

Hello !  
I'm Alif Fandio Arianda  
This Is My Portofolio



# AFIPAY



## Selamat Datang

Nasabah AXA Financial Indonesia, Kini Pembayaran Premi Lebih Mudah dengan Menggunakan AFIPAY



**Log in**  
Untuk Masuk ke AFIPAY

**Nomor Polis \***

Mohon di isi angka saja

*Nomor Polis Wajib Diisi*

**Tanggal Lahir Pemegang Polis \***

DD/MM/YYYY

*Masukkan tanggal lahir pemegang polis sesuai dengan yang terdaftar pada AXA Financial Indonesia*

Mulai

### LAYANAN NASABAH

AXA Tower Ground Floor JL. Prof Dr. Satrio Kav. 18  
Kuningan City Jakarta, 12940

### CONTACT CENTRE

PT AXA FINANCIAL INDONESIA

☎ Senin - Jumat

Pukul 08:00 WIB - 17:00 WIB

### FOLLOW AXA



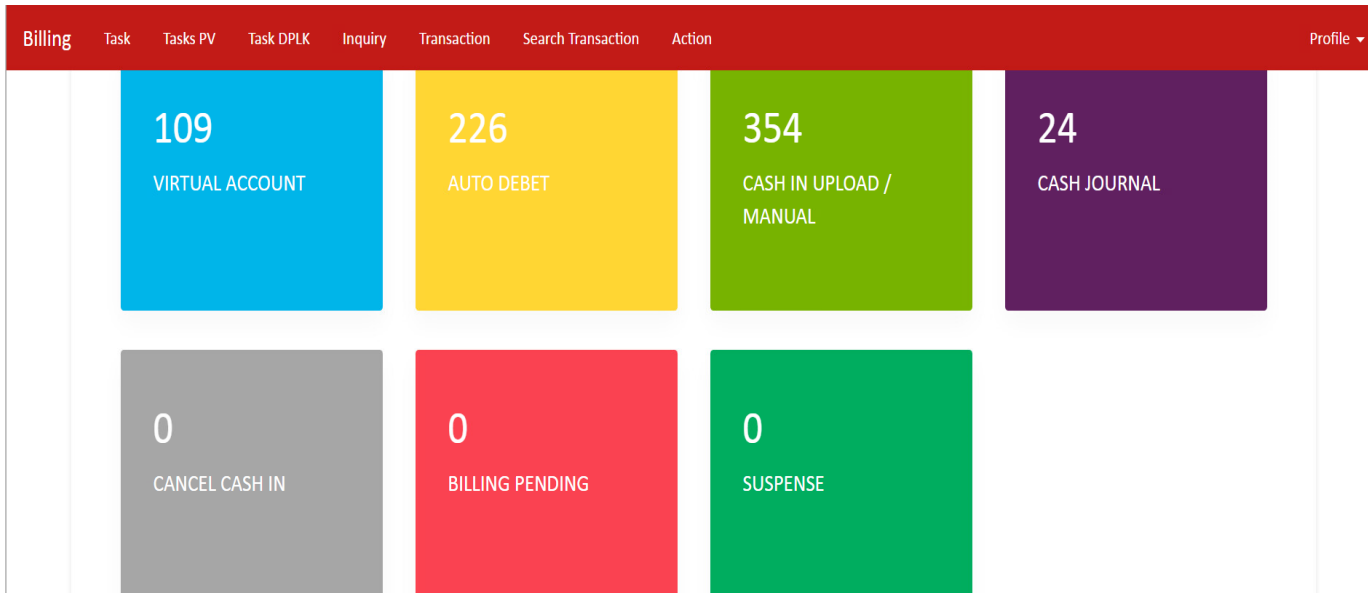
## Tools :

1. Back-End : Java (Spring Boot), Microservices
2. Database : SQL Server

## Project Description :

- AFIPAY is payment system developed for AXA Financial Indonesia customer to do payment for renewal, first payment, or autodebit.
- Feature :
  1. Payment : Credit Card, Gopay.
  2. Autodebit Credit Card.
  3. Integration AFI - Account Autodebit Digital BCA : Registration, Notification, Inquiry, Fund Collection.
- My Role As :
  1. Back-End Developer (Concurrently as BA & SA)

# BPM Billing



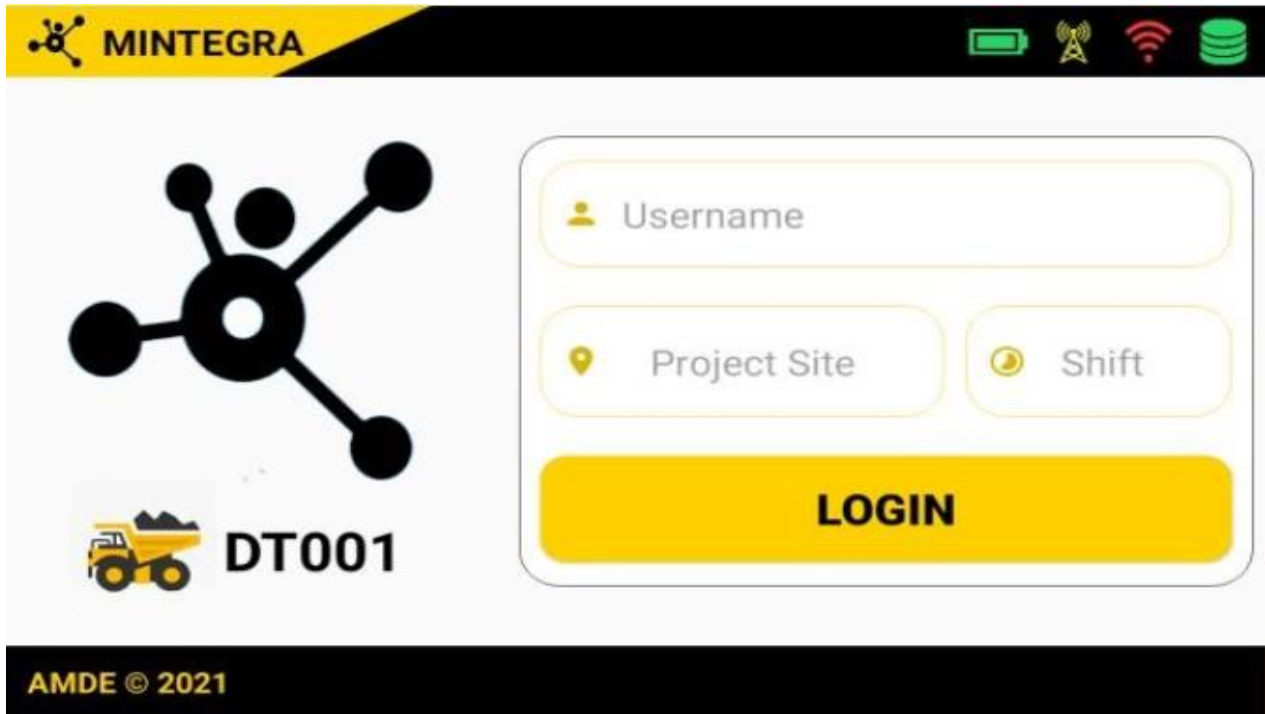
## Tools :

1. Back-End : Java (Spring Boot), Microservices
2. Front-End: HTML, CSS, Bootstrap, JQuery
3. Database : SQL Server
4. Other : Jasper Report, Apache POI

## Project Description :

- One of the systems in Insurance Company that handles all of Billing & Collection team's tasks, such as : payment system, mailing, SLA, reporting.
- Feature :
  1. Payment system (Cash in, Cash out/Refund, Auto Debit, Credit Card, VA)
  2. Payment Changes.
  3. Automail to customer.
  4. Maintain Suspense.
  5. Billing Follow Up.
  6. SLA.
  7. Reporting.
- My Role As :
  1. Full-Stack Developer (concurrently as L1 engineer)

# Mintegra



## Project Description :

- Android based semi-auto system that provides fleet management and operation.
- Feature :
  1. Fleet Setting
  2. GPS Tracking
  3. Unit Event
  4. Auto Reporting
- My Role As :
  1. Technical Lead

## Tools :

1. Back-End : Java (Spring Boot)
2. Front-End Android : Java
3. Database : PostgreSQL


# FLEET MANAGEMENT SYSTEM





FLEET  
MANAGEMENT  
SYSTEM




**LOGIN**

 USERNAME

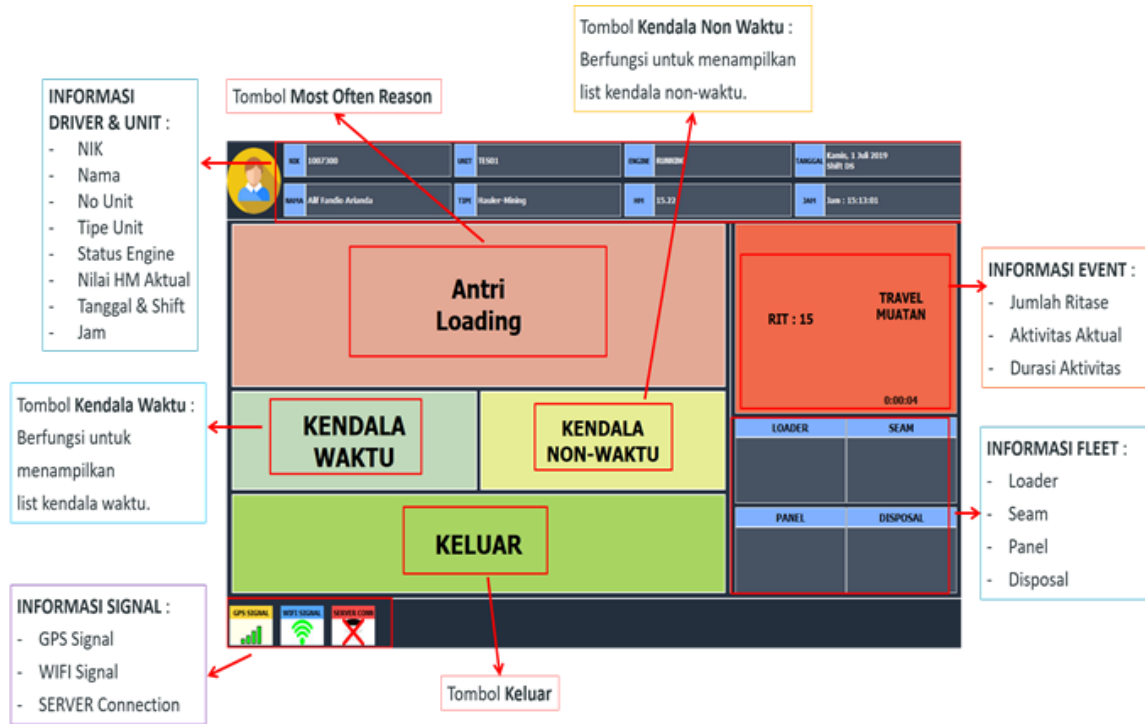
 PASSWORD

 HM

 AGM

**LOGIN** **CONNECTION** **EXIT**

V.1.1.7



## Tools :

1. Desktop : Python (PyQT).
2. Android : Java.
3. Back-end : Java (Spring Boot).
4. Database : Sqlite, MS SQL Server.

## Project Description :

- System that provides fleet management of mining (especially for hauler unit).
- Automatic Unit Event Recording : **Empty Drive, Loading, Loaded Drive, Dumping.**
- Automatic GPS Recording.
- Automatic Hour Meter Recording.
- Report List : **Hour Meter, Engine Status, Estimated Fuel, Unit Location, Speed Report, Ritase, Cycle Time, Event Detail, Constraints, Unit Status, Loss Change Shift, Driver Performance, P2H.**
- My Role As :
  1. Project Leader
  2. System Analyst
  3. Data / Database Engineer
  4. Programmer -> App On Board
  5. Programmer -> Report



# TOMCET (Tombol Pencet)



## Project Description :

- Android based semi-auto system that provides hauler management and production event.
- Unit Event Recording (touch / click) : **Checkpoint Empty Drive, Loading, Checkpoint Loaded Drive, Dumping.**
- GPS Recording (automatically).
- Hour Meter Recording (begin and end).
- Report List : **Dashboard, Ritase, Event Detail, Parking Estimate, Unit Location, Hourly Performance, Over & Under Speed, Hour Meter, Constraints, Waterfall, Unit Status, Start & Stop (Parking).**
- My Role As :
  1. System Analyst
  2. Data / Database Engineer
  3. Programmer -> Android App
  4. Programmer -> Report

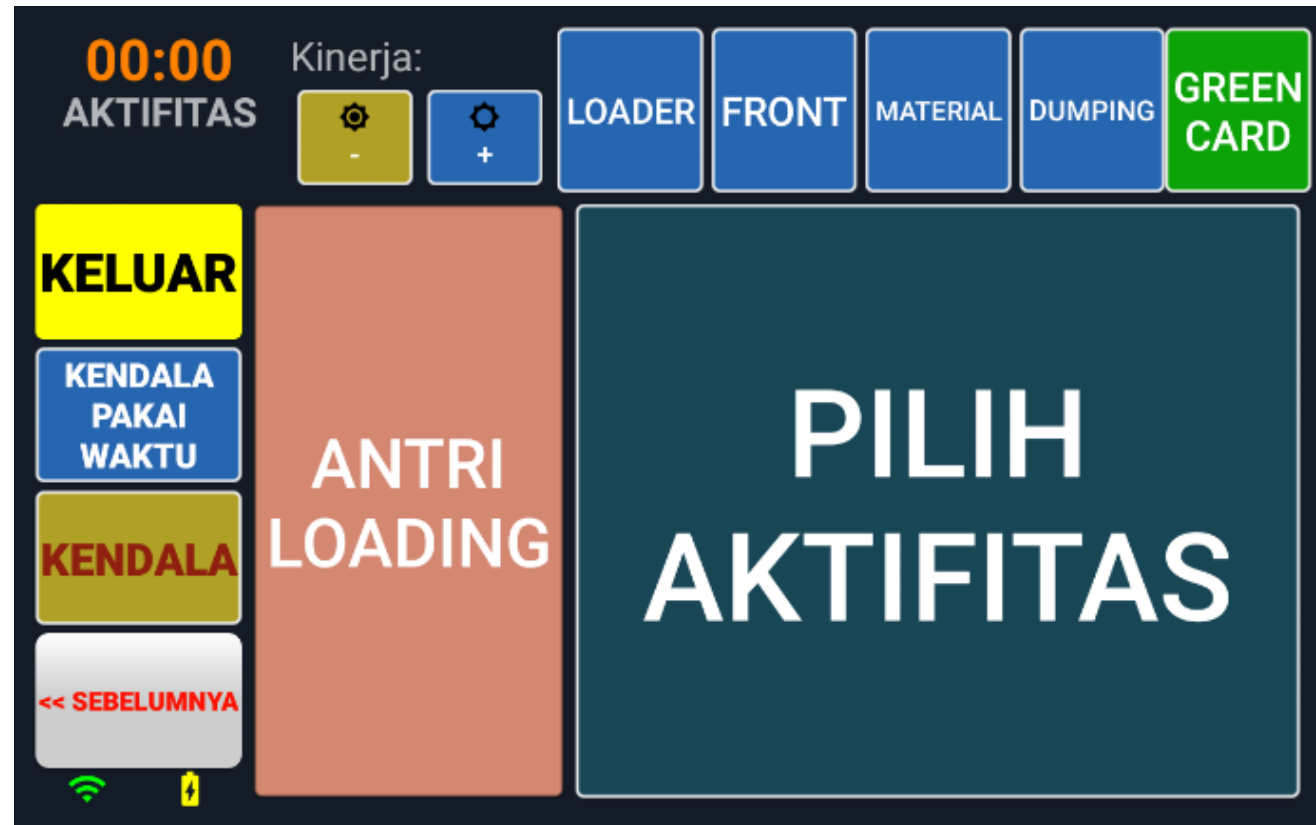


## Tools :

1. Android : Kotlin.
2. Desktop : JavaFX.
3. Back-End : Java (Spring Boot).
4. Database : Sqlite, MS SQL Server.



# Green Card In Tomcet



## Project Description :

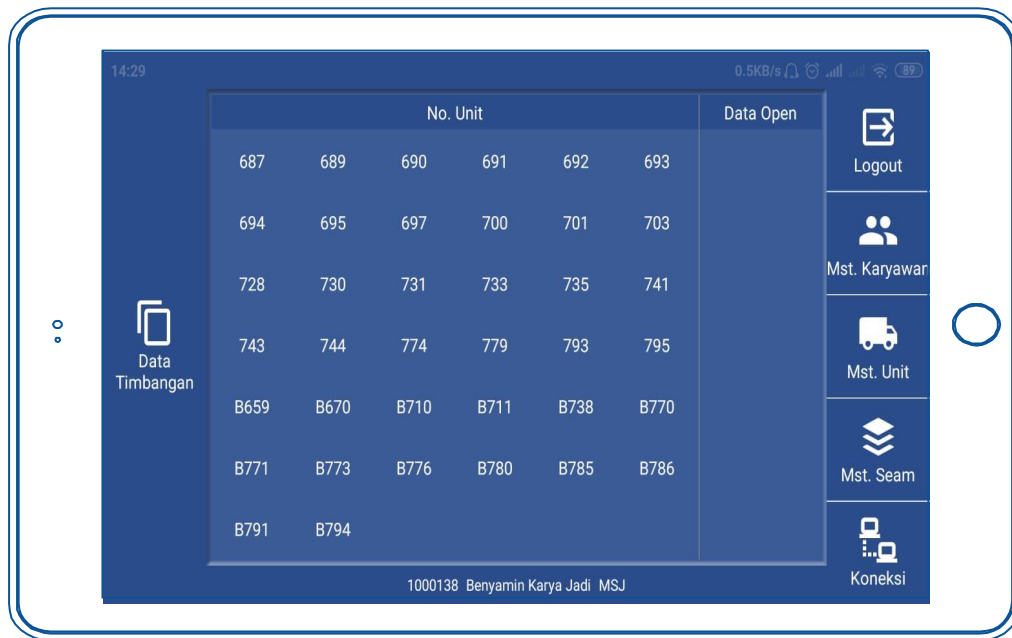
- Android based feature embedded in Tomcet that facilitate user to input **UNSAFE CONDITION** and **UNSAFE ACT** found in the working area.
- Unsafe Condition.
- Unsafe Act.
- Department, Condition, Danger Code.
- My Role as :
  1. Project Leader
  2. System Analyst
  3. Data / Database Engineer
  4. Programmer -> Android App
  5. Programmer -> Back-End



## Tools :

1. Android : Kotlin.
2. Back-End : Java (Spring Boot).
3. Database : Sqlite, MS SQL Server.

# SISTEM TIMBANGAN (WEIGHING SCALE SYSTEM)



Report Timbangan

REPORT TIMBANGAN  
V.7.1.2 Site: MSJ

Manajemen User

Master Data

Report Data

Ritase

VS Tomest

Reconcile

Pengaturan

Logout

Exit

Data Checker: Data Owner: X

Tanggal Awal: 01-08-2020 Tanggal Akhir: 07-08-2020 Toleransi (TON): 10

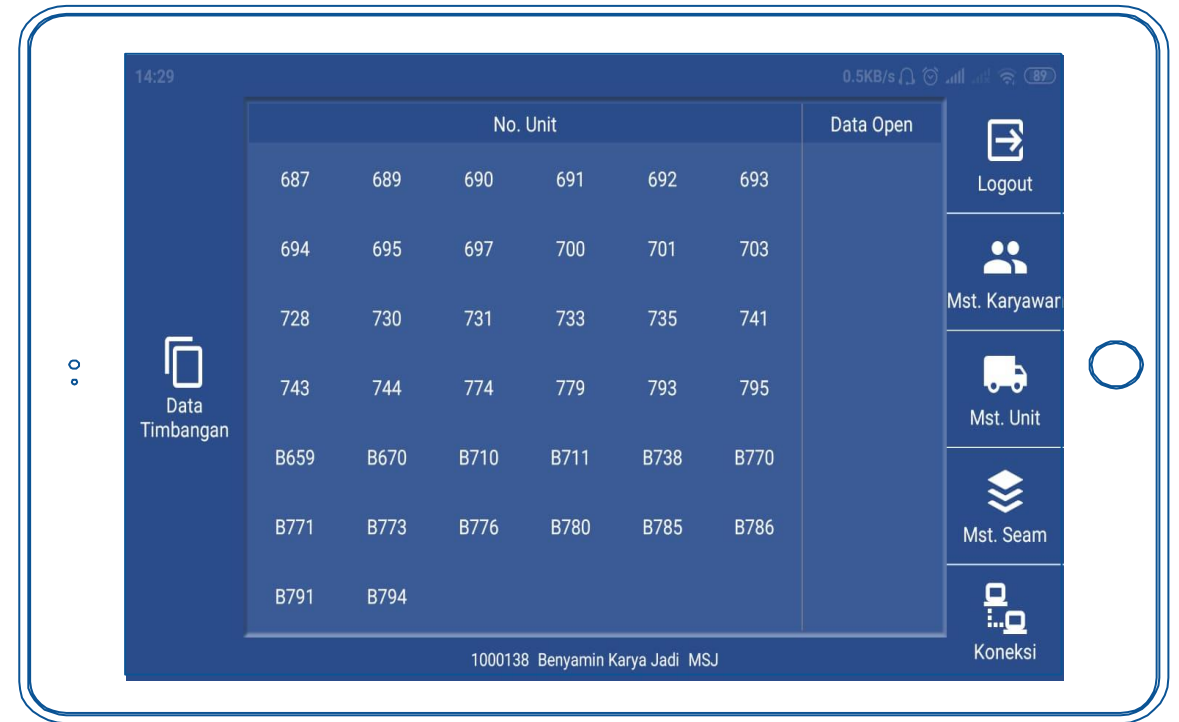
Seam:

Lokasi: ☒ PIT ☒ STOCKROOM

No	Nomor Dokumen	Tanggal Dokumen	Shift	No Unit	Tanggal Masuk	Jam Masuk	Tanggal Keluar	Jam Keluar	Berat Masuk	Berat Keluar	Berat Bersih	Ton Limit	Selish	Status
1	TIM-MSJ-ADR-200801...	2020-08-01 21:19:21	NS	632	2020-08-01	19:04	2020-08-01	19:20	53140.0	19970.0	33170.0	35000.0	1830.0	UNDER
2	TIM-MSJ-ADR-200801...	2020-08-01 21:19:52	NS	652	2020-08-01	19:04	2020-08-01	19:21	53640.0	20300.0	33340.0	35000.0	1660.0	UNDER
3	TIM-MSJ-ADR-200801...	2020-08-01 21:20:26	NS	733	2020-08-01	19:05	2020-08-01	19:23	53560.0	19710.0	33850.0	35000.0	1150.0	UNDER
4	TIM-MSJ-ADR-200801...	2020-08-01 21:22:08	NS	643	2020-08-01	19:06	2020-08-01	19:24	53100.0	19870.0	33230.0	35000.0	1770.0	UNDER
5	TIM-MSJ-ADR-200801...	2020-08-01 21:22:48	NS	687	2020-08-01	19:06	2020-08-01	19:30	53140.0	19650.0	33490.0	35000.0	1510.0	UNDER
6	TIM-MSJ-ADR-200801...	2020-08-01 21:23:22	NS	681	2020-08-01	19:07	2020-08-01	19:32	53580.0	19730.0	33850.0	35000.0	1150.0	UNDER
7	TIM-MSJ-ADR-200801...	2020-08-01 21:24:07	NS	644	2020-08-01	19:09	2020-08-01	19:38	52280.0	19250.0	33030.0	35000.0	1970.0	UNDER
8	TIM-MSJ-ADR-200801...	2020-08-01 21:24:44	NS	633	2020-08-01	19:09	2020-08-01	19:40	52840.0	19500.0	33340.0	35000.0	1660.0	UNDER
9	TIM-MSJ-ADR-200801...	2020-08-01 21:25:28	NS	684	2020-08-01	19:13	2020-08-01	19:56	53300.0	19720.0	33580.0	35000.0	1420.0	UNDER
10	TIM-MSJ-ADR-200801...	2020-08-01 21:26:01	NS	703	2020-08-01	19:13	2020-08-01	20:01	52960.0	19820.0	33140.0	35000.0	1860.0	UNDER
11	TIM-MSJ-ADR-200801...	2020-08-01 21:26:35	NS	683	2020-08-01	19:46	2020-08-01	20:07	53800.0	19820.0	33980.0	35000.0	1020.0	UNDER
12	TIM-MSJ-ADR-200801...	2020-08-01 21:27:17	NS	690	2020-08-01	19:50	2020-08-01	20:21	53260.0	19800.0	33460.0	35000.0	1540.0	UNDER
13	TIM-MSJ-ADR-200801...	2020-08-01 21:28:02	NS	641	2020-08-01	19:53	2020-08-01	20:23	53560.0	20040.0	33520.0	35000.0	1480.0	UNDER
14	TIM-MSJ-ADR-200801...	2020-08-01 21:28:34	NS	637	2020-08-01	19:58	2020-08-01	20:45	53700.0	19490.0	34210.0	35000.0	790.0	UNDER
15	TIM-MSJ-ADR-200801...	2020-08-01 21:29:16	NS	645	2020-08-01	19:58	2020-08-01	20:47	53540.0	19230.0	34310.0	35000.0	690.0	UNDER
16	TIM-MSJ-ADR-200801...	2020-08-01 21:29:51	NS	728	2020-08-01	19:59	2020-08-01	20:51	54760.0	19980.0	34780.0	35000.0	220.0	UNDER
17	TIM-MSJ-ADR-200801...	2020-08-01 22:33:54	NS	661	2020-08-01	21:47	2020-08-01	21:53	54540.0	20260.0	34280.0	35000.0	720.0	UNDER
18	TIM-MSJ-ADR-200801...	2020-08-01 22:34:28	NS	640	2020-08-01	21:52	2020-08-01	21:57	52740.0	19120.0	33620.0	35000.0	1380.0	UNDER
19	TIM-MSJ-ADR-200801...	2020-08-01 22:35:01	NS	733	2020-08-01	21:54	2020-08-01	22:00	53360.0	19790.0	33570.0	35000.0	1430.0	UNDER

## Project Description :

- Android based system that provides recording weighing scale data of hauler's payload in port.
- Weighing scale data recording.
- IN & OUT Data.
- Report List : **Weight IN, Weight OUT Net Weight, Seam, Deviation, Graphic Per Day, Graphic Per Unit.**
- My Role As :
  1. Data / Database Engineer
  2. Programmer -> Android App
  3. Programmer -> Report



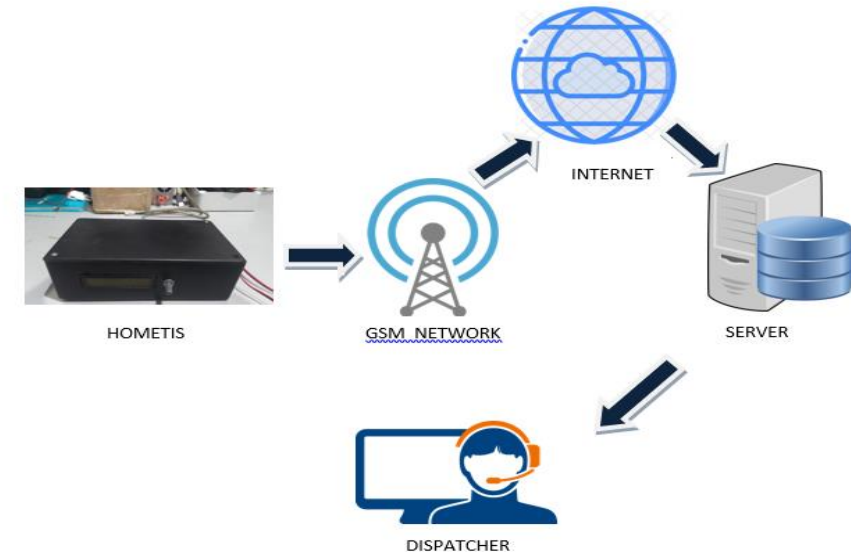
## Tools :

1. Android : Java.
2. Desktop : JavaFX.
3. Back-End : Java (Spring Boot).
4. Database : Sqlite, MS SQL Server.

# Hometis (Hour Meter Otomatis)

## Project Description :

- Microcontroller integrated with Raspberry Pi System that count, local save, and send Hauler's **Hour Meter** data to server.
- Hour Meter Data.
- Count.
- Local DB.
- Server DB.
- Report List : **HM Driver, HM Unit, Monitoring Plan Service.**
- My Role As :
  1. Project Leader
  2. System Analyst
  3. Data / Database Engineer
  4. Programmer -> Back-End

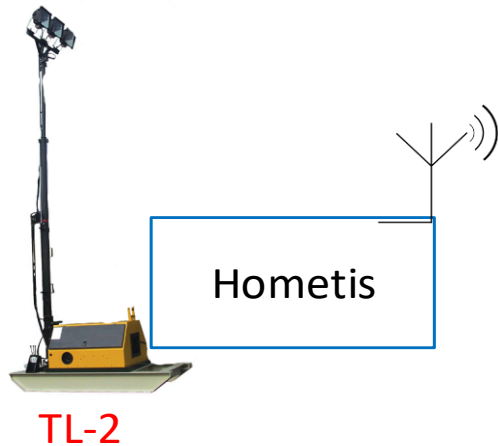


## Tools :

1. On Board Device : Python.
2. Desktop : JavaFX.
3. Back-End : Python (Django).
4. Database : Sqlite, MS SQL Server.



# Hometis Towerlamp



## Tools :

1. Desktop : JavaFX.
2. Back-End : Python (Django).
3. Database : MS SQL Server.

## Project Description :

- Microcontroller System that count, and send Towerlamp's **Hour Meter** data to server.
- Hour Meter Data.
- Count.
- Server DB.
- Report List : **HM Driver, HM Unit, Monitoring Plan Service.**
- My Role As :
  1. System Analyst
  2. Data / Database Engineer
  3. Bridging App Programmer

# EPGIN

## (E-Production & Engineering)

9:27   

EPGIN APPS

Log in

PILIHAN SITE

LOG IN

### Tools :

1. Android : Java.
2. Front-End : HTML, CSS, Bootstrap, JQuery, Angular.
3. Back-End : Java (Spring Boot).
4. Database : Sqlite, MS SQL Server.

### Project Description :

- System that record production's dept activities that include planning, actual table of duties, and actual general job.
- Planning (Monthly, Weekly, Shiftly).
- Table Of Duties.
- General Job.
- Foreman, Supervisor, Div. Head, Manager.
- Report List : **Foreman's Performance, Fleet Performance.**
- My Role As :
  1. System Analyst
  2. Data / Database Engineer
  3. Programmer -> Android App
  4. Programmer -> Planning & Report

# DIYA

## (Digitized Aquaculture System)

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SENSOR ALL IN  
ONE



TDS Sensor



PH Sensor



Turbidity Sensor



Temperature Sensor



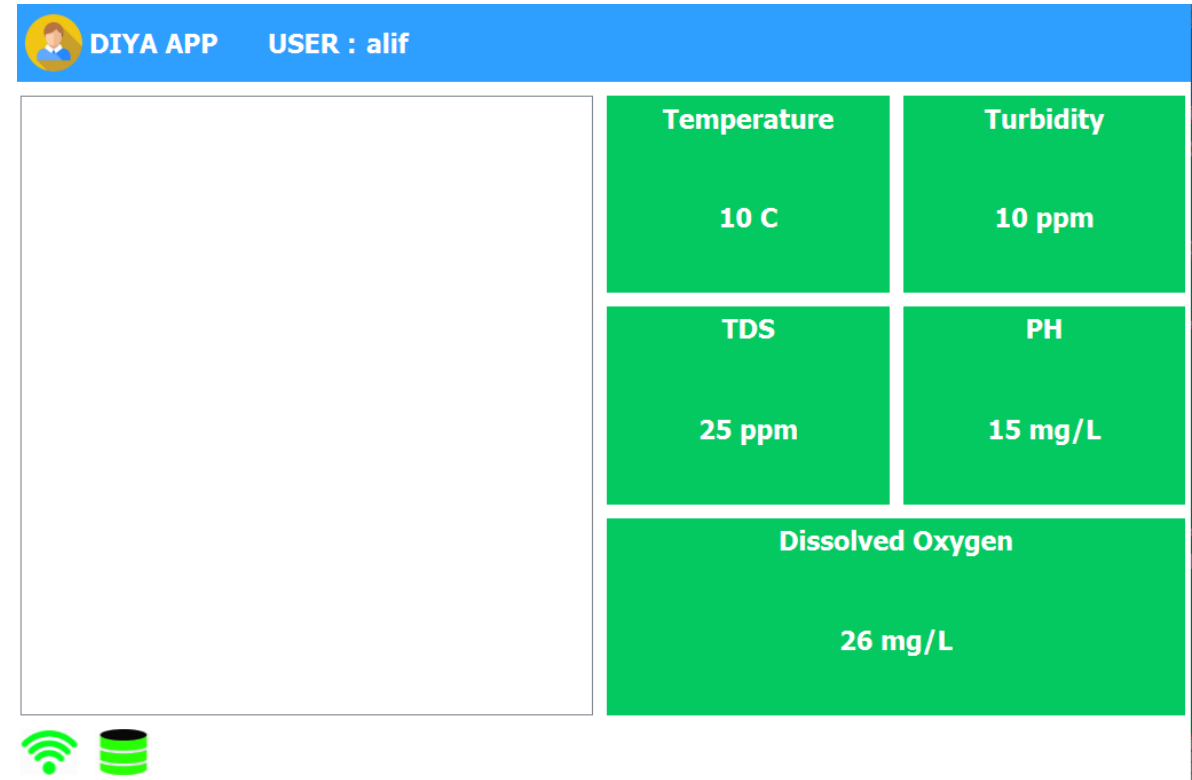
Dissolved Oxygen Sensor



Ultrasonic / Photoelectric  
Sensor

## Project Description :

- IoT System in Aquaculture field, that record 5 water quality parameters.
- 5 Parameters : **Temperature, Turbidity, TDS, PH, Dissolved Oxygen.**
- Local DB.
- Server DB.
- Automatic (Using sensors).
- Alert / Warning Notification (Value > Standard).
- Realtime monitoring.
- My Role As :
  1. System Analyst
  2. Data / Database Engineer
  3. Programmer -> Report
  4. Programmer -> Android



## Tools :

1. Android : Kotlin.
2. Desktop : Python (PyQT).
3. Back-End : Python (Django).
4. Database : Sqlite, MS SQL Server.

# SHE Inspection



## Project Description :

- Application that record inspection activities from company's employee regarding hazards around the workplace.
- Dept, Location, Category, Checklist.
- Danger Code / Level of Risk.
- Findings, Corrective Action.
- Photo (Before & After).
- My Role As :
  1. System Analyst



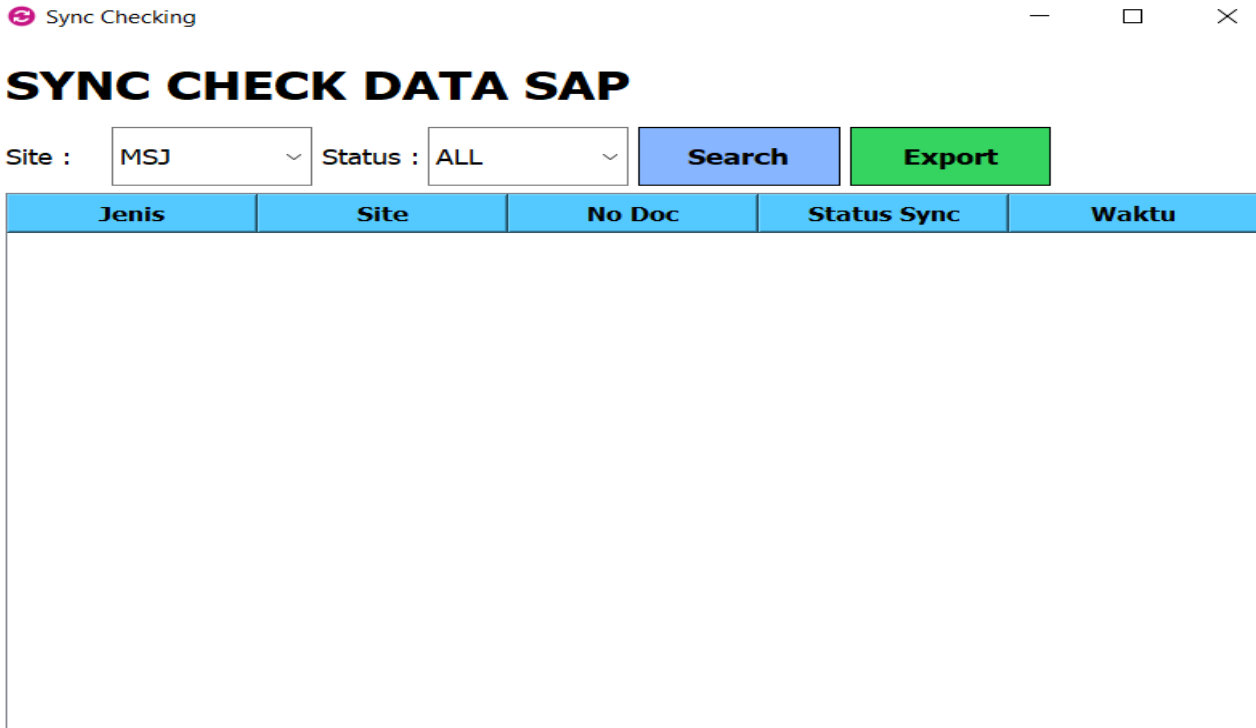
# SAP Sync Checker

## Project Description :

- An Application that search data file in SFTP SAP Server.
- SFTP Server Integration.
- Search Data.
- Export Data.
- My Role As :
  1. Programmer

## Tools :

1. Desktop : Python (PyQT).
2. Database : MS SQL Server.



The screenshot shows a desktop application window titled "Sync Checking". The main heading is "SYNC CHECK DATA SAP". Below the heading, there are two dropdown menus: "Site : MSJ" and "Status : ALL". To the right of these are two buttons: "Search" (blue) and "Export" (green). Below the filters is a table with five columns: "Jenis", "Site", "No Doc", "Status Sync", and "Waktu". The table is currently empty.

Jenis	Site	No Doc	Status Sync	Waktu
-------	------	--------	-------------	-------

# E-Office



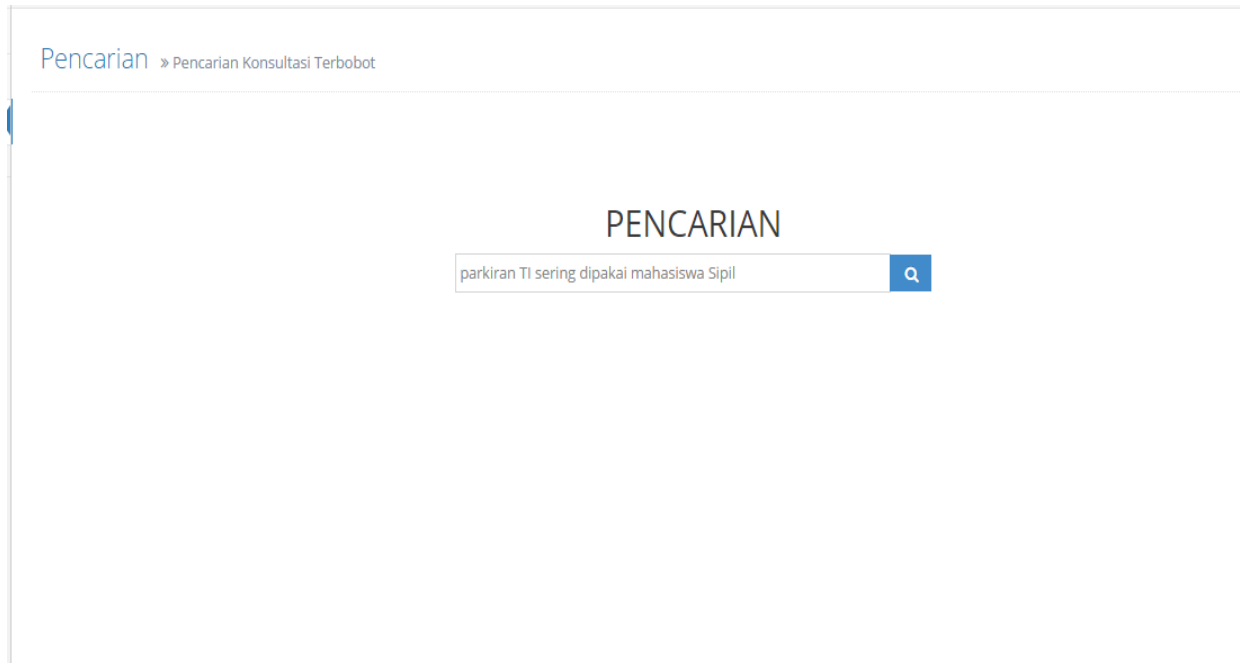
## Project Description :

- An Application that converts all of the manual office administration to digital based in Ministry of Land, East Kalimantan.
- Feature :
  1. Incoming mail.
  2. Outgoing mail.
  3. Guest Book.
  4. Letter of Assignment.
  5. Disposition.
  6. Head Office Agenda.
- My Role As :
  1. Full-Stack Programmer

## Tools :

1. Back-End : PHP (Laravel)
2. Front-End: HTML, CSS, Bootstrap, JQuery, Angular.
3. Database : MySQL.

# Web Konsultasi Hima TI (College Final Project)



## Project Description :

- Application that record student's question, complaint, suggestion, and critics to HIMA TI Organization and TI's Academics.
- **TF-IDF** method searching data.

## Tools :

1. Web : PHP (Native), JQuery.
2. Database : MySQL.