Abstract

The limited ability of an enterprise management applications such as Enterprise Resource Planning (ERP) in providing more meaningful data is one of important issue in internal company today. A manager or executive in the process of analyzing requires a fast and easy to understand data for decision-making with appropriate support in adjusting business needs that will continue to change.

Business Intelligence is an OLAP application used to simplify the process of analyzing and monitoring the company in overcoming these problems. The majority of Business Intelligence application at the time was built with a service-oriented as a form of the solution in addressing changing business requirements. The implementation of BI application appropriately to an existing system is always costly, so the use of Open Source applications will greatly ease the burden on companies. Thus, the implementation of Open Source BI applications that integrate with ERP applications by implementing a service-oriented architecture is one solution that can be used to overcome limitations in the ability of the internal management of an enterprise.

Pentaho Open Source BI is that not only provides the BI applications, but provides a platform for building business solutions with an established BI applications. With all the data analyzed by Pentaho will be given in outline through the three
main functions, namely the manufacture of the analysis, report creation and provision of some types of dashboards. Analysis of the scope is limited by the needs of companies in this case relates to the financial process (Finance), sales (Sales), purchasing (Purchase), consumers (Consumers), and production processes (Manufacturing)

**Keyword:** SOA Bisnis intellijen, SOA, Layanan web, Pentaho, KPI