

Company Profile



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SUSTAINABLE WASTE INDONESIA

PT. SENDANG BUMI WASTAMA

Promoting a sustainable waste management and resource efficiency in Indonesia

SWI is an Indonesian company established in Jakarta, February 2014, dedicated to bridge the global waste management today with Indonesia challenge and context as well as to promote local / indigenous knowledge and best practice.

We underline the importance of paradigm shifting in Indonesia towards sustainable service delivery, 3R principles, and partnership of community – government – private sector.

That includes transformation of regulatory framework, financing scheme, program approaches, and even behavior change towards sustainable production and consumption.

SWI is member of Indonesia Solid Waste Association (InSWA)

OUR FIELD

Policy, Strategy and Masterplanning
Recycling and Waste Minimization
Collection and Transportation
Waste to Energy
Biological Treatment
Landfill and Safe Disposal
Communication and Community Based Initiative
Climate Change and Waste Management

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OUR SERVICE

Research and Development

To provide structured surveys, data analysis and reviews, as well as publication, software application, and useful toolkit for decision making on waste management and resource efficiency issues.

Technical Assistance

To develop or improve integrated system of waste management, feasibility studies, assessment and audit, engineering design, construction management, monitoring evaluation, and customized training support

CONTACT PERSON

Mohammad Helmy (Founder/Commissioner)
Dini Trisyanti (Founder/Director)
Djoko Heru Martono (Senior Expert)

Sendang Wastama

Sendang (Javanese) is water spring, a symbol of sustainable life on earth. Wastama (waste-utama) implies that waste is a primary aspect of quality of life



PAST AND CURRENT PROJECTS

SWI Publication:

JALAN TERJAL BERSIHKAN NEGERI

ISBN No : 978-602-71-1790-7

A semi scientific contemporary book of 180 pages containing overview of Indonesia solid waste management and 12 success stories of community based and institutional based solid waste management. This publication is also equipped with software of waste minimization calculator: a tool to estimate cost and benefit of different scenarios of waste minimization.

Project:

TRIAL AND ANALYSIS ON MANUAL SORTING OF FLEXIBLE PLASTIC IN LANDFILL

Field and implementation trial on manual sorting of specific waste material called flexible plastic. The research also combined with analysis of different scenarios and dynamics involving landfill operator, scavengers, and poolers. In collaboration with PT. Unilever Indonesia and PT. Sumber Organik.

Project:

HIGH RISE BUILDING WASTE MANAGEMENT DESIGN DEVELOPMENT

Waste characteristic assessment, operational scenarios development, institutional arrangement set up, and financing plan of waste management in high rise building. This design includes participatory approach of how to engage waste bank and the worker in waste reduction program. In collaboration with PT. Unilever Indonesia.

Program:

POLICY FORMULATION FOR MUNICIPAL SOLID WASTE MANAGEMENT IN INDONESIA

Development of academic draft and legal draft for Government Regulation regarding Specific Waste, Presidential Decree regarding Policy and Strategies for Waste Management, Ministerial Decree regarding Leachate Standards, and Ministerial Decree regarding Extended Producer Responsibility. In collaboration with Japan International Cooperation Agency (JICA) and Ministry of Environment and Forestry.

Project:

CAPACITY BUILDING TOOLKIT DEVELOPMENT

Development and adoption of training series modules and implementation plan for city based mitigation action of Green House Gas (GHG) reduction in waste sector. In collaboration with German Cooperation Agency (GIZ), Indonesia Solid Waste Association (InSWA), and Greeneration Indonesia.

Project:

WASTE UTILIZATION GUIDELINE AS REFUSED DERIVED FUEL (RDF) FOR CEMENT INDUSTRY

Supervisory and technical assistance for development of academic paper as well as legal draft of guideline of waste utilization as RDF in cement industry. The technical assistance include discussion with related ministries, international agency, as well as industry association. In collaboration with PT. Indocement Tunggul Prakarsa, Ministry of Environment and Forestry

Project:

SURVEY OF WASTE COMPOSITION AND ENVIRONMENTAL RISK ASSESSMENT FOR LANDFILL MINING

Comprehensive research on potential of landfill waste materials for plastic recycling and energy recovery. The research also combined with identification of potential environmental risks associated with landfill mining activities. In collaboration with PT. Unilever Indonesia and PT. Sumber Organik.

Project:

BASELINE SURVEY FOR WASTE TO ENERGY ANAEROBIC DIGESTION IMPLEMENTATION

Research on detail composition of waste, generation rate, and laboratory test of traditional market waste in selected cities of Indonesia. Including institutional and financial capacity assessment for implementation of pilot project of Waste to Energy Anaerobic Digestion Plant. In collaboration with United Nation for Economy and Social Commission in Asia Pacific (UNESCAP) and United Cities for Local Government in Asia Pacific (UCLG-ASPAC).