

CHAPTER 1

INTRODUCTION

1.1. Background

Working performance of an employee in a company will give a direct result to the existence of its company. Working performance itself may influenced by varies factors, internal factors such as behavior, feel, strength and also from external factors like working environment.

Working performance, physical environment, and environmental design will appear after we find out the rhythm of worker itself. Journalism (television) as writers' thesis research source has a dynamic rhythm, which moreover, directly or not, influenced the worker behavior, and definitely will create its own physical environment. Writer might see journalism also as an industry, since there is a value added process, starting from an occasion, things that happen in a society, and end up with the information transfer using television.

Talking about environment will lead us to firstly take a look at the layout and secondly the physical condition of the environment itself and factors supported it. The design of an office layout should take considerations of the function, the peoples' movement within the rooms and their purposes and

activities held in the room, and so for the design of the physical condition should consider the human limitations (temperature, visual, sound level).

According to the users' (employees) of Jogja TV who usually had a direct interaction with the environment, the news room is not satisfied them yet. Based on the questionnaire which distributed among 30 employees, writer already find out that they were hoped for a better environment (both layout and physical condition).

All data from the questionnaire, later on will help the writer to analyze and decide the best and suitable solution (layout and physical condition). Since the area researched was not a factory, a qualitative layout analysis will be taken. Started with the preliminary research for Activity Relationship Chart then continued to transferring the data into the Blocplan (this is the only layout application where we can input the ARC).

1.2. Problem Statements

- a. The existing office layout is not proper to the task and users' needs.
- b. The existing physical condition in the rooms has not yet satisfying the users (warm temperature, lack of lighting, noisy, flat ambient).

1.3. Objectives of the Research

- a. Redesign the office layout.

- b. Redesign the physical condition concerning the ergonomic factors (thermal comfort, lighting level, sound level, color ambience).

1.4. Scope of Research

- a. Research will be held in Jogja TV, PT. Yogyakarta Tugu Televisi, a local television company located in Jalan Wonosari KM 9 Yogyakarta.
- b. The area researched will be focused on the second floor of the main building.
- c. There will be no economic analysis in redesigning the layout since this preliminary research will only provide the layout without any consideration of either material or interior facility.
- e. Office layout redesign will be based on ARC result and will process using Blocplan.
- f. Physical condition redesign will use an ergonomic approach.

1.5. Methodology

1.5.1. Data Gathering

- a. Literature study
Literature study is a process in data gathering by searching information from referenced books, websites, and any other responsible source, and also study more about physical work environment.
- b. Observation
Observation will take directly on field to collect and observe physical data existing in news room, Jogja Tv, Jogjakarta.

c. Questionnaire

Questionnaire fully needed for preliminary research, the questionnaire is paper and pencil based, and will be spread over to approximately 50 responders related to ergonomic factor in physical work environment.

1.5.2. Step of the Research

- a. Observation and literature study.
- b. Stating the problem definition, the background and the objective of the research.
- c. Stating the scope of research.
- d. Collect the data for conducting the research both by spreading out the questionnaire and having the interview.
- e. Result from data collecting are Operation Process Chart, work route and Activity Relationship Chart.
- f. Blocplan analysis which ARC is the input.
- g. Result from Blocplan analysis is some layout alternatives.
- h. Selection process for optimum layout and physical condition considering data stored from step e.
- i. Take the conclusion.

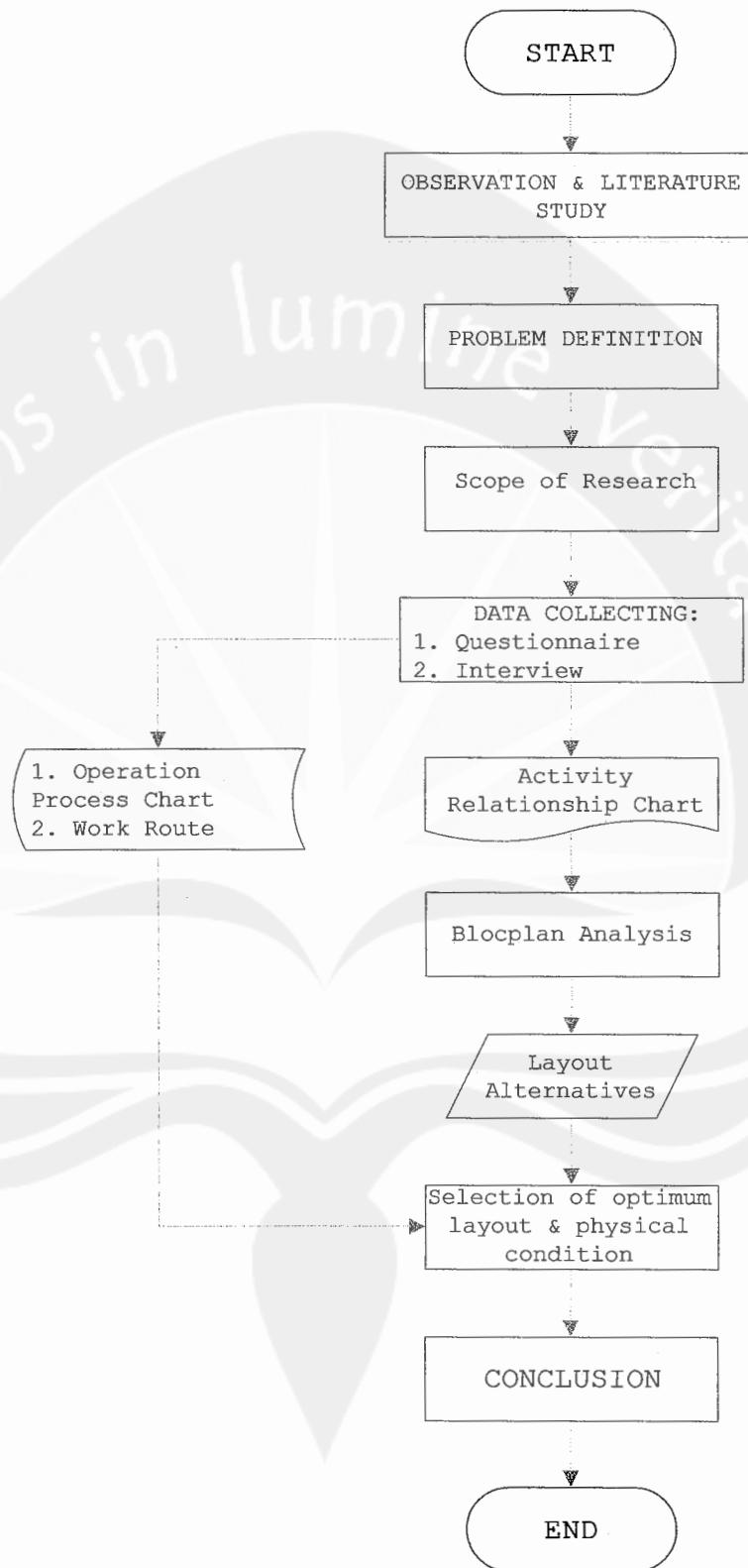


Figure 1.1. Research Methodology

1.6. Report Outline

The report outline of the final report is listed as follow:

a. Chapter 1: Introduction

This chapter contains background, problem definition, objective of the research, problem limitation, research methodology and report outline.

b. Chapter 2: Literature Review

This chapter contains list of earlier research(s) related to the topic. It also contains the differences of the earlier research(s) toward this research.

c. Chapter 3: Theory

This chapter contains theories from books, websites and other sources as the base of analysis.

d. Chapter 4: Company Profile and Data

This chapter contains brief description about the research object and the company.

e. Chapter 5: Data Analysis and Discussion

This chapter contains analysis and discussion from the data.

f. Chapter 6: Conclusion and Suggestion

This chapter contains conclusion from the analysis and discussion. It also contains suggestion for the further research.