

ABSTRACT

PT.South Pacific Viscose is a chemical company that produces fiber fiber as the main product with a capacity of 200,000 tons per year. In producing PT.South Pacific Viscose fibers also produce sulfuric acid (H_2SO_4) are in use in the process of spinning of viscose solution. H_2SO_4 -making process begins with the burning of sulfur to SO_3 gas absorption. each process, the possibility of accidents and irregularities can but the accident could have been avoided or prevented in advance with the identification of each work process.

In this study, Hazid, Hazops method is used to identify deviations that may lead to SAPP danger to plant especially in sub-process sulfur furnace and Convert and Final absorbtion. After identification will rank level dangers of using Risk Assessment.

From the results of hazard identification and hazard level of rank generated one possible dangers to the value of $RAC = 1$ and seven chances with $RAC = 2$. Hazard The most common is the explosion and fire at the plant SAPP. Recommendation that can be given is meticulous each process has the highest level of danger, and if encouraged to do stop all process when deviations occur.

Keywords: Hazid, Hazops, Risk Assessment, Hazard identification, Sulfuric Acid