

TITLE

A STUDY OF ALPHA-SET PROCESS AND PROPOSED SAND RECLAMATION
SYSTEM IN MALAYSIA

A PROJECT REPORT PRESENTED IN PARTIAL FULFILLMENT OF THE
REQUIREMENT FOR THE AWARD OF ADVANCED DIPLOMA IN MECHANICAL
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PREFACE

This project is to study about the series of operations which the bonded sand is submitted after mould breakdown. The operation that we called it sand reclamation system is functioning to reconditions the sand for its possible use.

Why need to reclaim? It is because of legislative regulation are increasingly restrictive a landfill disposal, sand is finite resources and reclaimed sand can be of a higher quality than new sand.

After knowing in sand reclamation, we come out with the concept design including problem analysis, assessment of the problem, evaluating the alternatives and finally with the proposed method of sand reclamation in Malaysia. The proposed method is based on environmental consideration, effectiveness and economic view.

For control the sand reclamation plant, we suggest a few testing method to make sure that the proposed plant will produce a very high quality reclaimed sand. The testing must always be on schedule.

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