ABSTRACT

Building IT infrastructure services in a company is not an easy thing. Various concrete aspects need to be considered, such as costs, system requirements, and internet providers that need to be met before developing the system, especially in developing data storage and processing systems, to create a stable system that can be integrated according to business needs. Based on these problems, the urgency of implementing cloud computing, especially for SMEs, is increasingly in demand today.

In this research, a comparative study was made of several server virtualizations and to determine server virtualisation performance. On this occasion, an analysis and comparison of cloud computing technology will be carried out. The main result of this study is to analyze and compare the implementation of cloud computing between Proxmox and Openstack which is more efficient and can be applied to medium to low scale SMEs using the SDLC (System Development Life Cycle) method using ISO/IEC 25010: 2011 standard test.

Keyword : Cloud Computing, Proxmox, OpenStack, ISO/IEC 25010:2011 Test standard. .