Abstract

In natural language processing, one of understanding technique of sentence that is semantic interpretation. semantic interpretation is determination of meaning of word, frase and sentence, and way of how intention or mean submitted in natural language.

One of natural language is Indonesia linguistic. Understanding of Indonesian sentence can be shown in questin answering form. At this research will be built a Indonesian sentence question and answer system. The system beforehand will do understanding to one or more declarative sentence applied as information source. Hereinafter, user will submit question to test has understanding of sentence been done truly.

Two main processes in this research that is, semantic interpretation of declarative sentence and semantic of interrogative sentence. One of approach for semantic interpretation is case grammar. semantic interpretation of declarative sentence is done by presenting semantical role every word into case grammar. semantic interpretation of interrogative sentence semantics is done by building question pattern based on type answer, case grammar, and Indonesian interrogative sentence rule.

Software yielded can answer question from user, causing is concluded case grammar can solve problem semantics of Indonesian sentence computerizedly.

Keywords: natural language preocessing, semantik interpretation, question answering system, case grammar.