

ABSTRACT

In this Final Task Book contains a web-based audit scheduling system design that can facilitate the auditor in determining the schedule for auditing an auditee. One of the problems in the auditing process is the scheduling of auditors to audit an auditee. Because the number of auditees is greater than the number of auditors available, the determination of the audit schedule requires effective time in order to use resources more efficiently.

In this Final Task, the scheduling method is implemented with the ant colony algorithm applied into the audit management system at Telkom University. The scheduling program is built using php-based web programming by applying a code igniter framework.

Key Words : *Scheduling, Audit, Ant Colony Algorithm*