

**LAPORAN TUGAS MATA KULIAH
PERANCANGAN SISTEM ENTERPRISE**



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**PROGRAM STUDI INFORMATIKA
FAKULTAS KOMUNIKASI DAN INFORMATIKA
UNIVERSITAS MUHAMMADIYAH SURAKARTA
2020**

I. DESAIN WORKFLOW SUBSYSTEM

1.1 Marketing

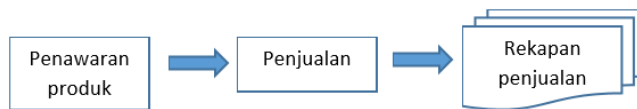
Pada bagian subsystem marketing terdapat workflow sebagai berikut.



Gambar 1.1 Workflow marketing

1.2 Sales

Pada bagian subsystem sales terdapat workflow sebagai berikut.



Gambar 1.2 Workflow sales

1.3 Purchasing

Pada bagian subsystem purchasing terdapat workflow sebagai berikut.



Gambar 1.3 Workflow purchasing

1.4 Inventory Control

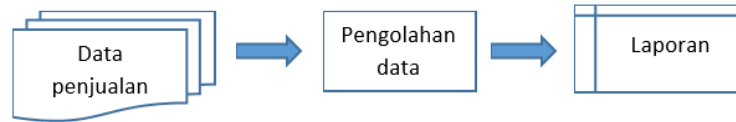
Pada bagian subsystem inventory control terdapat workflow sebagai berikut.



Gambar 1.4 Workflow inventory control

1.5 Accounting

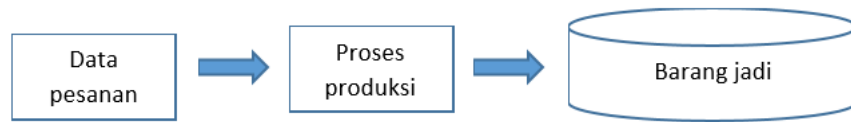
Pada bagian subsystem accounting terdapat workflow sebagai berikut.



Gambar 1.5 Workflow accounting

1.6 Production

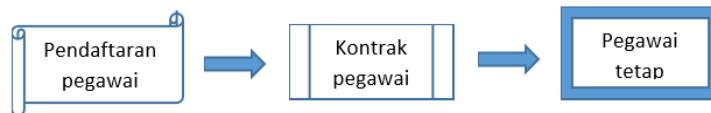
Pada bagian subsystem production terdapat workflow sebagai berikut.



Gambar 1.6 Workflow production

1.7 Human Resource

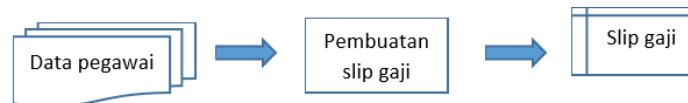
Pada bagian subsystem human resource terdapat workflow sebagai berikut.



Gambar 1.7 Workflow human resource

1.8 Payroll

Pada bagian subsystem payroll terdapat workflow sebagai berikut.

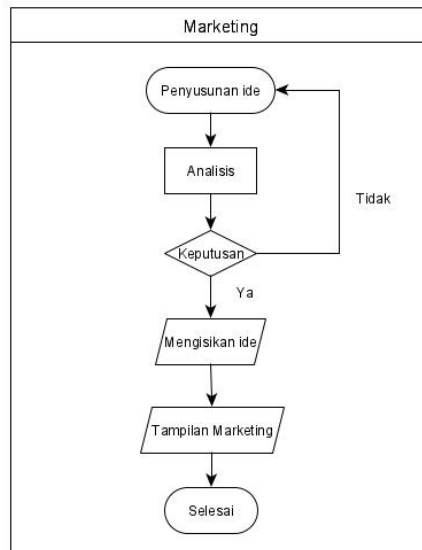


Gambar 1.8 Workflow payroll

II. DESAIN FLOWCHART SUBSYSTEM

2.1 Marketing

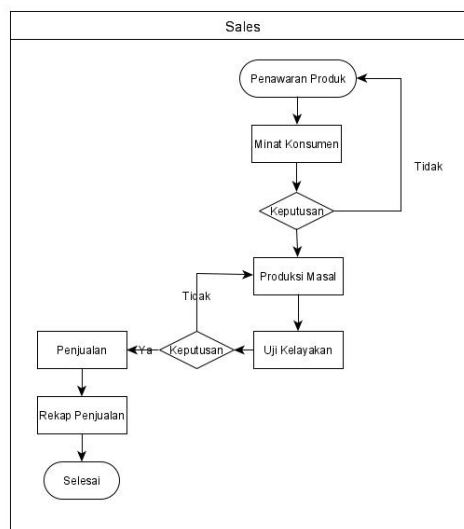
Pada bagian flowchart marketing berisi penyusunan ide, analisis ide, dan pelaksanaan berupa tampilan marketing.



Gambar 2.1 Flowchart marketing

2.2 Sales

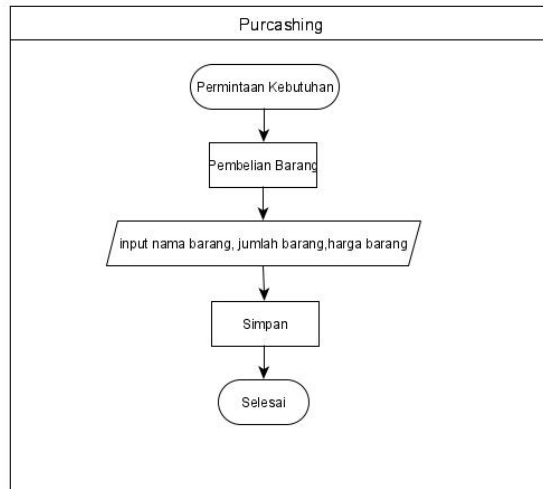
Pada bagian flowchart sales berisi analisis minat konsumen yang akan menghasilkan produk dan rekapan penjualan.



Gambar 2.2 Flowchart sales

2.3 Purchasing

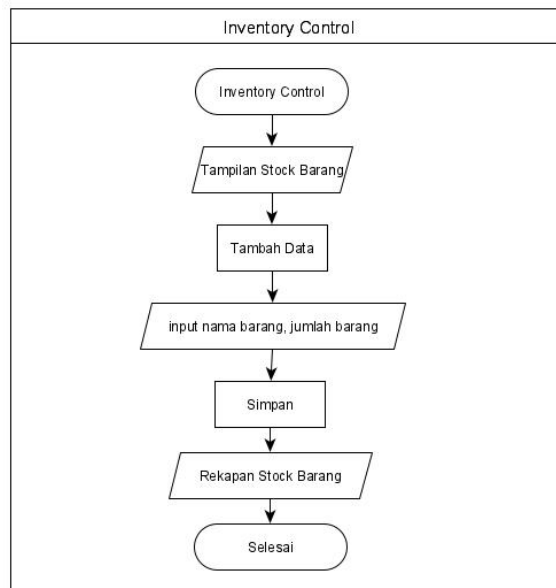
Pada bagian flowchart purchasing terdapat permintaan dari konsumen dan pembelian produk



Gambar 2.3 Flowchart purchasing

2.4 Inventory Control

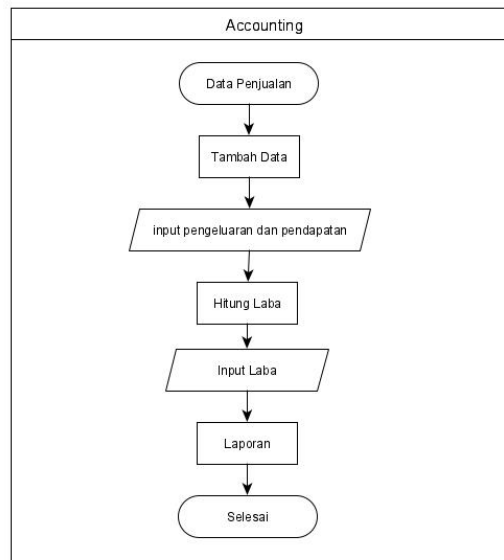
Pada bagian flowchart inventory control terdapat rekapan stock barang



Gambar 2.4 Flowchart inventory control

2.5 Accounting

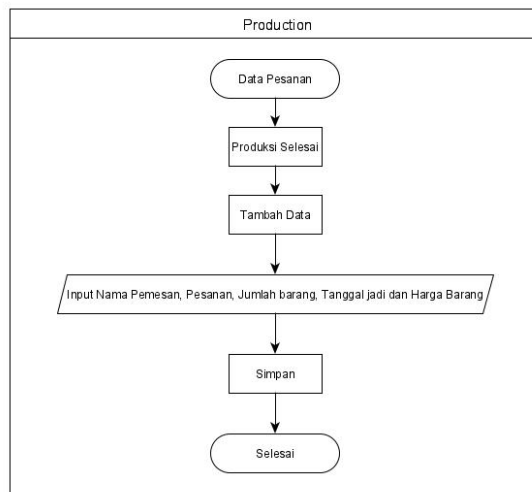
Pada flowchart accounting terdapat data penjualan yang menghasilkan laporan.



Gambar 2.5 Flowchart accounting

2.6 Production

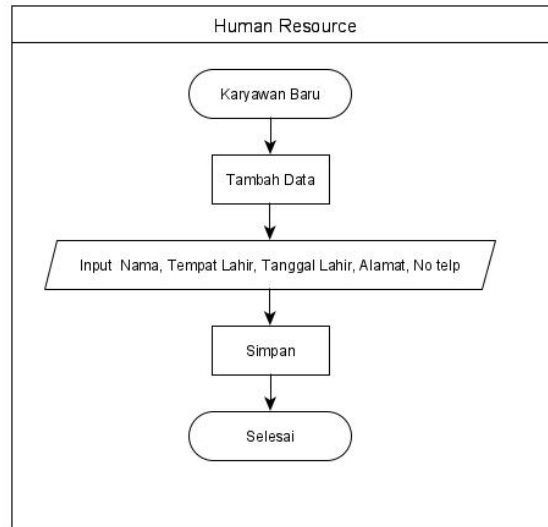
Pada flowchart production terdapat data pesanan yang menghasilkan proses pembuatan produk.



Gambar 2.6 Flowchart production

2.7 Human Resource

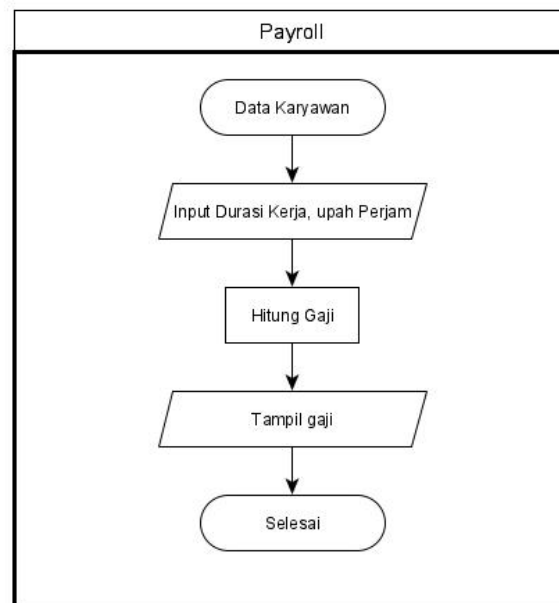
Pada flowchart human resource terdapat informasi data pegawai.



Gambar 2.7 Flowchart human resource

2.8 Payroll

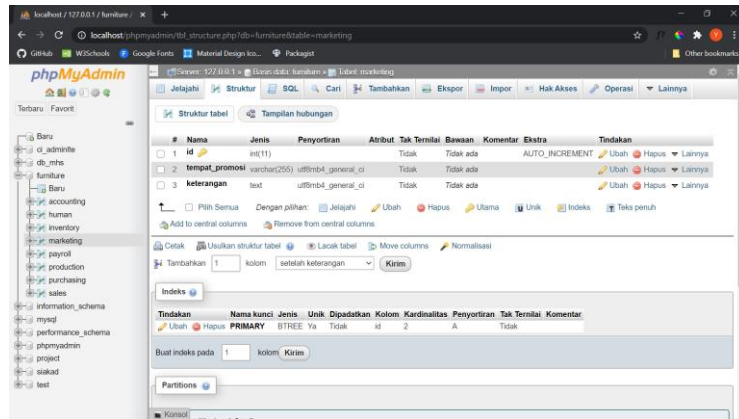
Pada flowchart payroll terdapat informasi data pegawai yang menampilkan jumlah gaji pegawai.



Gambar 2.8 Flowchart payroll

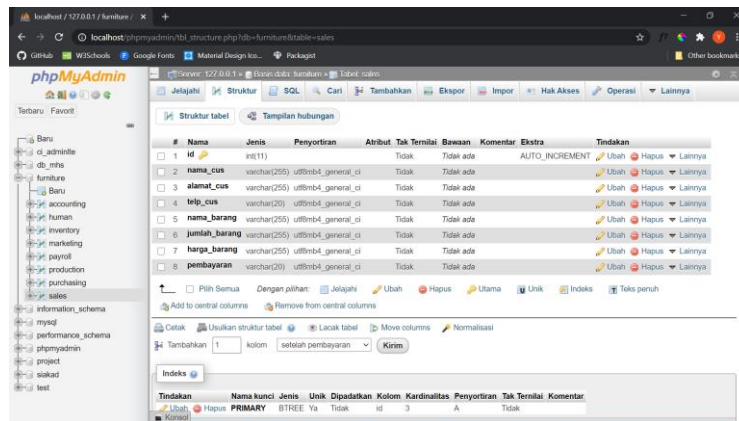
III. PERANCANGAN DATABASE

3.1 Database Marketing



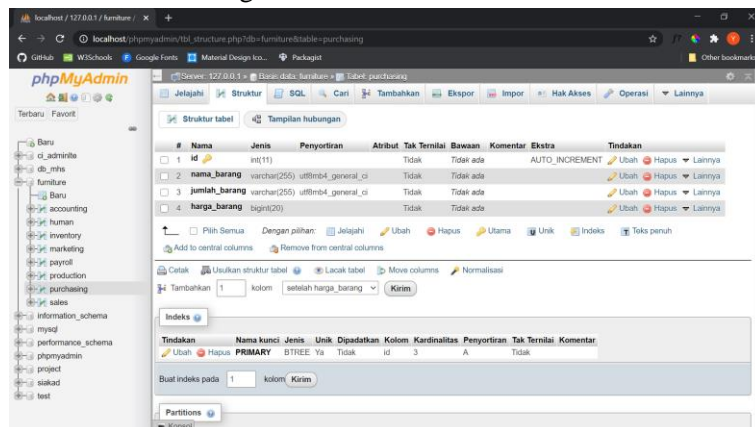
Gambar 3.1 Struktur tabel marketing

3.2 Database Sales



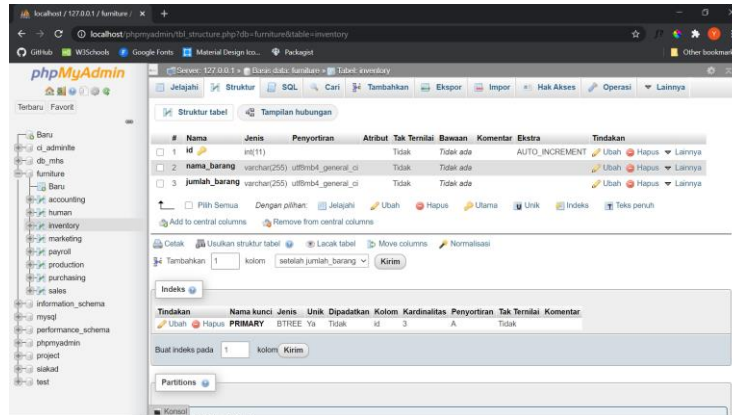
Gambar 3.2 Struktur tabel sales

3.3 Database Purchasing



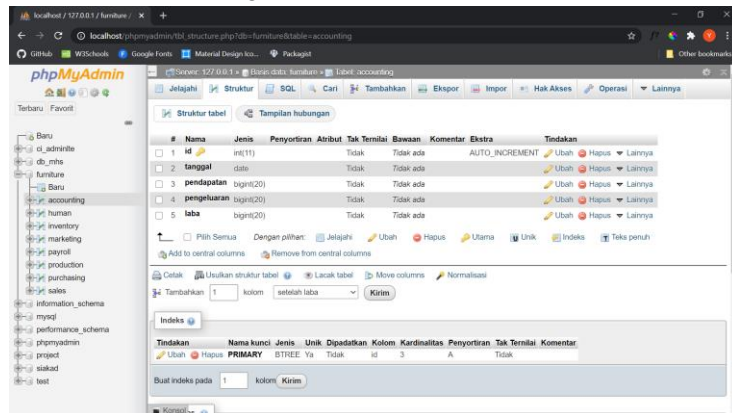
Gambar 3.3 Struktur tabel purchasing

3.4 Database Inventory Control



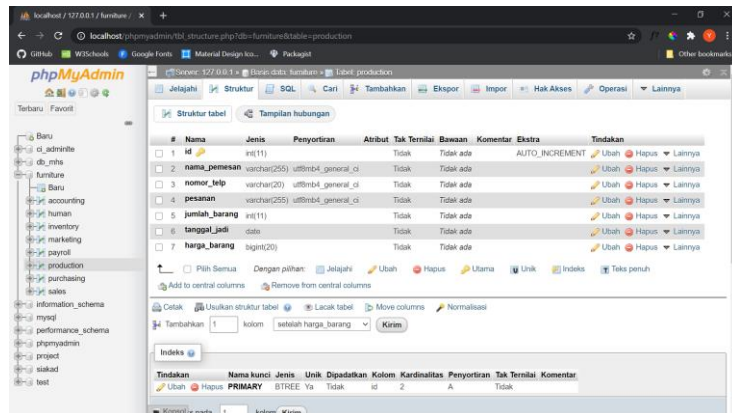
Gambar 3.4 Struktur tabel inventory control

3.5 Database Accounting



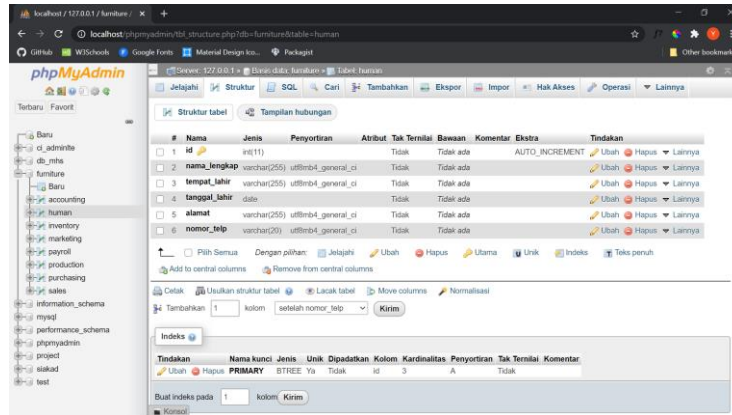
Gambar 3.5 Struktur tabel accounting

3.6 Database Production



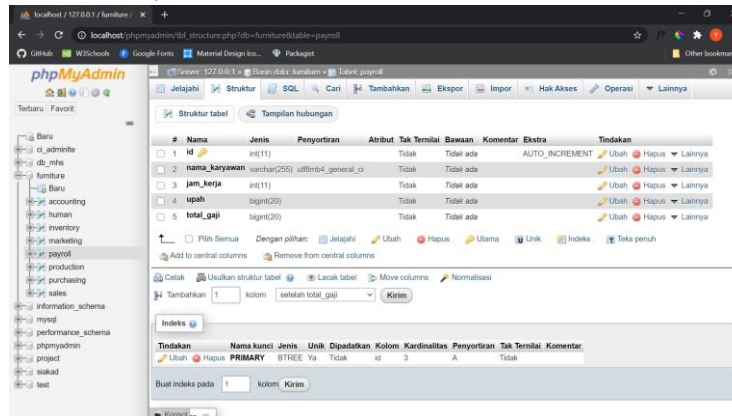
Gambar 3.6 Struktur tabel production

3.7 Database Human Resource



Gambar 3.7 Struktur tabel human resource

3.8 Database Payroll

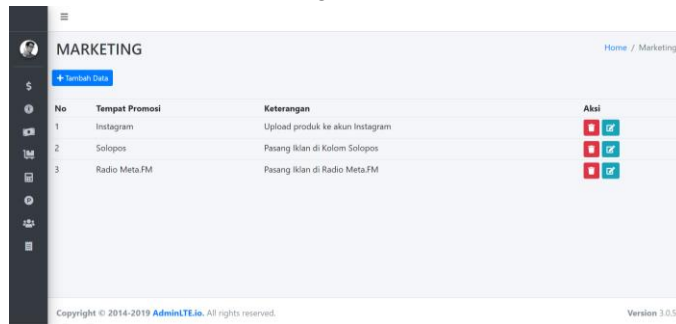


Gambar 3.8 Struktur tabel payroll

IV. PERANCANGAN INTERFACE

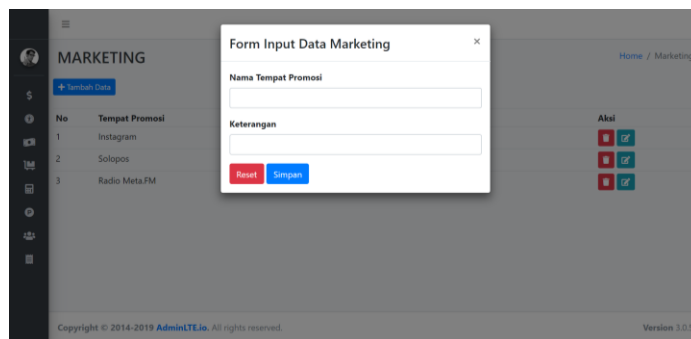
4.1 Halaman Marketing

4.1.1 Halaman Utama Marketing



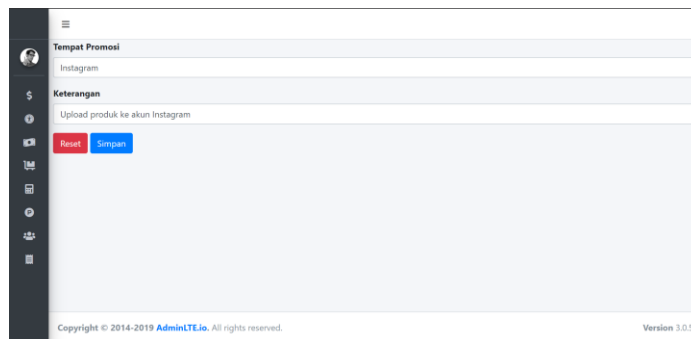
Gambar 4.1 Halaman utama marketing

4.1.2 Halaman Tambah Data



Gambar 4.2 Halaman tambah data marketing

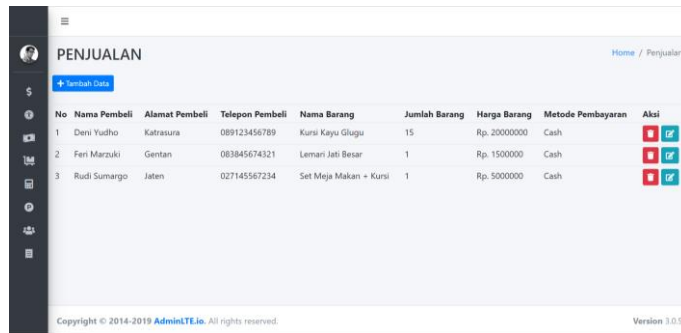
4.1.3 Halaman Ubah Data



Gambar 4.3 Halaman ubah data marketing

4.2 Halaman Sales

4.2.1 Halaman Utama Sales

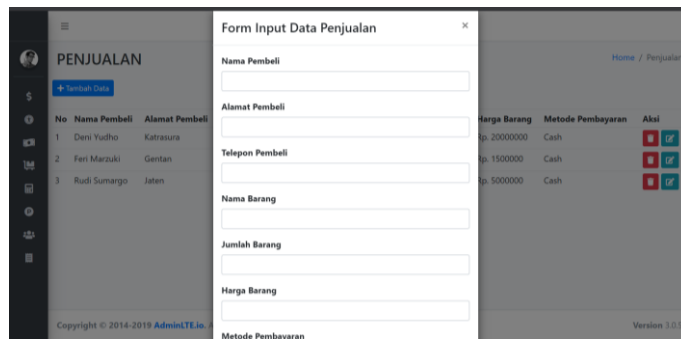


The screenshot shows the 'PENJUALAN' (Sales) page. It features a sidebar with navigation icons and a main content area with a table of sales transactions. The table has columns for No, Nama Pembeli, Alamat Pembeli, Telepon Pembeli, Nama Barang, Jumlah Barang, Harga Barang, Metode Pembayaran, and Aksi. There are three rows of data. A '+ Tambah Data' button is located at the top left of the table area. The footer includes copyright information and the version number 3.0.5.

No	Nama Pembeli	Alamat Pembeli	Telepon Pembeli	Nama Barang	Jumlah Barang	Harga Barang	Metode Pembayaran	Aksi
1	Deni Yudho	Katrasura	089123456789	Kursi Kayu Glugu	15	Rp. 20000000	Cash	Edit Hapus
2	Feri Marzuki	Gentan	083845674321	Lemari Jati Besar	1	Rp. 15000000	Cash	Edit Hapus
3	Rudi Sumargo	Jaten	027145567234	Set Meja Makan + Kursi	1	Rp. 50000000	Cash	Edit Hapus

Gambar 4.4 Halaman utama sales

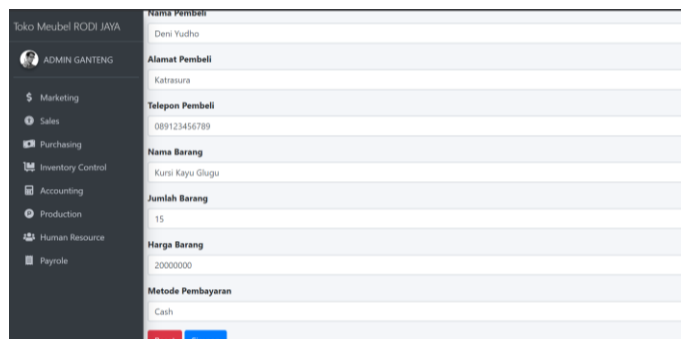
4.2.2 Halaman Tambah Data



The screenshot shows the 'Form Input Data Penjualan' (Add Sales Data Form) overlaying the main sales page. The form contains input fields for Nama Pembeli, Alamat Pembeli, Telepon Pembeli, Nama Barang, Jumlah Barang, and Harga Barang. The 'Metode Pembayaran' dropdown is set to 'Cash'. The 'Aksi' column from the background table is also visible, showing edit and delete icons. The footer includes copyright information and the version number 3.0.5.

Gambar 4.5 Halaman tambah data sales

4.2.3 Halaman Ubah Data

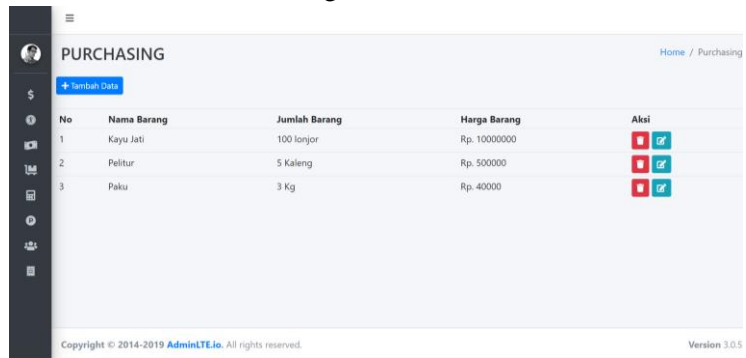


The screenshot shows the 'Ubah Data' (Edit Data) form for a sales transaction. The form contains input fields for Nama Pembeli, Alamat Pembeli, Telepon Pembeli, Nama Barang, Jumlah Barang, and Harga Barang. The 'Metode Pembayaran' dropdown is set to 'Cash'. The 'Aksi' column from the background table is also visible, showing edit and delete icons. The footer includes copyright information and the version number 3.0.5.

Gambar 4.6 Halaman ubah data sales

4.3 Halaman Purchasing

4.3.1 Halaman Utama Purchasing



PURCHASING

Home / Purchasing

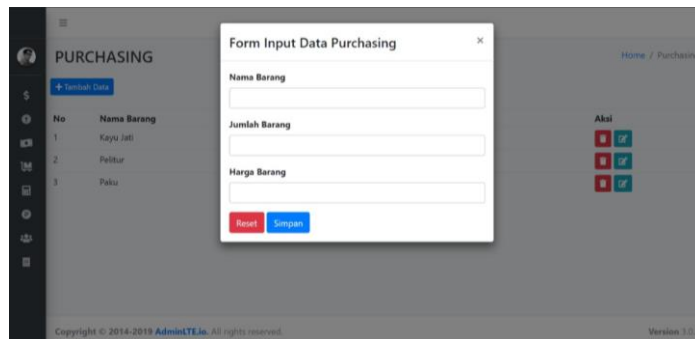
+ Tambah Data

No	Nama Barang	Jumlah Barang	Harga Barang	Aksi
1	Kayu Jati	100 lonjor	Rp. 10000000	Edit Hapus
2	Pelitur	5 Kaleng	Rp. 500000	Edit Hapus
3	Paku	3 Kg	Rp. 40000	Edit Hapus

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Gambar 4.7 Halaman utama purchasing

4.3.2 Halaman Tambah Data



Form Input Data Purchasing

Nama Barang

Jumlah Barang

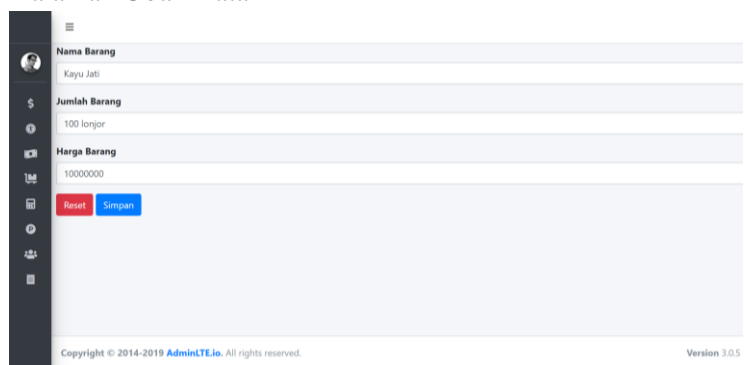
Harga Barang

Reset Simpan

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Gambar 4.8 Halaman tambah data purchasing

4.3.3 Halaman Ubah Data



Nama Barang

Kayu Jati

Jumlah Barang

100 lonjor

Harga Barang

10000000

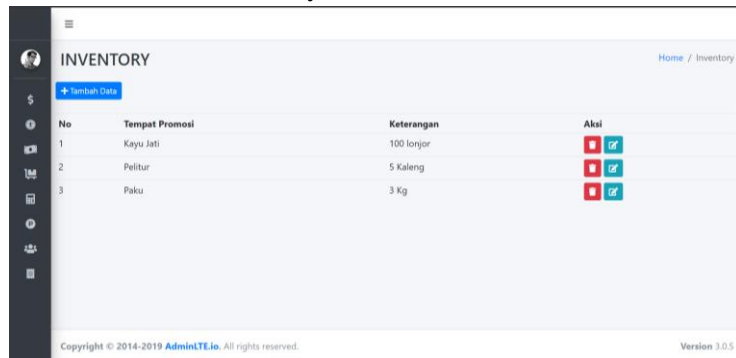
Reset Simpan

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Gambar 4.9 Halaman ubah data purchasing

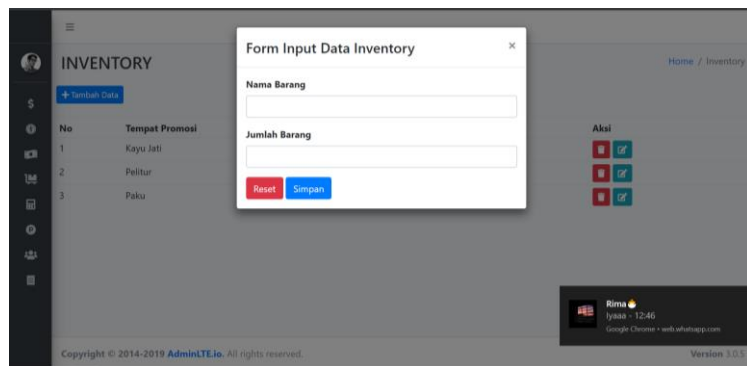
4.4 Halaman Inventory Control

4.4.1 Halaman Utama Inventory Control



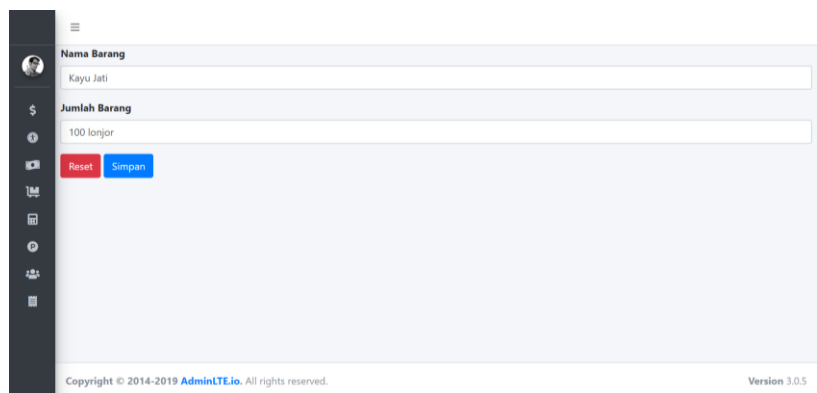
Gambar 4.10 Halaman utama inventory control

4.4.2 Halaman Tambah Data



Gambar 4.11 Halaman tambah data inventory control

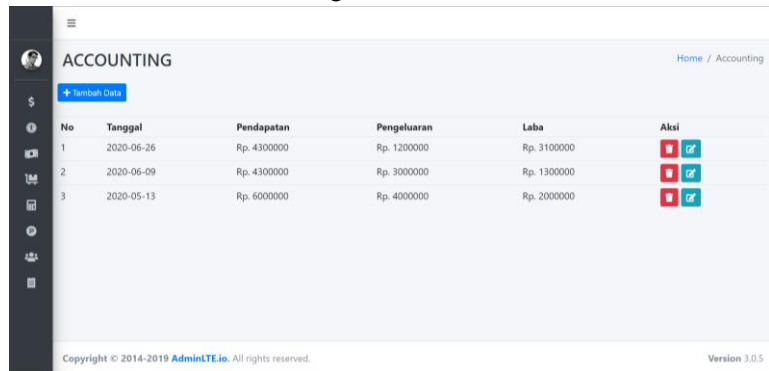
4.4.3 Halaman Ubah Data









Gambar 4.12 Halaman ubah data inventory control

4.5 Halaman Accounting

4.5.1 Halaman Utama Accounting

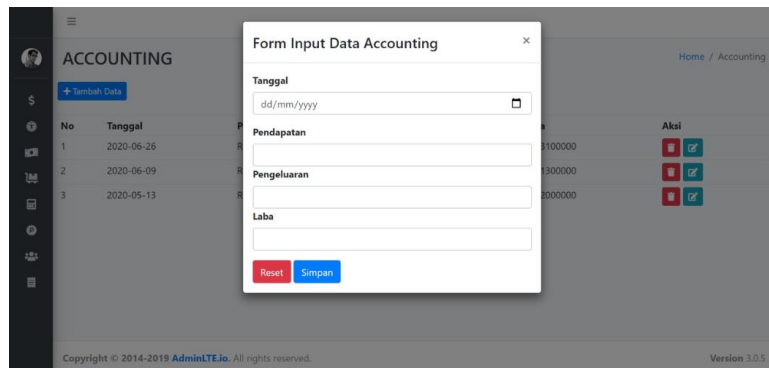


The screenshot shows the 'ACCOUNTING' main page. It features a sidebar with navigation icons and a main content area with a table of accounting entries. A '+ Tambah Data' button is located at the top left of the table. The table has columns for 'No', 'Tanggal', 'Pendapatan', 'Pengeluaran', 'Laba', and 'Aksi'. The footer includes copyright information and the version number 3.0.5.

No	Tanggal	Pendapatan	Pengeluaran	Laba	Aksi
1	2020-06-26	Rp. 4300000	Rp. 1200000	Rp. 3100000	 
2	2020-06-09	Rp. 4300000	Rp. 3000000	Rp. 1300000	 
3	2020-05-13	Rp. 6000000	Rp. 4000000	Rp. 2000000	 

Gambar 4.13 Halaman utama accounting

4.5.2 Halaman Tambah Data



The screenshot shows the 'Form Input Data Accounting' modal. It contains input fields for 'Tanggal' (with a date picker), 'Pendapatan', 'Pengeluaran', and 'Laba'. At the bottom, there are 'Reset' and 'Simpan' buttons. The background shows the accounting table from the previous image.

Gambar 4.14 Halaman tambah data accounting

4.5.3 Halaman Ubah Data

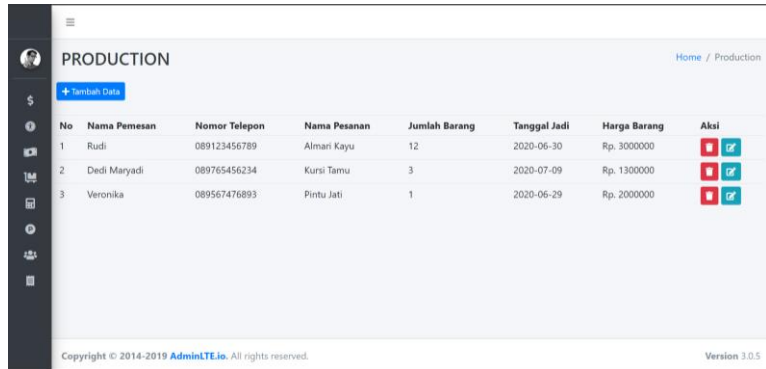


The screenshot shows the 'Ubah Data' form. It has input fields for 'Tanggal', 'Pendapatan', 'Pengeluaran', and 'Laba', each with a value from the table in the previous image. At the bottom, there are 'Reset' and 'Simpan' buttons.







Gambar 4.15 Halaman ubah data accounting

4.6 Halaman Production

4.6.1 Halaman Utama Production

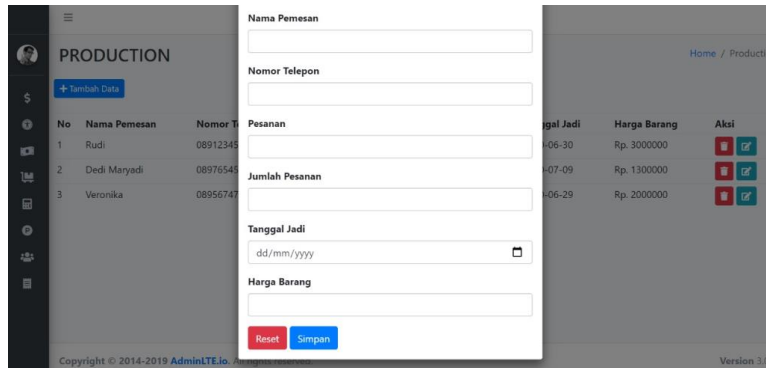


The screenshot shows the 'PRODUCTION' page with a sidebar menu on the left. A '+ Tambah Data' button is at the top left. The main content is a table with 8 columns: No, Nama Pemesan, Nomor Telepon, Nama Pesanan, Jumlah Barang, Tanggal Jadi, Harga Barang, and Aksi. There are three data rows. The footer contains copyright information and the version number 3.0.5.

No	Nama Pemesan	Nomor Telepon	Nama Pesanan	Jumlah Barang	Tanggal Jadi	Harga Barang	Aksi
1	Rudi	089123456789	Almari Kayu	12	2020-06-30	Rp. 3000000	 
2	Dedi Maryadi	089765456234	Kursi Tamu	3	2020-07-09	Rp. 1300000	 
3	Veronika	089567476893	Pintu Jati	1	2020-06-29	Rp. 2000000	 

Gambar 4.16 Halaman utama production

4.6.2 Halaman Tambah Data



The screenshot shows the 'PRODUCTION' page with a modal form for adding new data. The form has fields for Nama Pemesan, Nomor Telepon, Pesanan, Jumlah Pesanan, Tanggal Jadi (with a date picker), and Harga Barang. At the bottom are 'Reset' and 'Simpan' buttons. The background table is dimmed.

Gambar 4.17 Halaman tambah data production

4.6.3 Halaman Ubah Data

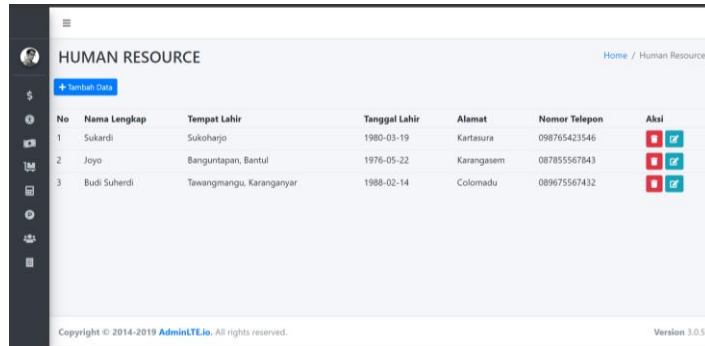


The screenshot shows the 'PRODUCTION' page with a modal form for editing data. The form fields are pre-filled with values from the first row of the table: Nama Pemesan (Rudi), Nomor Telepon (089123456789), Pesanan (Almari Kayu), Jumlah Pesanan (Almari Kayu), Tanggal Jadi (30/06/2020), and Harga (3000000). 'Reset' and 'Simpan' buttons are at the bottom.

Gambar 4.18 Halaman ubah data production

4.7 Halaman Human Resource

4.7.1 Halaman Utama Human Resource

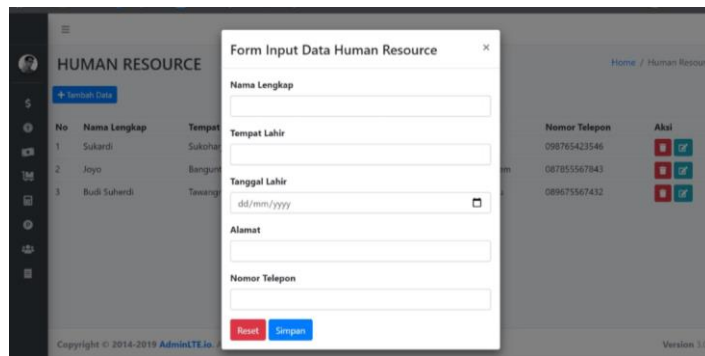


The screenshot shows the 'HUMAN RESOURCE' main page. It features a sidebar with navigation icons and a main content area with a table of employee data. The table has columns for No, Nama Lengkap, Tempat Lahir, Tanggal Lahir, Alamat, Nomor Telepon, and Aksi. There are three rows of data. A '+ Tambah Data' button is located at the top left of the table. The footer includes copyright information and the version number 3.0.5.

No	Nama Lengkap	Tempat Lahir	Tanggal Lahir	Alamat	Nomor Telepon	Aksi
1	Sukardi	Sukoharjo	1980-03-19	Kartasura	098765423546	Edit Delete
2	Joyo	Banguntapan, Bantul	1976-05-22	Karangasem	087855567843	Edit Delete
3	Budi Suherdi	Tewangmangu, Karanganyar	1988-02-14	Colomadu	089675567432	Edit Delete

Gambar 4.19 Halaman utama human resource

4.7.2 Halaman Tambah Data



The screenshot shows the 'Form Input Data Human Resource' modal. It contains input fields for Nama Lengkap, Tempat Lahir, Tanggal Lahir (with a date picker), Alamat, and Nomor Telepon. There are 'Reset' and 'Simpan' buttons at the bottom. The background shows the same table as in the previous screenshot.

Gambar 4.20 Halaman tambah data human resource

4.7.3 Halaman Ubah Data

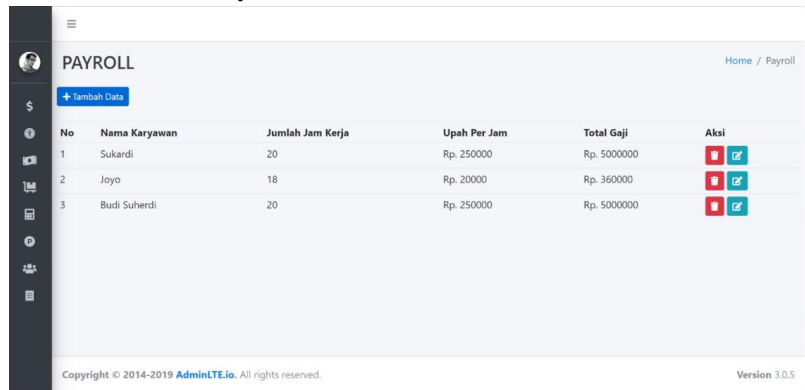


The screenshot shows the 'Ubah Data' form. It contains input fields for Nama Lengkap, Tempat Lahir, Tanggal Lahir (with a date picker), Alamat, and Nomor Telepon. There are 'Reset' and 'Simpan' buttons at the bottom. The background shows the same table as in the previous screenshot.

Gambar 4.21 Halaman ubah data human resource

4.8 Halaman Payroll

4.8.1 Halaman Utama Payroll

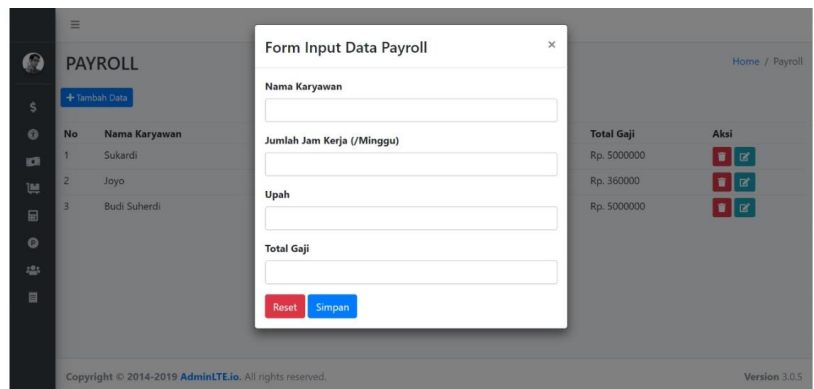


The screenshot shows the main payroll page with a sidebar menu on the left and a table of employee data. The table has columns for No, Nama Karyawan, Jumlah Jam Kerja, Upah Per Jam, Total Gaji, and Aksi. There are three rows of data. A '+ Tambah Data' button is located above the table. The footer includes copyright information and the version number 3.0.5.

No	Nama Karyawan	Jumlah Jam Kerja	Upah Per Jam	Total Gaji	Aksi
1	Sukardi	20	Rp. 250000	Rp. 5000000	Edit Delete
2	Joyo	18	Rp. 20000	Rp. 360000	Edit Delete
3	Budi Suherdi	20	Rp. 250000	Rp. 5000000	Edit Delete

Gambar 4.22 Halaman utama payroll

4.8.2 Halaman Tambah Data



The screenshot shows the 'Form Input Data Payroll' modal form. It has fields for Nama Karyawan, Jumlah Jam Kerja (/Minggu), Upah, and Total Gaji. There are 'Reset' and 'Simpan' buttons at the bottom. The background shows the main payroll table with the first row highlighted.

No	Nama Karyawan	Jumlah Jam Kerja (/Minggu)	Upah	Total Gaji	Aksi
1	Sukardi	20	Rp. 250000	Rp. 5000000	Edit Delete
2	Joyo	18	Rp. 20000	Rp. 360000	Edit Delete
3	Budi Suherdi	20	Rp. 250000	Rp. 5000000	Edit Delete

Gambar 4.23 Halaman tambah data payroll

4.8.3 Halaman Ubah Data



The screenshot shows the 'Ubah Data Payroll' form. It has fields for Nama Karyawan, Jumlah Jam Kerja (/Minggu), Upah Per Jam, and Total Gaji. There are 'Reset' and 'Simpan' buttons at the bottom. The background shows the main payroll table with the first row highlighted.

No	Nama Karyawan	Jumlah Jam Kerja (/Minggu)	Upah Per Jam	Total Gaji	Aksi
1	Sukardi	20	Rp. 250000	Rp. 5000000	Edit Delete
2	Joyo	18	Rp. 20000	Rp. 360000	Edit Delete
3	Budi Suherdi	20	Rp. 250000	Rp. 5000000	Edit Delete

Gambar 4.24 Halaman ubah data payroll