

Universiti Teknologi MARA

**The Acceptance of RFID Implementation
to the Manufacturers' Supply Chain
Environment**

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APPROVAL

THE CONVERSION FOR CONTENT OF NOTE FROM DIFFERENT APPLICATION

BY

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This thesis was prepared under the direction of thesis supervisor, En. Azlan Abd Aziz. It was submitted to the Faculty of Information Technology and Quantitative Sciences and was accepted in partial fulfillment of the requirements for the degree of Bachelor of Information System Engineering.

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DECLARATION

I certify that this project to which it refers are the product of my own work and that any ideas or quotation from the work of other people, published or otherwise are fully acknowledged in accordance with the standard referring practices of the discipline.

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ABSTRACT

Radio frequency identification (RFID) spending in Malaysia is estimated to grow at a compound annual growth rate (CAGR) of 45.84% to almost US\$20.94 million (RM77 million) in 2010 from US\$2.45 million ((RM9 million) in 2005. IDC in its latest research report on RFID, entitled “Malaysia RFID 2006-2010 Forecast and Analysis”, said the bulk of spending would occur among the public sector (education and government ministries), and the manufacturing, financial services and healthcare sectors.

The general purpose of this research is to capture the manufacturers’ acceptance of RFID implementation to their supply chain environment. The objectives of this research can be defined as to determine the actual costs and that manufacturers willing to invest and increment of profit when introducing the RFID technology, to identify any significant business processes that need to be changed in managing the supply chain after the implementation of RFID technology and to identify the methodical approaches to RFID exploration that can help manufacturers to navigate the hazards and effectively explore the opportunities the technology holds.

The implications of this study will be significance value to solutions providers and manufacturers of RFID in Malaysia.