

## ABSTRACT

*Thermal comfortability on working station should to be an attended term, because at the comfortable working station environment, employees could perform well on their working activity. These to be attention of PT Mitra Rekatama Mandiri which run foundry business located at Ceper, Klaten Regency. Based on survey and interview that were done, partially for working station 1 on machine engineering examined some of employess were feeling less comfortable when did their job. Stiflingly hot and stuffy have still experienced on that working station. Founded on temperature research at working station showed that temperature has still been high on 32,9<sup>0</sup>C. It would be impacted on higer employee's dissatisfaction level, thus could be affected on decreasing employee's productivity.*

*The first step to overcome these problem was knowing what level of employee's thermal comfortability scale toward working station. This study used Predicted Mean Vote (PMV) method, and employee's dissatisfaction level has been counted by Predicted Percentage of Dissatisfied (PPD) method. After both analysis have been done, were suggested improvement of nature or semi syntethic air ventilation on working station.*

*Result of this research explained as follow: employee's comfortabilityscale of working station 1 on average was +1,2 while employee's mid-warm comfortability scale and dissatisfaction on working station as much as 35,4%. Whereas the most effective overcoming problem were improvement of nature air ventilation which possessed 4 window sets with 8 slots.*

**Key word:** *Thermal comfortability, Predicted Mean Vote (PMV) and Predicted Percentage of Dissatisfied (PPD) , Research result*