UNIVERSITI TEKNOLOGI MARA

ARCHIVAL PROCESS MODELING FOR ARKIB UiTM BY
ADOPTING OPEN ARCHIVE INFORMATION SYSTEM
REFERENCE MODEL

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ABSTRACT

A framework for archival system is important for the understanding and increasing awareness of archival concepts, which is needed for long term digital information preservation and access. The aim for this research project is to propose archival process model for Arkib UiTM by adopting Open Archive Information System (OAIS) Reference Model. Currently Arkib UiTM is not using any archiving model to managing their archiving process. The objectives of this project are to describe Functional Model of Open Archive Information System (OAIS), to map requirements on OAIS functional entities for archival process modeling, and to validate requirement through prototyping. The methods that used in this project are problem identification and planning, requirement gathering, analysis, and design. The finding result shows the validated prototype which include the mapped requirements with adopted the OAIS Functional Model for Arkib UiTM's archival process model. With the design of archival process modeling, it will help to understand the entities involve and overall workflow of archival process for Arkib UiTM especially in preserves digital information and access.

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CHAPTER ONE
RESEARCH OVERVIEW

1.0   Introduction

This chapter explains about the definition of the research which includes the research background, problem statement, aim, objective and significance of research. The research definition is elaborated because a definition shall give a brief description on the whole idea of the research.

1.1   Research Background

An archive modeling is important in develop into system to manage the archive. The 'archive' term has been used to refer to a wide variety of storage and preservation functions and systems. The archives are known as facilities or organizations which preserve records, originally generated by or for a government organization, institution, or corporation, for access by public or private communities. The archive accomplishes the task by taking ownership of the records, ensuring that they are understandable to the accessing community, and managing them so as to preserve their information content and authenticity. The major focus for preserving this information has been to ensure that they are on media with long-term stability and that access to this media is carefully controlled (CCSDS, 2002).

The growth of information in digital forms has caused a severe challenge for traditional archives and their information providers, and also for other organizations. Digital information is easily lost or corrupted, so, these organizations need to take on the information preservation functions typically