

STUDY ON THE NON DESTRUCTIVE TESTING OF CONCRETE AND PILE LOADING TESTS AT SITE

Prepared by: June Lim Mei Yan

ABSTRACT

In this project paper, the NDT is only covering the testing methods for concrete and pile loading on site. The studies also cover the effectiveness and limitation of the testing equipments. Explanations of mechanism of getting result are beyond my studies. I will include the operating manual of the instrument provided availability of manual from the manufacturer. The report will be divided into 2 parts which NDT testing for concrete and followed by pile load testing. The criteria of the explanation will be based on following points:

- i. Various methods of non-destructive testing for concrete and pile loading on site.
- ii. The explanation on basic concept of the methods
- iii. The overall view of the equipment used in this project research
- iv. Application of the testing methods and equipments
- v. Advantages of the testing methods and equipments
- vi. Limitation of the testing equipments.