



University : Road Transportation Safety Polytechnic
Country : Indonesian
Web Address : <https://pktj.ac.id/>

[3] Waste (WS)

[3.16] Toxic Waste Treatment (WS.5)



Description:

Road Transportation Safety Polytechnic (PKTJ) generates hazardous waste from healthcare services, laboratory activities, and campus operational facilities. The hazardous waste mainly consists of infectious medical waste, laboratory chemical waste, and other hazardous materials that require special handling. Improper treatment of hazardous waste may pose risks to human health and environmental quality. Therefore, PKTJ implements a hazardous waste treatment system to ensure that all waste is managed safely, responsibly, and in accordance with applicable environmental regulations.

PKTJ implements a comprehensive toxic waste treatment program that begins with waste segregation at the source. Medical and hazardous waste are separated using designated containers according to their



characteristics and hazard classifications. Infectious waste is temporarily stored in a dedicated cold-storage facility to prevent contamination and maintain safe storage conditions before transportation. Hazardous waste is then recorded, monitored, and transferred to authorized third-party hazardous waste management companies for further treatment and final disposal. The implementation of this program is supported by clear labeling, dedicated storage facilities, and regular monitoring to ensure compliance with environmental and occupational health standards.

During the reporting period, PKTJ successfully implemented a structured hazardous waste treatment system covering waste segregation, temporary storage, collection, transportation, and final treatment. Hazardous waste generated from campus activities was managed through designated facilities and transported by licensed waste management operators for further processing. Through these efforts, PKTJ was able to ensure that 85.71% of the hazardous waste generated during the reporting period was properly treated and managed, while also reducing the total volume of hazardous waste from 0.19 tons in the previous year to 0.14 tons in the current year, representing a 26.32% reduction. These achievements demonstrate PKTJ's commitment to environmental protection, regulatory compliance, and sustainable campus management.

1. Collection and transportation of hazardous medical waste by an authorized hazardous waste management service provider.
2. Segregation of hazardous and infectious waste using color-coded and labeled waste containers.
3. Temporary storage of infectious medical waste in a dedicated cold-storage facility prior to transportation.
4. Temporary Hazardous Waste Storage Facility (TPS B3) used for the safe management of medical and hazardous waste generated on campus.

<https://drive.google.com/drive/folders/1Phm6zFbwqoacorY4lOV7yRkxaoT2iwk1>