

ABSTRACT

Blood donation is the process of giving blood voluntarily for the purpose and purpose of blood transfusion for other people in need. Blood donation is useful for a palliative aspect that focuses on patients with serious or life-threatening illnesses. One of the organizations in Tangerang City, namely the Indonesian Red Cross (PMI), carries out the process of collecting, storing and delivering information related to blood donations. Unlike previous studies that have been conducted by Castaka Agus Sugiatno and Teguh Muhammad Zundi, namely the development of a blood transfusion unit application on the Design of Mobile-Based Blood Donation Applications at PMI Bandung Regency. With the aim that the blood donation activities that will be carried out can be known to the public through an android application, in this study the authors made use of data warehouse technology with the Pentaho Data Integration (PDI) software which was a solution to PMI's difficulties in managing data that had been scattered in various branch units. Blood Donation (UDD). by performing the ETL (Extraction, Transformation and Loading) method through the Pentaho Data Integration (PDI) software, where data that is spread across various branches of the Blood Donation Unit (UDD) domicile in Tangerang City can be managed at once and only takes less than 3 seconds to input 5000 data . It is more efficient than manually inputting data which takes a long time. In addition, data warehouses that have been processed or conducted ETL will be directly connected to the Web so that if there is a request for blood bags for certain groups. The admin can use blood donor data to search for empty blood stock.

Keywords: Data Warehouse, Web, Blood Donation.