

FINAL YEAR PROJECT REPORT
ADVANCE DIPLOMA IN CIVIL ENGINEERING
DEPARTMENT OF ENGINEERING
MARA INSTITUTE OF TECHNOLOGY
SHAH ALAM

**TO STUDY THE EFFECT OF ADVERSE CLIMATIC
CONDITION (RAINFALL) ON BUILDING CONSTRUCTION SITE.**

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SYNOPSIS

This research constitutes an observation and questionnaires to know how were the working condition in the construction processes during the different intensity of rainfall (ie. drizzling, moderate, heavy rain).

In our country, besides other reason, rainfall was one of the major effect to delay the completion of the project. In order to reduce this problems, certain reasonable recommendations will be provide so this can encourage the people who were concern to the project to change certain part of design of the building or change their construction management planning.

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CHAPTER 1

INTRODUCTION

Adverse climatic condition, which in this study gave concentration only to rainfall on the construction site which may effect the activities as scheduled. The rainfall may cause the delay of the completion of the project and the duration was unpredictable. Rainfall may effect many work processes in the construction site both in major and minor processes.

To know the processes that may effect the delay, there need to have a large data base containing information from numbers of projects which constructed under the same weather condition but different places.

The need to give recommendations of how to reduce the delay during the rainy days were very usefull to the people who were related to the project, especially to the owners who have the urgent projects, to the contractors and sub contractor, so that they may gain more profit due to less delay.

Although that delay due to rainfall will not be claimed by the consultants to the contractors when the pro-