

## ABSTRACT

XL JNB Bintaro is one of the NOC (Network Operation Center) owned by Indonesia telecommunication operator PT. XL Axiata Tbk., running the *data center* functions as part of its core business as a provider. XL JNB Bintaro managed by a team namely Inbuilding charged in overseeing and managing thousands of network infrastructure devices within the *data center* room.

Inbuilding team find various kinds of problems related to operations of JNB Bintaro. Noted there are some issues occurred in the JNB Bintaro such as device data redundancy, inefficiency in device data searching, device data security and integrity issues, documentation is very limited in every operation of the device, and the absence of support for the processing of information to support decisions on managerial level which is a kind of business issue nowadays related to company strategic planning.

In order to solve the problem, a solution formed of information systems which answer all of the problems in JNB Bintaro. This information system built upon aspects of the ease, speed, and security that were previously not been accommodated by the existing condition JNB Bintaro.

The information system developed using the Scrum method, which is one part of agile software development that suitable to the condition of JNB Bintaro. Scrum enables the construction of the system faster and has a good tolerance to changes in *user* requirements that give a higher success rate than other software development methods.

Keywords : information systems, *data center*, Scrum software development, agile, *user* oriented