

ABSTRACTION

Occupational safety and health is a part of a company which support its efectivity and efficiency. The background of occupational safety and health is Regulation No. 1 Year 1970 completed/ followed by its implementation rules Minister of Labor Regulation Number PER.05/MEN/1996 at 12 December 1996 About Occupational Safety and Health Management System. In addition to fulfil the requirement of regulations, company should fulfil a standard which voluntary. In this case standars made by United State of America Departement of Labor known as *Occupational Safety and Health Administration (OSHA)*.

This research aimed to find out electrical risks caused by there is no safety and health guidelines at IT Telkom Laboratories. In addition, this research aimed to identified ideal occupational safety and health guidelines and need to achieved by company based on OSHA standard in *Electrical Environment*. Expected output from this research is an occupational safety and health guidelines which represented OSHA and applicable to the company.

This research using OSHA standards as reference ini designing occupational safety and health guidelines in electrical. Electrical listed in OSHA Subpart S 1910.301-1910.308 also 1910.331-1910.335. To find out about knowledge and awareness level about occupational safety and health, questionare method used in data collection process. While field observation method used to find out about electrical current of equipment and in system. Literature study used to gathered about OSHA standards. After all data have been collected, analysis and designing process can be done.

Result of this research are : at IT Telkom there is no occupational safety and health guidelines especially in electrical; every laboratory has it own risk potential and need its own inspection; there are several thing that must be consider ini occupational safety and health inspection, such as : equipment voltage, equipment current, equipment wattage, quantity of equipment and its conformance to OSHA standards.

Keyword : Occupational Safety and Health, *Electrical Environment*, OSHA