

## **ABSTRACT**

### **ANALYSIS OF RELIABILITY DATA REDUCTION IN TREMS WITH DECISION TABLE METHOD**

**(Study Case: PT Telekomunikasi Indonesia, Tbk)**

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PT Telkom Indonesia Tbk is the largest telecommunication service provider in Indonesia. There are many transactions made to give service to consumers, one of these transactions is Write Off, and WS.

The number of transactions carried out by Telkom Indonesia and interrelated, then Telkom Indonesia requires an Enterprise Resource Planning application, which is SAP that can help integrate all business processes with each transaction made by Telkom Indonesia.

Telkom Indonesia has an increase of customers every year. Most customers increase occurs in POTS segmentation, so the data stored on the database server is getting bigger. The largest data can cause a decrease in the performance of the system in loading data on the database server and also causes several problems such as the risk of failure when the data backup is getting bigger, the process of restoring data is very long so that it can affect Telkom Indonesia's operational activities. Therefore, data reduction is done on the server and replacing the new device server to get more optimal performance. Data on the new device have been reduced must be tested for transactions related to SAP to see if the data is consistent. Testing is done with three methods which is, *Decision Table*, *System Integration Testing* and *User Acceptance Testing*.

Keyword: BUMN, ERP, SAP, *Data reduction*, *Decision Table*, *System Integration Testing*, and *Used Acceptence Test*.