 80% and 100%, while concentration 40%, 60% and 80% was significantly different with concentration 100%.

*Both West Lampung honey that the bees got nectar from flower in the forest and in the garden had an antibacterial activity against *Staphylococcus aureus*. The antibacterial activity depends on the level of honey concentration but it didn't affected by honey type and there were no interaction between both of them.*

Kata Kunci: *Antibacterial activity, *Staphylococcus aureus*, West Lampung, West Lampung Honey.*