

MAFCRAN PROJEK TAHUN AKHIR
KURSUS DIPLOMA LANJUTAN KEJURUTERAAN AWAM
KAJIAN KEJURUTERAAN, I.T.M., SHAH ALAM

INVESTIGATION OF IRRIGATION
PROBLEMS IN SABAH

BY

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Preface

This study investigates irrigation problems in Sabah on a whole in general and Penampang area in particular. The findings of problems are in general with the aim of giving a definite solution to that what can be solved. The study involves the availability of irrigation water, improvement to watercourse, water requirements for paddy, soil moisture contents, etc, as well as the water conveyances and water application efficiency with the aim of establishing a comparison of benefits and cost ratio in the project. It also gives the idea of how much percentage increase of benefit can be obtained by improving the conveyance with the aim of saving water. Further the study also reveals how water could be utilized most efficiently and economically by presaturation of the field, but due to lack of data, presaturation condition could not be varified on the selected area, so only theoretical examples have been given. However, the main aim is to save as much water by evaluation and techniques mentioned in detail, not only in the present system but also for the future improvements.

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