THE DETERMINANTS OF RMPnet SYSTEM ADOPTION AMONG SENIOR POLICE OFFICERS OF ROYAL MALAYSIA POLICE

SAADIAH BINTI KADIR

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SAADIAH BINTI KADIR

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(Internal Examiner) : Dr. Thi Lip Sam

Tandatangan
(Signature)

Tanggal: 4 November 2012
(Date)
Nama Pelajar (Name of Student) : Saadiah binti Kadir

Tajuk Tesis / Disertasi (Title of the Thesis / Dissertation) : The Determinants of RMPnet System Adoption among Senior Police Officers of Royal Malaysia Police

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ABSTRACT

Technology adoption has emerged as an important determinant in understanding its acceptance by end-users in many government organizations. However, there has not been much research focused on technology adoption in government organization in Malaysia especially in law enforcement agencies. This study investigates the determining factors that affect the end-users’ technology adoption in a government organization in Malaysia. Specifically, the aim of this study was to determine the system technology adoption among senior police officers of Royal Malaysia Police (RMP). A survey methodology was employed to collect the data. Senior police officers from the contingents of Bukit Aman, Selangor, Kuala Lumpur, Central Brigade General Operations Force, RMP College Kuala Lumpur, Negeri Sembilan, Melaka, Johor and RMP Technical College were chosen as the sample for this study. A systematic sampling procedure was used to select respondents from the respective police contingents. Ten hypotheses were proposed regarding the determinants of RMPnet System technology adoption. Structured questionnaires comprising 41 questions that were used to measure seven variables; RMPnet System adoption, innovativeness, top management support, RMPnet System experience, perceived usefulness, behavioural intention, and user support were adopted in this study. Out of the 700 questionnaires, only 521 were usable, thus yielding a response rate of 74.4 percent. The findings revealed that significant relationships exist between four of the determinants (top management support, perceived usefulness, user support and system experience) and RMPnet System adoption. The findings also revealed that innovativeness moderated the relationships between all the determinants (top management support, perceived usefulness, user support, technology experience and system experience) and the RMPnet System adoption. The study concluded with a discussion on theoretical and practical implications and suggestion for future research.

Keywords: Technology Adoption, Top Management Support, Perceived Usefulness, User Support
ABSTRAK


Kata Kunci: Penggunaan Teknologi, Sokongan Pengurusan Atasan, Tanggapan Kegunaan, Sokongan Pengguna
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CHAPTER ONE
INTRODUCTION

1.1 BACKGROUND

The adoption of technology has grown tremendously in the past decades, providing companies with new opportunities to support their activities (Manning, 2008). The technology adoption process involved a series of processes that an organization must undertake. It could only be decided whether or not to implement the new technology after all the processes had been undertaken (Kamal, 2006). Technologies were important tools for organizational change and occurred at the same time as the adoption of new ideas or behavior by an organization (Daft, 1978). Adopting technology to support organizational needs was a crucial prerequisite because of the opportunity of exploiting the potentials actual benefits of technology. Innovation and adoption could be conceptualized as being a series of temporal processes where a person had to undergo from the initial phase of acquiring the know how until he or she came to a state where he or she would be capable of making decision whether to adopt or reject the new technology (Rogers, 1995).

Research on the determinants of individual technology adoption in organizations continues to be a significant area for academicians, and though organizations had the authority to introduce new technology, the persons who made the final decision to reject or adopt the technology would be the end-users (Agarwal, 2000; Lewis, Agarwal & Sambamurthy, 2003). Innovation is what individuals made presumptions that the technology to be adopted was new (Rogers, 1995).
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