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Thesis Title : A Comparative Study of the Effect of a Videotape Program Approach with a Demonstration Approach on Learning Achievement and Retention in Teaching Artificial Insemination in Swine

Concentration : Technical Education Technology

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Abstract

The purposes of this study were to compare the effect of using a videotape program approach and a demonstration approach on learning achievement and retention in teaching artificial insemination in swine. The samples were sixty second-year certificate level students of Burirum Agricultural College; registered in the second semester of 1991 academic year. They were randomly assigned to two-30 student groups by stratified random sampling and simple random sampling. The research instruments consisted of videotape program and an achievement test, constructed by the researcher. The method was consequently conducted through the score analysis by using arithmetic mean and standard deviation. Finally, a t-test was used for testing the significant difference.

The results of the research revealed no significant difference on students learning achievement and retention between the using of videotape program approach and demonstration approach in teaching insemination in swine at 0.01 level.