SAFETY CLIMATE EVALUATION IN INDONESIAN SHIP BUILDING INDUSTRIES

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Abstract

Safety culture is important but often neglected concept. Recently, the awareness about safety culture concept has increased, especially in high risk industries. Unfortunately, safety researches in Indonesia are mostly focused on technical approaches. There is lack of cultural approach done. On the other hand, cultural factor will have a great impact towards safety level between industries, since when performing their job, people always interact each other in their organization. They share their safety perception together, and it forms the culture related to safety in their organization. How people perceive regarding safety in their company determines the safety performance in that company. Therefore, safety culture concept is very important to be considered further.

In this final project, safety culture is assessed by using questionnaire, interview, and observation in two ship building companies named PT Dok dan Perkapalan Surabaya (PT DPS) and PT Dumas Tanjung Perak Shipyard. The result showed that based on the questionnaire, both company has good safety climate which level is more than 2.5. The problem based on triangulation for all methods found that there is not good safety climate level happened related to the workers’ safety priority and risk non acceptance in both companies. Therefore the root cause of the problem is then identified and found 2 root causes in PT DPS. The root causes are management has less consideration related to safety and management has less ability to make the
simple but effective safety rules. While in PT Dumas found two root causes. The root causes are there is no commitment to make reward and punishment system from the management and management has less consideration related to safety matter. Therefore, some recommendations as improvement plans are then generated. For PT DPS, the recommendations are management should increase their safety consideration and the simplicity in designing safety rule. While for PT Dumas, the recommendations are the reward and punishment system that should be run and management should increase their safety consideration more.

**Keywords:** Occupational Health and Safety, Safety Culture, Safety Climate, Ship Building, Problem Solving.