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NATURAL RESOURCES; M.Sc. (TECHNOLOGY OF INFORMATION
SYSTEM MANAGEMENT)

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SIPPAKARN KASSAWAT : THE EXPERT SYSTEM FOR RABIES DIAGNOSIS IN
DOGS. THESIS ADVISORS : PORNSIRI SINSAWASDI M.S., SITTIPONG DILOKWANICH
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The objective of developing the Expert System for Rabies Diagnosis in Dogs is for dog enthusiasts such as dog owners, veterinarians, ect., to diagnose the producing symptoms and offer recommendations for treating an infected dog and persons who are at risk of infection.

The analysis and designing of the system of disease diagnosis has followed the diagnostic methods of experts. Knowledge concerning expert system can be divided into 2 types: knowledge for rabies diagnosis, and knowledge for giving recommendations. Major tools of system development used were Microsoft Access 97 for system management of relational database and Microsoft Visual Basic 6.0 for designing the front end-user interface. This expert system is fully compatible with the Windows 98 operating system.

The results of this research has shown that all three levels of end-users: general users, veterinarians, and system experts, who tested this system are satisfied in terms of the system's ease of use, reliable diagnosis and proper recommendations.