*ABSTRACT*

*ANALYSIS OF TESTING MULTI-TENANCY ON THE SOFTWARE DEFINE NETWORK WITH SLICING METHOD OF NETWORK 6-TUPLE USING THE OPENDAYLIGHT CONTROLLER*

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*The rapid development of network technology, makes it easy to monitor, in designing or maintaining a computer network. Thus the conventional network infrastructures a network devices must be configured one by one and it is not easy in penyesuaiannya. Then created a concept, namely Software Define Network (SDN) is a new technology that refers to a new concept in design, monitor and implement a computer network. SDN has special characteristics that is programmable and centralized control. This research makes a more modern network design so that the tenant has its own access rights. These permissions are applied by using the concept of network slicing 6-tuple. Tuple used is a VLAN, namely by providing access in the form of access mode of the switch to a host that is on a single tenant. The network has built a few tenant who tested performansinya to prove that applying network slicing can be done. This network is connected to a controller named opendaylight (ODL). Then to make it possible to use ODL aimed at controlling SDN. Then this method for themselves using network slicing 6-tuple. The result of the classification of yesteryear is the existence of multiple-testing analysis of tenancy on Software Defined Network with Slicing method of Network 6-Tuple using the Opendaylight Controller.*

*Keyword: Software Defined Network, Multi-tenancy, Network Slicing, OpenDayLight.*