

LAPORAN PROJEK TAHUN AKHIR
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STUDY OF WATER MANAGEMENT PROBLEMS
IN
MUDA IRRIGATION SCHEME

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SYNOPSIS

The content of this report focuses on the major water management problems faced in supplying irrigation water for the double cropping of padi in the Muda Irrigation Scheme.

Irrigation water for the scheme comes from three sources, i.e from the storage reservoirs, the uncontrolled flow and the direct rainfall.

Most of the problems are at the distribution, and at the farm level and minor problems also exist within the control and conveyance system.

Water management is an intergrated process, ranging from supply, drainage operation and maintenance to secure maximum crop yield with economic use of water. Thus, it covers very wide scope and aspects.

However this report manages to highlight those problems such as topographical nature of the Muda Area, existing water management facilities and infrastructures, coordination of water management staff and farmers, and the most important is the sociological acceptance of the irrigation development project.

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1.0 INTRODUCTION

The objective of this study is to review the major water management problems encountered in the Muda Irrigation Scheme presently undertaken by the Muda Agriculture Development Authority (MADA).

Extending to the problems identified, various alternatives and solutions are proposed in order to minimize and overcome the problems faced.

The problems are viewed perspectively throughout the entire MADA area which include the major infrastructures such as the storage reservoir, dams, conveyance system and related structures. In other words the study encompasses at the macro-level of the water management aspects. Micro-level study of the problems will require full time attachment to the organization which is beyond the capacity of the student. However, the perspective data of the problems is anticipated sufficient for the improvement of the water management practice.

Water management problems in the Muda Scheme is related to many aspects. It ranges from the topographical features of the area, climatic condition, soil characteristics, design of the irrigation system, agronomic