

# Information Retrieval

## Design and Sources

Roslina Othman



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# INFORMATION RETRIEVAL: DESIGN AND SOURCES

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**Editor**

Roslina Othman



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## 18. PROCEDURES FOR EVALUATING *QURANIC* TEXTS IN MULTI-SCRIPT ENVIRONMENT

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Roslina Othman and Fauziah Abdul Wahid

### ABSTRACT

This chapter discussed the procedures carried out to evaluate the *Quranic* texts in multi-script environment. This chapter also explore the issues that affect the conduct of the procedure; such as the relevance judgment process, corpus construction and the recall estimation. The test was done as a semi-operational type: indexing of real corpus in Indri system, real queries developed from FAQs, proxy searches and relevance judgment, some degree of control, and performance measures (recall, precision and overlap). Corpus came from the Pimpinan ar-Rahman in Malay Jawi appended with the transliteration of Malay Rumi and Malay Rumi appended with the transliteration of Malay Jawi. FAQs were taken from *Berita Harian* for Malay Rumi and from *Utusan Melayu* for Malay Jawi. Searches were done by the researcher while the relevance judgments were done by a panel of experts based on the FAQs and responses given in the two newspapers. Variations of recall were computed to see if relevant items were missed due to the different versions of translation and different scripts. Comparisons between results were also made.

### 18.1 Introduction

The procedures given in this chapter aim to answer these objectives:

1. To evaluate the retrieval effectiveness of Quranic texts translated in *Pimpinan Ar-Rahman* through *Jawi* Malay in Indri search engine,
2. To evaluate the retrieval effectiveness of Quranic texts translated in *Pimpinan Ar-Rahman* through *Rumi* Malay in Indri search engine,