



**IMPROVEMENT OF MEDIUM AND LARGE PRESS LINE THROUGH  
LINE BALANCING**

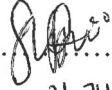
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“I declared that this thesis is the result of my own work except the ideas and summaries which I have clarified their sources. The thesis has not been accepted for any degree and is not concurrently submitted in candidature of any degree.”

Signed .....  .....  
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## **ABSTRACT**

Autokeen Sdn Bhd (AKSB) is a company that produced automotive parts for major car manufacturers in Malaysia. However, the current production is behind the production plan. Based on initial observations, the problems occurred were due to inaccurate cycle time and poor Standard Operating Procedure (SOP). To overcome these problems, improvement of cycle time at large and medium press line is intended. Based on the production volume for these press lines, Pareto chart has been applied to highlight the most critical and fast moving parts for further improvement. Time study and standardized work combination table have been used as tools to measure and to improve the cycle time. More efficient and effective SOP have been established. Thus, the productivity has been improved by reducing wastes such as unnecessary movement, WIP and waiting time.

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