ABSTRACT

Supply chain management is no longer considered as a new thing for the company but as a method that already applied in the business to increasing the efficiencies in logistics process. In applying supply chain management some risks could be influence the flow of supply chain and will inhibit the supply chain. Hence, supply chain risk management will be needed to minimize risks or failures which can occurs in the supply chain flow.

Raw materials in the important goods for the production, the production process can not operate as well if they can not fulfill the goods requirement for the production. One of the cause of failure requirements is the failure of inbound supply, for the example is delay of vendor’s deliveries, incorrect of the good’s quantity, incorrect of material’s specification and bad quality of the materials. This situation will caused the financial’s loss in the company.

This research using FMEA (Failure Mode and Effect Analisys) method with spreadsheet as helping tools to analyze supply chain risk, specialy to analyze inbound supply risk. From the analysis result by using FMEA, recomendation and suggestion to reduce, prevent, and avoid in inbound supply process will be given for PTEI.

Keywords: supply chain risk management, FMEA, inbound supply, spreadsheet