

4. Results and Conclusion

To evaluate our system we have collect a database for the experimental retrieval system consists of the Quran collection which contains the Hizb 59 and 60. We have started the original word with the extracted output of the AM_Stemmer. We have done the mark one (1) for the correct extracted word and zero (0) elsewhere Table 2.

Table IV: evaluation results

occurrences	output	words	mark
1	نبأ	النبأ	1
1	عظيم	العظيم	1
17	الذي	الذي	1
10	هم	هم	1
1	في	فيه	1
1	مختلف	مختلفون	1

We obtain 88 % as correct extraction. This result push us to evaluate this system for future work.

5. References

- [1] Khoja, Shereen (2001), Stemming Arabic Text. <http://zeus.cs.pacificu.edu/shereen/research.htm> Larkey
- [2] Larkey, L. Ballesteros, and M. Connell (2002). Improving Stemming for Arabic Information Retrieval: Light Stemming and Co-occurrence Analysis. SIGIR. pp. 275-282.
<https://doi.org/10.1145/564376.564425>
- [3] Darwish, K. Building a Shallow Morphological Analyzer in One Day. ACL Workshop on Computational Approaches to Semitic Languages.
<https://doi.org/10.3115/1118637.1118643>
- [4] Chen, A., Gey, (2002). Building an Arabic Stemmer for Information Retrieval. TREC-2002
- [5] Syed A. Barakat(1985)., Introduction to Qur'anic Script, Curzon Press, London.
- [6] Lazrek A (2002), Vers un système de traitement du document scientifique arabe. Thèse de Doctorat, Université Cadi Ayyad Marrakech Maroc.
- [7] Mohamed haCm al-XTaT (1986)., Les règles de la calligraphie arabe, Ensemble calligraphique des styles d'écritures arabes, Univers des livres, Beyrouth, Liban.
- [8] Kiraz G. A. (1996). Analysis of the Arabic Broken Plural and Diminutive, In Proceedings of the 5th International Conference and Exhibition on Multi-Lingual Computing (ICEMCO96), Cambridge, UK
- [9] S. Baloul, M. Alissali, M. Baudry (2002), P. Boula de Mareüil : Interface syntaxe-prosodie dans un système de synthèse de la parole à partir du texte en arabe, 24es Journées d'Étude sur la Parole, Nancy, pp.329-332.
- [10] Ghazali .S (1981), La coarticulation de l'emphase en arabe. Dans Etudes de linguistique arabe, Arabica Journal, Paris, France, Vol. 28, n° 2-3, pp. 251-277.
<https://doi.org/10.1163/157005881x00258>
- [11] Al-Sughaiyer, I. and Al-Kharashi (2004), I. "Arabic Morphological Analysis Techniques: A Comprehensive Survey". Journal of the American Society for Information Science and Technology. Vol 55. Issue 3. pp. 189 – 213, 2004.
<https://doi.org/10.1002/asi.10368>
- [12] Beesley. K (1998). Arabic Morphological Analysis on the Internet. In the proceedings of the 6th International Conference and Exhibition on Multilingual Computing, Cambridge.
- [13] Khoja. S (1999). Stemming Arabic Text. Computing Department, Lancaster University. Lancaster, U.K.