

THE CONCEPT OF INFORMATION SYSTEM BASED  
URBAN SOLID WASTE MANAGEMENT  
WITH ZERO WASTE VISION

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**Abstract**

*Metropolitan Cities in Indonesia have waste problems since recent years. Although the waste problems become more potential than before, Waste management is still not developed. That fact shows us the failure of Actual Urban Environmental Management, especially for solid waste. This problem needs to be taken into account because it can cause next bigger problems like destroying aesthetics of the city or cause any disasters that kill numbers of people. There is a miss in solid waste management. The wrong orientation and operational of management are not corrected. For that reason, the environmental performances of a city decline. Solid waste management here needs innovations. By considering that Solid Waste Management is a type of Environmental Management, a type of service activities, and must concern the principle of sustainable development, this research conceptualizes Solid Waste Management based on Information Systems with Zero waste Vision which meets standards of ISO 14001. The Concept is an elementary business process described in Use Case Unified Modelling Language (UML) Diagram.*

**Keyword: Solid Waste Management, Information Systems, Zero Waste Vision**