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FOREWORD

By the grace of Allah, it is a great pleasure to introduce this issue of: **The International Journal on Islamic Applications in Computer Science and Technology**

The success and the welcome of this Journal by researchers from many countries, gave us great encouragement for continuing issuing in the due time.

This Journal is aimed at publishing original research papers in the field of Islamic Applications in computer science and technology. This field is catching a momentum in the recent years. As a Journal interested in this field, it is the first International Journal of its specific field. As research is growing in this field, we hope that this Journal will be a platform for researchers working in the field to publish their research.

This issue contains three papers. The first one is entitled: **Evaluation of Arabic Named Entity Recognition Models on Sahih Al-Bukhari Text**

In this paper, the following four Arabic named entity recognition (ANER) models were applied to the Sahih Al-Bukhari (صحيح البخاري) dataset: CAMELBERT-CA Hatmimoha, Marefa-NER, and Stanza. This study's main aim is to identify the best-performing model for use with other Hadith datasets. The Stanza and Marefa-NER models are best because they obtained F1-scores of 0.826191 and 0.807396, respectively. Then, a new test dataset of approximately 5,000 words was created based on the CANERCorpus annotation. The four models were evaluated using the latest test dataset and had disappointing F1-scores, although Hatmimoha had the best results. This problem likely arose as a result of the small dataset. However, we observed that since the model has many named entity classes and matches the CANERCorpus labels, it could obtain a high performance, as the Hatmimoha and Marefa-NER models did.

The second paper is entitled: **Islamic Question Answering Systems Survey and Evaluation Criteria**

In this paper, the Islamic question-answering systems that can answer all kinds of questions by building a questions and answers corpus were reviewed and then using the retrieval technique or pre-training model to answer the user's question. After that thirteen evaluation criteria were used, such as the search approaches and the system scope, to evaluate these systems. In conclusion it is found from this survey that there are flaws in the existing systems, such as all these systems being unavailable and can answer a limited number of questions.

The third paper is entitled: **A Survey: Datasets and Methods for Arabic Fake News Detection**

This paper surveys studies on false news detection, specifically in Arabic, including current datasets and used methods.

TABLE OF CONTENTS

Title / Authors	Page No.
Evaluation of Arabic Named Entity Recognition Models on Sahih Al-Bukhari Text Ibtisam Khalaf Alshammari, Eric Atwell, Mohammad Ammar Alsalka	1
Islamic Question Answering Systems Survey and Evaluation Criteria Sarah Alnefaie, Eric Atwell, Mohammad Ammar Alsalka	9
A Survey: Datasets and Methods for Arabic Fake News Detection Saud Althabiti, Mohammad Ammar Alsalka, Eric Atwell	19