Pengantar Bisnis

Sesi 7

MANAJEMEN PRODUKSI

M. Mulyana Nubarak, SE.
http://moebarmart.co.cc
http://moebarak.wordpress.com

Operations Management

Proses Produksi adalah rangkaian pekerjaan yang mengelola sumberdaya untuk menghasilkan suatu produk (barang atau jasa)

Manajemen Produksi: manajemen dari suatu proses.

Input: Raw Materials

Machinery and Equipment

Human Resources

Output: Final Product

Sumberdaya yang digunakan dalam proses produksi

Work station

Semaunya pekerjaan yang lebih formal dan sering dilakukan pada suatu task.

Assembly line

Sequence of work stations in which each work station is designed to cover specific phases of the production process.
Design: The size and structure of the plant.
Layout: Arrangement of the machinery and equipment within the factory or office.

Factors Affecting Design

Site Characteristics

Production Process

Fixed position layout
Flexible

Desired Production Capacity

Production Line

Factors Affecting Design

Site Characteristics

Production Process

Fixed position layout
Flexible

Production Line

Five Tasks in Production Control:
1. Purchasing materials
2. Inventory control
3. Routing
4. Scheduling
5. Quality control
Production Control
Inventory Control

This requires control of:
• Materials inventory.
• Work-in-process inventory.
• Finished goods inventory.

Production Control
Materials Inventory

• Carrying costs
  Costs of maintaining inventories.
• Order costs
  – Costs involved in placing orders.
• Just-in-time (JIT) system
  – Reduces inventory to a minimum by frequently ordering of materials.
• Materials requirements planning (MRP)
  – Ensures materials are available when needed.

Production Control
Routing Process

• Production Scheduling: sequence of tasks necessary to complete the production of a product.
• There is a need to periodically review to determine if things can be improved upon.

Production Control
Scheduling

✓ Production Schedule: a plan for the timing and volume of production tasks.
✓ Techniques used in scheduling:
  • Gantt chart
    Expected timing for each task in the process.
  • PERT chart
    Schedules tasks to minimize delays in the process.

Production Control
Quality Control

✓ Process of determining whether the quality of a product or service meets the desired quality level.
✓ Identify improvements that may be needed in the production process.