

**CALCULATION PROTEIN CONTENT
FERTILITY ASSOCIATED ANTIGEN (FAA)
SEMINAL VESICLE OF BULL BRANGUS
USING NANO DROP**

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ABSTRACT

Fertility Associated Atigen (FAA) was a protein which had a serves as a facilitator in the capacitation of spermatozoa during ejaculation. FAA presence in the plasma membrane of spermatozoa and plasma seminalis may increase fertility of the bulls. The purpose of this study was to calculate the protein content of the preparation of Fertility Associated Antigen (FAA) in the bull seminal vesicles (seminal plasma source). This study uses the seminal vesicles of nine male muzzle cow (S-1, S-2, S-3, S-4, S-5, S-6, S-7, S-8, S-9). Glands obtained from slaughterhouses, extracted using a muller mortar and mixed with PBS. Samples are identified using the technique of SDS-PAGE and Western blot, after the test using monoclonal antibody anti FAA of nine samples of only three samples that showed positive FAA is the sample S-1, S-3 and S-4. All three samples were then performed to obtain isolates FAA electroelution. Results FAA isolates of S-1 as much as 182 μ l, S-3 as much 1200 μ l and S-4 as much 1,400 μ l. Isolates were then done tera protein using Nano Drop, and the result is that the sample S-1 as much 0.260 ug/ml, sample S-3 as much as 0.164 ug/ml, and the samples S-4 as much 0.242 ug/ml. So it can be concluded on the seminal vesicles of male muzzle cow still contains a bit of the FAA, and the seminal vesicles which have isolates with high volume results do not necessarily have a high protein as well.

Key Words : Seminal Vesicle, FAA, Elektroelusi, Nano Drop