

**UNIVERSITI TEKNOLOGI MARA**

**THE DEVELOPMENT OF CMS PROTOTYPE FOR  
FACULTY OF EDUCATION, INTERNATIONAL  
ISLAMIC UNIVERSITY COLLEGE SELANGOR  
(KUIS) USING SPIRAL APPROACH**

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## **ABSTRACT**

This study covered on development, implementation and evaluation of content management system (CMS) prototype for used of Faculty of Education, Kolej Universiti Islam Antarabangsa Selangor (KUIS). This research aimed to observe and investigate existing issues and problems on current CMS used at Faculty of Education, Kolej Universiti Islam Antarabangsa Selangor (KUIS). Six participants volunteer to participate in this project and covered three major groups that later going to use the system which is lecturers, staffs and students from Faculty of Education. This research also tried to tackle issues among users on the current system and developed a prototype CMS (e-praktikum) to solve the problems. Researcher also tried to use Spiral Approach in this project to make sure users are involving along with the development of the prototype. Participations from users are very important to researcher, so their involvement from the beginning of the project was very crucial. Using user requirements helped researcher to develop a complete prototype CMS (e-praktikum) that meet user needs. The prototype CMS (e-praktikum) will be useful for Faculty of Education in manages their information and data on practicum student. The prototype CMS (e-praktikum) hopefully will help user especially content editor at Faculty of Education to use CMS in effective way.

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# CHAPTER ONE

## INTRODUCTION

### 1.1 Introduction

Nowadays rapid development and changes in information technology (IT) affect our routine in daily life. In education field, the needs to re-shape traditional method of teaching into information innovation were very crucial. The capabilities of traditional method of teaching currently do not meet with today's demand. Transformations from traditional system to technological environment become more efficiently in education as a solution for today's knowledge delivery efficiency problems. Using Content Management System (CMS) as a solution is one of the world's suggestions have today (Altun, A., Gulbahar, Y., and Madran, O., 2008). CMS is a software system developed for organizing any content and document in effective way. A CMS developed as a web application for easily manage web site content even for non-technical users. Out there, there a hundreds research had been conducted to improve CMS usability. In this project, the researcher aim is to investigate issues on existing CMS applied at Faculty of Education, Kolej Universiti Islam Antarabangsa Selangor (KUIS). Other than that, researcher also tried to see the user requirements of CMS that can be implemented later in the prototype system. This project is very important for Faculty of Education in order to help them manage data on practicum students in final semester. At the end of this project, researcher tried to design a prototype of CMS (e-praktikum) based on user requirements to tackle all the issues faced by users at Faculty of Education before.