



**DEPARTMENT OF BUILDING SURVEYING  
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**THE RELATION BETWEEN MAINTENANCE AND SAFETY  
OF TOWER CRANE ON CONSTRUCTION SITE**

**This academic project is submitted in partial fulfillment of the  
requirement for the Bachelor Of Building Surveying (Hons.)**

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## ABSTRACT

Nowadays, many constructions in Malaysia used a tower crane at construction site. In our highly mechanized world, tower cranes are workhorses that have increased productivity in construction and in the maintenance of production and service facilities. Statistic show, however, that because of inherent hazards which occur during normal working circumstances, a tower crane can be a dangerous piece of equipment. The most accidents occur because none proper maintenance of tower crane. This factor can make unsafe at construction site during work.

This research is divided into 6 chapters. In Chapter 1 includes the introduction of the dissertation. Chapter 2 is about introduction to the tower crane includes definition, operation, maintenance and safety aspect of tower crane. The related with the Department of Occupational Safety and Health (DOSH) to handle the tower crane operation and legal aspect explained in Chapter 3 while Chapter 4 explain about case study that

carries out at expected area. Subsequent to this is Chapter 5 includes the findings analysis based on case studies and questionnaires that given the selected respondents. Conclusion and recommendations of this research are explained in Chapter 6.

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