

BINUS INTERNATIONAL
UNIVERSITAS BINA NUSANTARA

Major Computer Science
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**A COMPARISON OF PARALLEL COMPUTING
DESIGN TO BE IMPLEMENTED IN JOSEPH WIBOWO
CENTER**

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Abstract

Parallel computing is not a new term in the computing world. It usually relates to the fast supercomputer which has become trends in nowadays life. This thesis will observe the benefit of having parallel computing and further analysis of the best parallel computing methodology to be applied to the university.

The supercomputer offers high performance in adjacent with high cost. However, there is actually another alternative for having the power of supercomputer with lesser cost, called distributed computing.

The main objective of this thesis is to provide solution for the most suitable methodologies to be implemented in Joseph Wibowo Center. The comparison toward those parallel computing methodologies will be done. Some solutions will also be provided and the best one among them will be chosen.

In summary, this thesis aim is to provide several available solutions of parallel computing to be implemented in Joseph Wibowo Center, along with the analysis and discussion regarding that.

Keywords

Parallel computing, Distributed computing, Cluster Computing.