



PT Hanz Kode Terpadu

PT Hanz Kode Terpadu (HanzCodes)

Company Profile

A local AI start-up from Jombang for small businesses, the public, and government agencies in East Java.

October 2026 edition

About us

PT Hanz Kode Terpadu is an AI start-up and software developer in Jombang Regency, East Java. The business has operated since 2022 under the name HanzCodes. In 2026 it became a legal entity, a single-shareholder limited company (perseroan perorangan). We still use HanzCodes as our short name.

We work on two tracks. For the public and micro and small businesses (UMKM), we make apps that are free to use, including two AI apps that run on a phone without internet. For regional governments, regional government-owned companies (BUMD), and private companies, we build applications, networks, servers, and AI installed on the client's own premises, so the data does not leave the office.

Legal form	Single-shareholder limited company, established 2026
Registered office	Jombang Regency, East Java
Field	Software, network, and AI development
Led by	Mohammad Hilmi Bisri, S.Kom., Founder and Director
Procurement	Local small business, listed on the government e-Katalog

Vision

Government agencies in East Java can use applications and AI that run on their own servers, with their data kept in the office.

Mission

- Build applications that follow the agency's existing workflows.
- Install systems on the client's own servers, so the data stays in their hands.
- Keep supporting clients after the project ends.
- Provide free apps for the public and small businesses.

How we work

Honest about scope	From the start, we say what we can and cannot yet do.
Client-owned data	Ownership and control of the data stay with the client.
Easy to reach	Clients contact the person who built their system, even after the project ends.
Within budget	Scope is fitted to the available budget ceiling, with no hidden costs.

Sources of revenue

Stream	For whom	How they pay
Application, network, and AI projects	Regional governments, BUMD, companies	One-off payment for a usage licence, then a maintenance contract if wanted
Small business packages	Small businesses	Fixed prices from IDR 200,000, paid online
Free apps	The public and small businesses	Free. Voluntary support goes towards server costs

Services

Applications and system integration

Web and mobile apps built around office workflows, official websites, data exchange between systems to the SPBE e-government standard, and maintenance and updates for old applications abandoned by their developers.

Networks, servers, and security

Office networks and Wi-Fi, on-site or rented servers, encrypted data backups with recovery guides, and security vulnerability checks.

AI on the agency's own server

A question-and-answer assistant for office documents. Staff ask questions in plain language, and each answer refers to the original document. We have built and tested this system in our own environment. It is not yet installed at any agency.

Advisory and training

IT health checks and SPBE readiness reviews, digitalisation plans for 1 to 3 years, and technical training for staff who use the applications.

Details of all 43 services are in the Product and Service Catalogue: hanzcodes.my.id/en/documents/product-and-service-catalogue

Why use your own server

Data location	Stored on the agency's server, not sent to third parties.
Personal data protection	Helps the agency meet its obligations under Law (UU) No. 27 of 2022.
Cost	Licence paid once, with no monthly rental.
Internet	Core systems keep running on the office network when the internet is down.
Support	Clients contact the person who built their system directly.

Products

These apps open in a phone browser, with no download from the Play Store. Five of them are free.

App	What it does	Status
BukuGembok bukugembok.hanzcodes.my.id	A shared cash book that no one can change in secret. For neighbourhood groups, arisan, and farmers' groups. Works offline.	Ready to use
QRIS-EDC qris-edc.hanzcodes.my.id	Turns a phone into a QRIS till for traders and small businesses. Customers scan a QRIS code with the amount already set.	Ready to use
NotaKita notakita.hanzcodes.my.id	A record of informal loans between neighbours. Agreed entries cannot be changed by one side.	Ready to use
SAVIS savis.hanzcodes.my.id	Phone-based AI that estimates nutrient deficiencies in soybeans from a leaf photo, offline. AI model from research by Hasby Asshiddiqi, app by HanzCodes.	Ready to use
LMS Adaptif lms.hanzcodes.my.id	Online learning system that suggests lessons from a pre-test and marks short essays automatically. Current subject: grade 11 senior high school biology.	Ready to use
Digital signatures	Electronic signatures for PDF documents, installed on the client's own server. The signatures are uncertified electronic signatures.	On request
JombangSatu jombangsatu.hanzcodes.my.id	A sample one-stop public service portal for demonstrations. Not an official service of the Jombang Regency Government.	Prototype

Proofs of concept for government

Name	Description	Status
AI Document Assistant	Answers questions from an agency's PDFs and cites the source page. Runs on a local server without cloud services. A demonstration can be arranged if a server with a graphics card (GPU) is available.	Tested internally
Unit Price Data Centre	A database of standard unit prices for goods and services, replacing Excel files.	In development
Public Service Sentiment Analysis	Summaries of public opinion from satisfaction surveys, per service unit.	In development

What the status labels mean

Label	Meaning
Ready to use	Open to the public now.
On request	Installed on the client's server once ordered.
Prototype	A demonstration example, not an official service.
Tested internally	Built and tested in our own environment, not yet installed at any client.
In development	Partly built, not yet ready to demonstrate.
Design stage	Not built yet. Work starts after an order and a needs assessment.

Track record

Our work since 2022. We list internships, research, and competitions as they are, separately from client work.

Client work

- Profile websites for Islamic boarding schools (pesantren), schools, and small businesses, since 2022.
- Tjampaka Ornamen (tjampaka-cutting.netlify.app), a CNC plasma sheet-metal cutting workshop: a website with a catalogue, a cutting cost estimator that reads CAD drawing files, and ordering via WhatsApp, plus an inventory system for incoming and outgoing stock.

Field experience

Islamic boarding school, while studying there (until 2022): more than 60 computers and Windows Server, fibre-optic links between buildings, 15 Wi-Fi access points, MikroTik configuration, and a monitoring dashboard for servers and IoT devices.

Internships and programmes at institutions

Where	Period	Role	Work done
Ministry of Religious Affairs, Jombang Regency office	Jan-Feb 2025	Web developer (intern)	Web features and bug fixes for an old application, a public satisfaction survey app (SimpelMas), and the Kembangdaman Android app
BIMA, Kemdiktisaintek	Aug-Dec 2025	Research assistant (intern)	Graph neural network and rule-based models for data analysis, an LMS application, backend services, CI/CD
SMAN 3 Pamekasan (state high school)	Sep-Nov 2025	Network administrator (intern)	MikroTik, Ubiquiti, and Xiaomi routers and access points, office network, bandwidth allocation, lab support
NF Academy, STT Terpadu Nurul Fikri	Feb-Jun 2025	Mobile developer, Independent Study programme	Flutter apps and a backend on a Linux VPS. Final project: a school attendance and tuition fee (SPP) payment app
MA Darussalam (Islamic high school)	2020-2022	Lab administrator (intern)	Maintenance of lab computers and network, training lab assistants

Research, thesis, and competitions

- Undergraduate thesis: a learning management system (LMS) with semantic search and automatic essay scoring (BGE-M3). It has since become LMS Adaptif.
- Research with lecturers: an adaptive LMS based on graph neural networks, a class management LMS, and server security with a WireGuard VPN.
- PIDI Digdaya X Hackathon 2026 (Bank Indonesia and LPPI): QRIS-EDC, an inflation telemetry dashboard, and an alternative credit scoring model.
- Coursework: a tourist destination recommender for Lamongan, and a time-series forecasting app using the decomposition method.

Founder

Mohammad Hilmi Bisri, S.Kom., Founder and Director

Hilmi began building web applications, point-of-sale systems, and local servers for small businesses in 2022 under the name HanzCodes. In 2026 he founded PT Hanz Kode Terpadu.

Before that, he built and maintained the network and computers at the Islamic boarding school where he studied. He gained experience in government and education through internships, including at the Jombang Regency office of the Ministry of Religious Affairs and the BIMA programme of the Ministry of Higher Education, Science and Technology (Kemdiktisaintek).

His focus now is applications and AI that run on the client's own servers, for organisations whose data must not leave the office.

Education: Bachelor's degree (S1) in Information Systems, Universitas Trunojoyo Madura, 2022-2026.

Credentials

Registered with state bodies	Copyright record at DJKI (intellectual property office): Adaptive E-Learning untuk Mata Pelajaran Biologi, no. EC002025142219, 29 September 2025. BNSP (national certification agency) competence certificate: Junior Mobile Programmer, no. 620192514301484332025, valid until July 2028.
Government programme	Digital Talent Scholarship, Ministry of Communication and Informatics (Kominfo): Associate Network Administrator and Associate Computer Network Technician.
Bank Indonesia competition and programmes	PIDI Digdaya X Hackathon 2026 (Bank Indonesia and LPPI): participant entry, Essential Training Program, and Practitioner Training Program.
Industry certificates and training	TP-Link Omada Certified Network Associate, valid until March 2028. EF SET. Six AI and machine learning courses from Dicoding Indonesia, including generative AI development with LLMs and building machine learning systems.

The copyright can be checked at pdki-indonesia.dgip.go.id. Other certificates are on the founder's LinkedIn profile.

Check for yourself



Founder page
hanzcodes.my.id/en/founder



LinkedIn
linkedin.com/in/hilmibisri20



GitHub
github.com/hanzamas

How to work with us

Step	What happens
1. Needs discussion	We listen to your problems and workflow. There is no charge.
2. Quotation	Scope, schedule, and price are agreed in writing.
3. Development	We build the system within the agreed scope.
4. Installation and training	We install the system on your server, then train your staff to use it.
5. Handover	The handover report (BAST) is signed and the warranty period begins.
6. Warranty and maintenance	Bug fixes for 6 months. After that, maintenance under a separate contract.

Procurement methods

e-Katalog	PT Hanz Kode Terpadu is listed on the government e-Katalog. Supplier profile: katalog.inaproc.id/hanz-kode-terpadu
Direct procurement	For work within the threshold. Under Presidential Regulation (Perpres) 46/2025, it is IDR 200 million for goods and other services and IDR 100 million for consultancy.
Local small business	Perseroan perorangan (single-shareholder company), the legal form for micro and small businesses, based in Jombang Regency. Agencies must spend at least 40% of their procurement budget on micro and small firms and cooperatives.
Budget	We fit the scope to the budget in the agency's SiRUP procurement plan or DPA budget document. We do not split one job into several packages to fit the direct procurement threshold.

Pilot partner programme

For the first agency to use one of our systems: closer support during installation and the early period of use, a lower first-stage fee than our standard rate, and a longer warranty. We publish a case study only with the agency's written permission.

Legal details

Name	PT Hanz Kode Terpadu
Legal form	Single-shareholder limited company
Director	Mohammad Hilmi Bisri, S.Kom.
AHU registration	AHU-A086766.AH.01.30.Tahun 2026
NIB	0805260002606 (business ID number)
KBLI code	62090, Aktivitas Teknologi Informasi dan Jasa Komputer Lainnya (KBLI 2020)
NPWP	100.000.000.9-573.178 (tax ID number)
Tax status	Not registered for VAT (non-PKP)
Procurement	Listed on e-Katalog, SiKAP, and SPSE

Contact

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