Abstract

There are many services are available in cell phone, but Short Message Service or usually called SMS is the mostly used by many people. Since these service is moving rapidly, it also need an effective new method of writing text.

Along this time, almost cell phone users do the manual method (multitap) in writing text. This is because many of them do not know about Predictive Text Entry. Beside that, these function still using English version since the Indonesian version was launch in 2006.

In this final task, writer try to implement Biagram Model in words prediction. Hopely, in writing text message, we can predict the words according to the previous words. To get the prediction words, we make training to corpus SMS, so each word has different probability. More often a word used, so the probability of prediction word become higher.

The effectiveness analysis of this method is calculated from KSPC (Keystroker per Character) results which is calculated from testing data. If this method produces KSPC result which is smaller than manual method (multi-tap), so can be concluded that this method more effective.

Key words: *SMS, Predictive Text Entry, Bigram, KSPC, Word Prediction*