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A thesis submitted to the Graduate School in partial Fulfillments of the requirement for the degree Master of Science (Information Technology) Universiti Utara Malaysia

By
Farihan Elyana Binti Zahari
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ABSTRACT (BM)

ABSTRACT (ENGLISH)

Knowledge is related to data and information that already modified. Knowledge management can be shared and interlinked. For broader scope, it can be used to structure the ontology. The use of ontology on knowledge helps users to understand the structure easier. The important matter in ontology is represented by showing the relation among classes in domain. When the relation is already identified, then the structure of ontology for the Al-Quran can be modeled. Protégé is used to model the structure of ontology. Then, the pray visualization form will be produced. This structure of ontology will assists in sharing knowledge.
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<table>
<thead>
<tr>
<th>CODE</th>
<th>Conceptually Oriented Design Environment</th>
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<tbody>
<tr>
<td>JDK</td>
<td>Java Development Kit</td>
</tr>
<tr>
<td>API</td>
<td>Application Programming Interface</td>
</tr>
<tr>
<td>DOGMA</td>
<td>Developing Ontology-Grounded Methods and Applications</td>
</tr>
<tr>
<td>RAD</td>
<td>Rapid Application Development</td>
</tr>
<tr>
<td>UML</td>
<td>Unified Modeling Language</td>
</tr>
<tr>
<td>GUI</td>
<td>Graphic User Interface</td>
</tr>
</tbody>
</table>
CHAPTER 1

INTRODUCTION

1.1 Introduction

The shape of the earth and how it evolves is often discussed in science. Nevertheless, it had been mentioned in the Al-Quran for a long time. The Al-Quran provides clear explanation about human and natural. Due to this, the Al-Quran has very essential knowledge to be shared by all human. As Khan (2005) said in “What Is Al-Quran”, that the Al-Quran is the Holy Scripture of the Muslims and was revealed precisely by Allah to the Prophet Muhammad through Jibreel. It provides the basic codes of conduct in all spheres of life. Ontology is the way to share knowledge in the Al-Quran. The Al-Quran in the form of conceptual model helps us to find suitable verse related to our problems. Model conceptual is used to map text representation onto ontology concept. Relationships among the verse in every *sura* are defined. As an example, a woman prays will define verse of *sura* according to justification about women. The *suras* and the verses are arranged in the Al-Quran in the manner indicated by
The contents of the thesis is for internal user only
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