



Pallet Management Nilai System(PMNS)

IT DEPARTMENT



1.0 Introduction

Pallets are used to **stack, store, protect, and transport materials** in the course of being handled by materials handling equipment such as forklifts, pallet jacks or conveyors, being stored in racking or bulk storage or being positioned in transport vehicles.

Pallet Management System purposely developed to track the movement of pallet and helps warehouse staff Bangi Plastict Nilai to manage shipping time to time.



2.0 Objectives



Tracking

- To track the movement of individual pallet either in warehouse/ customer



Reduce Human Error

- Auto scan in and out movement of pallet which avoid duplication



Report

- Reduce Warehouse Officer workload by using auto generating packing report module and summary packing monthly report

3.0 System Features

#	FEATURES	ADMIN	Staff	Customer
1	User Login	●	●	●
2	Creating new and manage packaging,category and type	●	●	
3	Creating new shipment and manage shipment	●	●	
4	Remove shipment	●		
5	Add new customer	●	●	
6	Registering new user	●		
7	Shipping Summary report	●	●	●
8	Managing profile	●	●	●
9	Generating summary report	●	●	



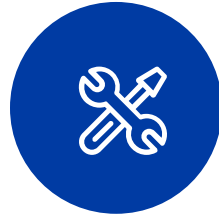
4.0 Teams



Kelvin Tan

IT Executive
IT Department

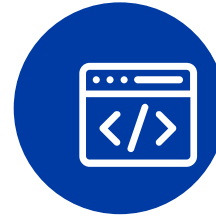
*Responsible in network,
domain and hosting
configuration*



Amar Syarifuddin

IT Support
IT Department

*Responsible in hardware
configuration(barcode print
and QR scanner)*



Nurul Hilwadiana

IT Programmer
IT Department

*Responsible in
designing,coding and
testing system*

Requirement & user testing by Nilai Team

- Mr Tee
- Mr Roslan
- Ms Masyitah
- Ms Arissa
- Mr Hazim



5.0 Project Timeline

#	TASK	PIC	2021															
			March				April				May				October			
Pallet Management System Nilai (PMSN)			W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W13	W14	W15	W16
1	Project kick off meeting	All	●	●														
2	Hardware Preparation	IT			●	●												
3	Development	IT					●	●	●	●	●	●	●					
4	UAT	IT													●			
5	User Training	User and IT													●			
6	Go Live & Test Run	All												●				
7	Documentation	IT															●	



6.0 Project Flow

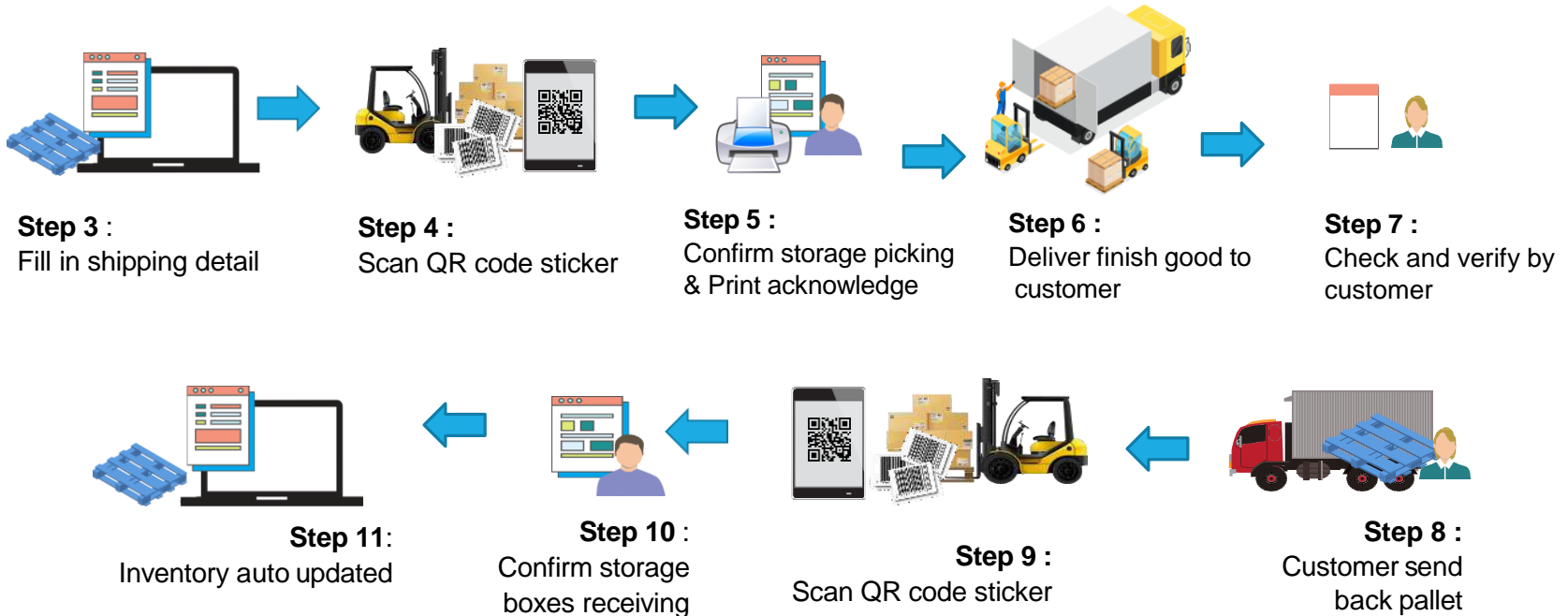
Step 1 : Print QR code sticker



Step 2 : Stick QR code sticker for every pallet to ship



6.0 Project Flow



7.0 Hardware Requirement

Tablet



QR Code Scanner



Access Point



Label Sticker



Ribbon



Label Printer



8.0 Project Budget

Project Cost				
No	Item	Quantity	Unit Price	Total
Hardware				
1	Tablet / PDA	1	600	600
2	Label Sticker - Cenic yupo 100x50mm x1000 pcs	50	34	1700
3	Label Sticker ribbon - resin 110x300mm	10	66	660
4	QR code Bluetooth Scanner	1	200	200
Grand Total				3160



9.0 Planning

Phase 1

- Confirm workflow
- Gather information from Warehouse Nilai
- Prepare Hardware and software
- Design database

Phase 2

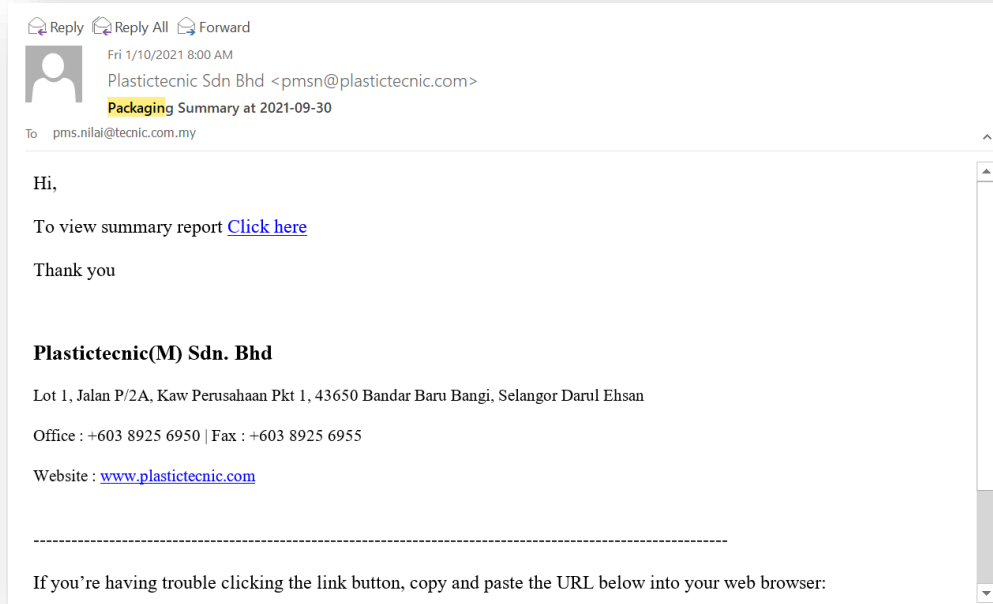
- Design UI/UX interface
- Develop system Process
- Perform User Acceptance Test (UAT)

Phase 3

- Warehouse Staff Training
- Go LIVE!



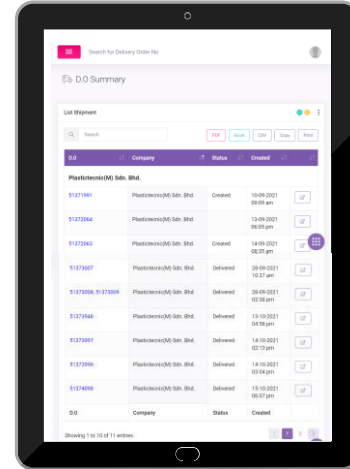
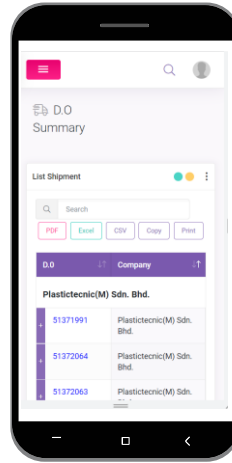
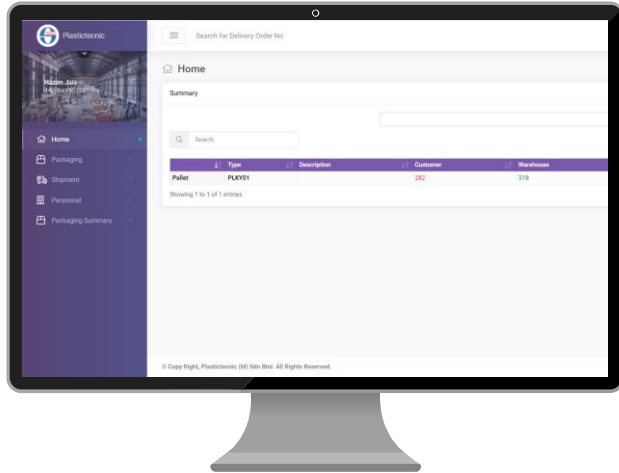
9.0 Appendix



Monthly Summary Report



9.0 Appendix



Responsive System

PTSN support mobile phone/tab and desktop view





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