

**PRODUCTIVITY IMPROVEMENT AT A FURNITURE MANUFACTURING
COMPANY UTILIZING LINE BALANCING METHOD
(CASE STUDY PT. INDOVICKERS FURNITAMA)**

by

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STATEMENT BY THE AUTHOR

I hereby declare that this submission is my own work and to the best of my knowledge, it contains neither material previously published or written by another person, nor material which to a substantial extent has been accepted for the award of any other degree or diploma at any educational institution, except where due acknowledgement is made in the thesis.

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ABSTRACT

PRODUCTIVITY IMPROVEMENT AT A FURNITURE MANUFACTURING COMPANY UTILIZING LINE BALANCING METHOD (CASE STUDY PT INDOVICKERS FURNITAMA)

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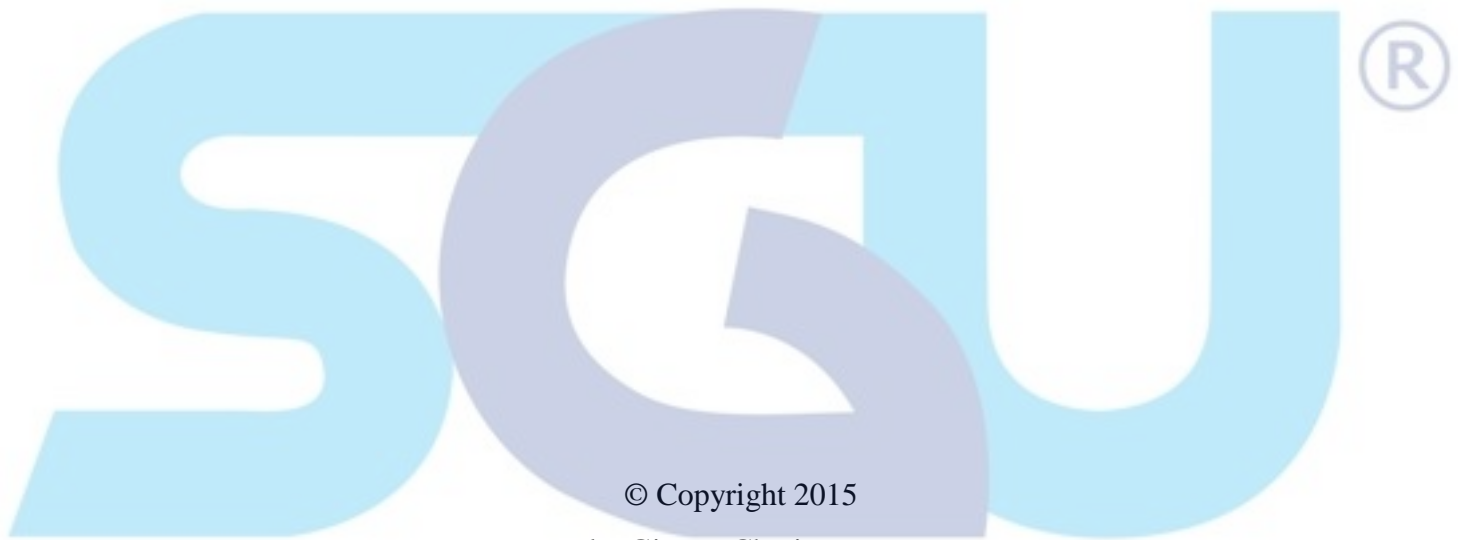
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In this era of globalization, competition is becoming ever more intense. PT Indovickers Furnitama is one of furniture manufacturing companies in Indonesia. The company must not only compete locally but also on a global basis. Reducing manufacturing costs without sacrificing product quality is vital for the survival of furniture manufacturing companies in a global market. With the increasing of market competition, the line balancing plays an important role for the industries to obtain the high quality and lowest cost. This project main purpose is to assist in deliver on time and at the right quantity and quality, making production line more efficient and productive through improving its line efficiency. This research will attempt to overcome the problem by determine standard time and increase its productivity by using three heuristic line balancing method. Eventually, the company will get standard time and optimize production line. Therefore, the study will concentrate on manufacturer's problem, which are efficiency of production line and to find out standard time for each process.

Keywords: Standard Time, Time Study, Line Efficiency, Helgesson - Birnie, Moodie Young, New Bidirectional.



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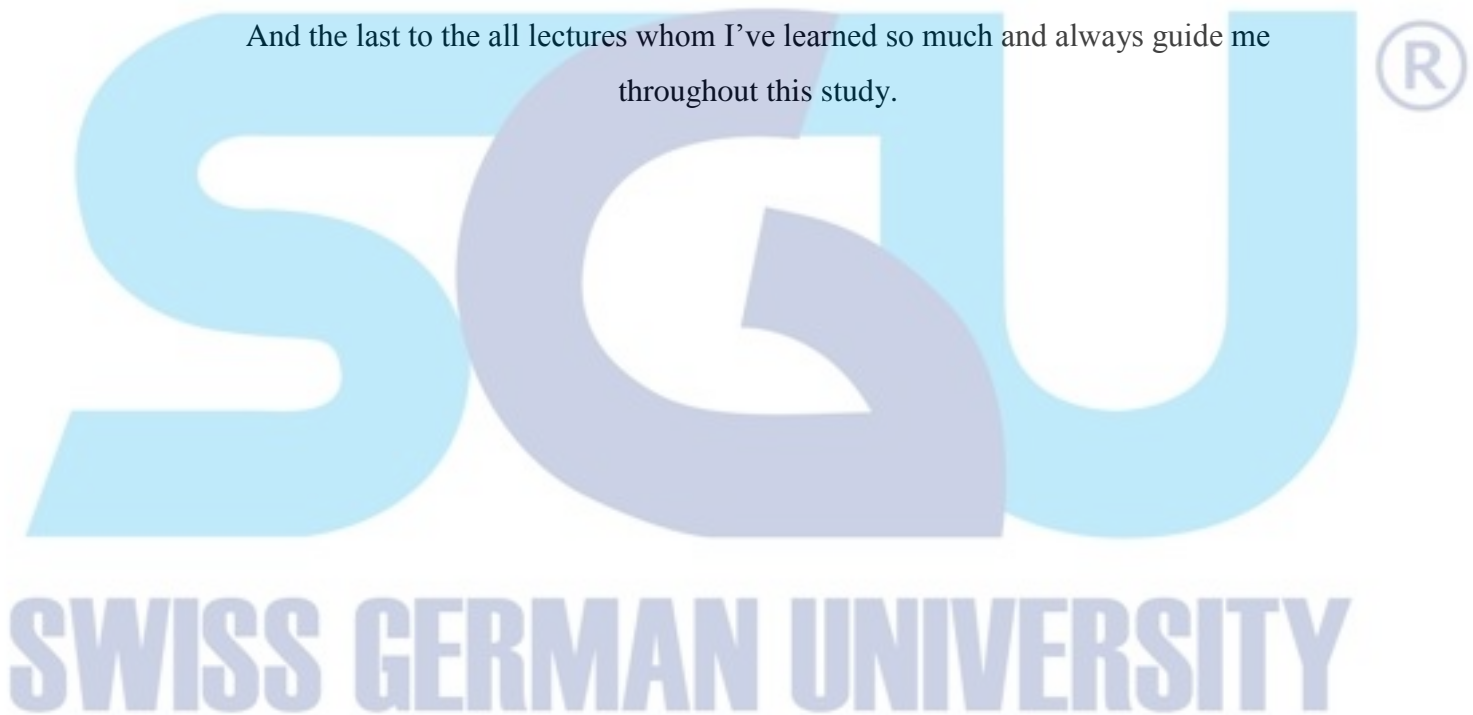
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DEDICATION

I dedicate this thesis work to my family who always give me support to accomplish this study.

To my friends who always help me when I faced problem in this study.

And the last to the all lectures whom I've learned so much and always guide me throughout this study.



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Foremost I would like to express the highest praise to Jesus for all strengths and blessings throughout the completion of this thesis.

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