

## ABSTRACT

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### **TIME EFFICIENCY IN PARALLEL PROCESSING BY EMBEDDING *SELF-MANAGING* DAN *SELF-CONFIGURING* CAPABILITY**

(xi + 28 pages: 3 figures)

Time efficiency is an important thing in do some calculation. Everytime human always try to find the way to get shorter time in do some calculation process. One way to do it is by using parallel processing. In parallel processing there are many ways to embed. All the ways have the same mean, to make the time needed by process become shorter. One way to make it is by embed self-managing and self-configuring into the system.

Embedding self-configuring in a system can make the system become autonomous computing system. By embedding it, the system can enable adaption to its environment. Everytime the environment changes, the system follow the changes to maintain time efficiency.

After embedding self-managing and self-configuring capabilities in the system, the performance of the system become better and faster. It means the system can achieves time efficiency.

Referensi : 9 (2000 - 2006)