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WIBOON WONGWIWATWAITHAYA : DEVELOPMENT OF SUPPLY CHAIN
MANAGEMENT USING RFID : A CASE STUDY OF FASHION WEAR BUSINESS. THESIS
ADVISOR : SUNEE PONGPINIGPINYO, Ph.D.. 164 pp.

This thesis is about the development of management system applying identification technology which is Radio Frequency Identification (RFID) : A Case study of clothes business. The objective of this thesis is the development of application software with Radio Frequency Identification for access supply chain system clothes business system to be able to give assurance on traceability of product.

This research work presents the application of usage of RFID with supply chain management system in industrial and commercial such as Product Management System, Warehouse Management System, Retail Management System and Traceability system. At present, Electronic Product Code (EPC) is implement join with European Article Number (EAN) International in Europe, Uniform Code Councill (UCC) and Auto ID Center in United states EPC is the standard which is set to identify product number in order to increase efficiency of Product Management System. The website of supply chain RFID of Thailand is developed in this research. This website is the center of management and set EPC standard for material produces, goods produces and retail to be able to use the same standard RFID which is able to apply to be used in supply chain management by using the same standard. It assists all produces to be able to increase efficiency, reduce cost and increase the capability of market access of global retail. This system is also evaluated in two parts. The first part is that the system is tested for accuracy. The second past is that the system is tested for customer satisfaction of traceability system. The results of customer evaluation is in good level.

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