

ABSTRACT

Natural Language Processing is computer ability to process language, written and oral which was used by human in daily conversation. For computation process, language must be presented as symbolic line which follows certain rule. This English text translation into Indonesian text uses Rule Based method because it was done bilingually with different grammar. This English text translator to Indonesian is able to translate the sentences in Indonesian standard sentences that is close to its original meaning, so that it could help the English learning process to be easier.

The general pattern of Explaining-Explained which was found in English language could be translated into Explained-Explaining which follows Indonesian general grammar. The use of Rule Based method with parsing tree based and production rule in English text translator to Indonesian is able to handle the different grammar rule from both languages, so that it produces the suitable translation.

In this final project done examination to comprehend and know effectiveness various translation orders MD-DM and Translasi word meaning of a machine translator based on order if it is applied to translate sentences from English to Indonesian. Examination is done by the way of testing sentence input in English which is then assessed its quality does it come near meaning or no.

Result of examination shows that method Rule Based, with translation order MD-DM and Translasi Word meaning of giving average of best performance.

Keywords: *natural language processing, translation, rule based method, bilingual, English language, Indonesian language*