



University : Politeknik Pelayaran Sumatera Barat
 Country : Indonesia
 Web Address : poltekpelsumbar.ac.id

[3] Waste (WS)

[3.16] Toxic Waste Treatment (WS.5)

<p>Workshop Waste Treatment</p>	<p>Medical Waste Treatment</p>

Description:

Medical Waste Management at West Sumatra Polytechnic of Maritime Studies (Poltekpel Sumbar)

Medical waste generated by the Poltekpel Sumbar clinic includes infectious waste, non-infectious waste, sharps (needles, syringes, and lancets), used personal protective equipment (PPE), pharmaceutical waste, and other healthcare-related materials. To ensure environmental protection and public health, medical waste is segregated at the source using color-coded containers and labeled waste bins according to its category.

Infectious waste is collected in yellow bags or containers, while non-infectious waste is placed in designated bins. Sharps are disposed of in puncture-resistant safety boxes to prevent injuries. Medical waste is temporarily stored in a secure storage area before being transported and treated by a licensed hazardous waste management company. All handling activities are carried out in accordance with applicable health, safety, and environmental regulations to minimize the risk of contamination and disease transmission.

Workshop Waste Management at West Sumatra Polytechnic of Maritime Studies (Poltekpel Sumbar)

Workshop activities at Poltekpel Sumbar generate various types of waste, including used lubricating oil, oily rags, contaminated absorbents, used filters, scrap metal, batteries, paint residues, and other hazardous and non-hazardous materials. Waste generated from maintenance and training activities is separated according to its characteristics and hazard level.

Hazardous workshop waste, such as used oil and contaminated materials, is collected in properly labeled containers and stored in a designated hazardous waste storage area (Temporary Storage Facility for Hazardous Waste/B3 Waste). Recyclable materials, such as scrap metal and waste oil, are separated and sent for recycling where possible, for example, such as the use of used oil for the maintenance of workshop tools. Waste that is no longer used will be collected and transported periodically by an authorized waste management contractor for treatment, recycling, or final disposal.

