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DOI

10.21123/bsj.2021.18.2(Suppl.).0856

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Baghdad Science Journal • Open Access • Volume 18, Pages 856 - 870 • 1 June 2021

Ontological methodologies for counselling intervention : Do'a and Zikr Al -Mā'thur corpus

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Abstract

Do'a and Zikr al -Mā'thur (authentic supplications and remembrance of ALLAH 'Azza wa Jalla) can be suggested to Muslims to help them deal with challenges or issues in life. Counselling cases affect a person's feelings. Do'a and Zikr al -Mā'thur are often applied as a counselling intervention . Unfortunately, the authentic Do'a and Zikr al -Mā'thur are dispersed in many resources not visible to users, and the fact that not all online resources offer access to accurate Do'a and Zikr al -Mā'thur to users and the dubious Do'a and Zikr al -Mā'thur frequently credited to the Prophet (pbuh). The goal of this research is to develop an ontology for the purpose of providing credible results to counselling cases in need of relevant Do'a and Zikr Al -Ma'thur. This research focused on presenting how an ontology could support to provide accurate information to cases supervised by high school counsellors. This research developed the ontology for Do'a and Zikr al -Mā'thur for counselling in Protégé. The methodology implemented in the ontology development included the models designed by Fernandez-Lopez et al ., Thunkijjanukij, Gomez-Perez et al ., and Kreider. The ontology was verified, validated, and evaluated by two subject domain experts. Most concepts were rated as 'Compliant' and some as 'Partially Compliant'. Queries in SPARQL produced answers to the competency questions. Feedbacks from the user assessment proved that the executed results from the Do'a and Zikr al -Mā'thur ontology for counselling succeeded in fulfilling the users' requirement. It is recommended that the sustainability of the ontology should be secured through constant submission of real cases by counsellors and people with similar roles for query analysis and results. Credible scholars should provide direction to trustworthy sources. Such essential input is valuable for content management and contributes towards very few domain ontologies that deliver support to professional works. It also provides the step-by-step procedures to ontology construction and assessment for Islamic collection for counselling intervention . © 2021 University of Baghdad. All rights reserved.

Author keywords

Islamic knowledge; Knowledge representation; Ontology; Ontology development; Ontology evaluation; Semantic technology


Topic name

Hadith; Quran; Named Entity Recognition

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The authors would like to acknowledge that this project was partially supported under PRGS12-007-007 from the Ministry of Higher Education. The authors would also like to gratefully thank all the participants of this study for their help and cooperation.

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