

STUDENT REPORT
PROSES MANUFAKTUR
ASSEMBLY And FINISHING



Arranged by:

(Name – Student Number)

(Name – Student Number)

Assistant Code	:	
Team	:	
Tutorial Class	:	
Yogyakarta, (Date, Month, Year)		
(Assistant)		

INTEGRATED MANUFACTURING SYSTEMS LABORATORY
INDUSTRIAL ENGINEERING STUDY PROGRAM
INDUSTRIAL TECHNOLOGY FACULTY
INDONESIAN ISLAMIC UNIVERSITY

2024



CHAPTER 4

ASSEMBLY And FINISHING

4.1 Tutorial Objectives

The following are the tutorial objectives in the Manufacturing Process course:

1. Practitioners know and understand the theory of Welding Machines, Hand Grinders and Cutting Grinding Machines.
2. Practitioners know and understand the working principles of welding machines, hand grinding and cutting grinding machines.
3. Practitioners know and understand the tools used.
4. Practitioners can operate machines to assemble Hydraulic Press products.

Note: If you don't get the Hollow Platform Part, the discussion of the Hollow Platform Part is deleted.

4.2 Tutorial Assignments

1. Studying and understanding learning videos
2. Studying and understanding the teaching module
3. Analyze the function and flow of the machining process
4. Create operation process chart and process plan sheet
5. Making Hollow Platform Part

4.3 Working Steps

Contains the steps for making Hollow Platform parts and Hydraulic Press product assembly.

4.4 Production Planning

4.4.1 Operation Process Chart

Contains OPC parts of Hollow Platform and assembly parts that have been distributed to each group.

4.4.2 Process Planning Sheet

PROCESS PLANNING SHEET	
Number :	Page :



Part Number :			Image file :				
Part Name :			Material :				
Created by : Date :			Dimension	Length :			
				Width :			
				Height :			
Process num.	Operation Description	Workstation	Setup Tools	Tools	Setup time (s)	Process time(s)	Total time(s)
1.							
etc.							

4.5 Hollow Platform Part and Assembly Part Analysis

4.5.1 Mesin Gerinda Potong

- a. Cutting Grinding Machine explanation
- b. Cutting Grinding Machine function
- c. Steps for using the Cutting Grinding Machine
- d. Cutting Grinding Machine PPE
- e. Cutting Grinding Machine Analysis

Practitioners mention the challenge faced and the solutions that can be implemented to prevent the mistakes from recurring.

4.5.2 Welding Machine

- a. Welding Machine explanation
- b. Welding Machine function
- c. Steps for using the Welding Machine
- d. Welding Machine PPE
- e. Welding Machine Analysis

Practitioners mention the challenge faced and the solutions that can be implemented to prevent the mistakes from recurring.



4.5.3 Hand Grinding Machine

- a. Hand Grinding Machine explanation**
- b. Hand Grinding Machine function**
- c. Steps for using the Hand Grinding Machine**
- d. Hand Grinding Machine PPE**
- e. Hand Grinding Machine Analysis**

Practitioners mention the challenge faced and the solutions that can be implemented to prevent the mistakes from recurring.



BIBLIOGRAPHY

**STUDENT REPORT FORMAT**

Information	Provision
Page Size	A4
Margins	Top: 3 cm, Bottom : 3 cm, Right : 3 cm, Left 4 cm
Alignment	Paragraph : Justify Images, Tables, Caption : Center
Font	Times New Roman
Font Color	Black
Caption	Captions use automatic captions. Caption pictures or graphics located below the picture, caption the table is located above the table
Citation and Bibliography	Use APA format
Delete the red writing and student report format when consulting student reports	