

1st INTERNATIONAL BOOK CHAPTER

INNOVATIVE DESIGN OF MANUFACTURING AND SERVICES PROCESS

Department of
Industrial Engineering
and Chemical Engineering

This Book Chapter is a resume of research results between lecturers and students in the Faculty of Industrial Technology in the even semester of 2020-2021. This book further strengthens the theory taught in lectures because, in addition to carrying out literacy on several theories that are already robust, direct observations are also carried out on research objects, data collection, testing and comprehensive measurements. Validation of results through appropriate method approaches for further as the basis for analysis of the expected results makes a proper contribution to the managerial implications. From the various findings in this study, various innovation concepts in the manufacturing and service processes increase productivity through increased effectiveness and efficiency in the company. This book is also expected to contribute to readers related to process technology through several discoveries to inspire the emergence of new opinions and theories.

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Faculty of Industrial Engineering
Institut Teknologi Adhi Tama Surabaya (ITATS)

INNOVATIVE DESIGN OF MANUFACTURING AND SERVICES PROCESS

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CONTENTS

PREFACE	vii
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CHAPTER 1

EMPLOYEE PERFORMANCE IMPROVEMENT ANALYZING TROUGHT
THE LEADERSHIP STYLE, WORK CULTURE AND REMUNERATION ON
JOB SATISFACTIONAT SURABAYA AGRICULTURAL QUARANTINE
CENTER

Gatot Basuki HM, Setiawan, Moh Hibatulloh Asrori	1
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CHAPTER 2

ANALYSIS OF WORK MOTIVATION ON TURNOVER INTENTION
THROUGH JOB SATISFACTION AS A MEDIATION VARIABLE FOR
EMPLOYEES

(Case Study: PT. Berkah Adi Maulana-Kediri)

Suparto, Alifia Ramadhani and Oka Dwijayanto	19
--	----

CHAPTER 3

LEAN MANUFACTURING IMPLEMENTATION IN THE PRODUCTION
PROCESS TO REDUCE WASTE

Ni Luh Putu Hariastuti, Edwin Bayu Kurniawan and Hakiki Bagus Sajiwo	31
---	----

CHAPTER 4

PRODUCT QUALITY CONTROL ANALYSIS OF POLYURETHANE
SANDWICH PANEL USING OLD SEVEN TOOLS METHOD IN PT. ABC

Suparjo, Ervina Febrianti, and Hisyam Hafis Achmad	53
--	----

CHAPTER 5

ANALYSIS AND EVALUATION OF PRODUCTIVITY AT PT. SAWIT MAS PARENGGEAN WITH THE APC (AMERICAN PRODUCTIVITY CENTER) METHOD AND MARVIN E. MUNDEL

Suhartini, Adi Alfi Mahmudi and
Muhamad Rafi Maulana 67

CHAPTER 6

REDESIGN OF FACILITY LAYOUT (RE-LAYOUT) ON CRACKERS PRODUCTION AT UD. SEKAR SURABAYA

Hastawati Chrisna Suroso, Aulia Tri Wijayanti and
Tyas Septia Nova 83

CHAPTER 7

ANALYSIS AND IMPROVEMENT OF PRINT CHANGE SET-UP TIME USING THE SINGLE-MINUTE EXCHANGE OF DIES (SMED) METHOD (Case Study: PT. XYZ)

Anindya Rachma Dwicahyani, Zain Lillahulhaq and
Lucky Setya Wicaksono 101

CHAPTER 8

ANALYSIS OF SERVICE QUALITY AT FERTILIZER DISTRIBUTION USING SERVQUAL METHOD AND KANO MODEL TO CUSTOMER SATISFACTION INCREASING

Lukmandono, Kusno Hadidjija and Muhammad
Ramadhan 115

CHAPTER 9

SUPPLY CHAIN PERFORMANCE ANALYSIS USING GREEN SCOR (SUPPLY CHAIN OPERATIONS REFERENCE) AND ANP (ANALYTICAL NETWORK PROCESS) APPROACH

Hirmas Amir, Evi Yuliawati, and Achmad Dicky
Setiawan 137

CHAPTER 10

CUSTOMER SATISFACTION ANALYSIS AND SERVICE PROCESS
DEVELOPMENT DESIGN ON SELF SERVICE IN HIDAYATULLAH STORE
(Case Study: Pondok Pesantren Hidayatullah Surabaya)

Moch. Kalam Mollah, Adi Nugroho and Mushthofa
Zuhad Siroj 151

CHAPTER 11

THE INFLUENCE OF PRODUCT QUALITY, SERVICE QUALITY AND PRICE
ON CUSTOMER SATISFACTION AND CUSTOMER LOYALTY
(Case Study: Mamboo Bakery Kletek – Sepanjang, Sidoarjo)

Yoniv Erdhianto and Agung Firdausi Ahsan 171

CHAPTER 12

QUALITY CONTROL PRODUCT WITHUSING THE FAILURE MODE AND
EFFECT ANALYSIS (FMEA) METHOD ANDFAULT TREE ANALYSIS (FTA)
AT PT. AGUNG STEEL MAKMUR SIDOARJO
(Case Study: Handle Grandstone Iron)

Rony Prabowo, Mochamad Bagus Setiyawan
and Rusman 185

CHAPTER 13

PACKED REACTORS PERFORMANCE IN BIODIESEL MANUFACTURING
FROM BULK OIL

YustiaWulandari M, Nur Huda Willy Sasmita, Ervan
Yoga Pratama and Hega Rahman Hakim 199

CHAPTER 14

REMOVAL Pb (II) FROM WELL WATER IN PASURUAN CITY USING THE
CATION EXCHANGER PROCESS

Dian Yanuarita Purwaningsih, Esthi Kusdarini,
Muhammad Iqbal, Crystiandry Novanda 207

CHAPTER 15

POLYMER ELECTROLYTE MAKING FROM EUGENOL AND DIRECT METHANOL FUEL CELLS

Eka Cahya Muliawati 217

CHAPTER 16

EFFECT OF ADHESIVE TYPE ON BRIQUETTES FROM BINTARO FRUIT PEELS ON TIME BURN

Erlinda Ningsih, Henny Silvia Himawan, Helvi
Marita Indriani and Dicky Agustin Aditya W..... 229

CHAPTER 17

PLASTIC'S PACKAGING WASTE PROCESSING FOR COOKING OIL AND BOTTLE CAPS INTO ACTIVATED CARBON

Kartika Udyani, Erlinda Ningsih, dan
Ambarwati Syahdiana Umar 241

AUTHOR 255

Preface

Praise be to the presence of Allah SWT for with all His grace of the publication of the Book Chapter of the Innovative Design of Manufacturing and Services Process.

Increasingly fierce business competition in the manufacturing and service industries requires innovation, creativity, and stricter steps towards product and service development to meet increasing consumer demands. Product development is closely related to process innovation. This book chapter provides essential information related to processing innovation in the creation of new products.

This book chapter presents a lot of information related to knowledge based on research conducted by academics, both lecturers and students, in collaboration with companies so that the research results can be used or utilized by companies that are used as research objects.

This book chapter contains various methods of solving problems in companies by using different types of reliable data (data mining). The results obtained through analysis and comprehensive discussion are carried out through verification and validation of the effects of parties with competence in their respective fields.

In this Book Chapter, there are still many shortcomings and limitations. Therefore the writer team conveyed many apologies, and we still need various inputs from various parties to refine this Book Chapter further. Thank you for your willingness to read this Book Chapter, and I hope it will bring benefits to all of us.

May 2021

Author