EVALUATION OF LEARNING MANAGEMENT SYSTEM –
CURRICULUM INFORMATION DOCUMENT ON-LINE SYSTEM (CIDOS)
APPLICATION IN POLYTECHNICS

A project submitted to Dean of Awang Had Salleh Graduate School of Arts
and Sciences in partial
Fulfillment of requirement for the degree
Master of Science (Information Technology)
Universiti Utara Malaysia

By
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ABSTRAK (BAHASA MELAYU)

Terdapat peningkatan dalam penggunaan web portal sebagai cara untuk berinteraksi dengan pelajar. Institusi pengajian tinggi telah mula membangunkan laman web portal untuk kegunaan pelajar. Hampir setiap institusi mempunyai Learning Management System (LMS) sendiri untuk kegunaan pelajar mereka. LMS yang berjaya bukan sahaja perlu berfungsi dengan baik tetapi juga memerlukan antara muka pengguna yang mudah dan senang difahami.

Antara muka pengguna bertindak sebagai medium untuk membolehkan pengguna berinteraksi dengan sistem. Reka bentuk antara muka pengguna yang sesuai diperlukan untuk membuat pengguna merasa selesa semasa menggunakan LMS.

Tujuan kajian ini adalah untuk menilai aplikasi Curriculum Information Document On-Line System (CIDOS) di Politeknik berdasarkan empat faktor utama, (1) Teknologi dan Sistem, (2) Aplikasi Interaktif, (3) Ciri-ciri Pensyarah, dan (4) Tingkah Laku dan Sikap Pelajar terhadap aplikasi CIDOS.

Min bagi keempat-empat faktor yang dinilai adalah 4.90. Ini menunjukkan bahawa responden bersetuju bahawa aplikasi CIDOS adalah efektif, efisien dan memuaskan hati pengguna. Kesimpulannya, CIDOS mencapai matlamat untuk menyediakan satu sistem yang berkesan dan cekap bagi proses pengajaran dan pembelajaran di politeknik.
ABSTRACT (ENGLISH)

There has been increasing usage of web portal as a way to connect with students. Institutions of higher education have started developing web portal for student’s use. Almost every institution had its own Learning Management System (LMS) for their students. The successful of LMS is not only in having great functions of the system, but it also need to be well designed and has usable user interface.

User interface acts like a medium when user interacts with the system. A good design of user interface is required to make user feel comfortable and enjoyable while using the LMS. Ease of use makes the portal a place user wants to go.

The purpose of this research is to evaluate Curriculum Information Document On-Line System (CIDOS) LMS in Polytechnics based on four main factors, (1) Technology and System, (2) Interactive Application, (3) Lecturer’ Characteristic, and (4) Students’ Behavior and Attitude towards CIDOS application.

The mean for four factors are 4.90. This shows that the respondents agree that CIDOS application are effective, efficiency and they are satisfied in using it. As a conclusion, CIDOS is achieving objective of the development that aim to provide an effective and efficient system teaching and learning process in polytechnics.
ACKNOWLEDGMENT

By the name of Allah, the Most Compassionate Most Merciful.

I would like to express my gratitude to Allah for providing me the blessing to complete this research. Hence, I deeply gratefulness to my supportive and helpful supervisor, Dr. Mohd Syazwan bin Abdullah for assisting and guiding me in the completion of this research.

I would also like to own the favor to thank my beloved parents and family. My parents, Zahari Abdullah and Zainab Md. Nor who never stop giving me supports, love and prayers, and always been there for me.

My warm thanks also goes to the staffs and students of Politeknik Tuanku Syed Sirajuddin (PTSS), Politeknik Sultan Abdul Halim Muadzam Shah (POLIMAS) and Politeknik Seberang Perai (PSP) for their help and contributions to many moments of insight, inspiration and support throughout my project. I thank my friends Afifa Hanim Binti Mohamad, Yuslina Binti Salleh and Nurul Fathihin Binti Mohd Nor Shah for their support and cooperation. I would like also thank all individuals who are involved in accomplishing this research project.
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<th>Full Form</th>
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<tr>
<td>BPPK</td>
<td>Bahagian Pembangunan dan Penilaian Kurikulum</td>
</tr>
<tr>
<td>CIDOS</td>
<td>Curriculum Information Document On-Line System</td>
</tr>
<tr>
<td>HCI</td>
<td>Human Computer Interaction</td>
</tr>
<tr>
<td>IP</td>
<td>Internet Protocol</td>
</tr>
<tr>
<td>IS</td>
<td>Information System</td>
</tr>
<tr>
<td>ISO</td>
<td>International Standard Organization</td>
</tr>
<tr>
<td>IT</td>
<td>Information Technology</td>
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<td>JPPKK</td>
<td>Jabatan Pembangunan Politeknik dan Kolej Komuniti</td>
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<td>JKM</td>
<td>Department of Mechanical Engineering</td>
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<tr>
<td>JRKV</td>
<td>Department of Design &amp; Visual Communication</td>
</tr>
<tr>
<td>LMS</td>
<td>Learning Management System</td>
</tr>
<tr>
<td>MOHE</td>
<td>Ministry of Higher Education</td>
</tr>
<tr>
<td>POLIMAS</td>
<td>Politeknik Sultan Abdul Halim Muadzam Shah</td>
</tr>
<tr>
<td>PSP</td>
<td>Politeknik Seberang Perai</td>
</tr>
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<td>PTSS</td>
<td>Politeknik Tuanku Syed Sirajuddin</td>
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<td>SPM</td>
<td>Sijil Pelajaran Malaysia</td>
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<td>SPSS</td>
<td>Statistical Package for the Social Sciences</td>
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<td>UEMs</td>
<td>Usability Evaluation Methods</td>
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<td>WWW</td>
<td>World Wide Web</td>
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CHAPTER ONE

INTRODUCTION

The World Wide Web (WWW) continues to grow and the need for discussion on the usability aspects becomes important. So far, in relation to the number of website on Learning Management System (LMS) portal, the usability aspects more or less have been left out. Usability is a key concept in Human Computer Interaction (HCI). It is concerned with making systems easy to learn, easy to use and safe to operate.

The purpose of educational software is to support learning. Clearly, the software should take into account the way students learn and also provide good usability so that student’s interactions with the software are as natural and intuitive as possible. In this sense there should be a synergy between the learning process and a student’s interaction with the software. Usability features should not only allow people to efficiently manipulated the interactive software, but should also be appropriate for the intended learning task. When this synergy occurs, the use of the software can be thought of as “integrated”, in that a seamless link develops between the use of the software and the learning process.
The contents of the thesis is for internal user only
REFERENCES


