ABSTRACT

Ergonomic Conditions, Occupational Health and Safety (OHS) at one particular industry determine the goodness not its performance work in the industry. Somebody ability very base on merger from personal characteristic, physiological capacities, psychological and also biomechanical owned. While activity conducted to be depend on duty, organizational and environment which must be faced.

Work Station in PT.ATAK Otomotif Indometal is a semi-automatic work station. Company which is located in Ngingas, Waru – Sidoarjo. This company less pay attention to the ergonomic and (OHS) in designing its job station. This matter can influence the work productivity operator.

See the job condition, therefore analysis of ergonomic and (OHS) had been conducted and also a scheme to redesign the work station of Power Punch machine. Analysis conducted pay attention to various factor that is anthropometry body, biomechanical, physiological performance, operator subjectivity use to analyze the pain suffered by operator, as well as paying attention to environmental influence like noise and illumination at work station from the Power Punch machine. Afterwards comparison between early condition and the result condition from redesign is being done.

From result of comparison study between early condition and after repair condition, can be said that condition after redesign have better condition than early. This matter because in work station scheme the Power Punch machine is adapted by anthropometry of operator body with the device of job chair using principles ergonomic. So that energy required by an operator become smaller and lessen to feel the pain griped by operator at the time of working.

Keywords : Ergonomic, Occupational Health and Safety, biomechanical, physiological performance, operator subjectivity.