

# CASES IN KNOWLEDGE MANAGEMENT & INFORMATION RETRIEVAL

Editors

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IIUM Press  
INTERNATIONAL ISLAMIC UNIVERSITY MALAYSIA

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# TABLE OF CONTENTS

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Dedication	i
Preface	v
Acknowledgement	vii
Introduction	ix

## *Part I: Cases in Knowledge Management*

<b>Case 1: Knowledge Management Best Practices</b>	1
Noor Azura Zakaria, Rohaimi Abdullah and Mohamad Fauzan Noordin	
<b>Case 2: Organizational Learning</b>	7
Noor Azura Zakaria and Mohamad Fauzan Noordin	
<b>Case 3: Knowledge Portal</b>	13
Noor Azura Zakaria, Mohamad Fauzan Noordin and Roslina Othman	
<b>Case 4: Culture in Community of Practices (CoPs)</b>	19
Noor Azura Zakaria, Mohamad Fauzan Noordin and Rohaimi Abdullah	
<b>Case 5: Knowledge Management Strategic Plan</b>	25
Noor Azura Zakaria, Mohamad Fauzan Noordin and Roslina Othman	
<b>Case 6: Critical Knowledge Sharing</b>	31
Noor Azura Zakaria, Hafizah Reh and Mohamad Fauzan Noordin	
<b>Case 7: Knowledgeable Employees</b>	37
Noor Azura Zakaria, Mohamad Fauzan Noordin and Lambensa Fateema	
<b>Case 8: Lesson Learned</b>	43
Noor Azura Zakaria, Roslina Othman and Mohamad Fauzan Noordin	
<b>Case 9: Extrinsic and Intrinsic Motivations</b>	49
Noor Azura Zakaria and Mohamad Fauzan Noordin	

<b>Case 10: Storytelling</b>	55
Noor Azura Zakaria, Roslina Othman and Mohamad Fauzan Noordin	
<b><i>Part II: Cases in Information Retrieval</i></b>	
<b>Case 11: Social Network</b>	61
Roslina Othman	
<b>Case 12: Micro Blogs</b>	67
Roslina Othman and Noor Azura Zakaria	
<b>Case 13: Content Communities</b>	73
Roslina Othman	
<b>Case 14: Digital Library</b>	79
Roslina Othman and Nur Leyni Nilam Putri Junurham	
<b>Case 15: Search Engine</b>	85
Roslina Othman and Mohamad Fauzan Noordin	
<b>Case 16: Search Engine Optimization</b>	91
Roslina Othman	
<b>Case 17: Patent Search</b>	97
Roslina Othman and Noorfatin Muhamad Sharhabil	
<b>Case 18: Visual Search</b>	103
Roslina Othman and Mohd Khairul Nizam Abdul Latif	
<b>Case 19: Quranic Search</b>	109
Roslina Othman and Mohamad Fauzan Noordin	
<b>Case 20: Wisdom-based Search System</b>	115
Roslina Othman	

# CASE 20: WISDOM-BASED SEARCH SYSTEM

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## Abstract

Wisdom-based search system should begin with a database consisting of collections that are authentic and authorized by prominent scholars. Some examples of wisdom-based collections other than *al-Quran* and *Hadith*, include *Doa* and *Zikr* and scholarly works on Sufism or the spiritual dimension of human knowledge. The indexing and retrieval should be done on queries and ontology beyond the ordinary keywords. Inferences should be part of the system indexing and retrieving of relevant texts. Relevance judgment scores should reflect the wisdom scales.

## 20.1 *Doa* and *Zikr* Search System

*Zikr* and *Doa al-Ma'thur* are inherited as remembrance of Allah SWT; however, their collections are dispersed under many headings. *Zikr* and *Doa al-Ma'thur* are also practiced by Muslim even though their use is mostly related to spiritual enhancement, while their potential applications are also observed among students and school counselors.

The objectives were to construct the test collection of *Zikr* and *Doa al-Ma'thur*; build an index of *Zikr* and *Doa al-Ma'thur* collection with 50% targeted precision; construct the Load of Judgment Score based on ontology for the collection of *Zikr* and *Doa al-Ma'thur*; and evaluate its retrieval performance. The collection were constructed from al-Quran and Hadith as listed in authentic books, and indexed in Lemur with a target of 50% precision. Queries are constructed from the problems faced by secondary school students and classical problems.

At this preliminary stage, findings revealed that the precision-based indexing of the collections requires a wider range of relevance judgment