

Independent Study Title	Chemical Control System of Thanathon Orchard Fang District, Chiang Mai Province
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ABSTRACT

The purpose of this independent study, titled “Chemical Control System of Thanathon Orchard, Fang District, Chiang Mai Province” is to develop an efficient inventory system program to replace the manual inventory system and to produce the information for inventory management from a database.

The research methodology consisted of the use of an original learning system, collection of data, system analysis and design of the database system. The knowledge acquired from this research resulted in the creation of a well developed and designed program, based on the use of the Microsoft Windows XP Professional operating system and the SQL Server program. These programs were implemented as tools in the development of the database management system program. The Visual Basic programming is also used to develop an application. The development of Chemical Control System of Thanathon Orchard was structured according to the four major store procedures which are; contacting and receiving chemical from head office, contacting and sending chemical to orchard, contacting and gleaning orange to head office and the report production system.

The result of this independent study is an accurate chemical database application that able to produce the required information and meet the satisfaction. However the program's implementation requires time and compromises need to be made between the previous inventory workflow and the new inventory workflow in conjunction with the program.