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NATURAL RESOURCES ; M.Sc. (TECHNOLOGY OF INFORMATION
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DISEASE OF CHICKEN

CHONGMAS SRISUWAN : DEVELOPMENT OF INFORMATION SYSTEM FOR
DIAGNOSIS OF INFECTIOUS DISEASES IN CHICKEN. THESIS ADVISORS: PORNSIRI
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SASIPREEYAJAN Ph.D. 247 p. ISBN 974-663-814-9

The objective of this research was to develop an information system for diagnosis of infectious diseases in chicken. In this research data of infectious diseases from symptoms and lesions was collected in order to create decision tables. There were a total of 33 infectious diseases studied and this research was a preliminary study toward developing an information system from the analysis of symptoms and lesions of chicken diseases.

Structured analysis and design processing were used for system development from the objective and target used to create a new system. The Microsoft Access 97 program was used as database design to diagnose the diseases, their symptoms and lesions. Borland Delphi 4.0 was used for designing the user interface program that checked symptoms, lesions and range of age of the infected chickens in order to identify the results of chicken diseases and suggest a control and treatment of the infected chickens.

The Wilcoxon Signed Ranks Test was used for assessment of the system program in 2 groups, animal husbandry of 25 persons and veterinary of 25 persons. They found that the chicken diagnosis system can be easy to understand and helpful for quick diagnosis of chicken infectious diseases and their control. Also, it can help appropriate suggestions.