IMPLEMENTATION OF DEEP PARSING ALGORITHM AND MINIMAL CORRECTION ALGORITHM FOR INDONESIA GRAMMAR CHECKING APPLICATION

ABSTRACT

Errors in Indonesian language writings are frequently found and resulted of some misunderstandings in interpreting the sentence. Grammar checker application was used to cope with errors and other violations of using grammar in Indonesian writings. The grammar checker application was constructed by implementing deep parsing algorithm in order to identify the source of error as a basis for correction and changing the sentence. Minimal correction algorithm was also implemented for optimisation of the process of deep parsing algorithm to get more efficiently using of computer resource and time process of the deep parsing algorithm. This application will be run by Windows platform. The grammar checker application has worked well in most cases, but some weakness found in few cases which needs further study.

Keywords: Deep parsing algorithms, Grammar checker, Indonesian language, Minimal correction algorithm, Windows