

## ABSTRACT

*Komar Batik House is one of company which focusing on production of Indonesian batik fabric. Activities to produce batik fabric are wax making, stamp tool making , waxing of stamp batik, waxing of written batik, colorization and fabric pelorodan. Komar Batik House attempt to apply occupational health and safety (K3) by providing safety equipment such as gloves, mask, and boots. In addition, company also provides lightweight fire extinguishers, smoking ban in working area and first aid box. However, the application of K3 is have not formally conducted that may causes several accident for worker such as heat exposed of gondorukem, hot liquid wax splashing, and scratch from sharp working tool. Based on existing problem, this research is focused to make proposed design of standard operating procedure related to occupational health and safety in Komar Batik House based on requirement from OHSAS 18001:2007 and government regulations No.50 year of 2012.*

*A Method that is used is HIRARC (Hazard Identification, Risk Assessment, and Risk Control) method. HIRARC method is used by identifying potential risk and danger that happens in production department in Komar Batik House. Afterwards, assessments is conducted toward potential risk and danger to determine the highest value to do controlling that is adjusted with integrated requirement between OHSAS 18001:2007 with PP No. 50 year of 2012.*

*On the stage of data collection, there are 124 potential risk and danger that will happen in Komar Batik House. Result from integrated requirement that already adjusted with activity analysis using HIRARC shows that written procedure and protective equipment are required to minimizing every potential risk and danger that will happen in each activity.*

**Keywords : Komar Batik House, HIRARC, OHSAS 18001:2007, Government Regulation No. 50 year of 2012, SOP, Working Instructions**