ANTIBACTERIAL ACTIVITIES OF SAMBILOTO HERBS EXTRACT  
(Andrographis paniculata Nees) ON STAPHYLOCOCCUS FROM MILK  
OF DAIRY COWS MASTITIS

Abstrak :

ABSTRACT
Investigation by using Sambiloto extract as antibacterial agent of Staphylococcus aureus and Coagulase 
Negative Staphylococci should be done to solve mastitis problems. The experiment was used 70 milk 
samples that collected from Nongkojajar and Batu Dairy Herds for identification and isolation of 
Staphylococcus aureus and Coagulase Negative Staphylococci. From mastitic milk samples were identified 
isolate S. aureus by Staphylococci are perfectly spherical cells about 1 micrometer in diameter and grow in 
clusters, β hemolysis, coagulase (+), catalase (+) and Gram (+), however Coagulase Negative 
Staphylococci have coagulase (-).
Antibacterial test against some bacteria from the milk of dairy cows mastitis performed using the diffusion 
method of Kirby Bauer. Antibacterial discs were given the extract powder of sambiloto 0 mg, 125 mg, 250 
mg and 500 mg in 70 cc of water solvent. The result showed that there was no antibacterial activity from 
sambiloto extract againts isolates of Staphylococcus aureus and Coagulase Negative Staphylococci (CNS) 
were collected from Nongkojajar and Batu dairy herds

Keyword :

Staphylococcus aureus, CNS, antibacterial test, sambiloto extract