

## OCCUPATIONAL HEALTH RISK ASSESSMENT IN AIRCRAFT MAINTENANCE PT. GMF AEROASIA TBK

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### Abstract

**Background:** Occupational Health Risk Assessment (OHRA) is an instrument to determine Occupational Health Risks by conducting hazard identification, exposure assessment, risk assessment, risk management and documentation. PT GMF AEROASIA has a variety of hazards as well as having a high enough exposure so that the health risk assessment needs to be done. The purpose of this study was to determine the description of work activities, identify potential hazards, exposure level, and to determine the health risks that may arise, and to determine the control priority based on the Risk Manageability Matrix. **Method:** This study used descriptive survey approach utilizing Walk Through Survey, sampling and measurement of exposures to occupational health hazards in the form of physical, chemical, biological, ergonomics and psychosocial. Results were analyzed and reported using matrices of Hazard Rating, Exposure Rating, and Risk Rating. Risk Manageability Matrix was then constructed to determine the management priority of the high and medium rating hazards. **Result:** This study found occupational health hazards in the high risk category were food sanitation and ergonomic. On the medium risk category were Noise, vibration and psychosocial while exposure to chemical hazards such as Methyl Ethyl Ketone and Ethyl benzene were low category. **Conclusion:** It was concluded that high risk category of occupational health hazards at PT GMF AEROASIA were Food Sanitation and Ergonomic, while on the medium scale were noise, vibration and psychosocial. It was therefore recommended that PT. GMF AEROASIA address these identified occupational health risks.

*Keyword: Health Risk Assessment (HRA), Potensial Health Hazard in Workshop, Food Sanitation and Ergonomic*

