

**A STUDY OF DRAINAGE FOR PAKA AND
PAKA- KERTEH INDUSTRIES AREA
TERENGGANU**

by

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ABSTRACT

This is a study on flood mitigation work on Sungai Paka and Sungai Kerteh. As result of development, two problem have arised:

- i. There is a shortage of flood free land.
- ii. Development is taking place on flood-prone land.

The flood discharge with 100 years return period which is generated from Sungai Paka and Sungai Kerteh catchments area are used to evaluate the flood impacts on the study area.

This study identifies the critical locations and hence decide on the best alternative planning and design to solve this problem.

CHAPTER ONE

INTRODUCTION

1.1 BACKGROUND (1)

Paka and Kerteh townships, as shown in Figure 1.1, lie in between two major growths urban centres viz, Dungun and Chukai respectively being the area undergoing rapid development in the southern part of Terengganu. Dungun that is situated in northern part of the study area, has been identified as the second largest town, after Kuala Terengganu, and currently indicated evidences of substantial development pressure up to northern and southern part of Dungun town area. Chukai township serves as the administrative centre of Kemaman district and is being rapidly developed an achievement attributable to the high rate of growth of oil and gas and other related industries especially in petroleum and steel production.

Despite being surrounded by an environment conducive to its development, the area is currently facing a setback arising mainly from lack of integrated drainage master plan to cater for its rapid development. As a result of this setback currently incidences of flash flooding and water logging have become major prevalent problem effecting