Surangkanang Chararnruck 2009: Database System of Deep Frozen Semen. Master of Science (Agricultural Information Technology), Major Field: Agricultural Information Technology, Interdisciplinary Graduate Program. Thesis Advisor: Associate Professor Supat Farungsang, M.S. 94 pages.

The research purposes were to study 1) the application of information technology in animal husbandry by creating database system of deep frozen semen and 2) evaluating database system. The program used were AppServ Open Project 2.5.10 (My SQL) 1) Apache Web Server (2.2.8) 2) PHP Script Language (5.2.6) 3) MySQL Database (5.0.51b) and 4) phpMyAdmin Database Manager (2.10.3). The process of include studying and collecting information on database system of deep frozen semen for structure and database design and then building user interface. The program consisted of introducing, searching and showing the information. Finally the program was installed and evaluated by users.

The results were the user satisfied with the program highly because of its response to their needs in the flowing aspects, easiness to work and manage information system ability to save, search, recall, edit and delete the information rapidly. The important of this program were ability to recall information by identifying position of frozen semen placed in the tank. Finally the program gave the advantage in decreasing risk from temperature changing of having poor quality frozen semen when users randomly took them out of the liquid Nitrogen

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