THE QUALITY AND RESISTANCE TEST OF FRESH SEMEN MADURA BULLS IN UPT PEMBIBITAN TERNAK DAN KESEHATAN HEWAN AT PAMEKASAN DISTRICT

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ABSTRACT

The aim of this research was to investigate the quality and resistance of fresh semen Madura bulls that viable to be processed into frozen semen in UPT Pembibitan Ternak dan Kesehatan Hewan at Pamekasan district. The research method used descriptive and analyzed by one sample t-test and wilcoxon test which were compared with the standard fresh semen of bull BBIB Singosari and SNI used IBM SPSS statistic version 21. The samples were 10 Madura bulls and variables observed were volume, smell, colour, consistency, pH, motility, concentration, life percentage of spermatozoa, abnormality of spermatozoa, and resistance of semen. The result of research had shown that the smell, colour, and consistency were normal. The average of life percentage of spermatozoa was 67,75±13,33. pH was very significant ($p<0,01$) with average of the pH was 6,95±0,11, while standard is 6,2-6,8. The volume, concentration, and abnormality of spermatozoa were not significantly different ($p>0,05$) the average of volume was 5,06±2,32, while standard is 6–15 ml, the average of concentration was 1026±375, while standard is 1000, and the average of spermatozoa's abnormality was 12,7±5,62, but standard is 10%. The motility was significantly different ($p<0,05$) with the average of individual movement was 60±12,13, while standard is 70% progressive and the average of mass movement was 1,6 ± 0,52, while standard is 2. The resistance of semen Madura bull showed normal number which was 3100±737,865. However, the feasible resistance of semen for insemination was 3000. From this research, it can be concluded that fresh semen of Madura bulls were feasible enough to be processed into frozen semen.

Key word : Quality of semen, Madura cattle, resintance of semen, semen