##C716386 : MAJOR INDUSTRIAL ENGINEERING
KEY WORD: SMALL PLANT

DANUPUN VISUWAN : DEVELOPMENT OF A MANUFACTURING MANAGEMENT SYSTEM FOR SMALL PLANTS: A CASE STUDY OF A PLASTIC PACKAGE PLANT. THESIS ADVISOR: ASSO.PROF. CHAROON MAHITHAFONGKUL, 195 pp. ISBN 974-634-900-7

The purpose of this research is to study the improving manufacturing management methods and suggesting the approach to analysis the operation for develope the manufacturing management system for small plant. The sample plant chosen to be studied is a plastic package plant where operation development is needed for improving its family business operation to the well-organised system operation having potential to handle business growth and expansion and to increase its manufacturing efficiency to satisfy customer needs both in terms of quantity and quality

This study has developed the manufacturing management in the sample plant by improving its planing, organising, directing, and controlling activities and has suggested the analysing approach to be used in manufacturing development by using data of manufacturing quantity, manufacturing quality and work safety.

Comparing data collected before and after improving its manufacturing management, the results show that the average manufacturing time per unit product in blowing process, the number of defects per manufacturing unit, and the frequency of accidents during working time decrease 6.45%, 52.94% and 100% respectively.

The pattern and the results of the study are expected to be used an approach to improve other industrial plants where the same natures and the same needs exist.

ภาควิชา วิศวกรรมอุตสาหการ ลายมือชื่อนิสิต ดนุพันธ์ วิสุวรรณ

สาขาวิชา วิศวกรรมอุตสาหการ ลายมือชื่ออาจารย์ที่ปรึกษา

ปีการศึกษา 2539 ลายมือชื่ออาจารย์ที่ปรึกษาร่วม