

## ABSTRAK

*Maintenance of the network is a must to improve the network in case of damage or security. Maintenance can be doing by using the log of each network device. The problem with many log entry will make the response time to be larger. This can makes network maintenance becomes slow and therefore needed a system capable of taking millions of log data in a short time.*

*The solution is using a database with a search platform integration. Solr is used as a search platform and the database is MongoDB as a NoSQL database. MongoDB is used as a database that holds data received by Rsyslog associated with Solr. So the search is not directly to the database but from Solr index.*

*Tests carried out using a combination of a large allocation of RAM allocated to Solr, the amount of data and queries used to search the data. For comparison, the test is not only done on Solr also done on MongoDB. The results of the testing show that the system created using Solr time response time is much smaller than using MongoDB only.*

**Kata kunci:**

*solr, mongodb, log, server*