

**UTILIZING INFORMATION TECHNOLOGY (IT) FOR HEAD SURFACE
AREA OF SPERMATOOZA SHEEP WITH BIOMETRIC
MEASUREMENT METHOD**

Eny Rahmawati

ABSTRACT

The proposed of this research was the measure the spermatozoa head surface area by utilizing Information Technology (IT) and microscope micrometer. The measurement method have been used in this research was the leaf surface area measurement method and crossing product of maximal length and maximal width of spermatozoa cell method. The crossing product from one of square surface area with the summery of all square surface are which fulfill spermatozoa head cell was resulted by this leaf surface area measurement method. The sample have been used in this researched was sheep spermatozoa cell. The result of measurement from 30 sample width leaf surface area method showed significant difference after it was compared with crossing product of maximal length and maximal width of spermatozoa head cell method. This leaf surface area measurement method can be used to measure spermatozoa head surface area approximately accurate.

Key words : Information Technology (IT) , Spermatozoa cell, Leaf surface area method