

ABSTRACT
ANALYSIS OF DATA RELIABILITY IN SAP RESULT FROM
DATA REDUCTION WITH STATE TRANSITION TESTING
METHOD
(Case Study : PT Telekomunikasi Indonesia)

By
ANANTYA KHRISNA SETA
1202154145

PT Telekomunikasi Indonesia, using information system technology with the concept of Enterprise Resource Planning, namely SAP, SAP-based RMCA (Revenue Management Contract Account) with the name TREMS (Telkom Revenue Management System) which aims to manage revenue and also to handle billing documents from customers,

Every year the data that resides on the TREMS server continues to grow, adding that data causes several obstacles that can occur, such as the length of time needed to backup and restore data on the database, failed backups and decreased performance of the server used. To overcome this problem, PT. Indonesian Telecommunications reduces row data in the database for billing billing data, reverse documents and unpaid customer open item bills in the past 2 years.

The data reduction causes testing to ensure the data after the reduction process remains consistent and accurate for each transaction testing with one black box method with the State Transition Testing technique carried out to test each transition in the transaction so that if there is incomplete / inconsistent data known from the transition carried out and with two stages of testing, namely System Integration Testing and User Acceptance Testing to strengthen the results obtained..

Keywords : ERP , SAP , TREMS , System Integration Testing ,User Acceptance Testing, State Transition Testing