

INTEGRITAS DAN DAYA HIDUP SPERMATOZOA PADA PEMBEKUAN SEMEN DOMBA GARUT (*Ovis arios*) DENGAN PENGENCER DASAR TRIS DAN SUSU SKIM KLINING TELUR

Herdis¹, M. R. Toelihere², I. Supriatna², B. Purwaritara² dan RTS. Adikara

¹Badan Pengkajian dan Penerapan Teknologi. old. BPPT II Lt. 16,
Jln. M.H. Thamrin.8 Jakarta 10340. Tlp. 021-3169587 Fax. 021-3169566

² Program Studi Biologi Reproduksi Sekolah Pascasarjana Institut Pertanian Bogor
Kampus IPB Darmaga Bogor.

³ Fakultas Kedokteran Hewan Universitas Airlangga Surabaya

Abstract

The study was done to observe the effect of egg yolk tris Extender and egg yolk skim milk extender addition on the spermatozoa integrib and the spermatozoa cryosurvival of garut rams. Semen was collected once a week using artificial vagina from six mature garut rams. The result indicated that percentages of post thawing plasma membrane, acrosomal intact and live for the egg -volk tris extender (63,67%; 58,17% and 58,50%) was not significantly difference ($P>0,05$) than egg yolk skim milk extender (60,67%; 57,33% and 56%). Percentages , of post thawing motility for the egg yolk tris extender (54,17%) was significantly higher difference ($P<0,05$) than egg yolk skim milk extender (43,33%). In conclusion, the egg yolk tris extender is the optimal extender in semen frozen process of garut rams.

Kata kunci: pengencer semen, spermatozoa, domba garut,