**ABSTRACT** 

Cloud server is a server virtualization technology on a cloud network or

internet. This technology enables cloud to manage the server resources more

efficiently and as needed. The high increment of cloud server usage makes the need

for installation management and maintenance of cloud servers are also higher, faster,

easier and automatic. Ansbile and salt is one of the automation tools for maintenance

and installation on the cloud server.

This Final Project compared Configuration Management tools Ansible and Salt-

ssh to deploy wordpress using Ubuntu 16.04 LTS as management node and target

deployment. This research aims to analyze the performance of configuration

management tools ansible and salt-ssh in terms of deployment speed, dispersion

pattern, throughput, CPU Usage and Memory Usage.

Result of testing and analysis concluded that the pattern of data distribution or

command on ansible and salt-ssh affected the speed of deployment, the number of

packets sent, throughput, CPU usage and Memory. In speed deployment evaluation,

ansible is superior to salt-ssh. There was a difference of 57 seconds to propagate

commands to 3 nodes, 6 nodes, and 10 nodes. While the salt-ssh throughput testing

outperformed ansible with 99 KBps to 274 KBps results compared to ansible which

only got throughput of approximately 27 KBps to 46 KBps on deployment at 3 nodes,

6 nodes and 10 nodes.

**Keywords:** Cloud Server, deployment, Ansible, Salt

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