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Relationship between Lean Production and Operational Performance in the Manufacturing Industry

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Abstract

Nowadays, more and more manufacturing firms have started to implement lean production system in their operations. The lean production is view as one of the mechanism to maintain the organization's position and to compete globally. However, many fail to apply the lean concepts successfully in their operations. Based on previous studies, implementation of lean production in the manufacturing industry is more focus on the relationship between Lean and Operational Performance of one dimension only. Therefore, this study attempted to examine the relationship between Lean Production (LP) and Performance Operation of various dimensions. This study employed quantitative study using questionnaires. Data was collected from 50 manufacturing industries. The data was analysed using Structural Equation Modelling (SEM). This study is hoped to shed new understanding of the concept of Lean Production (LP).