IMPROVEMENT THE SORTING PROCESS OF LOGISTICS WELDING PARTS SUPPLY PROCESS USING KAIZEN CONCEPT IN PT. TMMIN, KARAWANG

UNDERGRADUATE FINAL PROJECT

Submitted as one of the requirements to obtain Sarjana Teknik (S.T.)

By

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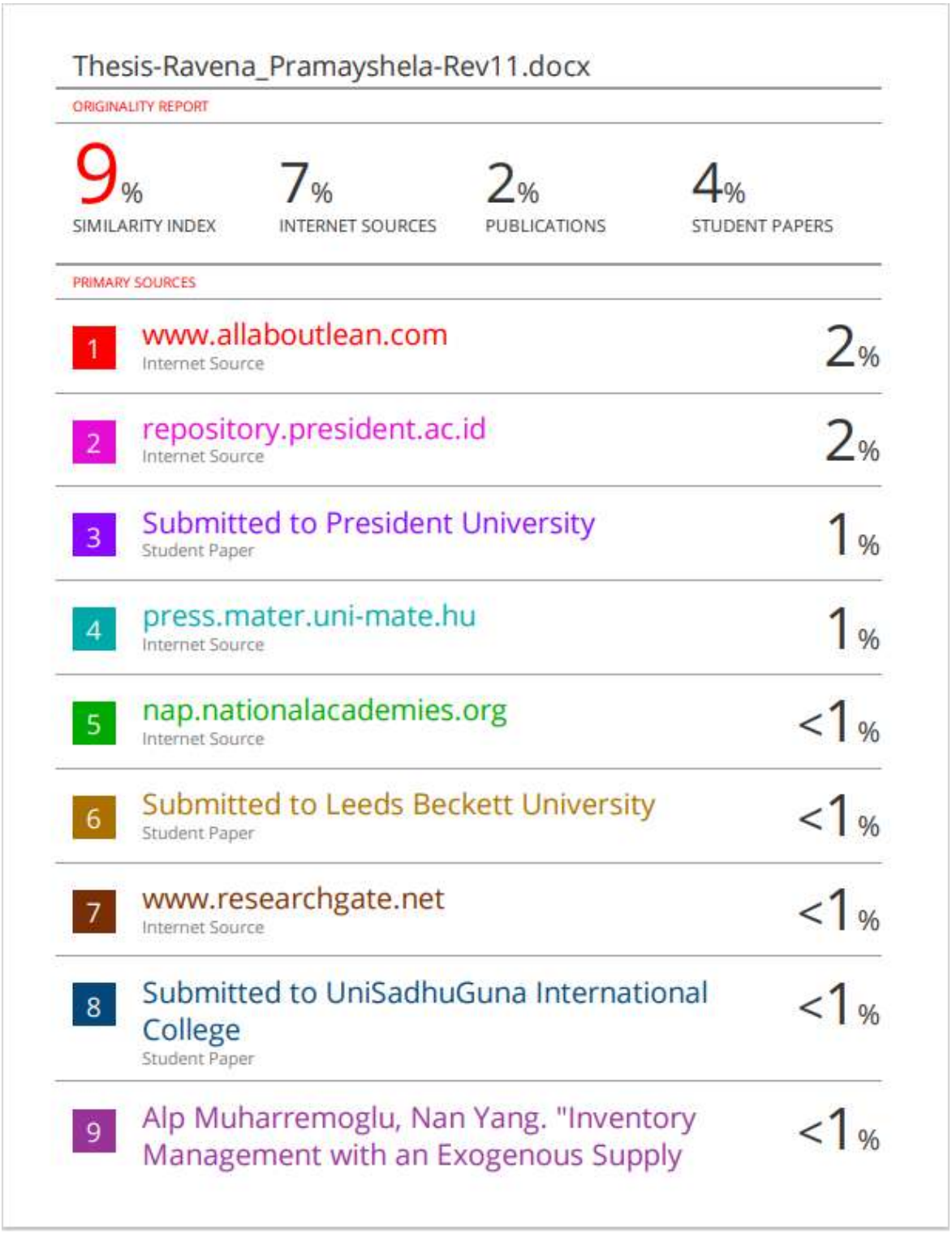
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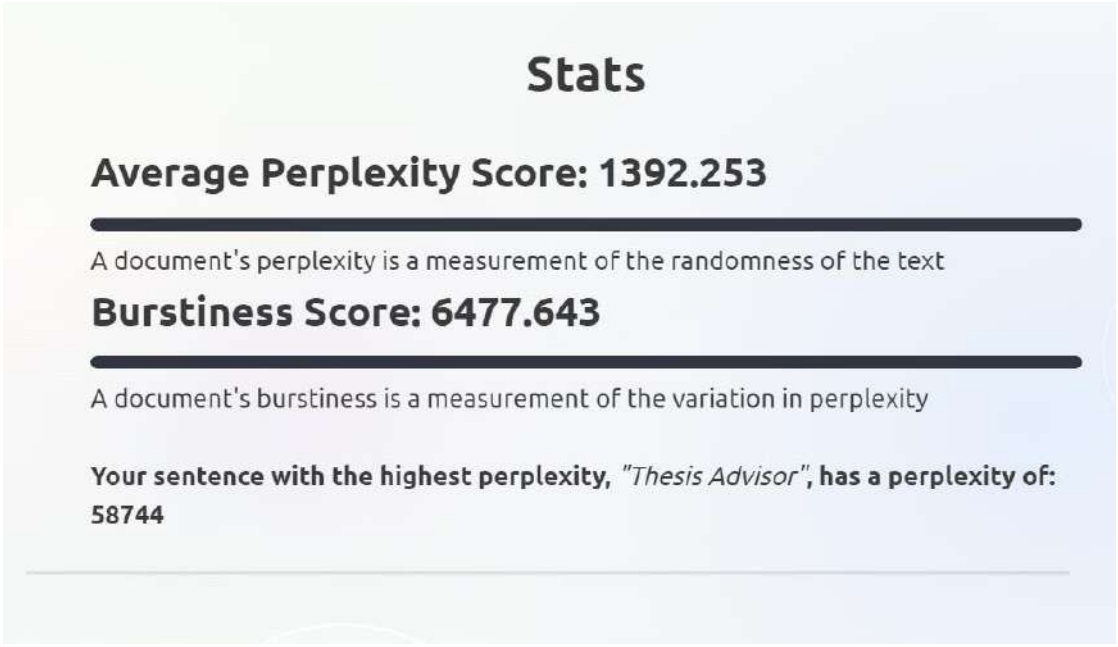
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ABSTRACT

In a manufacturing company, Kaizen is highly prevalent. Numerous research has been done to understand Kaizen's components and effectiveness better. Even Kaizen had lessons to learn about its sustainability and execution. Kaizen's adoption and durability are crucial and advantageous for the business because they act as a gateway for additional improvements. Also, discusses how to make the activity in the material supply process more efficient in PT TMMIN using kaizen approach. There are many activities in line production logistic welding and finding the waste of the line supplying the materials. And the initial lead time process is 437.1. The concept of production system is every process in line should affect to every workstation. So, this research will improve to reduce the total lead time become 427.1 minutes.

Keywords: supply chain management, logistics, kaizen, lead time, part supply, PDCA

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LIST OF TERMINOLOGIES

Andon	:	Signboard in manufacturing that shows the current state of the operations including for example parts produced target and current, process breakdowns, etc.
Direct supplier shipping	:	Shipping method that the supplier directly delivery the order to PT. TMMIN
In-house supplier	:	The supplier that still the part of PT. TMMIN, in example PT. TMMIN Sunter
Jidouka (Built-in Quality)	:	A standard method in Lean Manufacturing and Toyota Production System, to detect problems in the production process and stop the production process.
Maguchi flow rack	:	Rack in production line for the materials, so material handling equipment used to improve picking efficiency and accuracy.
Maru-G supplier	:	The suppliers from other companies and not part of PT. TMMIN
Milkrun shipping	:	Shipping method that the supplier should take the order from different places in sequence and has a fixed schedule similar, then deliver to PT. TMMIN
PC Delivery	:	The process of sending part/supply from the progress line when the cycle of the part starts running until the part reaches the batton pass
PC Safety	:	A backup time that is used to avoid things that are not desired
LS Delivery	:	A calculation of the time a part is moved from the batton pass area to the line side

LS Delivery	:	A backup time that is used to avoid things that are not desirable when implementing LS Delivery.