

Abstract

Short Message Service is a service that frequently used in handphone. From this service, predictive text entry application is developed to reduce the number of a button pressed so writing a message will be more effective. Implementation of predictive text entry in SMS service usually use unigram model. Nowadays predictive text entry has been developed by using bigram and trigram model as new solution to predict a word in a text entry.

In this final project, writer tries to compare between bigram and trigram model from memory that used, time that required to predicting the words and KSPC (Keystroke per Character) point of view. From this analyze can be conclude that from KSPC factor and time that required to predict, trigram model is better than bigram model. From memory that used to predict, it depends on data structure while predicting.

Kata kunci: *SMS, Predictive Text Entry, Unigram, Bigram, Trigram, KSPC.*