



TECHNICAL DRAWING'S



STUDENT REPORT **TECHNICAL DRAWING 2025**



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

INTEGRATED MANUFACTURING SYSTEMS LABORATORY
INDUSTRIAL ENGINEERING STUDY PROGRAM
FACULTY OF INDUSTRIAL TECHNOLOGY
UNIVERSITY OF ISLAM INDONESIA
2025



TECHNICAL DRAWING'S



FOREWORD



TECHNICAL DRAWING'S



TABLE OF CONTENTS



TECHNICAL DRAWING'S



LIST OF FIGURES



TECHNICAL DRAWING'S



LIST OF TABLE

CHAPTER 1 INTRODUCTION

1.1 Background

Contains the basis for selecting **Big Project Products** based on previous journals or research articles. The background is written specifically to address the issues to be resolved.

1.2 Problem Statement

Contains questions about why and how related to the topic of the **Big Project Product** being discussed. These questions cover the issues to be resolved. **(minimum 3 points)**

1.3 Product Design Objectives

Contains the objectives of designing a **Big Project Product** and relates to the questions in the problem formulation topic. **(minimum 3 points)**

CHAPTER 2

SKETCH

2.1 Practicum Objectives

Contains the objectives of the practicum in the module.

2.2 Product Description

Contains explanations of **Big Project products**, such as product names, main functions, materials, design descriptions and dimensions, etc.

2.3 Work Steps

Contains steps for sketching a **Big Project product**, using **at least 3 sketching tools**.

2.4 Final Sketch

Contains full-body sketches of **Big Project products**



TECHNICAL DRAWING'S



CHAPTER 3

FEATURES

3.1 Practicum Objectives

Contains the objectives of the practicum in the module.

3.2 Product Features and Functions

Contains images of each feature (part) of the **Big Project product** that has been rendered in SolidWorks, along with the function of each part.

CHAPTER 4

SURFACE

4.1 Practicum Objective

Contains the objectives of the practicum in the module.

4.2 Mekanisme Produk

Contains information on how the **Big Project Product** works, explained as informatively as possible.

4.3 Surface Treatment Steps

At this point, trainees are free to **find products** with a minimum of 3 parts and a maximum of 6 parts (e.g., sprayer (tube, handle, hose, nozzle)). These parts are contained within a single product, not an assembly or separate parts. Next, enter the steps for creating the product design using a minimum of 3 surface tools in Solidworks.

4.4 Final Design Product Surface

Contains **Surface Products** that have been designed and rendered in Solidworks.

CHAPTER 5

ASSEMBLY

5.1 Practicum Objectives

Contains the objectives of the practicum in the module.

5.2 Assembly Part

Contains a table covering the components of **Big Project products** and what tools are used.

5.3 Final Design Product 3D

Contains the final design of the **Big Project Product** that has been assembled. It also explains what mates were used in assembling the parts.

CHAPTER 6 DRAWING

6.1 Practicum Objectives

Contains the objectives of the practicum in the module.

6.2 Tools in Technical Drawing

Explains the tools on drawing used in the *Big Project* product.

6.3 Technical Drawing

Explains the technical drawings that have been created using American projection and displays dimensions, part list, balloons, and clear labels.

CHAPTER 7 ANIMATION

7.1 Practicum Objectives

Contains the objectives of the practicum in the module.

7.2 Work Steps

Contains animation steps for a **Big Project Product** with a minimum duration of 30 seconds and a maximum of 2 minutes. The animation video also includes an exploded view to visualize the product parts and a camera view to visualize the position and movement of the product.



TECHNICAL DRAWING'S



REFERENCES

OVERALL FORMAT

Page Size	A4
Margins	Top: 3 cm, Bottom: 3 cm, Right: 3 cm, Left: 4 cm
Font	Times New Roman
Font Size	12
Font Colour	Black
Space	1.5, Before: 0, After: 0
Alignment	Justify
Style	Chapter Head : Heading 1, Sub chapter: Heading 2, Sub-sub chapter: Heading 3

IMAGE CAPTION AND TABLE CAPTION

FORMAT

Number	According to the chapter and sequence of figures in the report chapter. For example , CHAPTER 1: “Image 1.1, Image 1.2, dst.” BAB II: “Table 2.1, Table 2.2, etc”
Placement	Image caption: below the image Table caption: above the table
Font	Times New Roman
Font Size	12
Space	1.5, Before: 0, After: 0
Font Colour	Black
Alignment	Center