

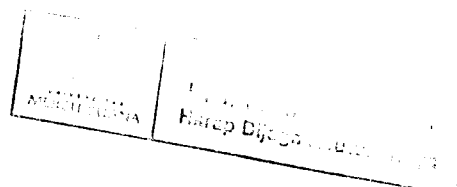
ABSTRAK

Pengontrolan penggunaan memori dan prosesor pada suatu sistem komputer memiliki peranan penting dalam pengoptimalan pemakaian memori komputer dan proses-proses sistem komputer, agar penggunaan memori lebih efisien.

Metodelogi yang digunakan adalah waterfall dan menggunakan pendekatan Unified Modelling Language (UML), seperti diagram Use Case, Diagram Activity, dan Diagram State. Bahasa pemrograman yang digunakan adalah VB.Net.

Hasil pengujian didapatkan bahwa aplikasi dapat mengoptimalkan memori dan proses berdasarkan besaran yang telah ditentukan hingga maksimum 30%. Diharapkan aplikasi dapat dikembangkan dengan menggunakan algoritma optimasi lain.

Kata kunci : optimasi, memori, proses .



ABSTRACT

Control of memory usage and processor in a computer system is an important part in optimizing the memory usage of computers and computer system processes. In this final project, we proposed a software to optimized the use memory and process on stand alone computer system. The aim of optimize memory and processes is to get more efficiency use of memory.

The methodology is the waterfall models and use the approach of the Unified Modeling Language (UML), such as Use Case diagrams, Activity diagrams and state diagrams. VB.Net is used as Programming Language.

The results indicates that the application can optimized memory and process up to maximum 30% of memory. And for the future work, it is expected that this application can be developed by using other optimization algorithms.

Keywords: Optimization, memory, process