

**ANTIBACTERIAL EFFECTIVITY OF BETLE LEAF JUICE ON
Staphylococcus sp. ISOLATED FROM WOUND INFECTION IN
SKIN SURFACE BY IN VITRO**

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ABSTRACT

The research to identify the effect of betel leaf juice (*Piper betle Linn*) on *Staphylococcus sp.* had been conducted. The *Staphylococcus sp.* were isolated from animal's wound infection exudates which obtained from Animal's Hospital of Airlangga University Surabaya. The research were done repeatedly for five repetition which in-vitro dilution method on concentration of 100%, 90%, 80%, 70%, 60%, 50% , 40% and 30% betel leaf juice respectively. The variable that had been monitorized was the minimum concentration of betle leaf juice which can inhibited and killed the *Staphylococcus sp.* The result of this research showed that betle leaf juice in 80% consentration could be killed *Staphylococcus sp.* thus, it can be conclude that betle leaf juice bacteriocidal effect on *Staphylococcus sp.* which was isolated form wound infection.

Key words : Antibactery, betle Leaf juice (*Piper betle Linn*),*Staphylococcus sp.*