

**WEB-BASED ACADEMIC MANAGEMENT SYSTEM  
(WAMS)**

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**UNIVERSITI UTARA MALAYSIA**

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**WEB-BASED ACADEMIC MANAGEMENT SYSTEM  
(WAMS)**

**A thesis submitted to the College of Arts and Sciences in partial fulfillment of the  
requirements for the degree of Master of Science (Information Technology)  
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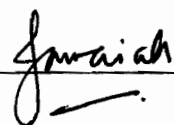
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## **ABSTRACT**

This paper reports an ongoing study carried out in response to the issue of efficiency among lecturers. Every year, lecturers produce academic information as part of their excellence indicator. Information about the documentations is required a few times before every year end, such as for performance evaluation and directory of expert update. Currently, lecturers abandon the records of their academic information and documentations. However, results from a preliminary study show that they would prefer to record each of academic information timely so that gathering them will be easy. Accordingly, this study proposed a prototype system called Web-based Academic Management System (WAMS) to be designed and developed and measured how useful it is in solving the identified problem. Qualitative techniques such as interview and observation have been used for gathering data on the requirement.

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## LIST OF ABBREVIATION

CAS	College of Arts and Sciences
CNET	Computer Network
CM	Content Management
CMS	Content Management System
CV	Curriculum Vitae
DBKL	Dewan Bandaraya Kuala Lumpur
<i>et al.</i>	Et Alii/Alia (Latin: And Others)
<i>etc</i>	etcetera
HTML	Hyper Text Markup Language
IT	Information Technology
JPJ	Jabatan Pengangkutan Jalan
JSP	Java Server Page
MyEG	Malaysian e-Government
PHP	Hypertext Preprocessor
PDRM	Polis Di Raja Malaysia
RIMC	Research Innovation Management Centre
TNB	Tenaga Nasional Berhad
TM	Telekom Malaysia Berhad
UAT	User Acceptance Test
UM	Universiti Malaya
UUM	Universiti Utara Malaysia
UNIX	UNiplexed Information and Computing System

VB	Visual Basic
WAMS	Web-Based Academic Management System
WCM	Web Content Management
WCMS	Web Content Management System
WYSIWYG	What You See Is What You Get
XML	Extensible Markup Language
.NET	NETwork

# **CHAPTER 1**

## **INTRODUCTION**

Chapter 1 discuss the background of the study that is related with the academic world. The problem statement, research objectives, research question and scope of the study has been discussed. In addition, the significance of the study is also mentioned in this chapter apart from organization of the report.

### **1.1 Background Of Study**

In the context of world without borders the academic is the key strategy to determine success of vision 2020. The development or enhancement of lecturer's skills and knowledge is the main efforts towards successful academic (Chicago State University, 2006).

Lecturer's task in the university was one of very challenging profession which has made them bared to various task and responsibility. They are not only liaise with academic affair department and student educational matters but they have to carry out co-curriculum activities such as research project activity, project presentation, thesis, seminars, and service to the community society (Iskandar, 2009). In other contexts, lecturers' roles are very important to deliver teaching, research and scholarship, administration and governance, and supervision (University of Western Sydney, 2008). With this massive task and challenges, lecturers need to document and record all their information and activities for the future references when needed.

The contents of  
the thesis is for  
internal user  
only

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