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

LIA PUSPITO AJENG

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% concentration 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.