SOLID WASTE AND RECYCLING DATA REPORT 2025

Item 1: Solid Waste Generation Data Report at UTeM: 2025

a. Data Collection Method

Solid waste data for 2025 were collected based on disposal receipts issued at the disposal site and provided by the cleaning contractor responsible for cleaning work around the UTeM campus.

b. Disposal Receipt Information

The disposal receipts provided by the contractor specify the dates of solid waste collection and direct delivery to the Sungai Udang Sanitary Solid Waste Disposal Site.

c. Frequency and Data Audit

Throughout 2025, solid waste was sent to the disposal site between 19 and 22 times per month. These data were audited by UTeM's Centre for Smart Environment to determine the monthly and cumulative total weight of solid waste, as shown in Table 1 and Figure 1.

Table 1: Monthly data on solid waste generated at UTeM and sent to the disposal site in 2025

No.	Month	Weight (MT)	Cumulative (MT)
1	January	34.80	34.80
2	February	31.20	66.00
3	March	37.60	103.60
4	April	32.50	136.10
5	May	29.80	165.90
6	June	21.00	186.90
7	July	19.50	206.40
8	August	30.40	236.80
9	September	32.20	269.00
10	October	38.19	307.19
11	November	34.72	341.91
12	December	37.00	378.91
GRAND TOTAL		**378.91 MT**	

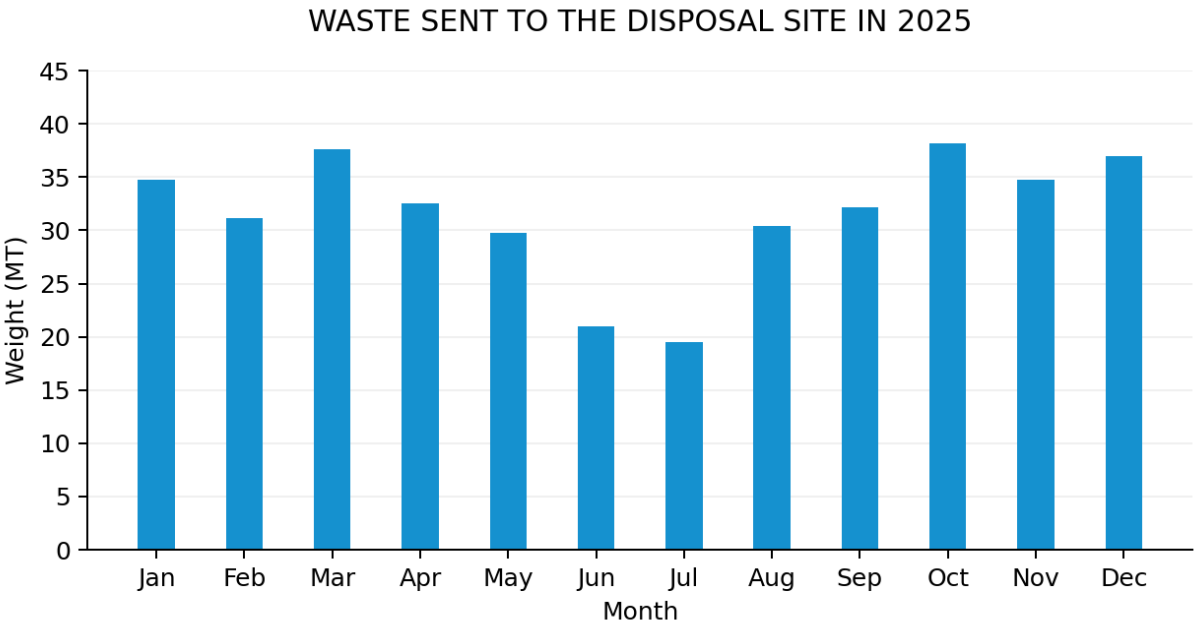


Figure 1: Monthly data on solid waste generated at UTeM and sent to the disposal site in 2025

SOLID WASTE AND RECYCLING DATA REPORT 2025

Item 2: Recyclable Waste Collection Data Report at UTeM: 2025

d. Data Collection Method

Recyclable waste data for 2025 were collected through various recycling-related programmes conducted throughout the year and through three (3) permanent recycling centres at UTeM: the Sayyidina Abu Bakar Mosque, Satria Tuah Residential College, and the Faculty of Industrial and Manufacturing Technology and Engineering (FTKIP). Recyclable waste was also collected through a storage facility managed by the Centre for Smart Environment (CENSEi Centre Store).

e. Frequency and Data Audit

Recyclable waste data were audited monthly, particularly data obtained from the three permanent recycling centres across the UTeM campus. Data obtained through programmes were assessed according to their implementation periods, including the TrashToCash Programme (February), the Go Green Challenge Programme held in conjunction with the 19th Inter-Faculty Sports Championship, SAF-19 (November), the UTeM Clean Up Day Programme (August), and the KITARecycle Sustainable Run Programme (November).

f. Sorting and Types of Recyclable Waste

Recyclable waste data were audited by waste category: fabric, e-waste, used cooking oil (WCO), paper, plastic, and others. The total recyclable waste collected and the percentages by location/programme are shown in Table 2 and Figure 2.

Table 2: Total recyclable waste collected by location/programme in 2025

Location / Programme	Total (tonnes)	Percentage (%)
Satria Tuah Residential College	1.27	6.59%
FTKIP	0.02	0.10%
CENSEi Centre Store & Bursar's Records Unit	10.34	53.66%
UTeM Programmes	6.62	34.35%
UTeM Sayyidina Abu Bakar Mosque	1.02	5.29%
GRAND TOTAL		**19.27 tonnes (100%)**

Breakdown of Recyclable Waste Types in 2025

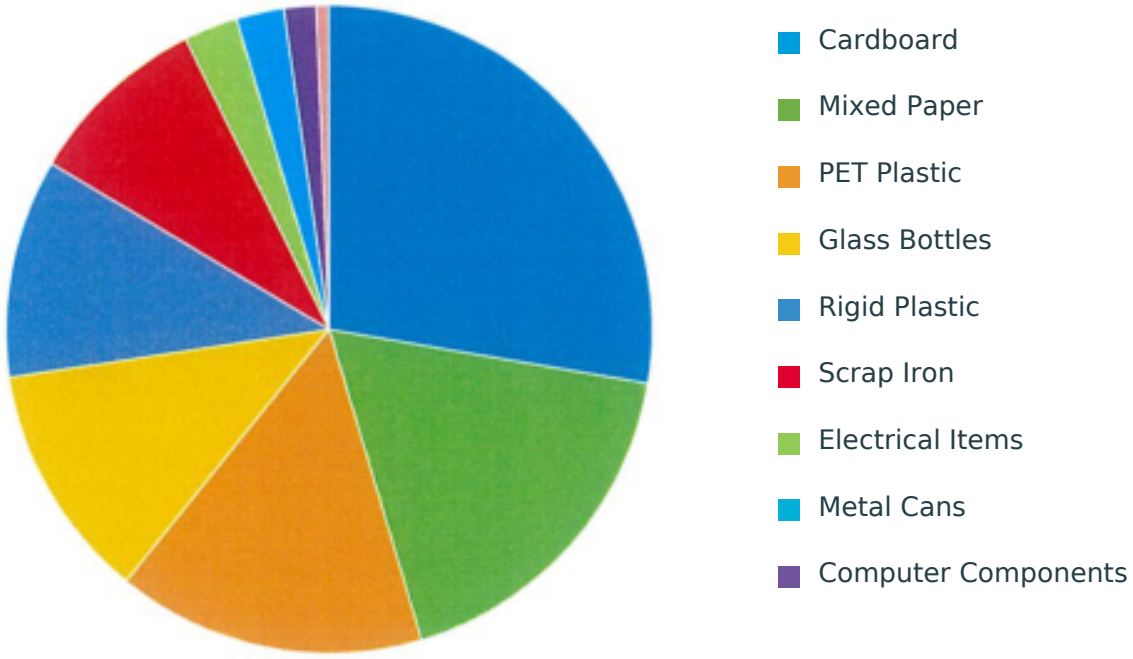


Figure 2: Total recyclable waste collected by percentage of each waste type in 2025