

ABSTRACT

This research was conducted at an automotive component company engaged in the production of automotive component products, one of which is the oxygen sensor bracket. In 2020 the production target from January - December for the oxygen sensor bracket has not been achieved so that it becomes a problem of wasting activities in a company. For this reason, it needs to be done in order to minimize waste or activities that do not add value to the company. This study uses Value Stream Mapping (VSM) in order to know the flow of material and information flow related to the production process of the oxygen sensor bracket, then look for critical waste using the Waste Assessment Model (WAM) and Value Stream Mapping Analysis Tools (VALSAT). To find the root cause of critical waste by using a fishbone diagram and continue to provide suggestions for improvement based on the known root causes. the implementation of the improvement proposal, the production process time was reduced by 1464 minutes or 4.07%.

Keywords: lean manufacturing, value stream mapping (VSM), waste assessment model (WAM), value stream mapping analysis tools (VALSAT), fishbone diagrams, waste, critical waste, Oxygen Sensor Bracket.

