INTISARI

KADAR HORMON DEHIDROEPIANDROSTERON (DHEA) PADA CAIRAN FOLIKEL OVARIUM SAPI POTONG YANG DISEMBELIH DI RPH GIWANGAN, YOGYAKARTA

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Penelitian ini bertujuan untuk mengukur kadar hormon Dehidroepiandrosteron (DHEA) antara cairan folikel kecil dan cairan folikel besar ovarium sapi potong yang diperoleh di Rumah Potong Hewan Giwangan, Yogyakarta. Pada penelitian ini menggunakan 14 sampel cairan folikel kecil (d<5 mm) dan 14 sampel cairan folikel besar (d>5 mm) yang diisolasi dari ovarium sapi potong yang disembelih di Rumah Potong Hewan Giwangan, Yogyakarta. Cairan folikel diuji dengan menggunakan uji ELISA untuk mengetahui kadar DHEA. Hasil ELISA dianalisis secara statistik menggunakan metode *Independent Samples T-test* untuk melihat adanya perbedaan konsentrasi DHEA. Hasil penelitian ini menunjukkan kadar rata-rata DHEA pada cairan folikel kecil, yaitu 3,36 ng/ml lebih rendah daripada di cairan folikel besar, yaitu 4,10 ng/ml. Kadar DHEA yang lebih tinggi di cairan folikel besar daripada di cairan folikel kecil mengindikasikan rendahnya kadar LH pada sapi-sapi betina produktif yang dipotong di RPH Giwangan, Yogyakarta. Dari hasil penelitian ini didapatkan kesimpulan kadar hormon DHEA pada cairan folikel kecil ovarium memiliki kisaran yang sama dengan kadar hormon DHEA pada cairan folikel besar ovarium sapi potong

Kata kunci: Dehidroepiandrosteron, cairan folikel, sapi potong, folikel, ovarium

ABSTRACT

DEHYDROEPIANDROSTERONE (DHEA) LEVEL IN FOLLICULAR FLUID OF OVARIAN CATTLE SLAUGHTERED IN GIWANGAN SLAUGHTER HOUSE, YOGYAKARTA

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This study aims to measured the DHEA levels between the small and large follicular fluid of ovarian cattle obtained from Giwangan slaughter house, Yogyakarta. The study was used 14 samples of small follicular fluids (d< 5 mm) and 14 samples of large follicular fluids (d>5 mm) isolated from ovarian cattle obtained from Giwangan slaughter house, Yogyakarta. The follicular fluids were measured by ELISA to determined the DHEA concentration. Result of ELISA analyzed statistically using Independent Samples T-test methode to determined difference level of DHEA. The result of this study showed average of DHEA level in small follicular fluid were 3,36 ng/ml lower than in large follicular fluid were 4,10 ng/ml. The DHEA levels were higher in large follicular fluids than in small follicular fluids indicated the low of LH level in productive cattle slaughtered in Giwangan slaughter house, Yogyakarta. Based on this study it was concluded that DHEA level in the small follicular fluids has the same range levels with DHEA level in large follicular fluids of ovarian cattle follicles.

Kata kunci: Dehydroepiandrosterone, follicular fluid, cattle, follicle, ovary