

ABSTRACT

Aroma Kahuripan is a business operating in the food and beverage sector, specializing in coffee drinks. The primary ingredient used to produce a beverage at Aroma Kahuripan is a coffee concentrate. Aroma Kahuripan needs to produce coffee concentrate to meet customer demand. After a review, it was found that there were delays in the delivery process of the coffee concentrate. This has resulted in complaints from stores and increased operational costs for workers. Process Activity Mapping was employed to identify any waste occurring in the production line. Observations revealed that motion waste was one of the most significant wastes in the coffee concentrate production process. To address the motion waste, the implementation of 5S activities was proposed to reduce non-value-added movements. An experimental test will be conducted to observe the production process time after the proposed changes. Through the Value Stream Mapping future state, a proposed lead time of 796.14 seconds was obtained. This indicates a time gap of 26% between the existing process and the post-trial process. Additionally, using Process Activity Mapping with 5S activities, non-value-added activities decreased by 100%. With these proposals, With the proposal, Aroma Kahuripan can minimize expenses by 34% if there are no delays with a demand of 5 liters.

Keywords: Coffee, Waste, Process Activity Mapping, Value Stream Mapping, 5S, Lean Manufacturing.