

## **ABSTRACT**

*The growth of population growth and infrastructure development has affected the amount of waste entering the Wukirsari Baleharjo landfill. This study aims to evaluate the existing conditions of waste management at the TPA Wukirsari Baleharjo and evaluate the management of the TPA Wukirsari Baleharjo using 2 methods, namely, the IRBA (Integrated Risk Based Approach) Method and the Risk Assessment Method. Risk Index Analysis (RI) with the IRBA method can be calculated using a formula while the risk assessment method is analyzed with qualitative and semi-quantitative methods. Value of the evaluation results using the IRBA (Integrated Risk Based Approach) method that is 380.6. This means that the Wukirsari Baleharjo landfill shows a low level of hazard evaluation, where the Wukirsari Baleharjo landfill is recommended to rehabilitate landfills / waste into gradually sustainable landfill. The average value obtained from the evaluation results using the Environmental Risk Assessment method with 6 categories is 1.8. It means that the management of Wukirsari Baleharjo landfill facilities and infrastructure is classified as low risk with the management of landfill which is still quite routine and good..*

*Key words: Wukirsari Baleharjo landfill, evaluation, waste*

## **ABSTRAK**

Berkembangnya laju pertumbuhan penduduk dan pembangunan infrastruktur sehingga mempengaruhi jumlah sampah yang masuk ke TPA Wukirsari Baleharjo. Penelitian ini bertujuan untuk mengevaluasi kondisi eksisting pengelolaan sampah di TPA Wukirsari Baleharjo serta mengevaluasi pengelolaan TPA Wukirsari Baleharjo menggunakan 2 metode yaitu, Metode IRBA (*Integrated Risk Based Approach*) dan Metode Penilaian Risiko. Analisis Indeks Risiko (Risk Index/RI) dengan metode IRBA dapat dihitung dengan menggunakan rumus sedangkan metode penilaian risiko dianalisis dengan metode kualitatif dan semi kuantitatif. Nilai hasil evaluasi menggunakan metode IRBA (*Integrated Risk Based Approach*) yaitu 380,6. Artinya TPA Wukirsari Baleharjo terindikasi evaluasi bahaya tingkat rendah, dimana TPA Wukirsari Baleharjo disarankan untuk merehabilitasi tempat pembuangan limbah/sampah menjadi lahan TPA yang berkelanjutan secara bertahap. Nilai rata-rata yang diperoleh dari hasil evaluasi menggunakan metode Penilaian Risiko Lingkungan dengan 6 kategori yaitu 1.8. Artinya pengelolaan sarana dan prasarana TPA Wukirsari Baleharjo tergolong risiko rendah dengan pengelolaan TPA masih tergolong rutin dan baik

Kata Kunci : TPA Wukirsari Baleharjo, evaluasi, sampah