

DAY ZERO BALI 2026

SUSTAINABILITY & IMPACT REPORT.

Year 1 Field Report

Garuda Wisnu Kencana Cultural Park | April 17-18, 2026

7,715 Attendees

Circular Economy | Social Impact

METRIC HIGHLIGHTS

7,715

Confirmed Attendees

~0%

Waste Leakage

1,441 kg+

Materials Recovered

~23.2t

CO2e Avoided

Rp 14.4M

Net Value from Waste

12,000 kg

Compost Created

~1 tonne

Beach Pollution Removed

80+

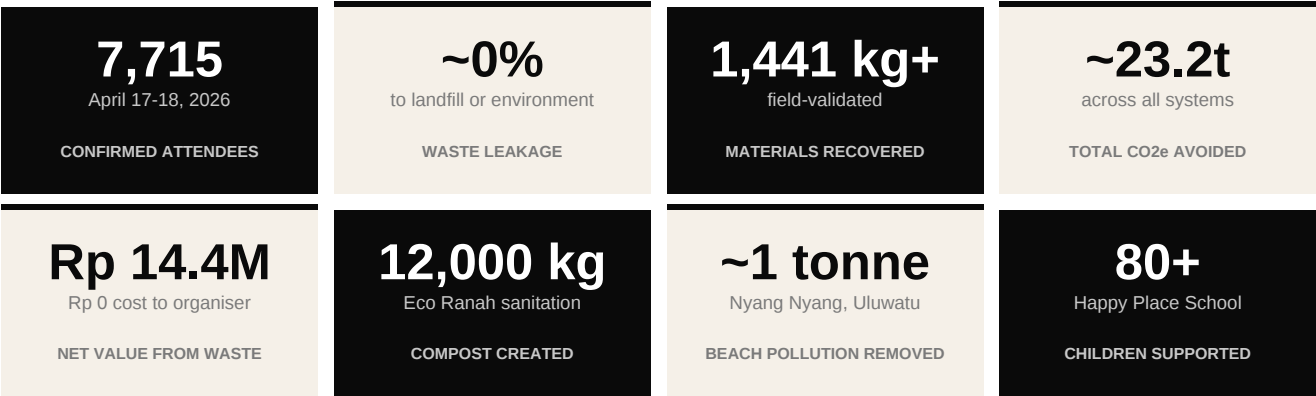
Children Supported

EXECUTIVE SUMMARY

A New Standard for Responsible Festivals

Day Zero Festival's inaugural Bali edition, held at Garuda Wisnu Kencana Cultural Park on April 17-18, 2026, was not simply a cultural event. It was a live demonstration that large-scale festivals can operate as circular systems: generating near-zero waste, creating measurable economic value from materials, and channelling that value directly into social impact. This report presents the verified environmental, social, and economic outcomes of that commitment, compiled from field-validated data across all sustainability operations.

Every figure in this report is traceable, field-verified, and held to institutional-grade standards.



Context

Day Zero entered Bali amid one of the island's most acute waste management crises, a fragmented, largely informal system where the majority of waste ends up burned, buried, or in waterways. Garuda Wisnu Kencana provided no waste infrastructure whatsoever. Every bin, every truck, every sorting system, every eco-team member was designed, sourced, and deployed from scratch by Day Zero through the ONE. BALI sustainability ecosystem. Operating within this context, the festival achieved near-zero waste leakage, a result that is genuinely pioneering for Bali.

In the week immediately prior to the festival, a regulatory change resulted in the temporary closure of local landfills and restrictions on waste collection operations across Bali. Rather than compromising the festival's environmental commitments, months of considered pre-planning and the strength of the ONE. BALI partner ecosystem meant Day Zero was able to navigate this challenge and still deliver an exceptional environmental result in its first year of operations.

01

PRE-PLANNING AND MATERIAL STRATEGY

Sustainability by Design

Day Zero's environmental outcomes did not happen by accident. They were the result of a detailed sustainability masterplanning process carried out weeks before the festival, in which every material that would enter the site was reviewed, selected, or rejected based on its recyclability, supply chain compatibility, and downstream processing availability in Bali. This is the foundation on which all operational outcomes rest.

The guiding principle was simple: if a material cannot be recovered and recycled through a verified channel in Bali, it should not be on site. This upstream discipline is what made near-zero waste leakage operationally achievable, rather than aspirational.

Material Selection Framework

All food and beverage service materials were selected against three criteria: recyclability within Bali's existing infrastructure, compatibility with the on-site sorted bin system, and availability through local supply chains. Every material choice was a deliberate sustainability decision.

MATERIAL	APPLICATION	RECYCLABILITY BASIS	OUTCOME
Aluminium cans	All drinking water and beverages	Highest value recyclable in Bali. Verified offtaker via Ekologis at Rp 35,000/kg.	38,000 cans recovered
Paper cups	Beverage service at all bars	Fibre-based, recoverable through OCC stream. Selected over plastic cups entirely.	Captured in Duplex stream
Paper straws	All beverage service points	Compostable. Plastic straws eliminated from all service areas.	Zero plastic straws on site
Paper and cardboard packaging	All food service	High-confidence OCC stream. Commodity grade recycling via Ekologis.	419 kg OCC recovered
Glass bottles	Spirits service at all bars	Return-to-supplier model. Retained in closed loop, never entering waste stream.	Majority reused, 75.5 kg residual only
Reusable polypropylene bin bags	All waste collection bins	Durable, multi-use. Reduces single-use plastic in waste operations.	1,000 bags deployed
Biodegradable bin liners	Organic waste bins only	Compostable. Compatible with organic composting stream.	500 deployed for organic stream
PE industrial bin bags	Emergency reserve supply	100% recyclable by Ekologis. Emergency stash of 7,000 held on site.	Fully recoverable through Ekologis channels

PRE-PLANNING AND MATERIAL STRATEGY

Waste Infrastructure: A Festival Model Built from Scratch

Garuda Wisnu Kencana provided zero waste infrastructure as part of the venue agreement. Day Zero designed and deployed the entire system independently through the ONE. BALI circularity model and island-wide ecosystem, including a centralised main trash collection point managed by Ekologis and a full eco-team deployed throughout the event to maintain separation standards.

Patron-facing General Admission areas operated a three-stream colour-coded bin system: Red bins labelled Feed Me Cans, Green bins labelled I Only Eat Organic, and Blue bins labelled I Thrive on Paper. Clear signage at every station ensured separation happened at the source. All bar service and hospitality areas followed a four-stream bin system covering aluminium, organic, paper and cardboard, and plastic separately. The bin system covered every zone: main stage, second stage, VIP, artist lounge, backstage bar, staff areas, and back-of-house.

Plastic Reduction: 90% Achieved in Year 1

Day Zero's founding commitment was to operate as a plastic-reduced festival, with a Year 1 target of 90% reduction against a conventional festival baseline. This target was achieved. Plastic was eliminated from every area where a viable alternative existed, and where it could not be eliminated due to Bali's operational realities, it was captured in full and recycled through verified circular economy channels.

What Was Eliminated

Single-use plastic cups, straws, food packaging, and plastic service items were removed from the entire festival operation. All beverage service used paper cups with paper straws. All food was served in paper-based packaging. Drinking water was served exclusively in aluminium cans, selected for their recyclability and verified recovery value within Bali's existing infrastructure.

What Remained and Why

Three categories of plastic remained on site due to operational requirements that could not be resolved in Year 1 without compromising hygiene or safety standards specific to Bali's supply chain and climate context.

PLASTIC ITEM	QUANTITY	REASON RETAINED	RECYCLING OUTCOME
Ice bags (5 kg)	7,700 bags	No viable alternative for food-safe ice supply in Bali at this scale	100% collected and recycled through Ekologis
1L plastic juice bottles	2,000 bottles	Supplier constraint; no aluminium or glass alternative available at volume	Captured in PET stream; 42.5 kg recovered via Ekologis
Industrial black bin bags	Backup supply only	Emergency reserve in the event reusable bag supply was exhausted	100% recyclable by Ekologis; fully captured in recovery system

The Beach Clean Up: Environmental Offset

To directly offset the residual plastic footprint, Day Zero activated a large-scale clean-up of Nyang Nyang Beach one week before the festival. The logic was deliberate: for every bag of ice or plastic bottle that operational reality required on site, plastic was being removed from Bali's natural environment in equal or greater measure. The clean-up removed nearly one tonne of pollution from Uluwatu's largest coastline, handled by Prevented Ocean Plastic and processed through verified recycling streams.

The result: a festival that acknowledged its residual footprint honestly, took direct action to offset it, and ensured that every piece of plastic that did enter the site was recovered and returned to the circular economy.

PLASTIC METRIC	OUTCOME
Plastic reduction vs. conventional festival	~90% achieved in Year 1
Remaining plastic on site	Ice bags, juice bottles, backup bin bags only
Plastic recycled through circular economy	100% of on-site plastic captured and recovered by Prevented Ocean Plastic
Environmental offset activation	~1 tonne removed from Nyang Nyang Beach
Plastic to landfill	Zero
Plastic to waterways or informal disposal	Zero
Year 2 target	95% or greater reduction; ice bag and bottle alternatives in procurement

No plastic from Day Zero 2026 went to landfill, entered a waterway, or was informally disposed of.

Nyang Nyang Beach: Uluwatu Clean Up Initiative

On April 11, one week before the festival, Day Zero activated a large-scale clean-up of Nyang Nyang, Uluwatu's largest and most iconic beach. Operating in partnership with Prevented Ocean Plastic, the clean-up mobilised 20 volunteers at 8:00 AM, with live drumming creating a communal atmosphere. Nearly one tonne of pollution was removed, establishing a benchmark for island-wide environmental responsibility and directly offsetting the festival's residual plastic footprint.

PARAMETER	DETAIL
Date	April 11, 2026, 8:00 AM
Location	Nyang Nyang Beach, Uluwatu
Volunteers	20 participants (community, partners, Day Zero team)
Waste Removed	~1 tonne of ocean plastic and pollution
Partners	ONE. BALI and Prevented Ocean Plastic
Material Handling	Sorted, quantified, tracked through verified recycling streams
Purpose	Environmental offset for residual festival plastic footprint (~90% plastic-free achieved)

02

CIRCULAR ECONOMY

Material Recovery and Zero Waste Operations

Material Recovery: Field-Validated Results

Ekologis Initiative, a circular economy operator with 25+ years of experience across Southeast Asia and the sister organisation of Prevented Ocean Plastic, managed the complete material recovery system for Day Zero 2026. Every kilogram was weighed on-site, cross-referenced against photographic records, and connected to a verified downstream offtaker. Photo evidence exists of the entire end-to-end process, including receipts and payments by offtakers, demonstrating true and verified circularity.

MATERIAL STREAM	WEIGHT	UNITS / BAGS	REVENUE (IDR)	CONFIDENCE
Aluminium Cans	513.0 kg	113 bags / ~38,000 cans	Rp 17,955,000	High
OCC / Cardboard	419.0 kg	75 bundles	Rp 716,400	High
Duplex (Cups/Boxes)	256.9 kg	47 bags	Rp 128,450	Med-High
PE Flexible Plastic	134.5 kg	38 bags	Rp 134,500	Med-High
PET Bottles	42.5 kg	17 bags / ~1,700 units	Rp 127,500	Medium
Glass (Residual)	75.5 kg	3 bags	N/A	High
TOTAL	1,441 kg+	293 bags / ~48,000 items	Rp 19,061,850	

Estimated total recovery 1.5-2.0 tonnes based on truck-capacity mass-balance cross-check. Glass largely retained in bar return-to-supplier loop; 75.5 kg represents residual only. Data accuracy estimated at 80-90%. Methodology: EPA WARM, IAI, WRAP, PlasticsEurope.

Ekologis and Prevented Ocean Plastic are the only recycler in Bali certified by Control Union, operating to international procedural standards. This certification means that every material flow reported here is independently verifiable and meets the highest available standard for traceability and recycling integrity in the region.

The Economics of Circularity

Traditional festival waste management in Bali costs organisers Rp 50-100 million per event, with all material sent to landfill. Day Zero's circular model cost Rp 0 to the organiser, while generating Rp 14.4 million in net value from recovered materials. Aluminium alone drove 94% of revenue despite representing 34% of recovered weight, at Rp 35,000/kg. This is not a cost reduction. It is a complete system redesign.

	CONVENTIONAL MODEL	DAY ZERO CIRCULAR MODEL
Cost to organiser	Rp 50-100M	Rp 0
Waste destination	100% to landfill	~0% leakage
Traceability	None	Full chain of custody, ImpTrack verified
Social return	None	100% of revenue to WWCA Bali Chapter
Carbon outcome	Environmental liability	~5.2t net CO2e avoided (materials stream only)

CIRCULAR ECONOMY

Waste Stream Analysis and Carbon Impact

Beyond tonnage reporting, Ekologis conducted unit-level field sampling to establish individual item weights and counts, aluminium cans at 13.5g average, PET bottles at 23-25g, food boxes at 50-60g. Approximately 48,000 individual items were captured, sorted, and reintegrated into the circular economy. This granularity enables a benchmarkable per-attendee dataset: 5.0 aluminium cans per person, 0.6 food packaging units, and only 0.2 PET bottles, confirming the success of upstream plastic reduction.

Key insight from the fibre streams: OCC (cardboard) at 419 kg is commodity-grade and fully recyclable. Duplex (PE-lined cups and boxes) at 257 kg carries only 30-60% fibre recovery yield due to food contamination. This reveals that upstream packaging design, not collection effort, is the binding constraint on full circularity. Glass (75.5 kg residual) represents a closed-loop success: the majority was retained in the bar's return-to-supplier model, never entering the waste stream.

Carbon Avoidance: Consolidated View

SOURCE	METHODOLOGY	CO2e AVOIDED	NOTES
Material Recovery (Ekologis)	EPA WARM / IAI / WRAP / PlasticsEurope	~5.2t net (5.8t gross)	After logistics, processing and contamination losses
Eco Ranah Composting Toilets	Chemical toilet baseline: 0.80 kg CO2e/use vs. 0.05 kg CO2e/use (Carbon Trust)	~18.0t	24,000+ uses; accuracy +/-10-15%
Organic Waste Logistics (Cedric)	Vehicle combustion vs. landfill diversion factor: 2.5 kg CO2e/kg	Net -2.45 kg (carbon negative)	10 kg diverted; 122 km / 2 rotations
TOTAL		-23.2t CO2e	Equivalent to ~1,050 trees per year

The Eco Ranah sanitation system is the single largest carbon avoidance contributor, 18 of 23.2 total tonnes, demonstrating that sustainability at festivals extends well beyond the waste bin. Infrastructure choice at every touchpoint carries carbon consequence.

03

ENVIRONMENTAL STEWARDSHIP

Sanitation and Organic Waste

Eco Ranah: From Flush to Flower

Day Zero deployed 60 Eco Ranah dry-composting toilets, beautiful teak and bamboo structures using zero water and zero chemicals. Across 8,000+ attendees and 24,000+ uses, the system generated 12,000 kg of certified organic compost that will enrich 2,400 m2 of Eco Ranah's flower farm. Those flowers were gifted back to festival-goers, completing a closed loop from human waste to living bloom.

PARAMETER	ECO RANAH OUTCOME	COMPARISON
Water used	0 litres	Standard flush: 144,000-240,000 L for same usage
Chemicals used	Zero	Chemical toilets: formaldehyde solution throughout
Total uses	24,000+	8,000+ attendees x 3 uses average
Compost created	12,000 kg	Enriches 2,400 m2 of flower farm
CO2e avoided	~18.0 tonnes	vs. chemical toilet baseline (Carbon Trust)
Tree equivalent	~825 trees per year	Annual CO2 absorption equivalent
Output returned	Flowers to Bali	Compost grown flowers gifted to festival attendees

Organic Waste: Closed-Loop Composting

All organic food waste generated by the festival was collected by Cedric of Urban Compost Bali and converted entirely into compost. The collection logistics covered 122 km across two rotations and was calculated to be carbon negative, the 25 kg CO2e saved by diverting 10 kg of food waste from landfill exceeded the 22.55 kg CO2e from vehicle combustion, delivering a net saving of 2.45 kg CO2e.

04

SOCIAL IMPACT

Community, Equity and the WWCA Bali Chapter

Waste as a Vehicle for Community Empowerment

The defining insight of Day Zero's sustainability model is that environmental responsibility and social impact are not parallel programmes, they are the same programme. When waste is treated as a resource, the value it generates can be directed with intention. At Day Zero 2026, every kilogram of aluminium recovered, every cardboard box sorted, every plastic bottle captured was a direct contribution to the economic empowerment of Balinese women.

SOCIAL IMPACT

Women Waste Collectors Association, WWCA Bali Chapter

100% of proceeds generated from all recyclable material processed through Ekologis were directed to the launch of the WWCA Bali Chapter. The WWCA is Indonesia's leading initiative to formalise, train, and economically empower women working within informal waste collection networks, a workforce that is largely invisible, unprotected, and underpaid.

AREA OF IMPACT	DETAIL
Material revenue directed	100% of Rp 19.1M generated, zero retention by festival
Purpose	Seed funding for the WWCA Bali Chapter launch
Educational infrastructure	Development of a dedicated training and education centre
Skills development	Training in waste sorting, circular economy systems, and enterprise
Rehabilitation pathways	Support for women transitioning from informal to formal sector employment
Generational impact	Structured pathway to lift young girls out of poverty tied to informal waste systems
Fair wage precedent	All 7 Ekologis team members paid 3x standard daily wage, with meals provided

The Happy Place Learning Centre, Uluwatu/Ungasan

Day Zero partnered with The Happiness Foundation to support the 'Happy Place' learning centre, a newly established educational facility serving 80+ underserved children in the Uluwatu-Ungasan region, minutes from Garuda Wisnu Kencana. The festival made a direct financial contribution toward playground development, donated a full suite of sports equipment, and used its platform to raise further funds and visibility for the centre's ongoing operational needs.

INITIATIVE	DETAIL
Partner	The Happiness Foundation, Uluwatu, Bali
Children supported	80+ from surrounding underserved communities
Programmes	English, arts, percussion; sports in development
Day Zero contribution	Financial contribution to playground + full sports equipment donation
Year 1 output	Playground infrastructure completed; fully equipped recreational space for 80+ children

05
THE INTEGRATED MODEL

Where Waste Becomes Value and Value Becomes Impact

From Waste to Value to Impact

The most important finding of Day Zero 2026 is not any individual metric, it is the architecture that connects them. This festival demonstrated, in a live operational context, that environmental responsibility and social impact are not trade-offs. They are one system.

Circular system design reduces waste at source. What remains is collected with full traceability. Recovery generates economic value. That value is directed to the people who do the work of circularity, the women of Bali's waste collection networks, who gain income, training, and dignity. The land is restored. The community is strengthened. The spirit of the place is honoured. This is Tri Hita Karana made operational.

01 REDUCE Upstream design eliminates single-use plastic. 90% plastic reduction achieved. Aluminium cans for water. Paper packaging throughout all food and beverage	02 REUSE Glass bottles retained in return-to-supplier loop. Never entered the waste stream. The highest tier of circular design, waste prevented entirely.	03 RECOVER 1,441 kg+ of materials collected, weighed, sorted. 293 bags. ~48,000 individual items. Full chain of custody from bin to verified offtaker.	04 GENERATE Rp 19.1M revenue generated from recovered materials. Rp 14.4M net value created. Zero cost to organiser versus Rp 50-100M conventional model.	05 DIRECT 100% of proceeds directed to the WWCA Bali Chapter. Women's education, training, and economic empowerment. Value returned to those who sustain circularity.	06 RESTORE Beach clean-up removes ~1 tonne from Nyang Nyang. Compost from toilets enriches 2,400m2 of flower farm. Flowers gifted back to festival attendees. Net positive environmental
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Circularity is not achieved by collecting more waste, but by designing systems where waste is minimised, value is retained, and flows are controlled.

06

PERFORMANCE SCORECARD

Year 1 Performance Against Commitments

Year 1 Performance Against Commitments

Every sustainability commitment made prior to Day Zero 2026 was tracked, measured, and verified. The following scorecard reports outcomes against original targets.

COMMITMENT	TARGET	OUTCOME	STATUS
Waste leakage	0%	~0%, field-verified	ACHIEVED
Plastic reduction	~90% vs. conventional	~90%, ice bags and juice bottles retained for hygiene	ACHIEVED
Material traceability	100% of streams	100%, chain of custody via ImpTrack	ACHIEVED
Organic waste to compost	100%	100%, Urban Compost Bali and Eco Ranah 12,000 kg compost created	ACHIEVED
Water use, sanitation	Zero chemical toilets	0 litres water, 0 chemicals	ACHIEVED
Social value from waste	WWCA Bali funding	Rp 19.1M, 100% to WWCA Bali	ACHIEVED
Beach clean-up	~1 tonne removed	~1 tonne, Nyang Nyang, April 11	ACHIEVED
Community investment	Happy Place playground	Financial contribution plus full sports equipment donated	ACHIEVED
Eco-team fair wage	Above market rate	3x standard daily wage plus meals	ACHIEVED
Cost to organiser	Rp 0	Rp 0, versus Rp 50-100M conventional	ACHIEVED

07

METHODOLOGY AND PARTNERS

Data Sources, Verification and Collaborators

Data Sources and Verification

All data presented in this report is sourced from field-validated operational records. Figures are not self-reported estimates, they are derived from on-site weighing, photographic cross-referencing, and independent partner reporting.

SOURCE	METHODOLOGY	ACCURACY
Ekologis Initiative (Circularity and Impact Report V3.0)	On-site scale weighing. Field photography for unit sampling. Bag counts cross-referenced to photographic records. Mass-balance cross-check against truck capacity.	80-90% per stream; confidence levels reported individually
Eco Ranah Toilet (Sustainability Impact Report 2026)	Operational data from 60 deployed units. Carbon factors from Carbon Trust. Lifecycle analysis methodology.	+/-10-15%; horticultural standards for compost enrichment
Carbon Report, Logistics and Waste Diversion	Gasoline emission factor: 2.31 kg CO2e/L. Landfill diversion: 2.5 kg CO2e/kg. Vehicle: Suzuki Carry, 8.0 L/100km.	Standard emission factors; calculated values
Day Zero Waste Management and Sustainability Plan	Pre-event planning document. Baseline targets against which actuals are reported.	Source planning document
Day Zero Social Impact Plan 2026	Internal commitment document for WWCA, Happy Place, and beach clean-up initiatives.	Commitment baseline

Partners and Collaborators

PARTNER	ROLE
ONE. BALI	Lead Sustainability Partner. Responsible for sustainability strategy development, systems design and integrity, implementation, direction, and ecosystem coordination for Day Zero Festival Bali.
Ekologis Initiative	Circular economy operator. Complete waste collection, sorting, material traceability, and ImpTrack digital reporting. ekologis.io
Prevented Ocean Plastic	Ocean-bound plastic recovery organisation. Beach clean-up operational partner and material transport.
Eco Ranah, PT Alami Harmoni Nusantara	Dry-composting sanitation provider. 60 teak and bamboo toilets deployed. ecorannah.com
The Happiness Foundation	Community education partner. Happy Place learning centre, Uluwatu-Ungasan. 80+ children served.
Women Waste Collectors Association (WWCA)	100% of material recovery proceeds directed to WWCA Bali Chapter launch. @wwca.indonesia

08 CLOSING STATEMENT

A Landmark First Edition

A Landmark First Edition

Day Zero Festival 2026 achieved what no festival has done before in Bali. Operating within one of the most challenging waste management environments in Southeast Asia, with no existing infrastructure at the venue and a fragmented island-wide recycling system, the festival delivered near-zero waste leakage, full material traceability, carbon-negative logistics, and a sanitation system that produced 12,000 kg of compost from zero water and zero chemicals.

Beyond the environmental metrics, Day Zero demonstrated that a festival can be a force for genuine social and economic change. Every kilogram of material recovered became funding for the Women Waste Collectors Association Bali Chapter. Every operational decision honoured the land, the community, and the spirit of Bali. The principles of Tri Hita Karana were not aspirational. They were operational.

This is a very solid outcome for Year 1. The systems work. The partnerships are proven. The model is replicable and ready to scale.

A full review of systems improvements and strategic recommendations for Year 2 will be prepared as a separate document.

Day Zero Festival 2026 demonstrated that the most responsible festival is not one that apologises for its footprint. It is one that transforms its footprint into a force for regeneration.

Year 1 is the proof of concept.

Report prepared by Elle Watson in collaboration with ONE. BALI | April 2026 | Bali, Indonesia