

ABSTRACT

PDAM Tirta Mangutama is an institution under the Government of Badung regency which in charge of providing water service to the wider community in Badung region, Bali. The company has implemented occupational health and safety by providing PPE (personal protective equipment) without appropriate management system so that there's still a work accident that occurred in this company. In this research, procedures to reduce workplace accidents that occur at PDAM Tirta Mangutama will be designed, based on integration of OHSAS 18001: 2007 requirements and Government Regulation No. 50, 2012. This design is using HIRARC method, i.e a method that identify hazards, assess potential risks that incurred and then determined how to control it.

The controls needed will be made in accordance to the integration of OHSAS 18001: 2007 requirements and Government Regulation No. 50, 2012, to fulfill the requirements of OHSAS 18001: 2007 that the company must implement and make procedures related with management system of health and safety. This was done after conducting an analysis of the activities that have a high hazard potential along with its requirements. The next phase is the verification phase prior to the company whether the procedure is appropriate and capable of reducing the number of workplace accidents. Results of this research is the design of procedures related to and communication procedures, participation and consultation.

Keywords: HIRARC, OHSAS 18001: 2007, Procedures, Accident and Health at Work