TECHNICAL DRAWING'S

STUDENT REPORT

TECHNICAL DRAWING 2026





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Practicum Class	:	
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INTEGRATED MANUFACTURING SYSTEM LABORATORY

INDUSTRIAL ENGINEERING STUDY PROGRAM

FACULTY OF INDUSTRIAL TECHNOLOGY

UNIVERSITAS ISLAM INDONESIA

2026

PREFACE

TECHNICAL DRAWING'S

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF TABLES

CHAPTER 1

INTRODUCTION

1.1 Background

Contains the basis for selecting the big project product based on previously conducted journals or research articles. The background is written specifically toward the problem that is to be solved.

1.2 Problem Formulation

Contains why and how questions related to the problem topic of the big project product being discussed. These questions contain the problems to be solved. (minimum 3 points)

1.3 Product Design Objectives

Contains the objectives carried out in designing the big project product and related to the questions in the problem formulation topic. (minimum 3 points)

CHAPTER 2

SKETCH

2.1 Practicum Objectives

Contains the objective points of the practicum in that module.

2.2 Product Description

Contains an explanation of the Big Project Product, such as product name, its main function, its material, design description and dimensions, and others.

2.3 Work Steps

Contains the work steps in sketching the Big Project Product, using at least 3 sketch tools.

2.4 Final Sketch

Contains the sketch result of the Big Project Product in full body.

CHAPTER 3

FEATURES

3.1 Practicum Objectives

Contains the objective points of the practicum in that module.

3.2 Product Features and Their 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 Objectives

Contains the objective points of the practicum in that module.

4.2 Product Mechanism

Contains the working principle of the Big Project Product, explained as informatively as possible.

4.3 Surface Work Steps

At this point, practicum students are free to find a product with at least 3 parts and at most 6 parts (ex: sprayer (tank, handle, hose, nozzle)). These parts are contained in one product, not an assembly product or separate parts. Then include the work steps for creating that product design using at least 3 surface tools in SOLIDWORKS.

4.4 Final Surface Product Design

Contains the Surface Product that has been designed and rendered in SOLIDWORKS

CHAPTER 5

ASSEMBLY

5.1 Practicum Objectives

Contains the objective points of the practicum in that module.

5.2 Assembly Part

Contains a table covering the components of the Big Project product and which tools are used

5.3 Final 3D Product Design

Contains the Final Design of the Big Project Product that has been assembled. Also explains which mates are used when assembling between parts

CHAPTER 6

DRAWING

6.1 Practicum Objectives

Contains the objective points of the practicum in that module.

6.2 Tools in Technical Drawing

Explains which drawing tools are used on the Big Project Product.

6.3 Technical Drawing

Explains the engineering drawing that has been made with American projection and displays dimensions, part list, balloons, and a clear title block.

CHAPTER 7

ANIMATION

7.1 Practicum Objectives

Contains the objective points of the practicum in that module.

7.2 Work Steps

Contains the Animation work steps on the Big Project Product with a duration of at least 30 seconds and at most 2 minutes. The animation video also performs an exploded view to visualize the product parts and a camera view to visualize the position and movement of the product

REFERENCES

TECHNICAL DRAWING'S

ACC SR		
BAB 1	**BAB 2**	**BAB 3**
BAB 4	**BAB 5**	**BAB 6**
BAB 7		

TECHNICAL DRAWING'S

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 heading: Heading 1, Sub chapter: Heading 2, Sub-sub chapter: Heading 3