



CredPOS

The Comprehensive Blockchain POS Solution

****Full Feature Technical Breakdown****

Founder: Pandu Dargah

1. Secure Authentication Architecture

CredPOS prioritizes merchant security from the very first interaction. We utilize industry-standard OAuth 2.0 protocols to ensure safe and frictionless access.

Google Identity Services (OAuth 2.0)

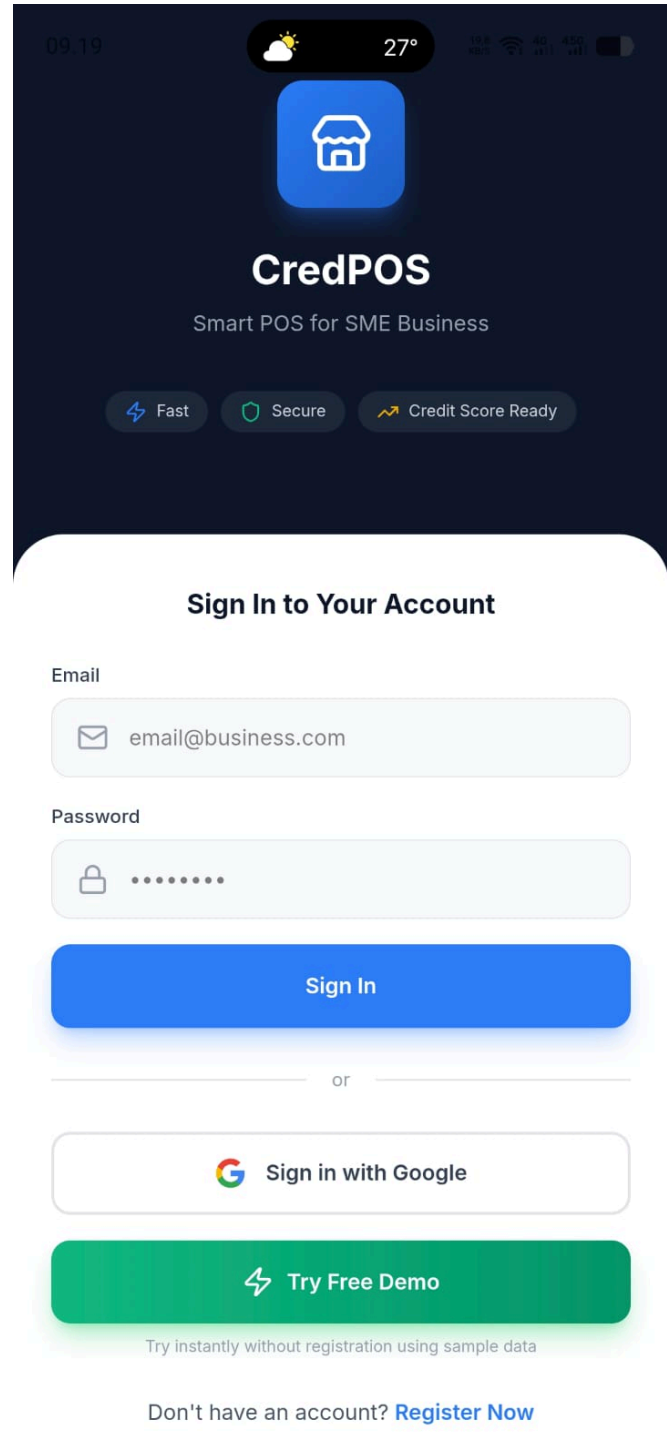
Eliminates password fatigue and phishing risks. Merchants log in instantly using their verified Google accounts.

Account Verification Logic

The system automatically extracts user metadata (Name, Email, Photo) to create a personalized profile (e.g., "PANDU CARD") without manual input.

Cloud Session Management

Secure session tokens via Firebase Auth maintain login state even when the app is closed.



The image shows a mobile app interface for CredPOS. At the top, there's a status bar with the time 09:19, a weather icon showing a sun and cloud, the temperature 27°, and various system icons. Below the status bar is a blue square icon with a white storefront symbol. The app name "CredPOS" is displayed in large white letters, followed by the tagline "Smart POS for SME Business" in smaller white text. Below this are three rounded rectangular buttons: "Fast" with a lightning bolt icon, "Secure" with a shield icon, and "Credit Score Ready" with a bar chart icon. The main section is titled "Sign In to Your Account" in bold black text. It contains two input fields: "Email" with a placeholder "email@business.com" and a password field with masked characters ".....". Below these is a large blue "Sign In" button. A horizontal line with the word "or" in the center separates the email/password login from the Google login option. The Google login option consists of the Google "G" logo and the text "Sign in with Google". Below this is a large green button with a lightning bolt icon and the text "Try Free Demo". Underneath the green button is a small line of text: "Try instantly without registration using sample data". At the bottom, there's a link that says "Don't have an account? [Register Now](#)".

2. Real-Time Financial Command Center

The dashboard serves as the central nervous system for the MSME, providing instantaneous visibility into financial health and blockchain status.

⚡ Live Revenue Telemetry

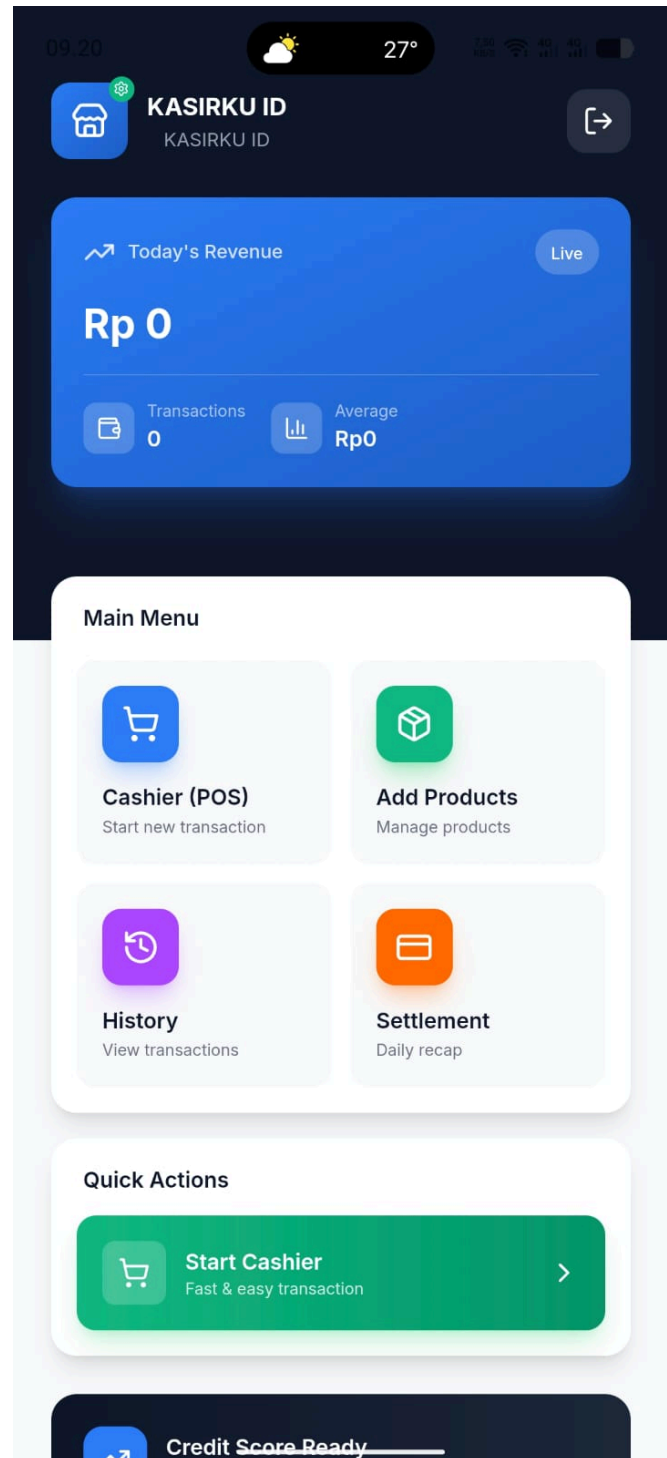
Aggregates sales data in real-time (0.01ms latency). As seen in the visual, the system handles zero-state (Rp 0) to active states seamlessly.

🔗 Blockchain Readiness Indicator

The "Credit Score Ready" card (bottom module) visually confirms the connection to the Tezos Node, building user trust in the Web3 backend.

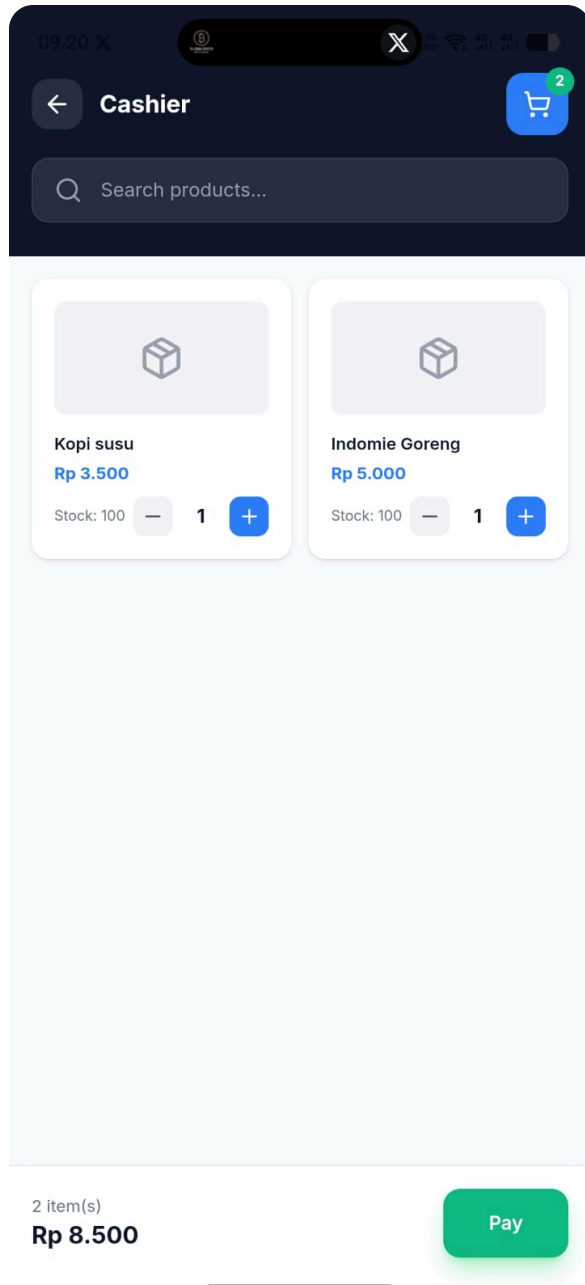
📊 Smart Navigation Grid

One-tap access to critical modules: POS, Product Management, History, and Daily Settlement.



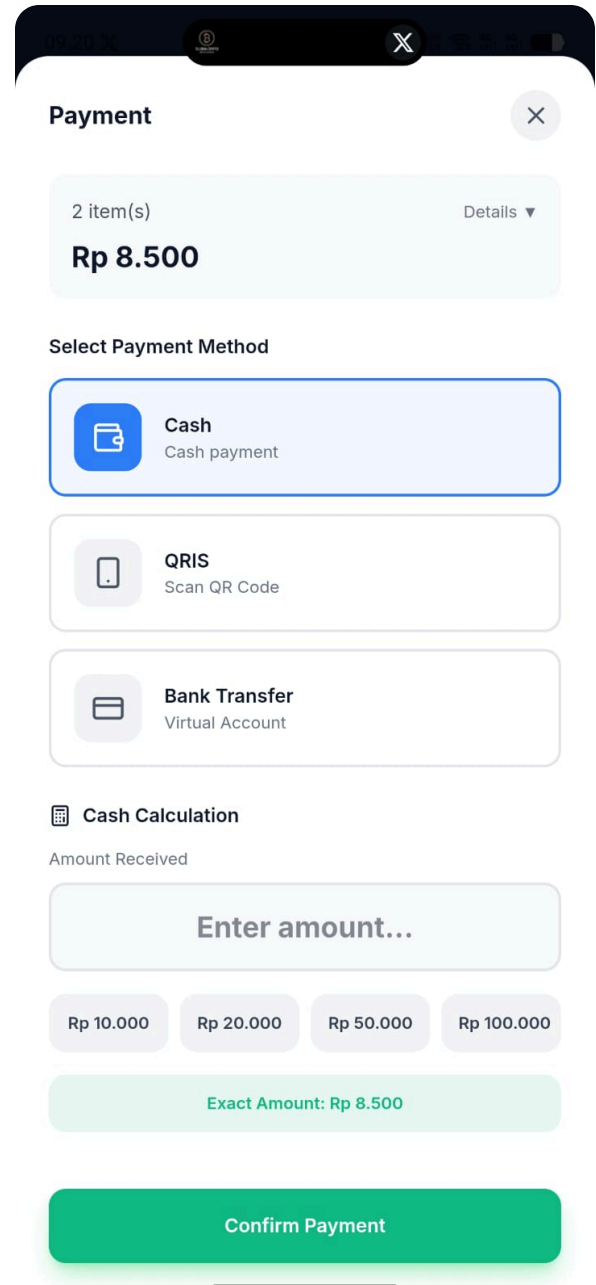
3. High-Velocity Transaction Engine

Engineered for speed. We reduced the checkout process to just 3 taps to accommodate high-traffic retail environments like 'Warungs'.



Dynamic Cart & Stock Logic

Real-time calculation (e.g., Rp 8.500 total). Automatically checks inventory ("Stock: 100") before adding to cart to prevent overselling.



Smart Cash Algorithms

Quick-select denominations (10k, 20k, 50k, 100k) eliminate manual entry errors and speed up change calculation for cashiers.

4. Digital Inventory Management

Moving away from paper notebooks, CredPOS allows merchants to digitize their entire catalog with detailed attributes.

Stock Keeping Units (SKU)

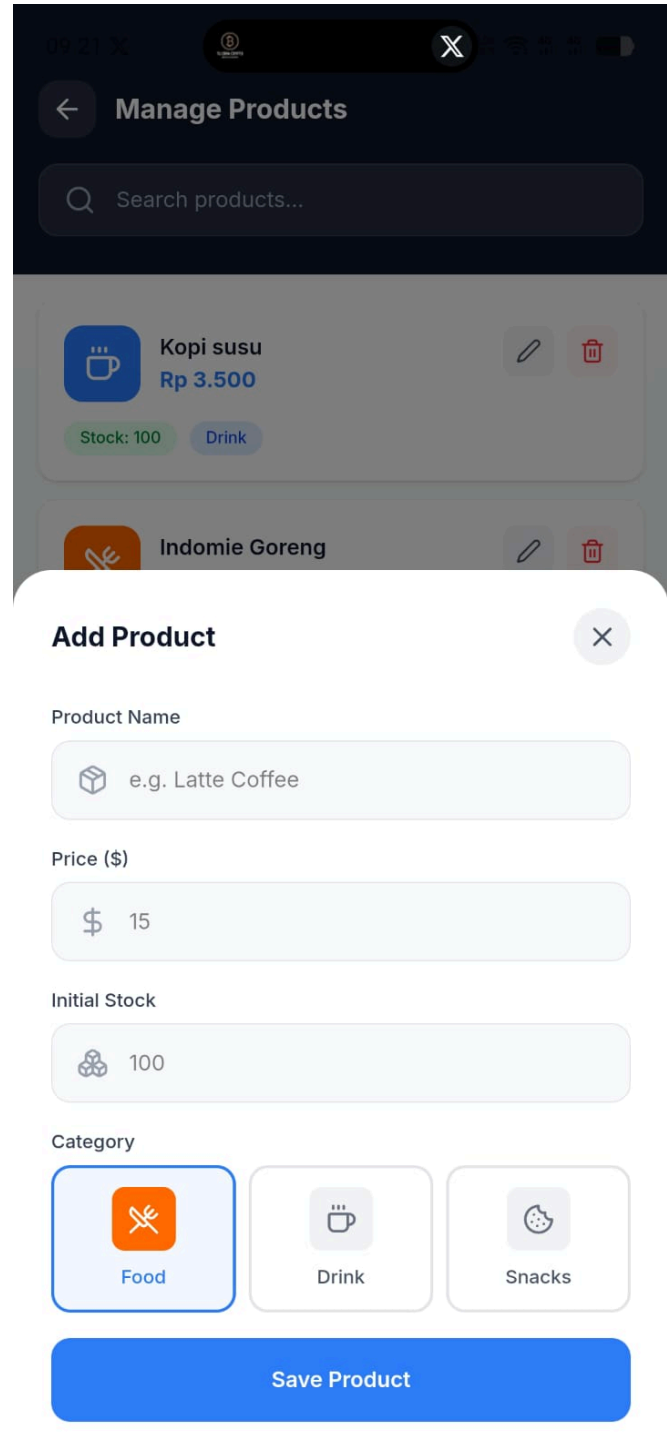
Merchants can define Product Name, Price (Multi-currency support), and Initial Stock levels.

Categorization Logic

Built-in category tags (Food, Drink, Snacks) optimize the search algorithm in the POS interface, making item retrieval faster.

CRUD Operations

Full Create, Read, Update, Delete capabilities connected directly to the Firebase Realtime Database.



09:21 X

Manage Products

Search products...

Kopi susu
Rp 3.500
Stock: 100 Drink

Indomie Goreng

Add Product X

Product Name
e.g. Latte Coffee

Price (\$)
\$ 15

Initial Stock
100

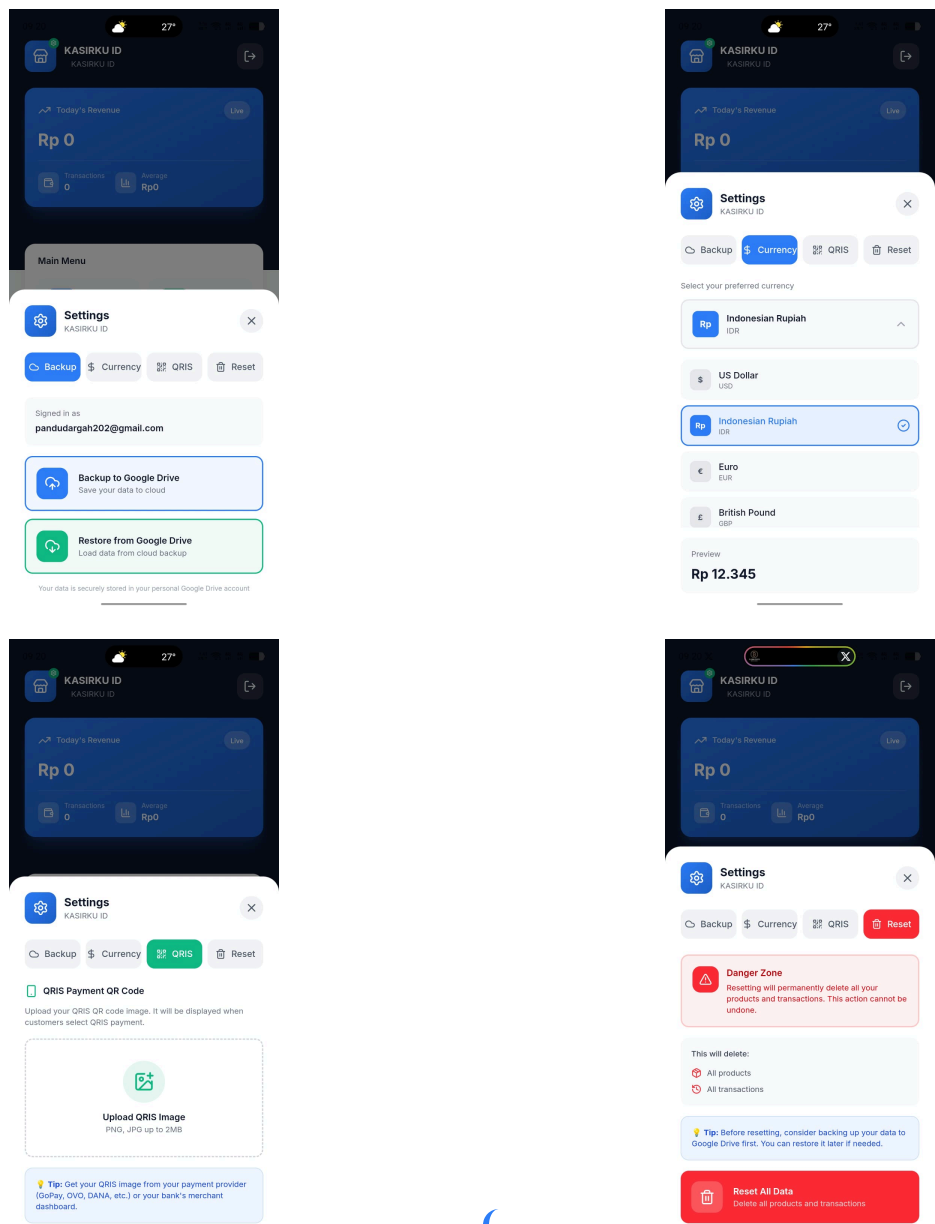
Category

Food Drink Snacks

Save Product

5. Robust System Configuration

A professional-grade system requires comprehensive control. CredPOS provides enterprise-level settings for data sovereignty and scalability.



Cloud Backup & Sovereignty
One-click backup/restore to personal Google Drive. Ensures user owns their data.

Dynamic QRIS Integration
Merchants can upload personal QRIS codes for seamless cashless payments.

Global Scalability (Currency)
Supports IDR, USD, EUR, GBP. Ready for international deployment beyond Indonesia.

Data Lifecycle Control
"Danger Zone" allows complete data reset for testing or device handover.