

ABSTRACT

Internal Audit Unit of Telkom University currently does not have a system that can assist in scheduling the audit activities, audit scheduling determined by the SAI admin is still done manually. Then a web-based system design is built to facilitate scheduling an audits that can be accessed by auditors and SAI admins to determine the schedule for auditing an auditee process.

One of the problems in the auditing process is the number of auditee is higher than the number of auditors at Telkom University, so the schedule of auditors to auditing an auditee is not optimal. Therefore, effective time is needed in order to use resources more efficiently to determine the audit process schedule.

The results of the system built are expected to help SAI admins and auditors to facilitate the implementation of their work in order to obtain maximum results, less workres, and less time used to do the auditing by implementing the Coloring Graph method applied into the system.

Key Words : Audit, Coloring Graph, Scheduling