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FACULTY OF INFORMATION MANAGEMENT

BACHELOR OF SCIENCE (HONS.) IN LIBRARY AND INFORMATION MANAGEMENT

RELEVANCY OF IMPLEMENTATION THE RFID SELF-CHECK MACHINE IN TATIUC LIBRARY

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2nd September 2013 - 28th November 2013

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ABSRTACT

The literature has showed that libraries in developed countries are fast growing early adopters of Radio Frequency Identification (RFID) technology. The adoption of RFID in supply chain has reported superior growth. Abundant test have been executed in a variety supply chain environment to determine performance requirement, physical characteristic and limitations to achieve a near 100% read rate. However, the literature is sparse on reports of performance testing in a library setting, and results from supply chain testing should be reluctantly applied to other environment. Yet, the study proceed based on the literature examines the benefits of implementation the RFID Self-Check machine in library. The library automated checkout system, also known as the self-checkout system, is a tool that can be used by library patrons to check out materials independently. The study was conducted in academic library at TATIUC Library with the distribution of 150 sample questionnaire to the student in three main faculties. The distribution of survey questionnaire is to check the relevancy of the installation the Self-Check in TATIUC library in students' viewpoint. The study's purpose was to determine the attitudes of library patrons toward this technological tool. It revealed that there is a positive relationship between the ease of using the self-checkout machine and patrons' satisfaction levels.

Keyword: *RFID, Self-Checkout Machine, RFID Barcode, RFID in library.*

ACKNOWLEDGEMENT

The paramount purpose of writing this to express my gratitude to all who has helps me to complete this case study.

Foremost, I would like to express my appreciation to my family who has been supportive in every way in my progress to finish this academic writing report. I am greatly indebted for their concern and understanding which helped me endure all obstacles.

I would like to state my deepest respect and sincere gratitude for my supervisor late Assc. Prof. Dr. Mohd Sharif Mohd Saad for his guidance and encouragement throughout my work. His constructive criticism, expert remarks and personal guidance have been the heart and soul of this work from conception to completion.

I am thankful to UITM lecturers who still can give their advice when I needed especially Mr.Zaihan Endin. As well to all TATIUC library staff for their information and guidance provided. In spite of all responsibilities and duties, they still can attend in-depth discussion which provided invaluable contribution to ensure steady progress of my research paper.

I am grateful to UITM library staff and also my friends who give ideas. To all people who has help me intended or unintended.