

## ***Abstract***

*Along with the development at this time many companies use information systems to support business processes. But in fact only a few companies who did an evaluation of business processes in information systems. Event log data that is the result of the extraction process of Enterprise Resource Planning (ERP) can be used to evaluate the business process. Process mining is one way to evaluate because it is useful to deepen the transaction process to form an actual business process workflow. Petri Net is a form of workflow which can describe business processes, the next of Petri Net analysis will be conducted to determine the suitability of the algorithm with the models created.*

*With the prom Tools illustration of the ERP business processes can be formed. Using the algorithm that stated in ProM tools to illustrate the model then fitted to the ERP business process of fresh food inventory in Lotte Mart Bandung. This algorithm is used to evaluate the business process. With this research a process mining algorithm that is suitable for evaluating the ERP business processes that occur in the Fresh Food Inventory at Lotte Mart is Heuristic Miner because representation model from Heuristic can be suitable with business process that occurred in Lotte Mart Bandung.*

**Keyword:** *Process Mining, Event Log, Petri Net*