

## **THE EFFECT OF ADDING PROPOLIS IN SKIM MILK DILUTER ON VIABILITY AND MOTILITY OF THE SHEEP'S SPERMATOZOA**

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### **ABSTRACT**

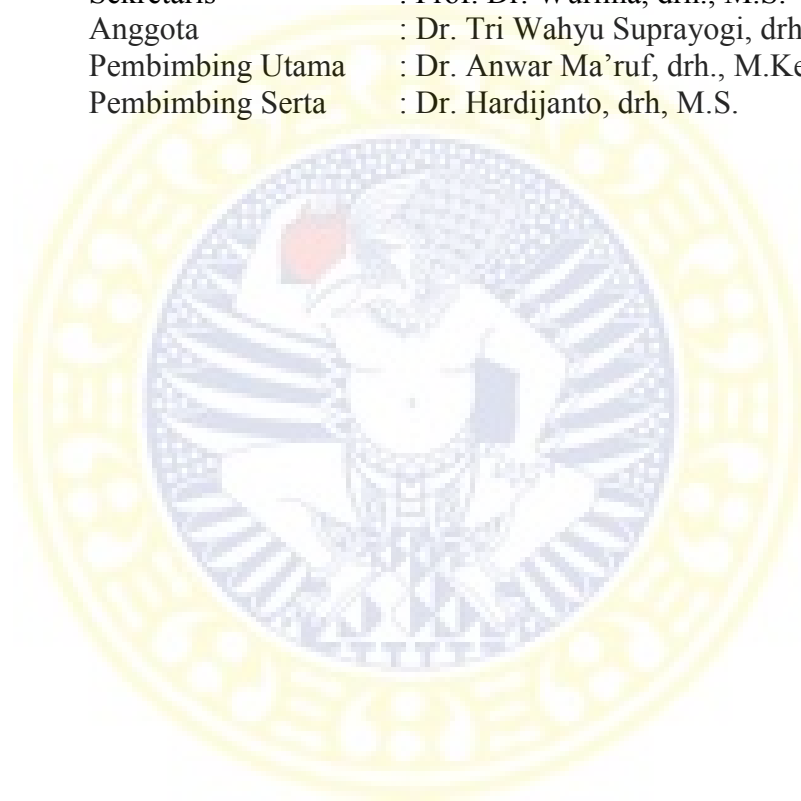
The proposed of this research was to find the effect of adding propolis in skim milk diluter on viability and motility of the sheep's spermatozoa. The sample have been used in this researched was sheep spermatozoa. Each sample was divided into seven groups treatment; they were 1) control without addition of propolis, penicillin, and streptomycin, 2) control with addition of penicillin and streptomycin, 3) treatment of 0,001 ml propolis in diluter, 4) treatment of 0,005 ml propolis in diluter, 5) treatment of 0,0001 ml propolis in diluter, 6) treatment of 0,0005 ml propolis in diluter, and 7) treatment of 0,00001 ml propolis in diluter. Each groups treatment was rested down about 30 minutes in room temperature then followed by spermatozoa viability and motility checking. Data taken was analyzed using ANOVA test followed by Tukey test. The result of research shows that adding propolis in skim milk diluter isn't able to maintain the viability and motility of sheep's spermatozoa. It is caused by propolis which used in this research was less effective to inhibiting the growth of microbial so effectiveness of its activity decreased, compared with use of penicillin and streptomycin antibiotic that didn't give a negative effect when administered at measurable dosage and condition.

Key words : Propolis, skim milk diluter, viability, motility, spermatozoa

Telah dinilai pada Seminar Hasil Penelitian  
Tanggal : 18 Februari 2014

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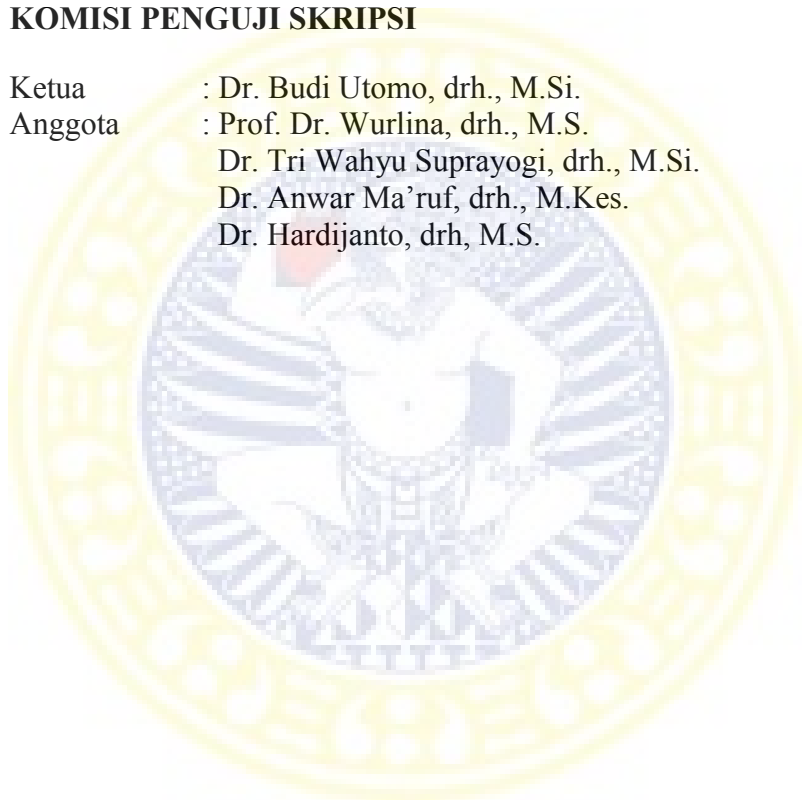


Telah diuji pada

Tanggal : 26 Februari 2014

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