

## ABSTRACT

*PT. Pupuk Kujang is a state enterprise (BUMN) that engaged in fertilizer manufacturing company. PT. Pupuk Kujang has 3 main warehouse, which are raw material warehouse, spare part warehouse, and finished goods warehouse. The finished goods warehouse is a final product storage that has been finalized in production process. The absence of a good Product arrangement cause high time to search product that make delay. Beside delay, the other consequences provoke is tend operator to put product in open storage area. The risk happen if product put in open storage area is product will be easily damaged due to the weather. The objective of this research is to minimize operational warehouse cost because during this time company having financial lost because of damaged product.*

*The first step to do is mapping flow of information and material that are happening in the process at finished goods warehouse. PT. Pupuk Kujang with using Value Stream Mapping (VSM). VSM and then made with more detail by using Process Activity Mapping (PAM). The next step is to analyze the delay cause from the result of PAM.*

*Improvement proposal is done with 51 product using product classification based on product characteristic using FSN Analysis, product allocation in warehouse based on space requirements on each product, priority, distance calculation, and visual control. From the result of future state mapping proposal, we found that the value added for proposal condition is now at 55,92%, Meanwhile there's utility increase for allocation as much as 34,73%.*

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