

## Studi kecelakaan kerja dengan menggunakan metoda fault tree analysis bagian produksi PT. Bridgestone Tire Indonesia Bekasi tahun 2002

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### Abstrak

Employees as human resources play an important role in pacify and expand a production process. They carry out a necessary working activity that in some cases are exposed by the risk of dangerous situation. Occupation accident in an industry, especially in a manufacturing company constitute as undesired evidence. Labor protection principle in occupational accident not only evaluate a potential risk of danger but also find out the cause of emergence. This thesis emphasizes on the cause factors of accident that might suddenly happen in preceding to the working activity. This study would be explored in the production unit of Bridgestone Tire Indonesia. It uses the Fault Tree Analysis Method with a qualitative research. The result of this research shows that the occupation accident occurring in that company has various types following Heinrich theories that the cause of accident are due to fail of carefulness during working activities and unsafe working conditions. To pay attention on the statistics of accident, based on the yearly report, the evidence has increased about 72,7% from 1999 to 2001, at the time patrol safety clothes, the figure fluctuate. That research only focus on flow think or flow chart for unsafe acts and unsafe conditions with secundair data result in fact with field in Fault tree analysis. From the data field result unsafe condition caused of operation machine, materiil conditions and environment condition. Accupation accident from operation machine caused of operation didn't follow on procedures, abnorm condition and didn't connect. Abnorm conditions may be caused of requirement function unprotect, trouble machine or lable in machine can't understand because Kanji letters. On trouble may be caused of didn't function of emergency stop, rope emergency can't caught, trouble operator to find manual stop or less of requirement gived. Environment conditions may be floor not smooth, unbalance cleaning service, not keep on Healhty or narrow office in work, in unsafe acts caused of operator working unfollowed with standard and machine abnorm condition. Operator working unfollowed with standard caused of neglected on working, work without safety clothes, work in machine operation, work withough requirement protect, and hurry working, work unsafe body position, work trouble, unsafe requirement. Work without safety clothe s caused of safety clothes broken, unwilling safety clothes, safety clothes unrelative give, working with safety clothes unpleasant or safety clothes not enough stock. In hurry working caused of in hurry finish or in hurry order target. Trouble working caused of don't know risk or low educated. Hopefully this thesis could contribute to decrease the figure of accident in the manufacturing companies. Bibliography : 35 ( 1980-2000)