

Sino-ASEAN International Academic Conference 2015

International Academic Conference
on Connected Innovative
Knowledge Economy

15 -16 June 2015

Siam University
Bangkok, Thailand

BOOK OF ABSTRACTS



มหาวิทยาลัยสยาม
Siam University



廣西財經學院
GUANGXI UNIVERSITY OF FINANCE AND ECONOMICS



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Edited by Siam University Strategic Research Center (SUSRC)
Printed by Faculty of Engineering, Siam University

Table of Contents

Foreword	1
Organizers	3
Committee & Peer Reviewers	4
Program	5
Keynote Speakers	7
Abstracts	
Theme A - Knowledge-based Finance & Economy	13
Theme B - Strategies in Organization Management & Tourism Sector	21
Theme C - Issues in Integration of Sino-ASEAN and Beyond	31
Theme D - Consumers Sovereignty in Sino-ASEAN	41

Breakdown Study of Injection Molding Machines

Anak Suwannarat

Siam University

In a plastic injection plant, or injection molding business in ASEAN countries the production efficiency problem is due to the machine breakdown. The breakdown of machine is partly from the lack of good care taking of the machine and maintenance. The objective of this study is to investigate the machine breakdown and reduce the maintenance time. The breakdown and maintenance data will be collected and maintenance plan is going to be set. From the study, it is revealed that, before the study, the average number of monthly breakdown is 4.67 and the average maintenance time is 715.71 minutes with a total average maintenance time per month of 3,3402 minutes. After the study, the average number of monthly breakdown is 2.33 and the average maintenance time is 625.7 minutes with a total average maintenance time per month of 1,460 minutes. This is a reduction of maintenance time of 1,880 minutes per month or 43.71 %. Enhancing the efficiency machinery factory has a production capacity improved.

Keywords: injection molding machine, machine breakdown, machine maintenance time



Certificate of Attendance

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ANAK SUWANNARAT

FOR SPEAKING IN THE

“SINO-ASEAN INTERNATIONAL ACADEMIC CONFERENCE

ON

CONNECTED INNOVATIVE KNOWLEDGE ECONOMY”

AT SIAM UNIVERSITY, THAILAND

JUNE 15-16, 2015

A handwritten signature in black ink.

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