

## **ABSTRACT**

*PT. Elemenindo Beton Perkasa is one of the manufacturing company engaged in the manufacture of concrete in a modern building. In conducting its operational activities of PT. Elemenindo Beton Perkasa supported by more than 100 workers who interact directly with machines and other work equipment. Heavy machinery and dangerous work equipment allows the emergence of potential Hazards and risks of accidents. Accidents that occur in the PT. Beton Perkasa Elemenindo very volatile with varied types of injuries.*

*Control measures undertaken so far only company to provide Personal Protective Equipment (PPE) not supported by management systems that support the occupational health and safety related. So that the associated safety management system is very important to be applied in PT. Elemenindo Beton Perkasa, therefore companies need to implement a Safety Management System and Occupational Health. The first step in doing SMK3 is to identify accidents that occur and perform control.*

*Identification is done in the present study with HIRARC method. HIRARC is a combination of Hazard identification, risk assessment and risk control is a method of preventing or minimizing accidents. Proposed to be awarded researchers will make a proposal for controlling accidents that refers to the OHSAS 18001: 2007 is integrated with related government regulations SMK3.*

*Keywords: HIRARC, Hazard identification, risk assessment, risk control, OHSAS 18001: 2007*