

**THE DEVELOPMENT OF BUSINESS INTELLIGENCE FOR LIBRARY
MANAGEMENT DECISION MAKING ON RFID TECHNOLOGY**

NATTAPA PATTANO 5636642 EGIT/M

M.Sc. (INFORMATION TECHNOLOGY MANAGEMENT)

**THEMATIC PAPER ADVISORY COMMITTEE: SOTARAT
THAMMABOOSADEE, Ph.D., SUPAPORN KIATTISIN, Ph.D.**

ABSTRACT

This study proposes a business intelligence tool to support library executives in making decisions on radio frequency identification (RFID) technology deployment. The RFID system is still a new technology for several libraries in Thailand. To consider RFID deployment, librarians and library management want to know which libraries have installed either high frequency RFID or ultra-high frequency systems and are located in the same district area or at other locations. The budget spent on the system installation for a certain number of books is also useful information for them.

The study shows libraries already equipped with RFID components, together with budget, number of the books, and type of library. It also shows deployment figure in each region of the country and an overview of the libraries with HF and UHF RFID are displayed. Various characteristics of the information that was derived can be useful for the management for strategic planning. Information about different devices available in the RFID system is also useful for the library.

The developed results of this study could prove useful to library directors as well as vendors of RFID systems. Library management can see an overview of RFID libraries and use it to obtain more detailed information to plan the development of a system for their libraries. Moreover, the vendors of RFID systems are also able to use the results to develop their marketing plans.

KEY WORDS: RFID / LIBRARY/ BUSINESS INTELLIGENCE

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