

ABSTRACT

Information is become a very valuable asset for who do the business not exceptionally a company which running the business in an animal feed. CV. Kembar Mekar is one from many company which running the business in an animal feed sector, but the company is still not have the system which can do the data analytic to data's which related to the inventory management. Therefore inventory management need to be monitored so we would know how the development is.

Therefore business intelligence system be in form of dashboard is needed to monitor the performance of inventory management at the company and Data Mining to get more information from information we already get. By looking at the stock data with order data, it can be concluded is company already meet the inventory management in good rate or not, then the company could make a decision related with trends in inventory activity.

Business dimensional life cycle is an approach that integrates Development from three standpoints, Technology, data, and Applications. Business dimensional life cycle also identify the business needs to ensure developers understand what the user needs though.

By developing business intelligence based on data warehouse using pentaho, hopefully CV. Kembar Mekar can monitor the performance of the inventory management so that the top level management can make decisions in order to improve the warehouse performance.

Keywords: business intelligence, data warehouse, business dimensional life cycle, data mining, Pentaho, CV. Kembar Mekar.