

## **ABSTRACT**

### **A COMPARISON OF HONEY ANTIBACTERIA POWER, GLUE EXTRACT OF BEE (Propolis) AND AMPICILIN TOWARD *Staphylococcus aureus* AND *Escherichia coli***

**By**

**RIKA YANA**

Synthetic antibiotic substitution alternative is natural antibiotic that is contained in natural substances such as honey and propolis produced by bees.

Found in this research, honey and propolis is effectless to be used to block the growth of all type of bacteria. Honey gives greather effectiveness than propolis for positive gram antibacteria (*S. aureus*) while propolis gives greater effectiveness than honey for negative antibacteria (*E. coli*).

The data of the research result shows the biggest blocked diameter of well difusion experiment is found in 50% concentration. In *S. aureus* bacteria, propolis blocked diameter is 6 mm while honey 20 mm. In *E. coli* bacteria propolis blocked diameter is 40 mm while honey 7 mm.