

## **ABSTRACT**

*Production activities in the company is a key element in supporting the company's operational activities. The production process is done to meet the needs of consumers of a product that is needed. Production is done to process or transform these needs into a consumer product. The production process, of course, starts from the finished process to becoming finished goods. In this process there is a need for guarding of activities from upstream to downstream of a production. This is done to achieve the vision and mission of the company.*

*One of the best ways to overcome the production process in a company is to build a business intelligence (BI). Business intelligence is able to answer the needs of the company to improve its ability to analyze, evaluate and assist in making decisions. One of the outcomes of business intelligence is the dashboard and data mining which contains certain parameters that can monitor the performance of employees in the company. These parameters contribute to the progress report so that users can also know the target set by the realization obtained.*

*This research methodology uses one of the business dimension life cycle methodologies, a methodology commonly used in building and developing business intelligence. The business dimension life cycle is a methodology that integrates three technological, data, and application angles. With the construction of business intelligence based data warehouse using Pentaho expected CV Kembar Mekar can provide performance in accordance with expectations so that upper management can take the decision to improve the company's performance.*

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