ABSTRACT

There have been many theses carried out on Lean implementation (LI) in larger organizations with specific focus on the automobile industry. Lean implementation among Small and Medium Enterprises (SMEs) has not been so extensively researched. This project attempts to bridge this gap by reviewing the literature that discussed Lean implementation in SMEs with a perspective of identifying the main challenges faced. We applied the Systematic Review Methodology proposed. This methodology allows for more comprehensive and profounder analysis along three stages: planning, conducting, and reporting. We collected information was classified into four categories for more synthesis. The aim of this study is to establish the current position of global understanding of Lean implementation in SME's, including examining the main categories of Lean implementation in the context of SMEs. and Value Stream Mapping (VSM) is a special type of flow chart that uses symbols known as "the language of Lean" to depict and improve the flow of inventory. In this research, process time and other unnecessary non value added activities of a automobile plastic injection moulding parts company have been reduced by using various lean manufacturing tools. The current situation is analyzed by showing a current state map. Then after using several lean tools, a future state value stream map has showed by reducing their overall production lead time as well as wastes by considering the suggestions about using lean tools and improved layout.