

ABSTRACT

This research aims to implement the LibreNMS network monitoring system and integrate it with notifications via Telegram bot at the National Research and Innovation Agency (BRIN) Gatot Subroto Jakarta area. The research method uses NDLC with the stages of preparation, planning, design, implementation, operation, and optimization. The results showed that LibreNMS was successfully implemented and able to monitor the condition of BRIN network devices. Telegram bot integration allows real-time notification when problems or status changes occur. The monitoring results also show the normal traffic patterns of BRIN network devices. This research concludes that the integration of LibreNMS and Telegram can improve monitoring efficiency and responsiveness in handling network incidents.

Keyword: LibreNMS, Network Monitoring System, Telegram Bot, Notification