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SAFETY PRACTICE TOWARDS ZERO ACCIDENT AT CONSTRUCTION SITE

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ABSTRACT

Good safety practice ensures the construction will be running smoothly without any unwanted accidents. For safety practice in construction site, the safety practices are crucial since the construction site is exposed to danger. In the construction site, accidents occur usually can causes the fatalities, permanent disabilities, and non-permanent disability to the victim. This accident can be avoided from continuously occur. That means an accidents during construction at the construction site due to the mistake can be controlled and reducing from time to time. The worker needs to follow the rules and regulation in construction to reduce the hazard. This research is conducted to study the safety practice towards zero accident at construction site. To achieve the objective in this research, researcher is able to produce three objectives which are to study the safety on site, to determine the safety practice used in construction site and to give recommendation on safety practices at construction site. Questionnaires were distributed to the worker at construction site. The results from the data analysis shows that safety practices used in the construction industry is need to be improved in order to reduce the accidents.

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CHAPTER 1: SAFETY PRACTICE TOWARDS ZERO ACCIDENT AT CONSTRUCTION SITE.

1.1 Research Background

In the field of architecture and civil engineering, construction is the process which is consists of building and installation of infrastructure. Generally, Construction was separated into four types which are residential building construction, industrial construction, commercial building construction and heavy civil construction.

Construction work are includes site preparation and outside construction of fixed structures or facilities such as sidewalks, highways and streets, parking lots, utility connections, outdoor lighting, railroad tracks, airfields, piers, wharves and docks, telephone lines, radio and television towers, water supply lines, sewers, water and signal towers, electric light and power distribution and transmission lines, petroleum and gas pipelines, and similar facilities that are built into or fixed to the land.

Construction industries are importance in any state for the development of cities, residences, industries and community. It is the way of carrying out the design that created by engineers or architect. The effect from the construction industries is it makes for the public grow.

Buildings and offices are need by business owner for work, people needs home to live in and schools are need for children to attend for study. So, the construction worker must take the responsibilities to make sure the buildings that offer are safe and protective.

In other way, the site safety supervisor (SSS) must take the responsibility to make sure the safety of the worker during construction. Due to the Occupational Safety and Health Administration (OSHA), this industry is the high risk industry because of the dangerous activities that involved such as the operation of heavy machinery, working at height and expose to chemical.