

Independent Study Title Management System for Raw Material Inventory at
Thai - Lanna and Herbal Industry Co.,Ltd.

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ABSTRACT

Thai - Lanna and Herbal Industry Co. Ltd, which processes indigenous medicinal plants into herbal medicines for treatment of various kinds of human ailments, faces many production issues and problems. These issues and problems range from raw material identification, inventory, process-scheduling and product quality assurance. The aim of this independent study is to develop a Raw Material Inventory Management System (RMIMS) to resolve some of the issues of raw material identification, inventory, material condition, raw material life cycle and process scheduling, so that product quality assurance can be maintained. The RMIMS can achieve cost efficiency and effectiveness in terms of controlling raw material wastage and quality management.

The design and development of the RMIMS was based on the System Development Life Cycle (SDLC). Visual Basic 6.0 software was used to create the input-output screen. MySQL was used as the Relational Database Management System (RDBMS) to create the database structure and RMIMS data management. Operationally, the RMIMS is able to support, store, record, update data and present the conditions and trends of raw material operations and management for decision support reports, thus, fulfilling the overall objective of the independent study.