

C716522 MAJOR INDUSTRIAL ENGINEERING
KEY WORD: PRODUCTION PLANNING / INVENTORY MANAGEMENT / A POLYETHYLENE PIPE
FACTORY

JIRAPAT RASREE : PRODUCTION PLANNING AND INVENTORY MANAGEMENT OF A
POLYETHYLENE PIPE FACTORY. THESIS ADVISER : ASSOC. PROF. DAMRONG
THAWESAENGSKULTHAI, 284 pp. ISBN 974-635-516-3.

A polyethylene pipe factory is a plastic industrial which is quite importance for the
developing countries. Where as the essential usage of home & pubic utilities.

The objective of this thesis is to study problem of production planning and inventory
management of a polyethylene pipe factory and to propose suggestions or solution in order to improve
the production planning and inventory management.

The result of this study lead to review the under organization chart and create the
cooperation. Production planning and inventory management will provide the effective management of
materials and product stock control.

The thesis propose suggestions or solution of improving the organizational structure and
job description and inventory management system by classifying code of product, setting up storage
system, inventory control system and improving production planning and scheduling.

The results of this research are the improvement of average point from questionnaires for
organizational structure from 42.86 % to 80.95 %, the reduction purchasing cost of raw material group
A by 8.52 % or 1,362,165.31 bath, time reduction of orderpicking for raw material by 0.40
minute/pallet/time, orderpicking for fitting by 1.12 minute/prices/time and orderpicking for
polyethylene pipe by 2.87 minute/prices/time, and production planning efficiency improvement.

ภาควิชา.....วิศวกรรม อุตสาหการ

สาขาวิชา.....วิศวกรรม อุตสาหการ

ปีการศึกษา..... 2539

ลายมือชื่อ..... 

ลายมือชื่ออาจารย์ที่ปรึกษา..... 

ลายมือชื่ออาจารย์ที่ปรึกษาร่วม.....