

## **ABSTRACT**

Following the increase of hardware number network telecommunication in PT. TELKOM, we need new software to monitor the information that sent periodically from those hardware. The current software could not fulfill most type of hardware. In that case, we need software which can imply several type of hardware in network element.

In this final project, we develop several systems which has the function to apply several protocol in Network Element so that the client application or U-INMS needs only to parse data which been sent with the format agreement . The relationship between the system developed (U-MD) with the U-INMS has been designed to be a distributed system so that it do not need to know the resource managed by UMD.

The development of the system used Java SE 5.0 and Java ORB. From the analyzing result, we conclude that the system able to push event sent from the Network Element periodically, receiving the commands from U-INMS and reply the response.

Keyword : Distributed System