

## **OPTIMALISASI KONSENTRASI KUNING TELUR PADA PROSES PEMBEKUAN SEMEN DOMBA GARUT (*Ovis Aries*)**

Oleh : Herdis & MR Toelihere, I. Supriatna, B. Purwantara & RTS Adikara

### **ABSTRACT**

*Egg yolk contain lecithin and lipoprotein which protected spermatozoa during freezing process semen. The Research was done to observe influence of egg yolk (dose in the semen extender) on the quality of garut rams frozen semen. Semen was collected once a week using artificial vagina from six mature garut rams. The result indicated that quality of frozen semen in the semen extender with egg yolk dose 20% higher than dose 10%. The percentages of plasma membrane intact in the semen extender with egg yolk dose 20% (55.1 = 69% 2.6%).*

*In conclusion the semen extender with egg yolk dose 20% is optimal dose to improve the quality of frozen semen of garut rams.*