

Data Management

Issues, Challenges and Opportunities

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2. DATA MANAGEMENT ISSUES: A CASE STUDY OF IIUM DIGITAL LIBRARY

Alfi Khairiansyah Machfud, Jawdat Ahmad Khatib, Khodashev Aslanbeck
and Mira Kartiwi

ABSTRACT

This report discusses and analyzes data management issues occur in IIUM Digital Library. The issues explored ranged from data and metadata quality, search engine, organizational and system perspectives. Studying these matters is important, as the digital library is a source of reference for students and researchers in IIUM. A single error that occurs can restrain access to valuable information. Several recommendations are proposed to help solve the issues.

2.1 INTRODUCTION

For the past few years, IIUM Library have serve thousands of students and researchers in their study. One of the most important parts of IIUM Library is the Digital Library section. It serves as a source of knowledge and resources of reference. The project puts a spotlight on issues regarding digital library service in the main IIUM Library. By assessing the digital library website, we found several important issues related mostly to data and metadata quality. The practices related to digital library activities currently include digitizing, which is the process of transferring data from physical carriers of information into electronic ones. The second practices are related to storing, organizing, protecting, and backing up files. Other practices are related to search queries processing, handling and processing.

In IIUM Digital Library, the main issues can be summarized into four categories: issues related to data and metadata quality, issues regarding the search engine functionalities, issues concerning organization, and issues