

A complexity of Swahili Pairwise of Verbal Extensions: Algorithmic Approach

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ABSTRACT

The aim of this paper is to describe morphological algorithm against semantic architecture of Swahili morph pairwise of verbal extensions. Kiswahili has been well documented morphologically, (Kihole, 2004; Massamba, 2010; Lothi, 2002; Khamis, 2008) though there are some semantic point of view are not well described and the theory for handling them. E.g some verbal morphs are silent semantically though morphologically exhibit, for example the derived verb wa-**sh-i-k-a** ‘burnable’ is difficult to explain the sense and the creators, such behavior need to be described at length and the way of handling them theoretically. The technique for data collection was documentary reviews of which literatures were reviewed to see how such derivations have been generalized semantically against algorithm architecture then depicting the generalized data for more algorithm analysis. It was found that, a step by stem derivations may make us understand the silent semantics of verbal morphs and their implicit senses other than generalizing them and make readers/speakers understanding partially Swahili verbal morphs and their semantic scopes.

Keywords: Swahili, Verbal Extensions, Pairwise, Algorithm, Semantic, Architecture