

## ABSTRACT

At the moment the demand growth to manage network and telecommunications service progressively expand very fast . This is have an effect on to reliability NMS in handling all request.

NMS represent sub of system of peripheral of transmission SDH used at system of transmission of GMD Transum-2 at PT. Telkom to operation and maintenance network . In fact this NMS own three elementary function that is monitoring, control and configuring.

Progressively expand it this demand generate degradation of ability NMS to serve all that request. And on the other hand, sub of system of peripheral of transmission SDH representing yield up the ghost of Alcatel have not produced again. So that be needed a solution to handle all problem which emerge.

At This final project will be analysed configuration of hardware NMS Transum-2 and its ability in handling alarm NE which category as Urgent Alarm, Major Alarm, and Minor Alarm of arising out. Approach taken is NMS model with queue of network packet. With this analysing earn yielded a device of configuraton NMS which as according to condition in field theoretically.