CHATBOT INVENTORY
Management System

Gudang Bot
bot

/pinjam USG_SN01 2 EVENT_RS_X 03:00

⚠️ KONFIRMASI PEMINJAMAN

Barang : USG_SN01
Jumlah : 2
Lokasi : EVENT_RS_X
User   : Fika

Balas: YA atau TIDAK 03:00

YA 03:00

✅ Transaksi dicatat 03:00
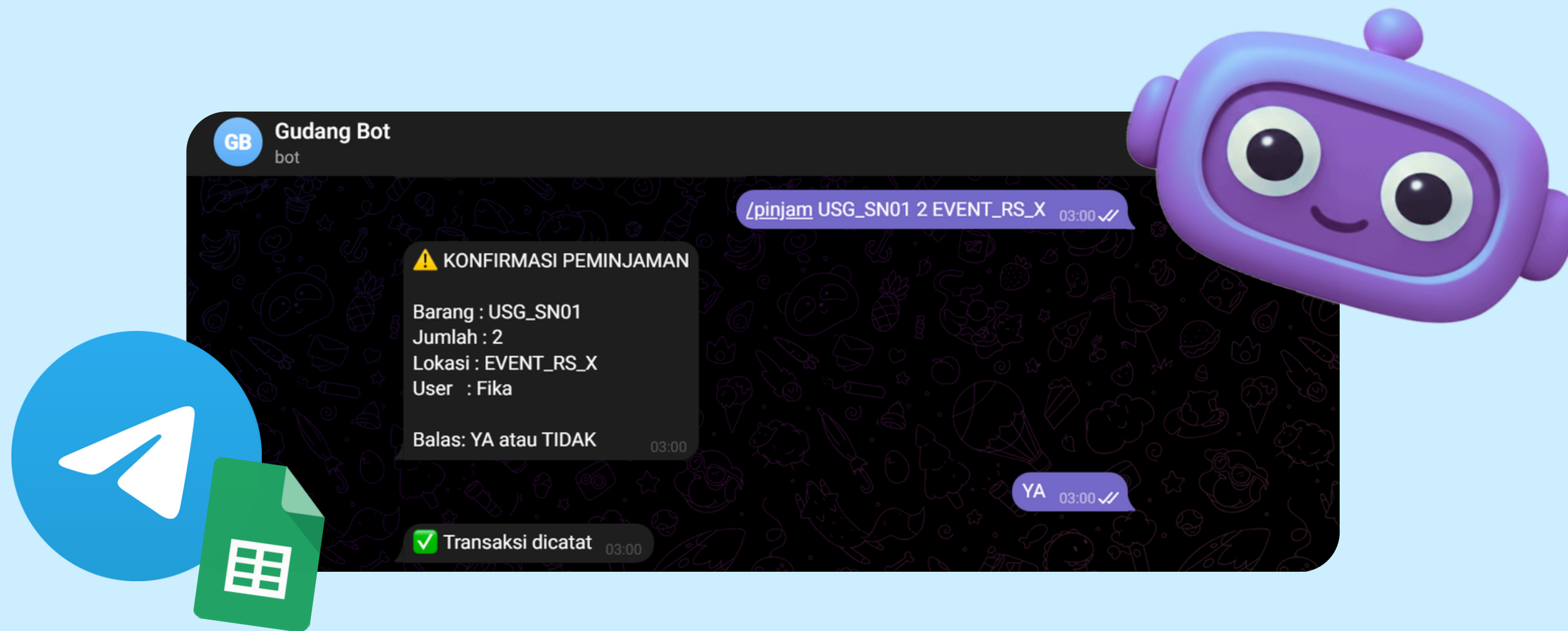
2) Chatbot Inventory Management System

A system to simplify item tracking in warehouses or workspaces, reduce item loss, and provide a clear audit trail for every borrow & return transaction.

How does it work?

(1) Transaction Input via Telegram Bot
Users can record borrow or return transactions through Telegram chat with verification to reduce errors.
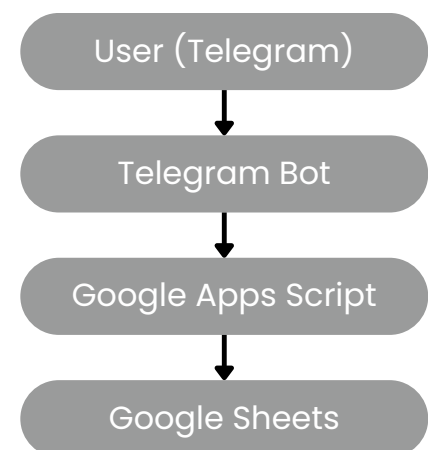
(2) Google Sheets Database
All transactions are logged automatically. Supports multiple users simultaneously.
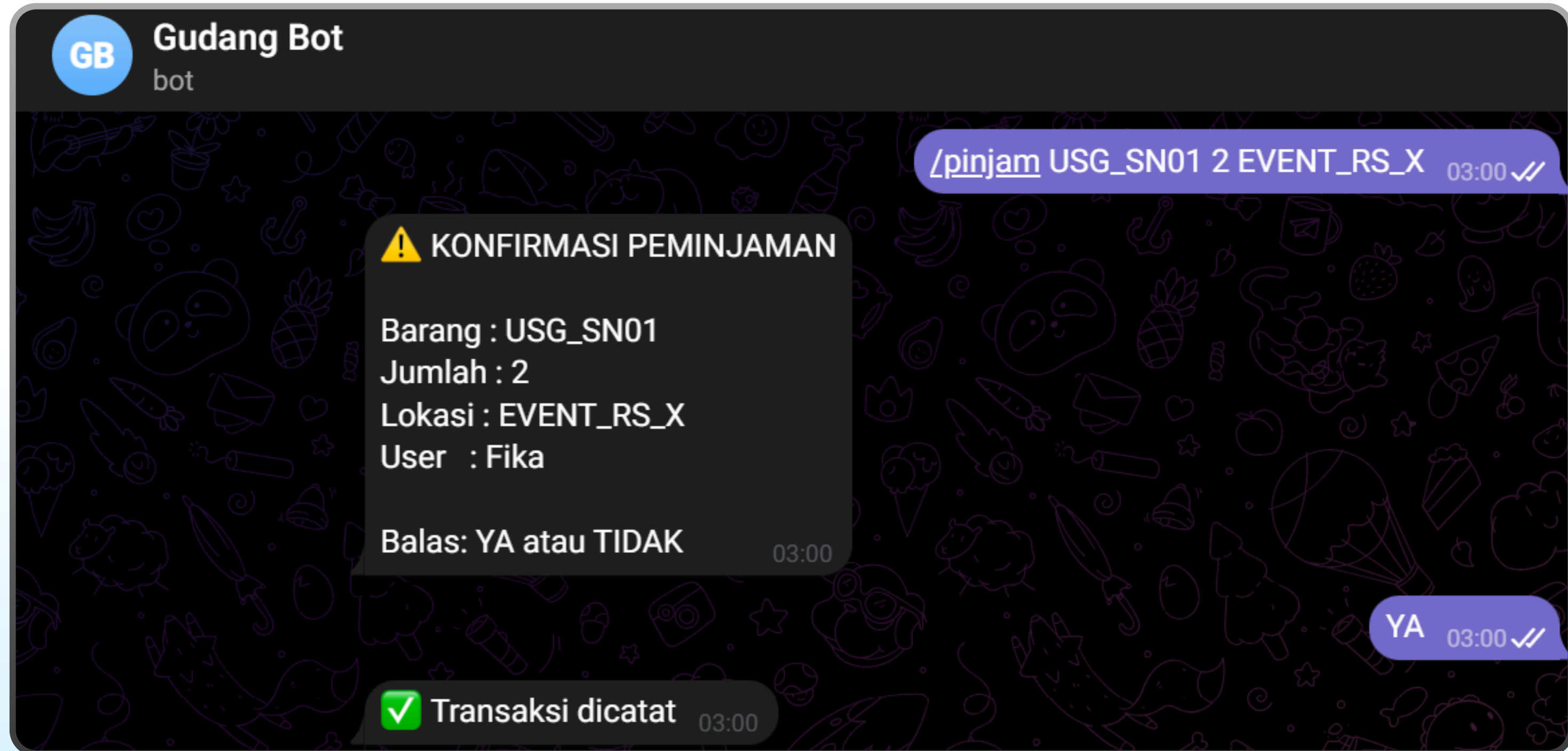
(3) Real-time Tracking
Monitor borrowed, returned, or transferred items instantly for quick stock oversight.
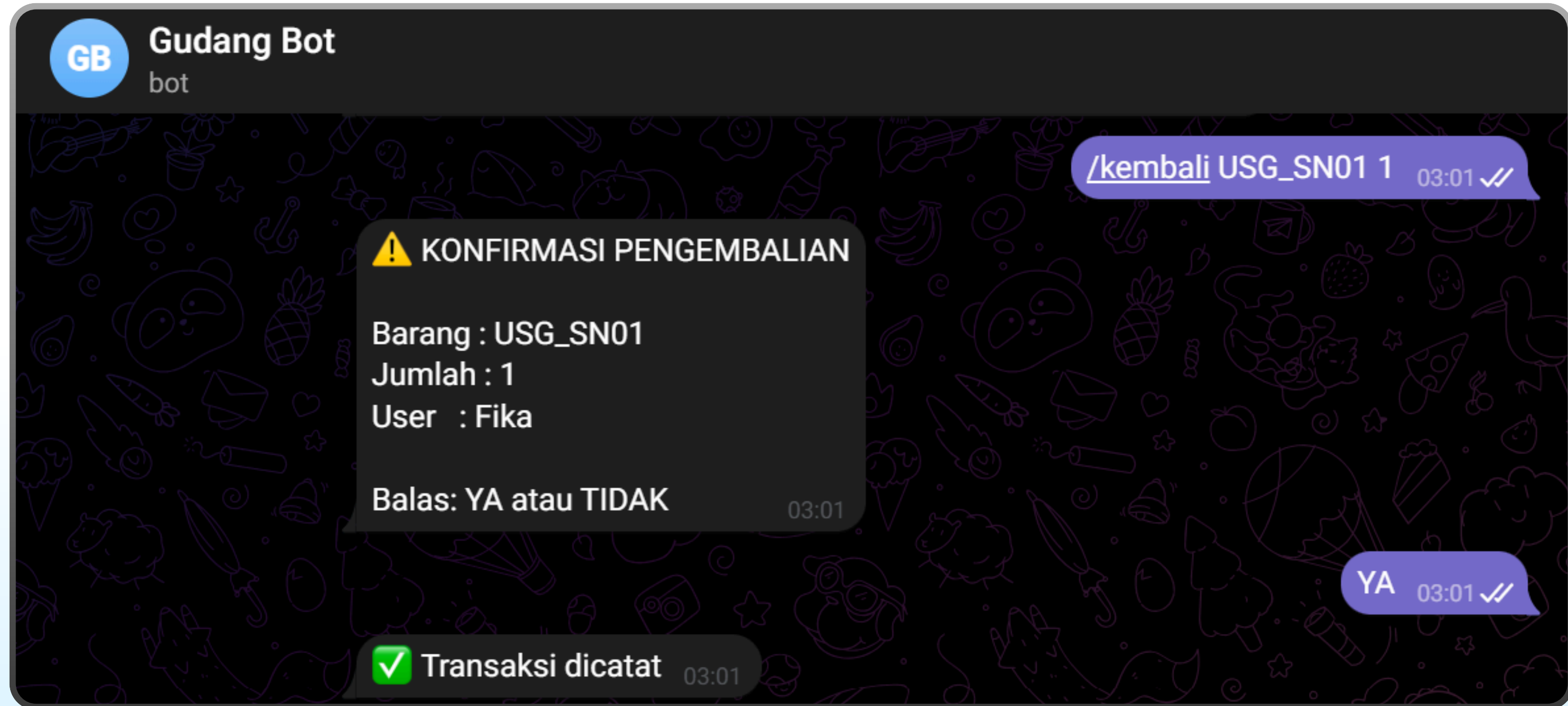
(4) Audit Trail
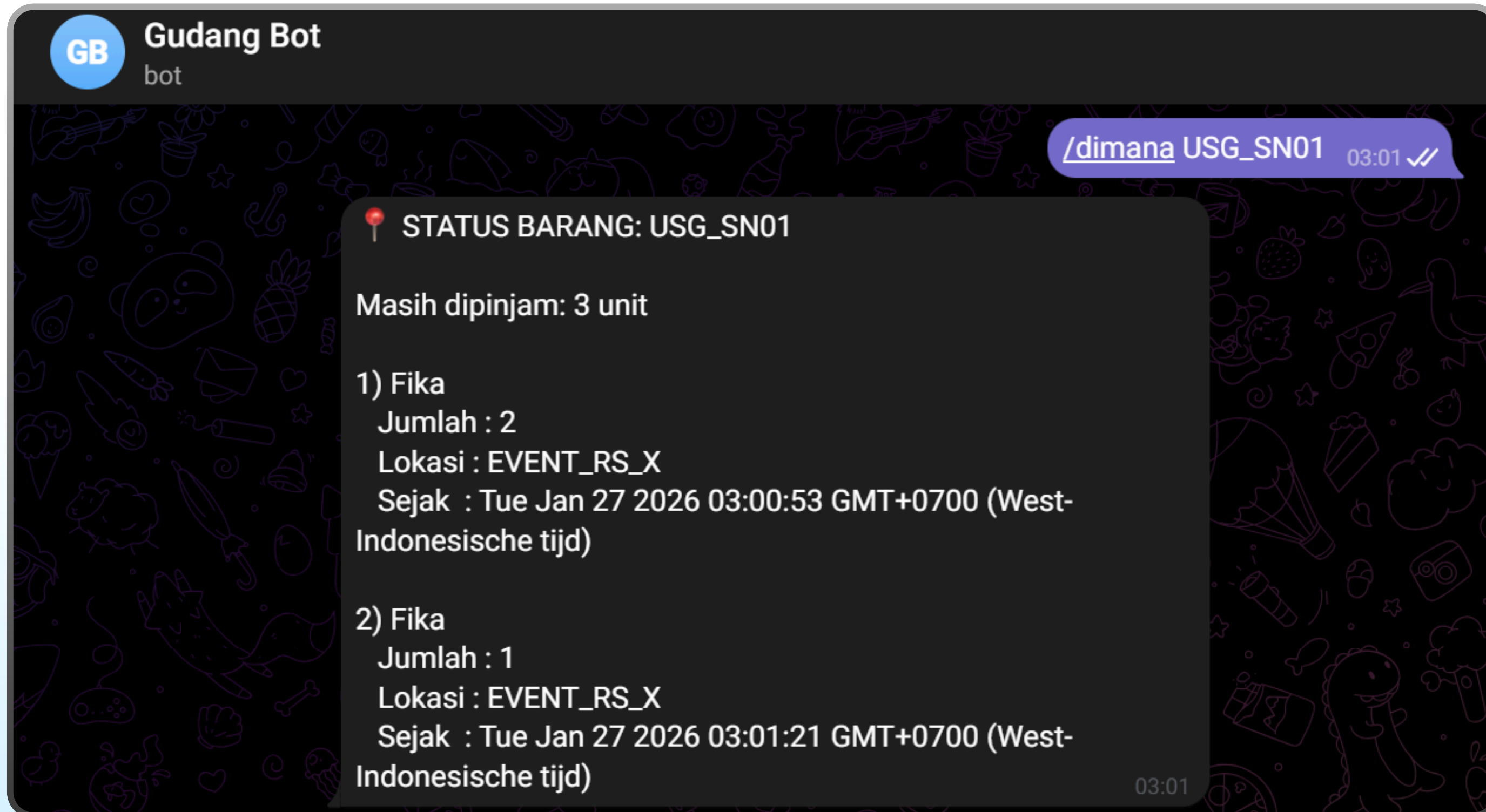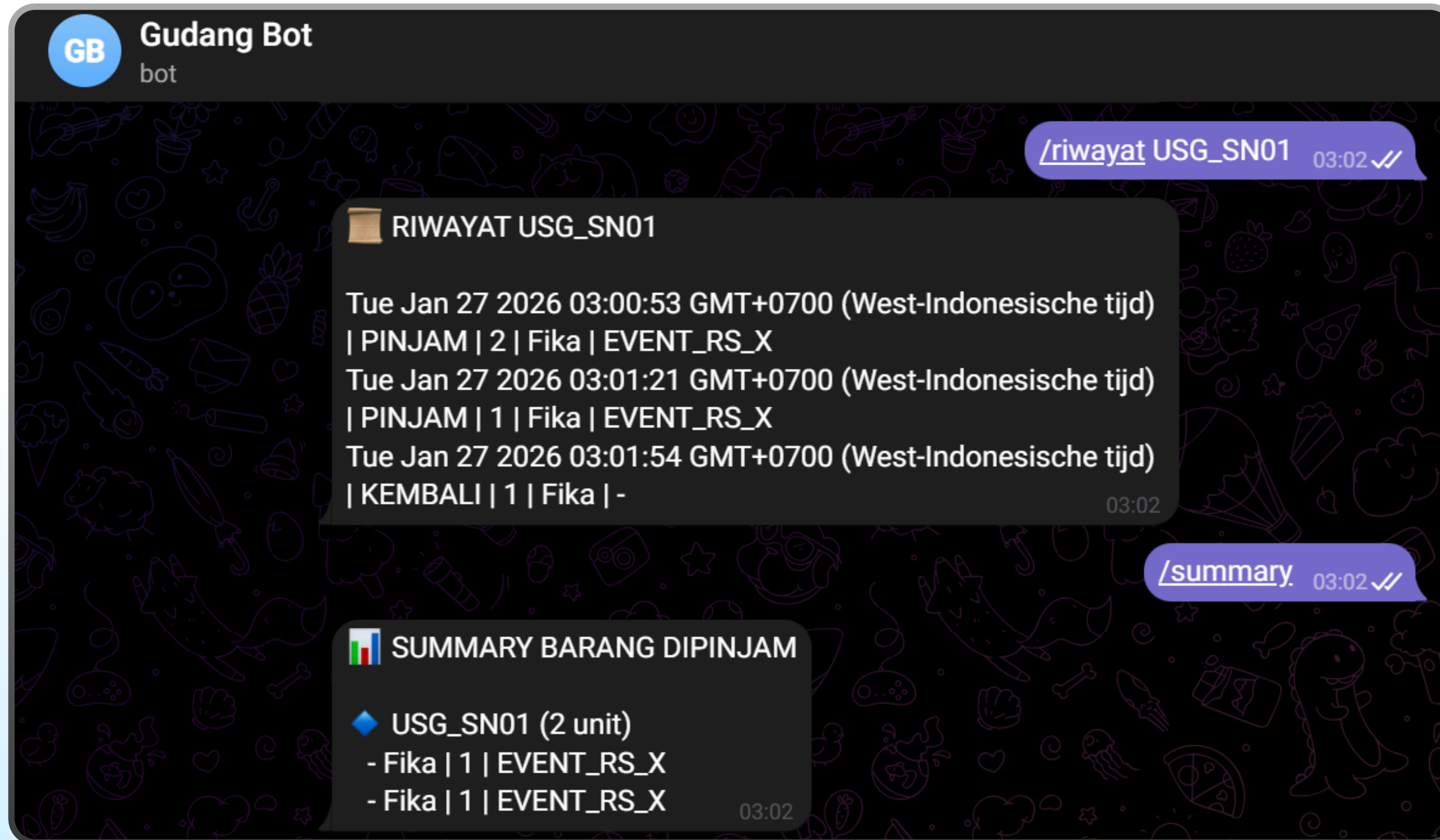Every transaction is recorded (who, when, status) to ensure transparency and minimize item loss.

User (Telegram)
↓
Telegram Bot
↓
Google Apps Script
↓
Google Sheets

Feature /pinjam

Feature /kembali

Feature /dimana

Feature /riwayat and /summary

Google Sheets as Database

	A	B	C	D	E	F
1	waktu	barang	jumlah	aksi	lokasi	user
2	1/27/2026 3:00:54	USG_SN01	2	pinjam	EVENT_RS_X	Fika
3	1/27/2026 3:01:21	USG_SN01	1	pinjam	EVENT_RS_X	Fika
4	1/27/2026 3:01:55	USG_SN01	1	kembali		Fika

Another inventory management system alternative

a) WhatsApp Manual
- Chat admin's WhatsApp number
- Admin records the data into Google Sheets

b) Google Form
- Click the link & fill out the form via WhatsApp
- Data is automatically connected to Google Sheets

c) WhatsApp Chat Bot
- Chat the WhatsApp bot number
- Bot verifies and records the data
- Data is synced automatically to Google Sheets