

**PERPUSTAKAAN
FAKULTI ALAM BINA**



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**PENYENGGARAAN TERHADAP SISTEM PENCEGAH KEBAKARAN DI
BANGUNAN KILANG**

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**Laporan projek ini dikemukakan
sebagai memenuhi sebahagian daripada
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ABSTRACT

The fire fighting system is a building services system that most important to prevent and protect the building and all occupants of building including factory building. To guarantee its continuity safety, effective maintenance should be practiced in order to ensure the possible breakdowns of system can be avoided and *free from destructive burning danger*. *The research was to identify what are the ways or method of maintenance being practiced towards fire fighting system at factory building and also to identify the comparison of ways or method of maintenance towards fire fighting system at factory building. 10 factories in Johor Bahru area were selected as research samples. Questionnaires and structured interview were distributed to the person in charged in maintenance works at factory building. Data compiled were analyzed using Likert Scale and Descriptive Statistic method in the form of frequency and percentage. It has been found that the way of maintenance fire fighting system at all factories building by implement their maintenance works on monthly towards all elements for each types of fire fighting system. Whereas to identify the comparison of ways or method of maintenance towards fire fighting system at factory building, the research considered the fire fighting system that only has at all the factories sample such as Portable Fire Extinguisher System, Hose Reel System, Automatic Fire Alarm System, Fire Hydrant System, Dry & Wet Riser System and Sprinklers System. The result of comparison shows all these systems were maintained on monthly. This matter show no conspicuous differences or comparison implementation by all factories building in doing maintenance works of fire fighting systems at their premises.*

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The fire fighting system is a building services system that most important to prevent and protect the building and all occupants of building including factory building. To guarantee its continuity safety, effective maintenance should be practiced in order to ensure the possible breakdowns of system can be avoided and free from destructive burning danger. The research was to identify what are the ways or method of maintenance being practiced towards fire fighting system at factory building and also to identify the comparison of ways or method of maintenance towards fire fighting system at factory building. 10 factories in Johor Bahru area were selected as research samples. Questionnaires and structured interview were distributed to the person in charged in maintenance works at factory building. Data compiled were analyzed using Likert Scale and Descriptive Statistic method in the form of frequency and percentage. It has been found that the way of maintenance fire fighting system at all factories building by implement their maintenance works on monthly towards all elements for each types of fire fighting system. Whereas to identify the comparison of ways or method of maintenance towards fire fighting system at factory building, the research considered the fire fighting system that only has at all the factories sample such as Portable Fire Extinguisher System, Hose Reel System, Automatic Fire Alarm System, Fire Hydrant System, Dry & Wet Riser System and Sprinklers System. The result of comparison shows all these systems were maintained on monthly. This matter show no conspicuous differences or comparison implementation by all factories building in doing maintenance works of fire fighting systems at their premises.