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STRUCTURE STRENGTHENING TEST

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**PRACTICAL TRAINING REPORT
MARCH – JULY 2018**

DECLARATION:

I hereby admit that this report is the result of my own efforts, except for the certain parts that are attached from sources that specified in reference chapter.

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ACKNOWLEDGEMENT

Alhamdulillah, I thank the Almighty Allah for protecting us from the harmful and unwanted accidents or incidents during the industrial training, for life, for pretty much the same reason.

I also take this opportunity to express a deep sense of gratitude to a group of amazing individuals. Mohd Shah Bin Rahmat, Mohd Faizuldin Bin Simin and all the staffs of Qul Corporation Sdn. Bhd. for their extraordinary support, valuable information and guidance, which helped me in completing this task through various stages and situation.

Thank you to my lovely parents for supporting me in hardship, morally and in finance. My dear supervising lecturer, Madam Nur Fadhilah Bahardin and all the UiTM lecturers, like all really nice people, you have given kindness and tolerance for your student begging and apologizes, and feel that people deserves a second chance. So after all that you have done for me, the least that I can do for you is to write you one. Here it is an extra-large thank you with more gratitude and affection than I can well put down here.

Finally, special thanks goes to my classmate who help me to assemble the parts and gave suggestion about this report. Last but not least, I have to appreciate the guidance given by them as well as the panels especially in this report that has improved my working skills and supportive comment and advices

Thank you so much.

ABSTRACT

Sustained load test up was carried out on two slab positions in a data centre room and Bangunan Sultan Ibrahim, Johor Bahru, Johor. The test was carried out by the request of the client due to the installation of a new air-conditioning system weighing approximately 30 kg per unit. The work was appointed by Perantara Trading, Johor. Loading was sustained for 24 hours and during the test, deflection was recorded for every 15 minutes using a data logger. The findings shows that the deflection was within the allowable limit as referred to the Code of Practice. However, close visual inspection found the “beam and block” system was used in the construction of the slab since the early years of the building service life. Further discussion on the test results are given in this report.

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