

**MEASURING USABILITY OF PODCAST AS AN ALTERNATIVE
FORM IN EDUCATION: A CASE STUDY IN PROGRAMMING
SUBJECT**

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**UNIVERSITI UTARA MALAYSIA
2008**

**MEASURING USABILITY OF PODCAST AS AN ALTERNATIVE
FORM IN EDUCATION: A CASE STUDY IN PROGRAMMING
SUBJECT**

A thesis submitted to the College of Arts and Science
in partial fulfillment of the requirements for the degree
Master of Science Information Technology
Universiti Utara Malaysia.

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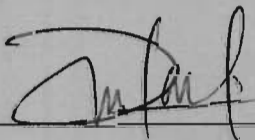
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ABSTRACT

This research is to measure the usability of Podcast in educational field especially for student of Universiti Utara Malaysia respectively and their acceptance upon the technology. The dimension being measure are perceived of usefulness, learnability, flexibility, attitude and behavioral intention within the Podcast usage. The data being collected using a questionnaire form and the sample are focusing on 150 Bachelors Degree students in College of Arts and Sciences which taking programming subject (TIA1023). The result has stated that almost half of the sample satisfied and happy by using Podcast as an additional and alternative material form in their learning process.

ABSTRAK

Kajian ini adalah mengukur sejauh mana kebolegunaan Podcast digunakan didalam bidang akademik khususnya di Universiti Utara Malaysia dan penerimaan pelajar terhadap teknologi tersebut. Dimensi-dimensi kebolegunaan yang telah diukur adalah seperti tahap kebergunaan, tahap kefahaman penggunaan, fleksibiliti, sikap, Kelakuan dan pandangan semasa menggunakan Podcast. Data telah dikumpul melalui borang soalselidik yang telah disediakan. Responden yang mengambil bahagian untuk kajian kes ini adalah terdiri daripada 150 orang pelajar Sarjana Muda dari Kolej Sastera dan Sains yang mengambil subjek pengaturcaraan (TIA1023). Hasil responden daripada boring soal selidik telah menyatakan bahawa hampir separuh telah menyatakan bahawa mereka berpuas hati dan gembira menggunakan Podcast sebagai alternatif baru dan medium tambahan dalam proses pembelajaran mereka.

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LIST OF ABBREVIATIONS

RSS	– Really Simple Syndication
XML	– Extensible Markup Language
DVR	– Digital Video Recorder
U.S.	– United States
UUM	– Universiti Utara Malaysia
SPSS	– Statistical Package for the Social Sciences

CHAPTER 1

INTRODUCTION

1.1 Introduction

Podcast is a world wide web-based form of broadcasting which allow user to have a computer or digital media devices to download and listen to the content. The word Podcast come from the name of the Apple Inc. most popular mp3 player which is “iPod” and combine with the word “broadcast” which in general the Podcast itself will be a “radio”, but more to keep the files in a mp3 alike format to ensure the files can be downloaded into user computer. After the content being downloaded, the files can be listening through user media devices such as iPod and other mp3 capable players.

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