

## **ABSTRACT**

PT. Beton Elemindo Perkasa (BEP) is one of several manufacturing companies in the region where processed various kinds of concrete that is officially established on 5 february 1990 .The products produced in the form of precast floor Hollow Core Slab (HCS), Hollow Core Wall (HCW), Half Slab, Mini Pile, Facade, Ladder Precast, Eco Precast Wall Panels, Ecolite panels, Precast Concrete Fences, Kanstein and special orders precast concrete.In the last two years, which in 2013 and 2014 there is a record of high work accidents. Given also the current PT. BEP has not implemented the Health and Safety System Management (SMK3) in accordance with the requirements of OHSAS 18001: 2007, but has sought to implement within the next few years. therefore it is necessary to design appropriate controls with existing risk hazard that workplace accidents and the risk of accidents that may occur can be minimized. Control design process is done using the approach HIRARC method, in which there are three main stages: stage hazard identification, risk assessment and risk control have been assessed. Control is carried out based on the analysis of integration requirements of OHSAS 18001: 2007 especially clauses 4.4.7 and 4.5.3 with the PP number 50 of 2012 which is adapted to the high hierarchy of control in order to minimize the risk of working on PT. BEP which can also be taken into consideration in the context of preparing SMK3 in PT. BEP.

***Keywords: K3, SMK3, HIRARC, OHSAS 18001: 2007, Government Regulation***