

ABSTRACT

This paper presents a text simplification approach for Indonesian text by incorporating lexical and syntactic features that aims to improve documents accessibility for children. We employed the similar words information from word-embeddings model in lexical simplification and manually defined rules in syntactic simplification. We conducted the evaluation by presenting the simplified texts and several questions regarding text simplicity, fluency, and adequacy in form of a questionnaire to 137 fourth to sixth grade elementary students. The evaluation results show that our system is able to reduce the lexical and syntactic complexity, based on the simplicity and adequacy parameters, while we need to study the fluency parameter further.

Keywords : Text Simplification, Word Sense Disambiguation, Lexical Simplification, Syntactic Simplification, *Word Embeddings*, Rule-based Reasoning