

Responsible Consumption and Production



Sustainable Development Goals Report 2023

“Much of the world’s economy is based around producing things for consumption. This drives the engine of industry. If we want the world to develop sustainably, we need to understand how to be more responsible at both ends of this cycle. This means promoting resource and energy efficiency, having a sustainable infrastructure, and providing access to basic services for all.”

THE Impact Rankings





Responsible Consumption and Production



Sustainable Development Goals Report 2023



STATISTICS

1,634 ton

Amount of waste generated

930 ton

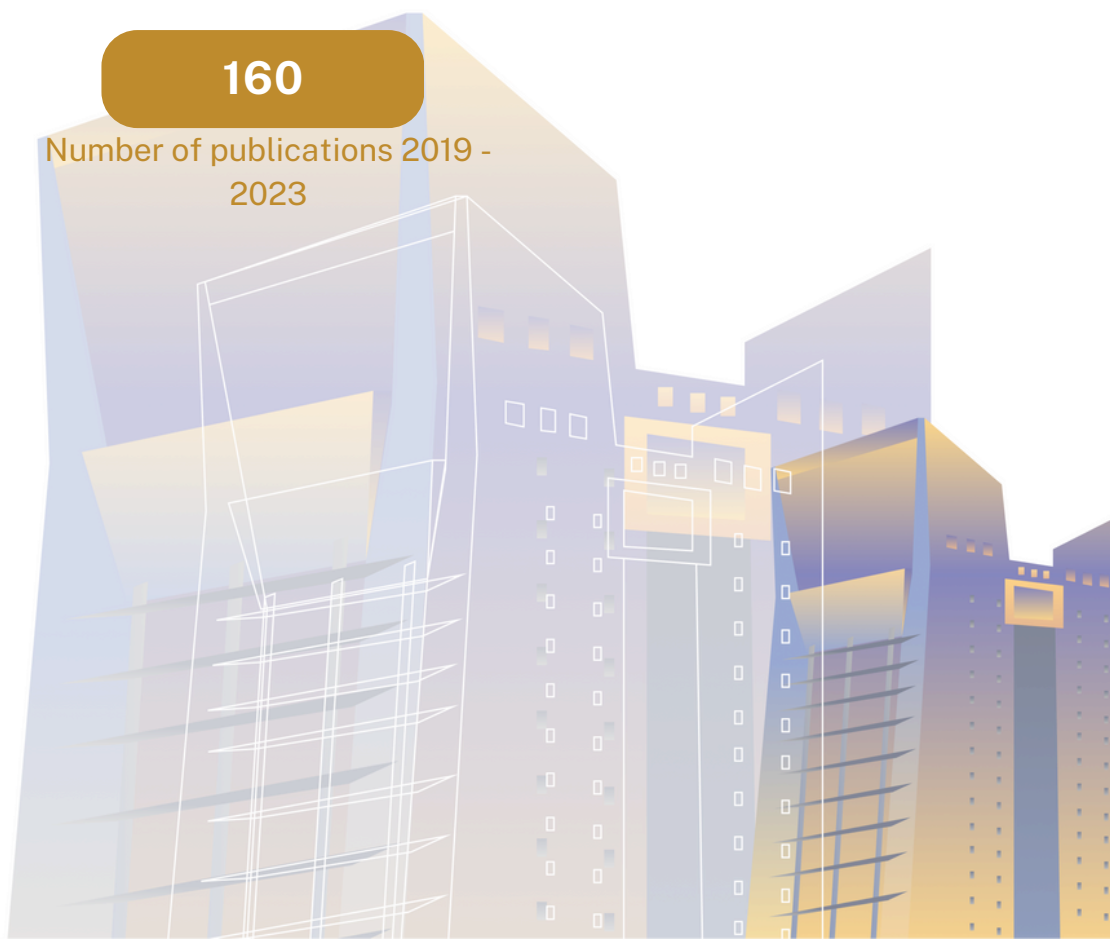
Amount of waste recycled

704 ton

Amount of waste sent to landfill

160

Number of publications 2019 - 2023



ITS Leads Innovation in Responsible Waste Management Through Digital and Automated Solutions

ITS advances responsible waste management through two key innovations: Apps4SWAM and Anomalister. Apps4SWAM digitizes community waste management in Kediri City, while Anomalister tackles river waste accumulation in Jumputrejo Village, Sukodono, through automated solutions. The innovations demonstrate complementary technological approaches. Apps4SWAM streamlines waste bank operations with digital tracking and community engagement features, while Anomalister employs infrared sensors and solar power for automated river waste filtration. Both systems show ITS' commitment to practical environmental solutions through different technological implementations.

Implementation success is evident in both projects. Apps4SWAM's deployment (July-November 2023) effectively engaged communities despite technical challenges, while Anomalister successfully addressed a 15-year waste management problem through its dual-mode operation system. These achievements showcase ITS' capability in developing sustainable, technology-driven solutions that can be replicated across different environmental contexts.



ITS Leads Multi-Faceted Environmental Initiatives: From Local Innovation to International Collaboration

ITS demonstrated a comprehensive commitment to environmental sustainability through parallel initiatives in local waste management innovation and international mangrove conservation. In Banjarkemuning Village, ITS partners with the Ministry of Public Works and Housing to transform household waste into valuable resources through eco-enzyme technology while simultaneously collaborating with Universiti Teknologi Malaysia (UTM) to address critical waste challenges at Wonorejo Mangrove Ecotourism site, where 1.2 tons of waste accumulates daily.

The initiatives implement complementary approaches to environmental stewardship. The local program focuses on systematic waste segregation education and organic waste conversion, producing sustainable outputs, including natural pesticides and fertilizers, through a three-month fermentation cycle. Concurrently, the international collaboration engages 64 students in practical waste management and cross-cultural environmental problem-solving. Results demonstrate a significant impact across both programs. The eco-enzyme initiative successfully transforms problematic waste-burning practices into a sustainable zero-waste cycle, while the mangrove conservation effort shows immediate ecosystem improvement through coordinated student action.





Advancing Sustainability: ITS' Digital Transformation and Commitment to Environmental Responsibility

ITS is advancing sustainable management and efficient resource use through the myITS Office application, a key component of the ITS Smart Eco Campus initiative. This platform transitions the academic community from paper-based to digital document management, significantly reducing paper use and eliminating repetitive processes like scanning and printing. This digital shift is part of ITS' commitment to environmental stewardship, as detailed in the sustainability declaration, which emphasizes minimizing single-use materials.

The declaration extends to third-party suppliers, promoting a campus-wide culture of sustainability. The digital transformation has led to notable reductions in paper usage and carbon emissions while enhancing operational efficiency and service accessibility. These initiatives position ITS as a leader in sustainable campus operations and provide a model for other institutions aiming to achieve similar environmental goals.

The screenshot displays the 'myITS office' web application interface. At the top left is the 'myITS office' logo. A navigation menu on the left includes 'Surat Baru', 'Menu Utama', and 'Permohonan Surat'. The main content area is titled 'Surat Masuk' and features a search bar with 'Tampilkan Filter', a 'Download Data Surat ke dalam Excel' button, and a 'Show 10 entries' dropdown. A checkbox for 'Tampilkan hanya belum dibaca' is present. Below is a table with columns for 'Perihal', 'Tanggal Surat', and 'Pengirim'. The first row shows a redacted subject and the date '20 Januari 2023'. The second row shows 'Surat Dinas' with a redacted subject and a green status indicator.

| Perihal | Tanggal Surat | Pengirim |
|---------------------------|-----------------|------------|
| [Redacted] | 20 Januari 2023 | [Redacted] |
| Surat Dinas [Redacted] | | [Redacted] |