

ABSTRACT

Admission scheme data migration process at the staging to destination stage from Telkom University of Surabaya to the University of Telkom Bandung as the main campus, is part of the TUNC project. (Telkom University National Campus). This process is handled by the Directorate of Information Technology Centre (PUTI) of Telkom University of Bandung precisely by the management division. Data migration uses Oracle as its database, DBeaver as DBMS (Database Management System) tools, and Pentaho Data Integration (PDI) as ETL tools. (Extract, Transform, and Load). In this process, data integration becomes a benchmark of the success of the migration process. Data integration is achieved by applying a sequence used to check the Primary Key (PK) and Foreign Key. (FK). Using the correct type of transformation also affects the efficiency and efficiency of the data migration process. Selection of the transformation type is based on the complexity of data that includes data volumes, data structures, relationships between tables, and data types. Through this approach, it is expected that the data migration process can be performed optimally, ensuring consistency and integrity in the new system at Universitas Telkom Bandung.

Keywords: *data migration, TUNC, data management, data integrity, migration transformation*