ABSTRACT

PT Behaestex is one of the keyplayer textile company that specialized on sarung weaving. As the effect of monetary crisis, PT Behaestex should take forward move to gain efficiency so that it can survive. For optimal efficiency, PT Behaestex is demanded to integrate every element of production system, from material procurement until customer despatch efficiently. According to many references, inefficiency on the system is caused by non value added activity or waste. Because of this problem, an approach wholestream is needed so that we can identify and minimize waste right to the valuestream system. An important approach for above characteristic is lean approach.

Lean approach is a model for modern management which integrated all activities on the supply chain. Lean approach offer framework that focus how to reduce waste from the customer perspective. With waste minimization, the company will become leaner, because they only do value added activity. Finally the company will able to reduce cost and enhance service level to customer, two different trade off that usually can not be combined

In this research, there are some stages that have to be done. First stage is how to identify wholestream waste with big picture mapping tool. The next stage is how to identify detailed waste right to the valuestream with the most suitable valuestream mapping tool that is chosen by value stream analysis tool. With both of identification, wholestream waste and valuestream waste, can be integrated to analyze the rootcause of waste.

From waste rootcause analysis can be found that the main causes of waste are waiting on the weaving machine, unneccessary inventory on the finished good warehouse and doffing system, and defect on the raw material and the work in process. From identification process, improvement action can be recommended to minimize waste according to waste rootcause.

Keyword:

lean, waste, supply chain management, valuestream, wholestream.