ABSTRACT

PT. Petrokimia Gresik uses and generates hazardous chemicals and using high-tech equipment and machinery. In the production process has a high potential hazard if not properly managed. Accident rate at the PT. Petrokimia Gresik in 2006 that is 43 cases, in 2007 accidents dropped to 42 cases, while in 2008 the accident rose to 49 cases of accidents. The domino theory states that, lack of control from management is the main cause of accidents. So it is required to prevent an accident is not only technically but also in terms of management. Therefore, companies need to conduct evaluation on the implementation of K3 to find out the deficiencies of the management.

In this research, evaluate the application of K3 using the International Safety Rating System (ISRS). This evaluation is done by evaluating the 20 elements of ISRs to measure achievement in the implementation of Production Unit K3 III PT. Petrokimia Gresik. After conducting the assessment, summarizes the values and calculations performed on the percentage of each element. Then do the analysis based on the achievement of each element.

From data processing and data analysis has been done concluded that the level of achievement of the implementation of K3 using ISRS are on level 9 of the 10 levels of achievement of ISRS. Highest achievement obtained in the Personal Protective Equipment elements with percentage of 95,19% achievement. While the achievements obtained at the lowest elements of the Observation Task attainment percentage 24,24%. Based on these conclusions there are some things that need to be done to improve the implementation of K3, namely identifying and evaluating the program necessary K3, K3 implement programs that have been made according to plan, record or document the work program that has been done, reported that the work program has been implemented to management related, and reviewing every program of the K3 has been done periodically.

Keywords: International Safety Rating System (ISRS)