

odo

-PT Tempeh Chips Indonesia-

**Created By JOY**

# Introduce Our Team !



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Next





# **WHAT IS PT TEMPEH CHIPS INDONESIA?**

# Current State Process Flow



## Order Management

Sales Order from China  
(Authorized Distributor)

- Received via email/manual
- Internal make SPK
- Proceed to production process



## Material Availability

Production/PPIC team manually checks the stock of materials in the warehouse.

If not enough:

- Make purchase request to purchasing
- Order to local supplier (manually via WA or phone)



## Product Formula Validation

Production team manually check the formula

- Communication is done via WhatsApp/Chat
- Create a new SPK (manual)
- Formula updates are stored in an unstructured manner

# Current State Process Flow



## Manual Production

- Performed in parallel and synchronized manually
- No time/duration recording system for each process



## Packing & Shipping Manual packing

- Manual labeling and expiration date writing
- Manual transportation letter
- Shipping to China/US using expedition based on production batches
- Manual transportation letter
- Shipping to China/US using expedition based on production batches



## Quality Control (QC)

- QC done visual and taste only
- Take samples after mixing
- No digital SOP or checklist form
- Samples are kept (10 pcs) for manual tracking

# Current State Process Flow



## Warehouse & Inventory

- Raw materials and finished goods are stored in 1 warehouse, divided into sub-areas
- No warehouse management system
- Stock-taking is done manually



## Finance & Accounting

- Use separate software from production
- Can't backdate invoices
- Not integrated with operations

### Challenges:

- > Unable to monitor exchange rate gain/loss
- > No automatic aging reports available
- > Need to open multiple software to get comprehensive reports

# *PRODUCTION*

*-PT Tempeh Chips Indonesia-*

.1

## Main Problem

## Production

Model Production (MTO & MTS)

Difference in product formulas by country.

Formula changes are undocumented

Production is done in stages and is unstructured

Quality control is manual and non-standard

# *Business Challenges & System Requirements*

## Model Production (MTO & MTS)

Primary Cause	System Requirements
No clear distinction between MTO and MTS in POs and production orders	Add flags to differentiate MTO vs MTS on POs and production orders
Manual data entry and lack of automation	Automate PO → Production → Procurement flow for both MTO and MTS
No automated communication between departments	Enable real-time inter-department notifications
No dynamic forecasting or reordering for MTS	Auto-generate reorder rules based on demand and stock levels
Manual procurement triggered only after production order approval	Trigger automatic procurement upon production order approval
No integrated system for real-time process monitoring	Provide real-time dashboard tracking for PO → Production → Procurement

 High Priority

# *Selected Odoo Modules & Justifications*

## Model Production (MTO & MTS)

01

### Sales, Manufacturing, Inventory

Enables smooth flow from customer order to production and inventory updates

04

### Earned Media

Improves stock planning and production based on demand trends and inventory levels

02

### Search Engine Marketing

Supports full MTO and MTS cycle from order to procurement and inventory fulfillment

05

### Email Marketing

Automates procurement once production is scheduled and tracks raw material usage in real-time

03

### Account Based Marketing

Facilitates real-time communication across departments during sales and production processes

06

### Industry Events

Provides end-to-end process visibility and data-driven decision making through reporting

# *Business Challenges & System Requirements*

Difference in product formulas by country.

<b>Primary Cause</b>	<b>System Requirements</b>
No multi-level BOM system based on country	Implement multi-BOM management per export country
No validation of destination country when selecting BOM	Automate BOM validation by customer/country
BOM lacks versioning/formula specific to each market	Create BOM versions with change logs specific to each country
Labels and nutritional info not linked to country-specific BOM	Integrate BOM with labels and packing lists based on country-specific formula



High Priority

# *Selected Odoo Modules & Justifications*

Difference in product formulas by country.

## **Manufacturing, PLM**

Supports multi-level BOM management and production processes customized per country

## **Studio, Manufacturing**

Allows customization and automation of workflows related to BOM and manufacturing

## **PLM**

Manages BOM versions, tracks formula changes, and controls product lifecycle across markets

## **PLM, Quality, Document**

Ensures quality control and links product documentation, including labels and nutritional info, to BOM

# *Business Challenges & System Requirements*

Formula changes are undocumented

Primary Cause	System Requirements
No versioning or market-specific BOM/formula	Implement BOM versioning with market-specific formulas
No formal approval process for BOM revisions	Establish formal BOM revision approval workflows
Lack of change history or audit trail for BOM	Enable BOM audit trail and change history tracking
Formula files stored manually (Excel, PDF)	Centralize BOM data and formula storage in an integrated system

 High Priority

# *Selected Odoo Modules & Justifications*

Formula changes are undocumented

## **PLM, Notes, Discuss**

Supports collaborative updates and team discussions for BOM revisions

## **PLM, Manufacturing**

Integrates BOM versioning with manufacturing processes for accurate production

## **PLM**

Provides version control, audit trails, and formal approval workflows

## **PLM, Document, Studio**

Centralizes formula documents and enables custom workflows and automation

# *Business Challenges & System Requirements*

Production is done in stages and is unstructured

Primary Cause	System Requirements
	Define production stages with work centers and structured routing
- No work center or routing system currently in use	Implement routing with lead times and process dependencies
- Production stages not modeled as sequential process	Create sub-manufacturing orders for each stage with quantity tracking
	Apply quality control at each production stage
	Provide visual production dashboard and systematic data entry forms

 High Priority

# *Selected Odoo Modules & Justifications*

Production is done in stages and is unstructured

## **Manufacturing, Work Center, PLM**

Supports defining production stages with work centers, routing, and BOM management



## **Manufacturing, Planning**

Enables production planning with routing, lead times, and process dependencies



## **Manufacturing**

Manages manufacturing orders including sub-orders and quantity tracking



## **Quality, Manufacturing**

Integrates quality control checks at each production stage



## **Manufacturing, Studio, IoT**

Allows customization of workflows and potential IoT integration for real-time production monitoring



# *Business Challenges & System Requirements*

Quality control is manual and non-standard

Primary Cause	System Requirements
No QC points implemented	Implement digital QC checkpoints with checklists
No written inspection standards	Develop accessible digital SOPs and inspection guidelines
QC results not documented	Establish integrated digital QC recording linked to production



High Priority

# *Selected Odoo Modules & Justifications*

Quality control is manual and non-standard

01



## **Quality**

Enables setup and management of QC checkpoints and inspection criteria

02



## **Quality, Document Management**

Provides digital SOPs and inspection guidelines accessible to staff

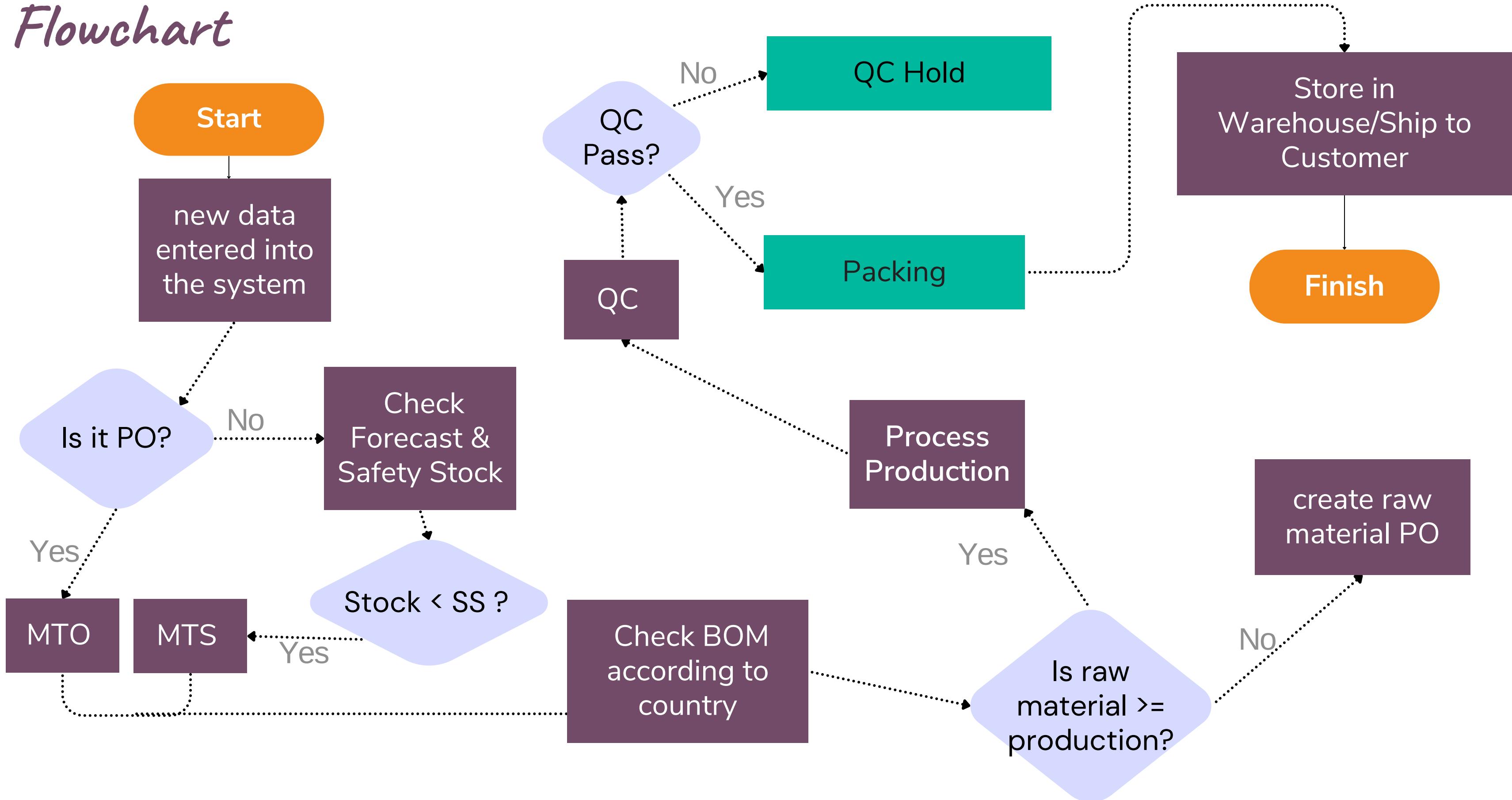
03



## **Quality, Manufacturing**

Integrates QC results directly with production processes for traceability and continuous improvement

# Flowchart

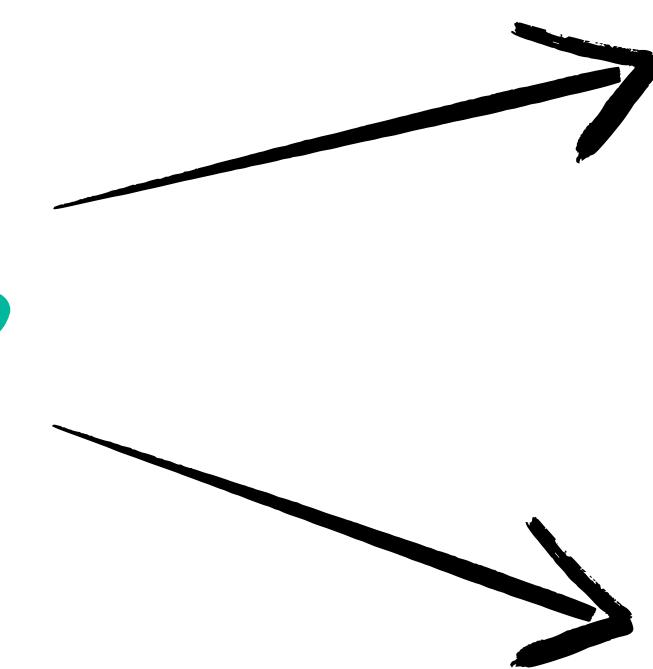


# WAREHOUSE

-Warehouse, Procurement, Expired & Integration-

*Main Problem*

*Warehouse*



Production Delays Due to  
Raw Material Availability

Inefficient Inventory  
Management

# Business Challenges & System Requirements

Primary cause	System Requirement
	Automatically deduct raw materials from inventory when used in production
	Alert or auto-create draft purchase orders when stock falls below minimum level
- No Automated Reordering Alerts	Automatically record finished products into inventory with accurate entry dates
- Incomplete Inventory Records (Only Quantity Tracked)	Automatically calculate product expiry dates based on shelf life
	Notify staff a few days before products are close to expiration
	Apply FIFO/FEFO logic to ensure proper product delivery sequence
	Prevent expired or nearly expired products from being shipped to customers

# *Selected Odoo Modules & Justifications*

## **Manufacturing, Inventory**

Ensures raw material are automatically deducted during production and finished goods are recorded.

## **Inventory, Purchase**

Automates purchase order creation based on stock alerts to avoid stockouts and production delays.

## **Inventory (Lots & Expiry Dates)**

Tracks product entry and expiry dates to prevent expired products from being shipped.

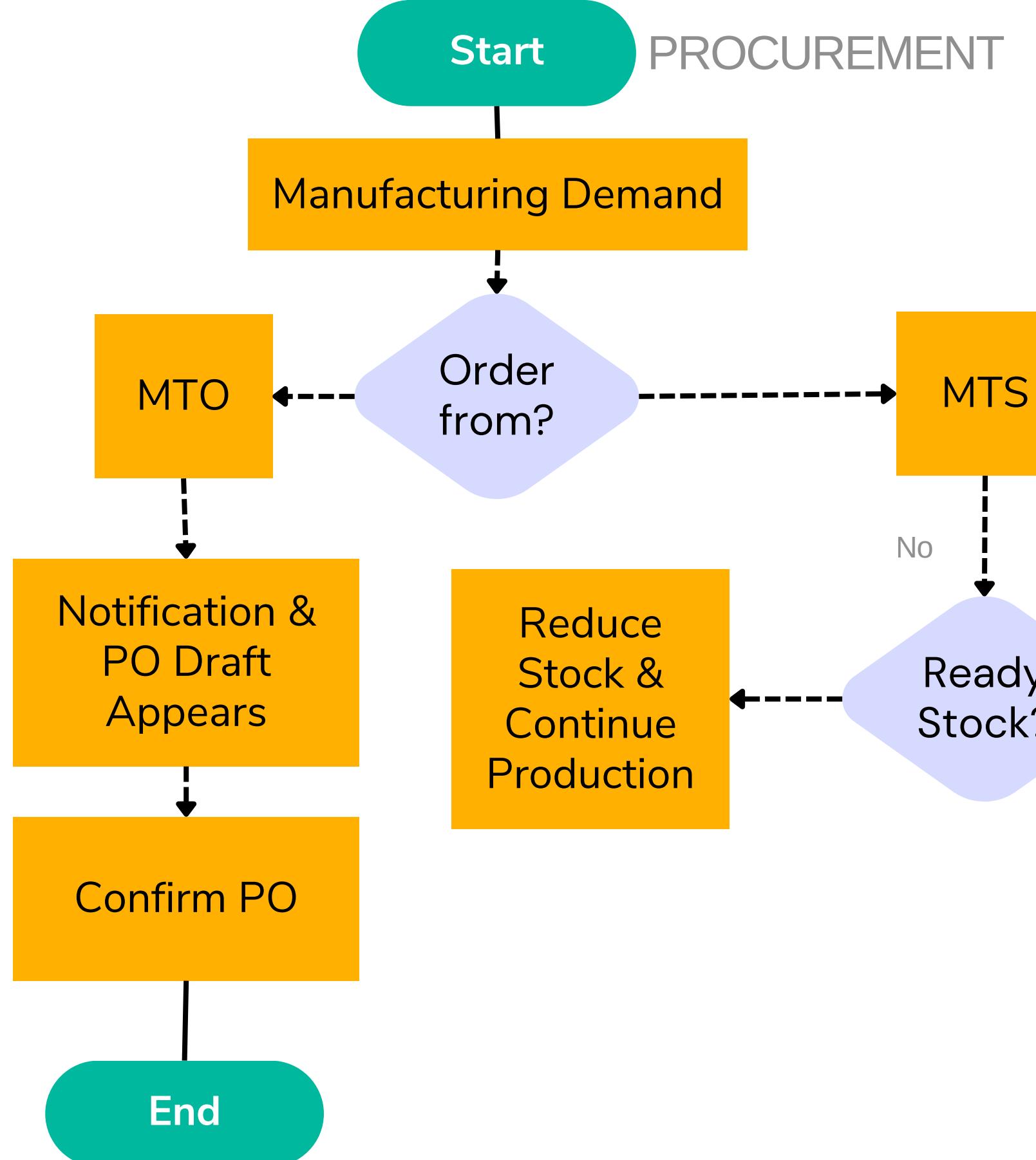
## **Inventory (Scheduled)**

Send notifications before products expire for proactive inventory management.

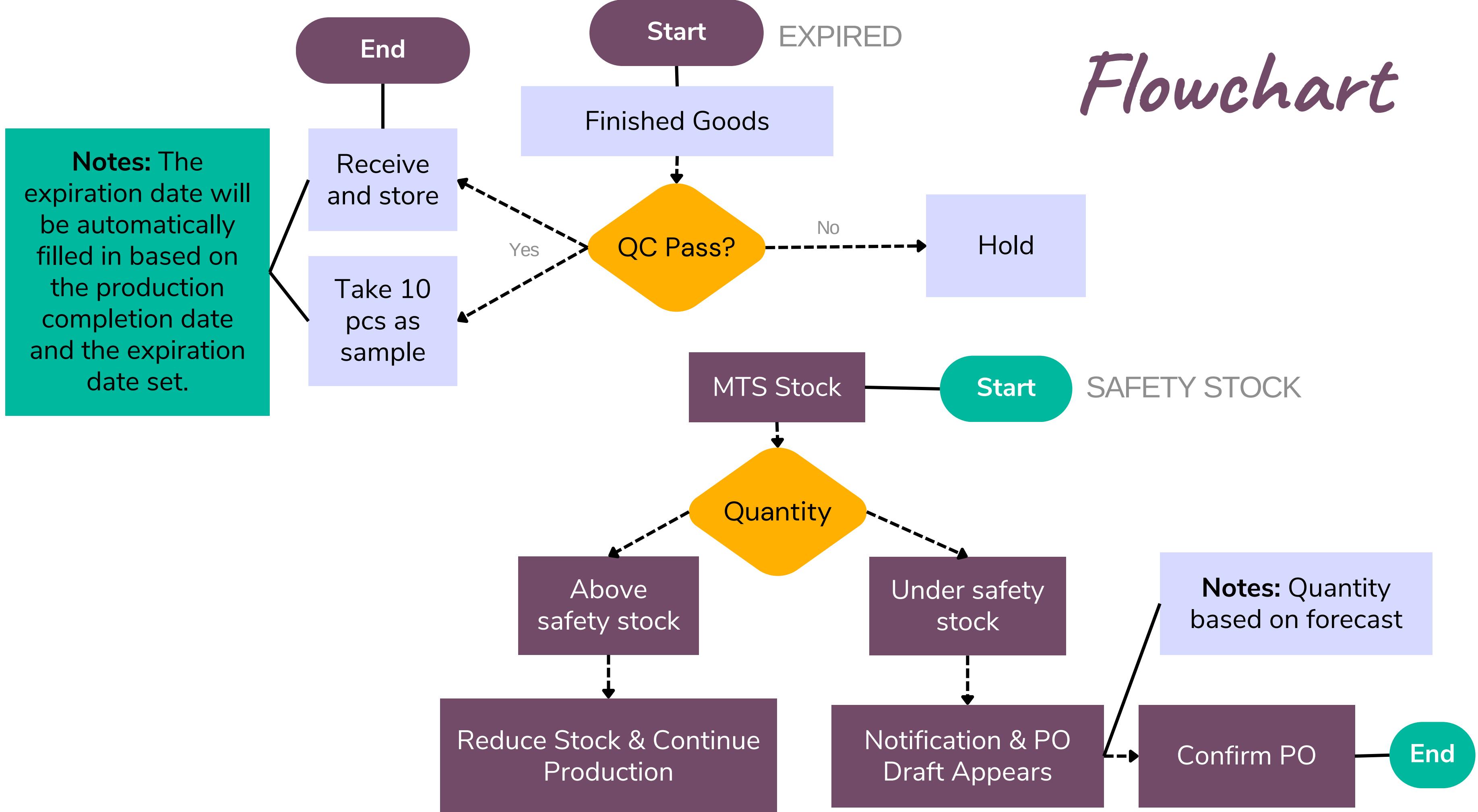
## **Inventory (Removal)**

Applies FIFO/FIFO to ensure products closest to expiry are shipped first, maintaining quality.

# Flowchart



# Flowchart



# ACCOUNTING

*-Sales, Finance, Global Pricing-*

## Main Problem

## Accounting

### Pricing

Tempeh Chips System sets one price for all markets

### Finance

The accounting system uses two different software and is still manual

### Target

Past implementations were rushed, leading to incompatible modules and extensive rework

# Business Challenges & System Requirements

Primary Cause	System Requirements
The system currently used by Tempeh Chips can only have one price for all markets.	The old system was only for one currency, so manual data export and import had to be carried out when there were transactions from the export country.

# Selected Odoo Modules & Justifications

**Sales (pricelist)**  
Pricelist feature that manages multiple currencies

**Accounting (currencies)**  
Can record transactions in currencies other than the company's base currency (IDR = Default)

## Business Challenges & System Requirements

Primary Cause	System Requirements
Can't (BackDate ) enter or process invoices with effective dates in the past	The system can enter transaction input in the past, (for example, an invoice for a transaction dated April 30, even though it was only inputted on May 5).
Financial reports cannot show Cash Flow Statement (operational cash inflow/outflow, investment, financing)	Provides cash flow reports in both operating activities and financing activities types.
Profit & Loss (Shows revenue vs. expenses in a period)	Provides a profit and loss report that shows the company's income and expenses over a specific period.
Aging of Accounts Payable & Receivable (Displays a list of receivables and ages (e.g., 0–30 days, 31–60 days, etc.)	Provides Aged Receivable and Aged Payable reports that can display the age of debts and receivables based on a certain period.

# *Selected Odoo Modules & Justifications*

Backdate, CashFlow, Profit & Loss and Aging of Accounts Payable & Receivable

## **Accounting (Lock Dates)**

The Lock Dates feature in the Accounting module of Odoo Enterprise Edition is directly related to the ability to backdate invoices.

## **Accounting (Profit and Loss)**

Can be displayed by time (monthly, quarterly, yearly). Can be customized per department, project, product, etc. using Analytic Accounting.

## **Accounting (Flow Statement)**

This feature by ensuring accounts are properly categorized: operating, investing, financing

**Accounting > Reporting > Aged Receivables**

**Accounting > Reporting > Aged Payables**

Display receivables with age (0-30 days, etc.) and display payables with similar age,

## Business Challenges & System Requirements

Primary Cause	System Requirements
There is no planning from phase to phase with milestone clear (Roadmap)	A milestone system that can track progress, measure success, and provide a reference point for evaluation.
The Implementation Team installed all the features at once, leaving employees confused about how to use the system.	A system that integrates every company department in the same database and every module and feature can be activated according to business needs.

# *Selected Odoo Modules & Justifications*

## Target and Milestone

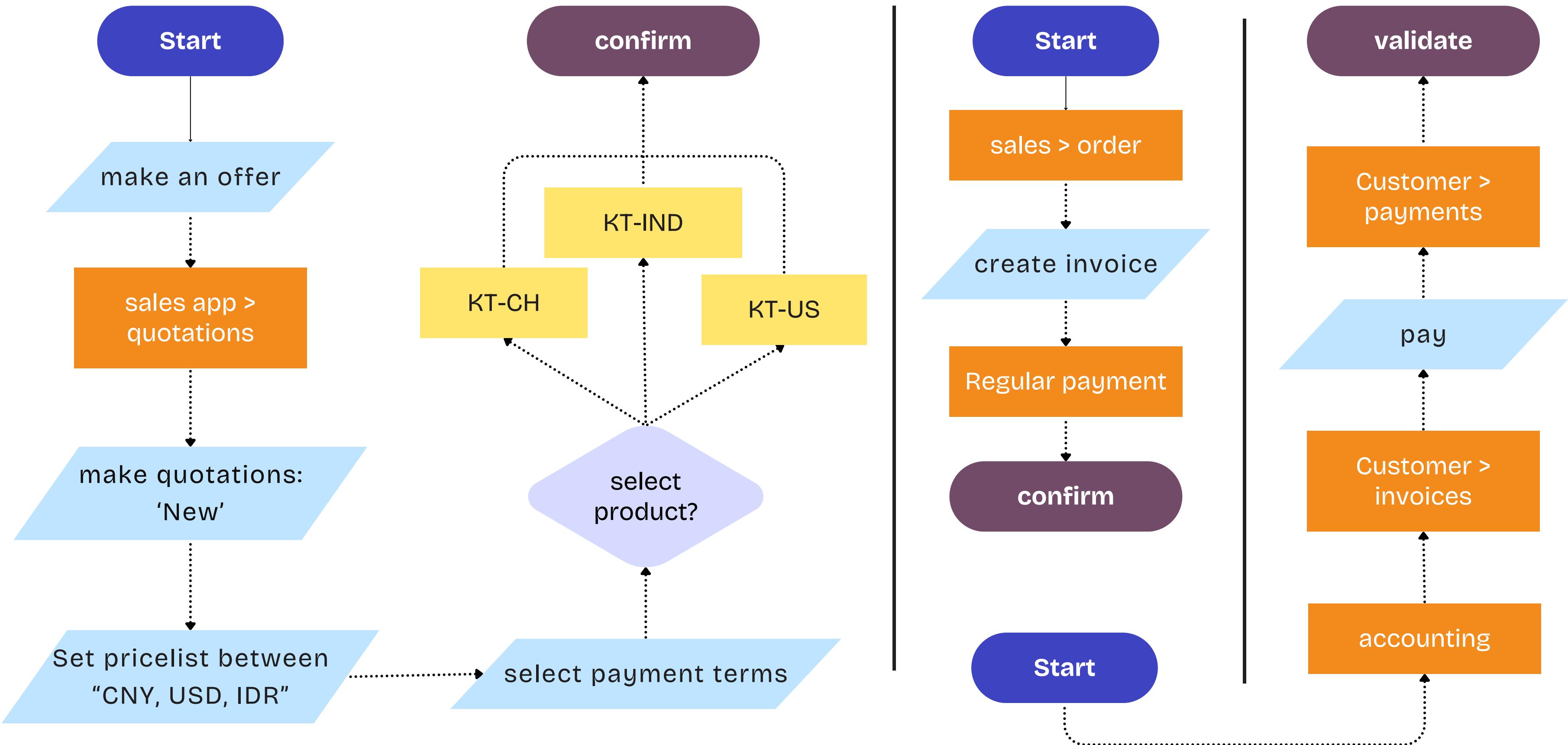
### **Project, Planning**

Providing milestones & tasks for each project undertaken

### **Role Management, E-Learning**

Provide access settings for required modules only and employee training

# Flowchart



## *Link Databases*

<https://tempeh-chips-indonesia-joy.odoo.com/odoo>

# Thank You

-JOY-

Scroll TikTok lihat yang lucu,  
Eh, malah nemu solusi baru.  
Bareng kami, problem kelar satu-satu,  
Joy the team, Odoo juara — no ragu! 😎💼