ABSTRACT

Analysis Ad-Hoc Network
Using OLSR In Implementation
Network in Village Babakan Majalengka

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Babakan village located in Majalengka district is one of the villagers who had used the internet in particular the telecomunicatins network. However, the scope of the network only covers the village office. The village where the people who need an internet connection can easily access them in their homes free of charge. However, the constraints faced by the spread of house in the village Babakan uncertain, this will affect the implementation of the network that required an appropriate concept to be implemented in the village. By emphasizing the development coast are minimal and the most important thing is that the network has been built to cover the entire area of the village.

Babakan village requires the conctruction of nem network to expand the network so that the villagers get free internet access. Network must be constructed include the scene of the village. Required an appropriate concept for the construction of network, especially network Babakan village

By not starting dotted with problems that occur, it will try to build a wireless mesh network for the Ad-Hoc network construction in the village of Babakan. with the expectation that networking is built to cover the entire area of the village. For the management of networks is trying to use OpenNMS as a software for monitoring the condition of the nodes in the network.

Based on the result of testing a network that has been built it can be concluded that the Ad-Hoc wireless can cover the entire area of the village. And observation we can conclude that using OpenNMS. OpenNMS can monitor the condition node. OLSR with the ETX protocol between nodes can be observed. Normal inter-node ETX value is 2.00.

Keyword : Ad-Hoc, Wireless Mesh, OpenNMS, OLSR, ETX.