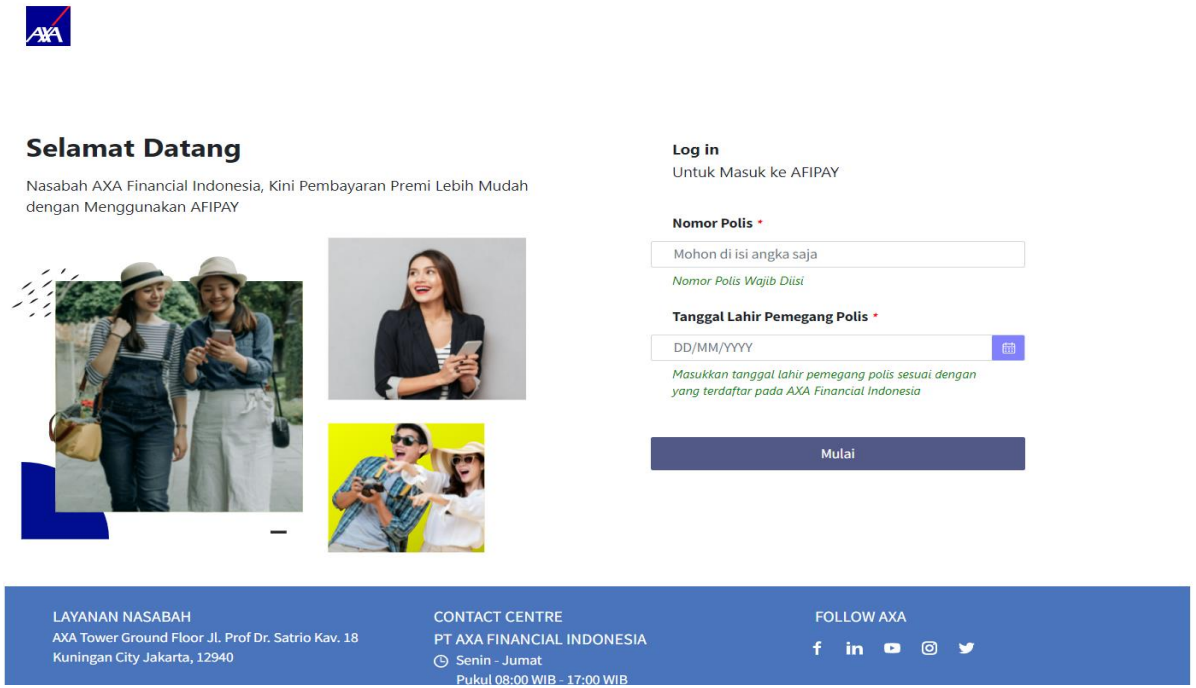
Hello !
I’m Alif Fandio Arianda
This Is My Portofolio

AFIPAY



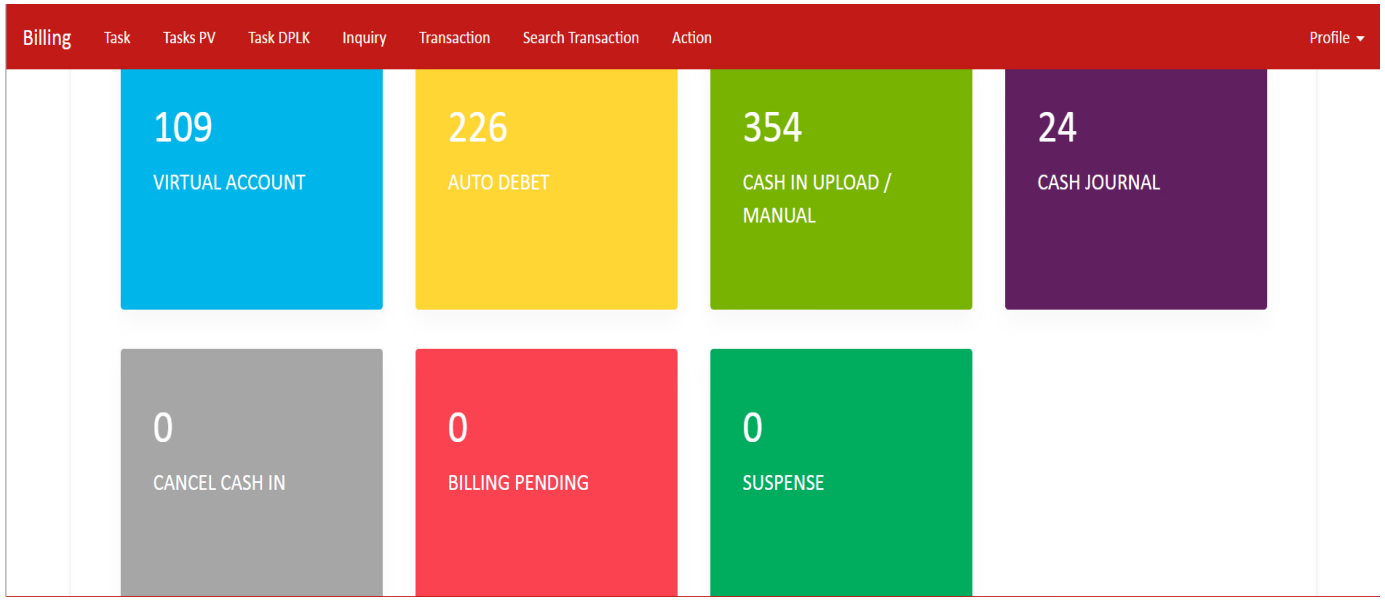
Tools :

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



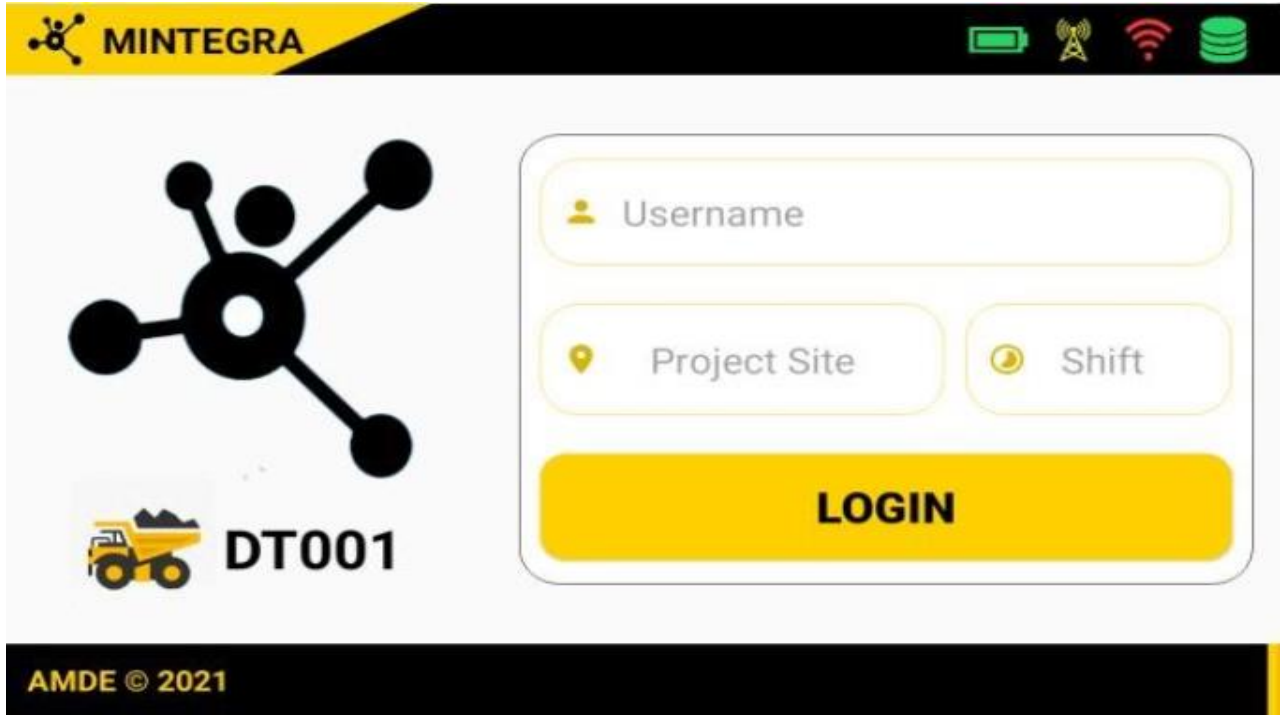
Tools :

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



Tools :

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

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

FLEET MANAGEMENT SYSTEM

FLEET MANAGEMENT SYSTEM

FMS BSS
Fleet Management System

LOGIN

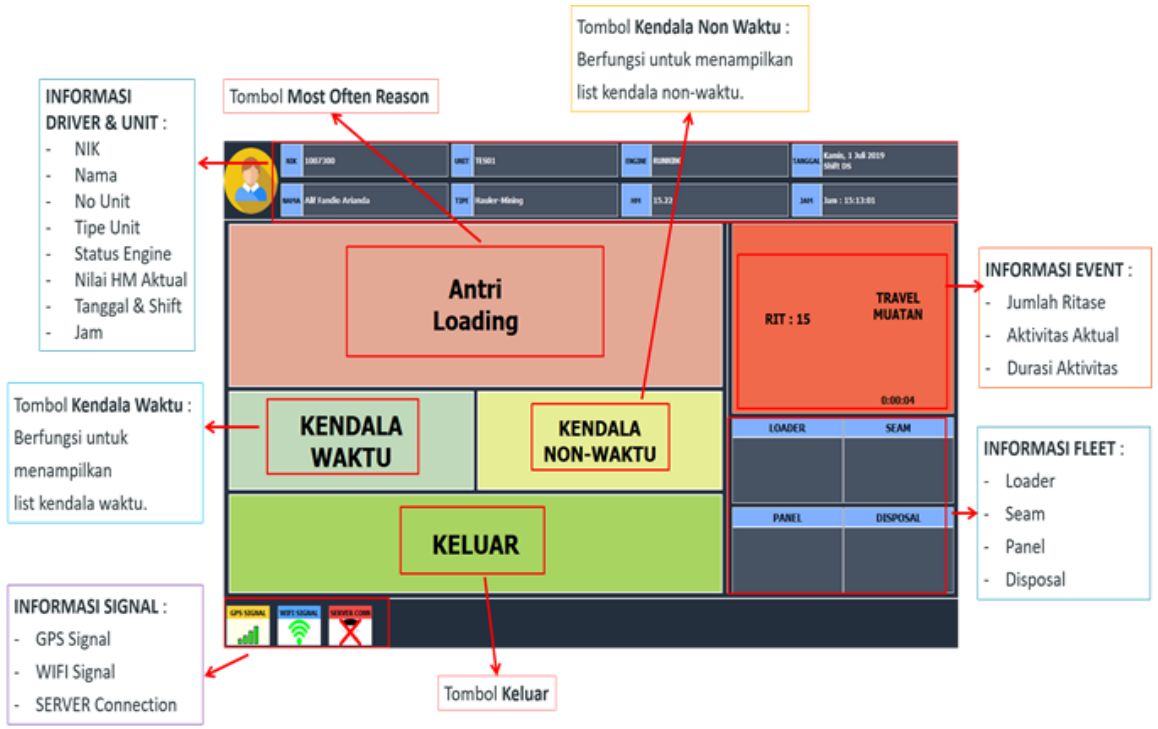
USERNAME

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)

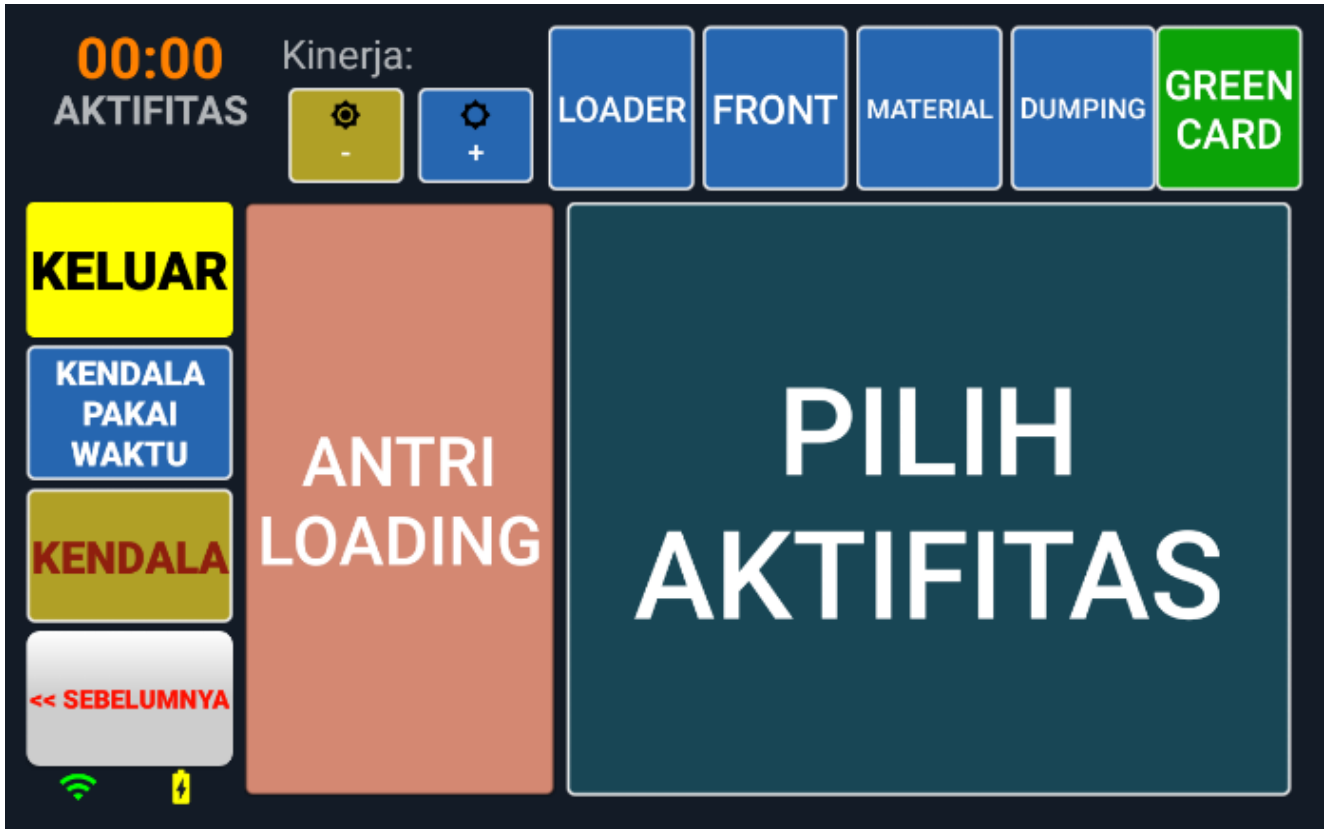
Project Description :

- 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



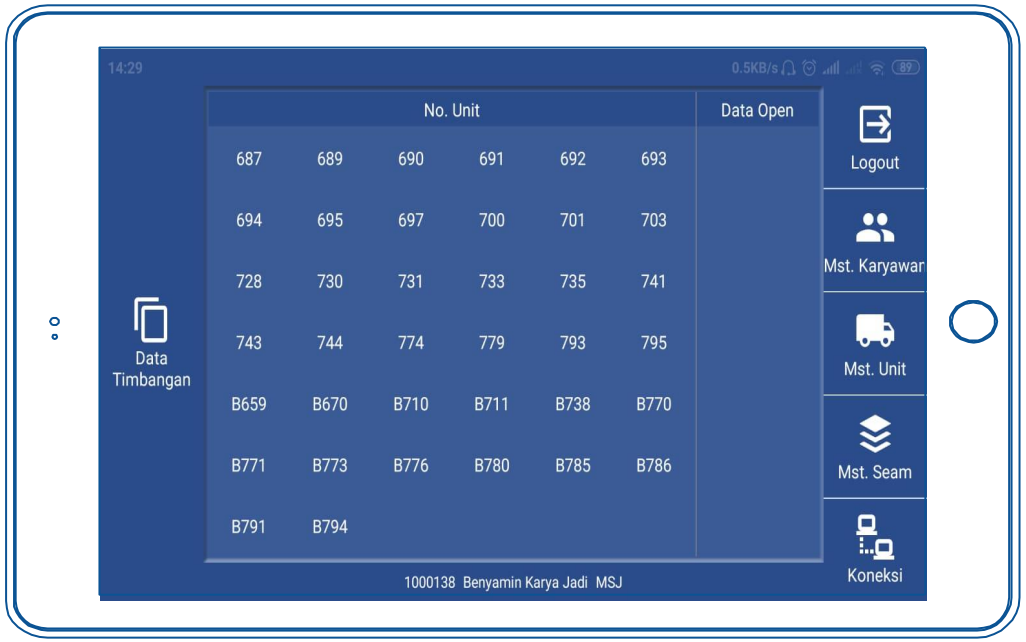
Project Description :

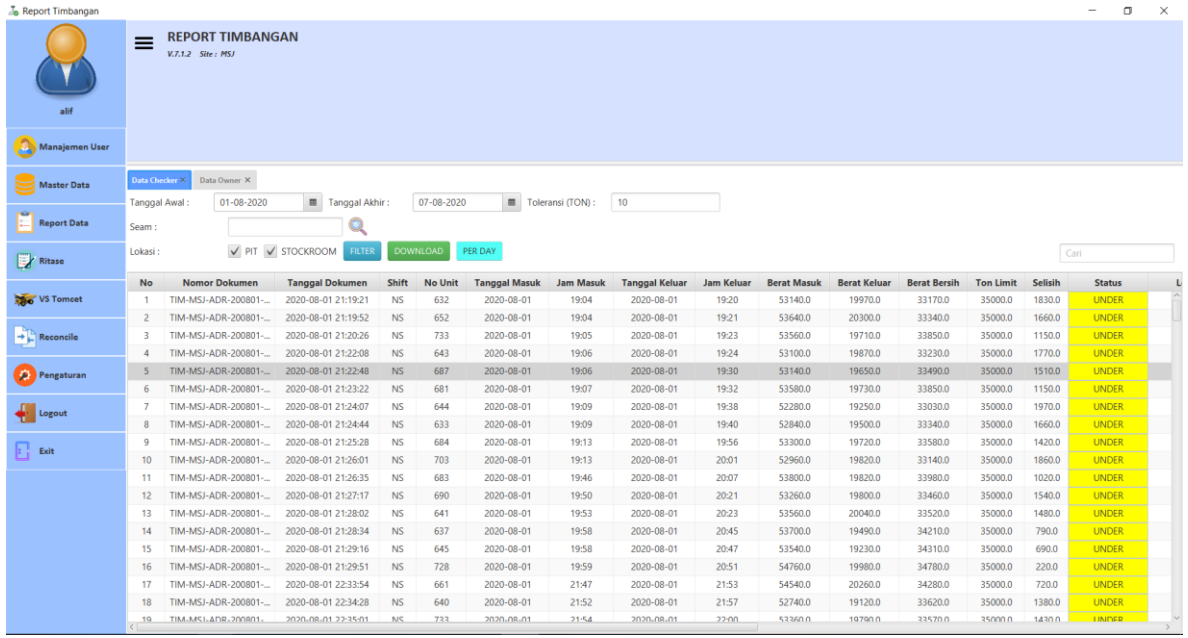
- Android based feature embedded in Tomcet that facilitate user to input **UNSAFE CONDITION** and **UNSAFE ACT** found in the working area.
- Unsafe Condition.
- Unsafe Act.
- Department, Condition, Danger Code.
- My Role as :
  1. Project Leader
  2. System Analyst
  3. Data / Database Engineer
  4.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

Tools :

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

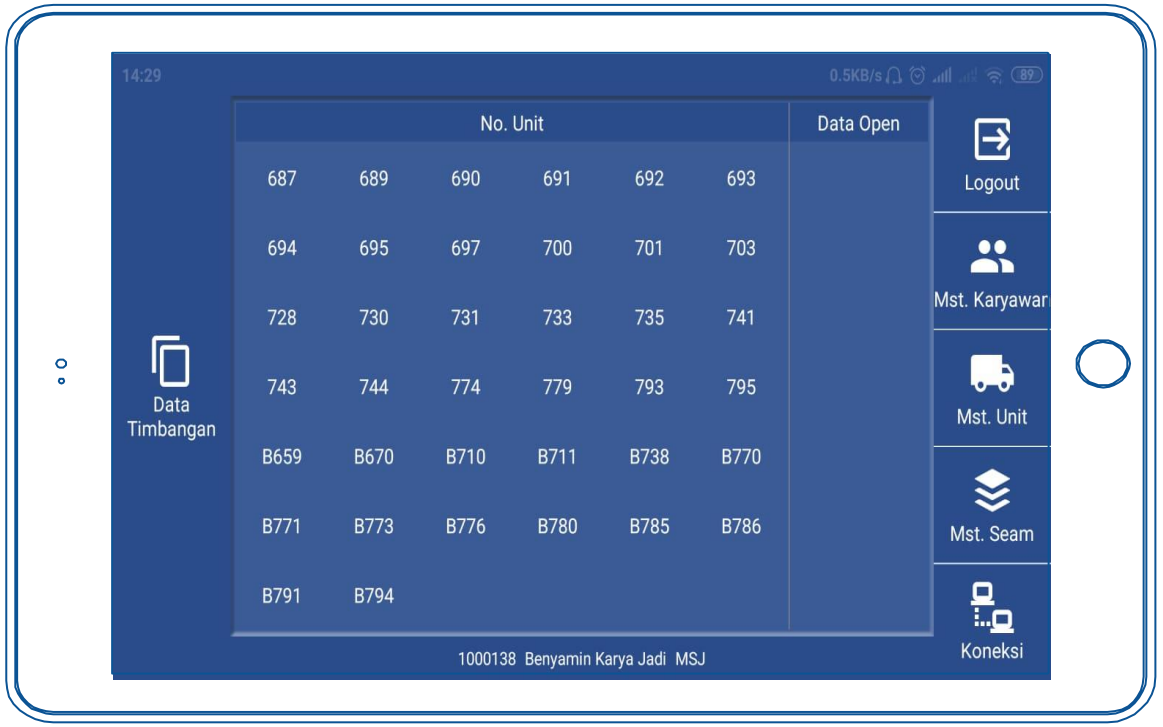
SISTEM TIMBANGAN (WEIGHING SCALE SYSTEM)





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



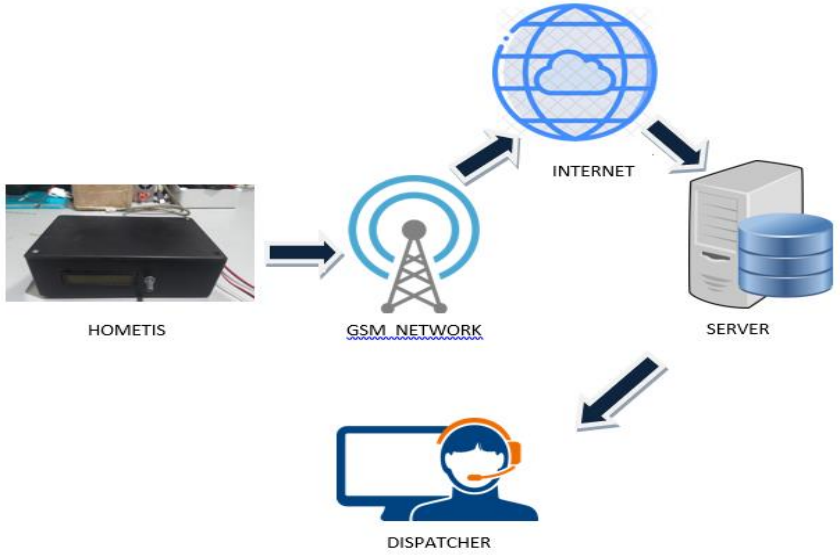
Tools :

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

Hometis (Hour Meter Otomatis)

Project Description :

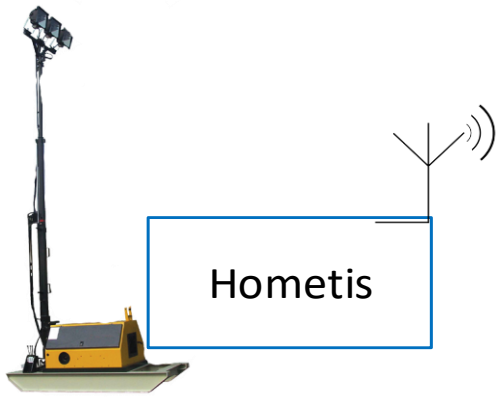
- Microcontroller integrated with Raspberry Pi System that count, local save, and send Hauler's **Hour Meter** data to server.
- Hour Meter Data.
- Count.
- Local DB.
- Server DB.
- Report List : **HM Driver, HM Unit, Monitoring Plan Service**.
- My Role As :
  1. Project Leader
  2. System Analyst
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



TL-2

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)

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)

SENSOR ALL IN ONE

SENSOR

TDS Sensor

PH Sensor

Turbidity Sensor

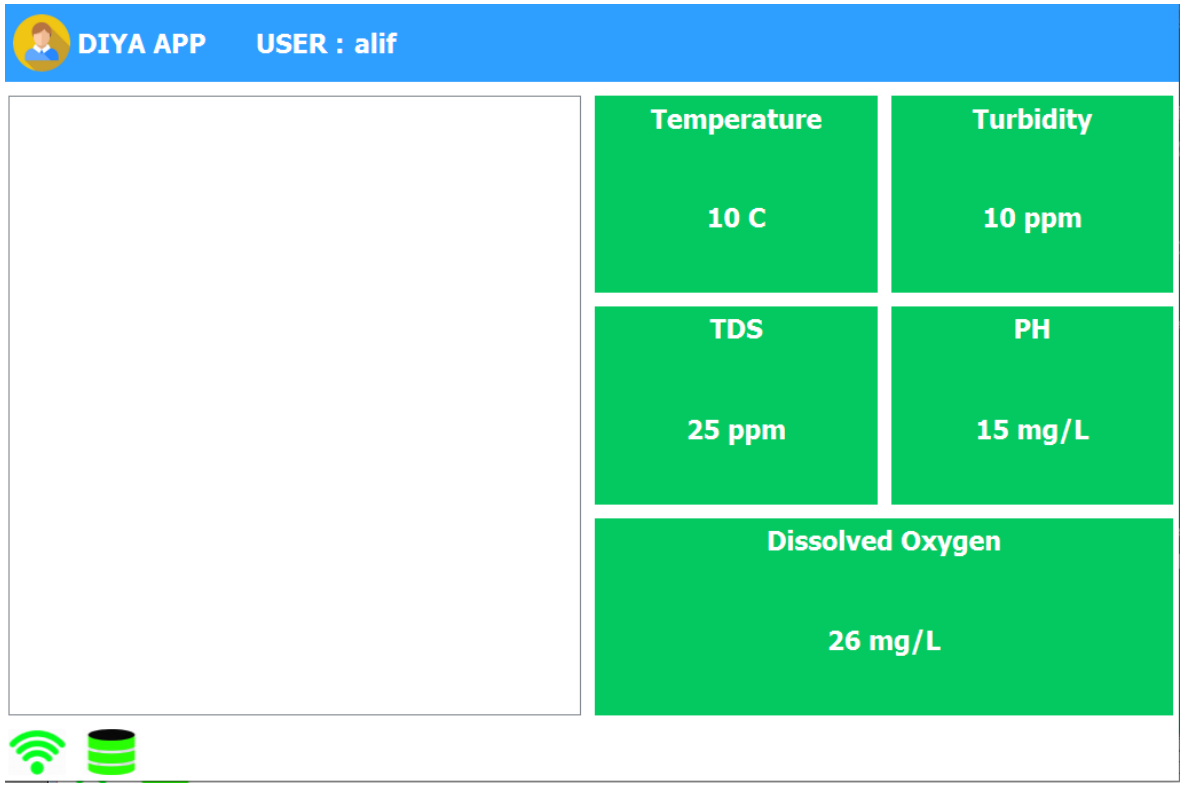
Temperature Sensor

Dissolved Oxygen Sensor

Ultrasonic / Photoelectric Sensor

Project Description :

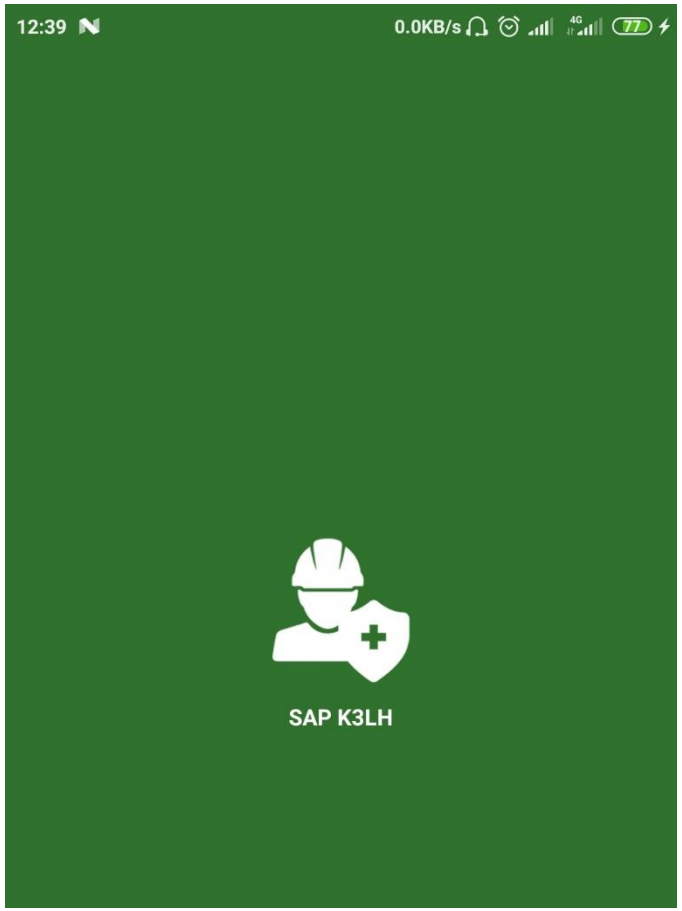
- IoT System in Aquaculture field, that record 5 water quality parameters.
- 5 Parameters : **Temperature, Turbidity, TDS, PH, Dissolved Oxygen**.
- Local DB.
- Server DB.
- Automatic (Using sensors).
- Alert / Warning Notification (Value > Standard).
- Realtime monitoring.
- My Role As :
  1. System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



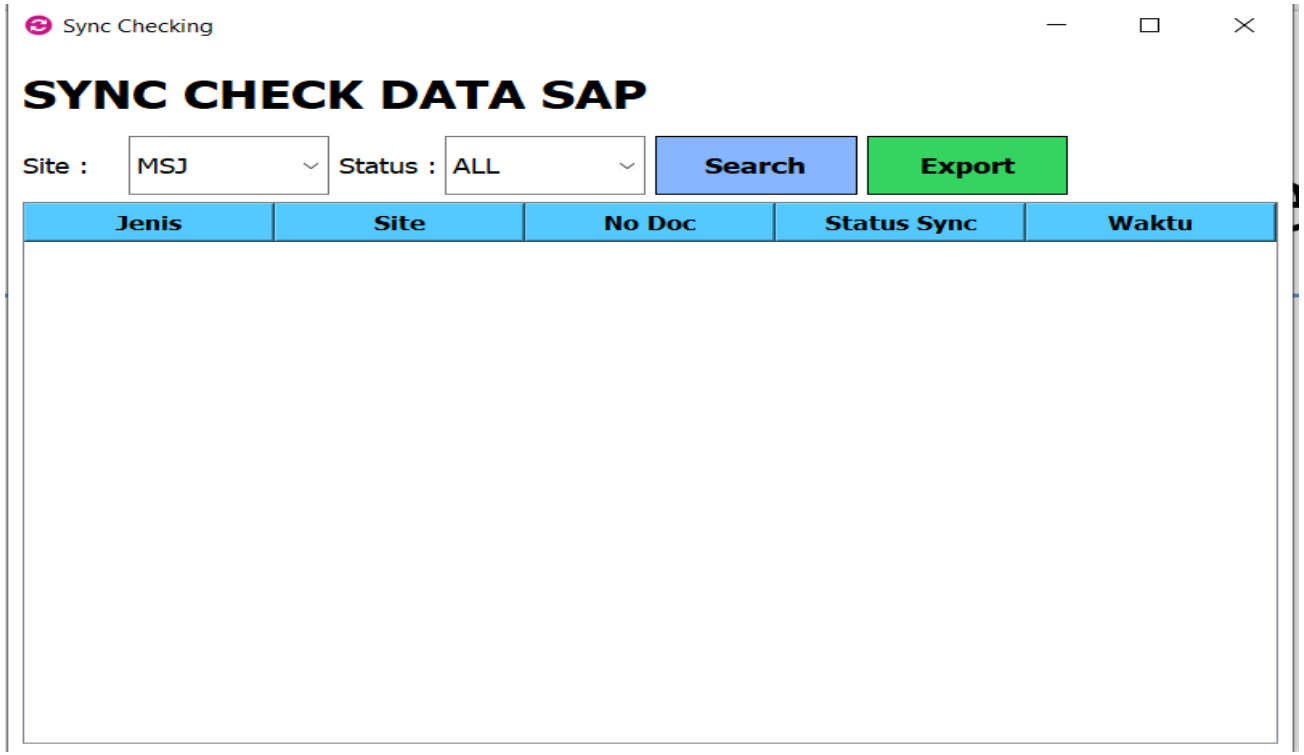
Project Description :

- Application that record inspection activites 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.

E-Office

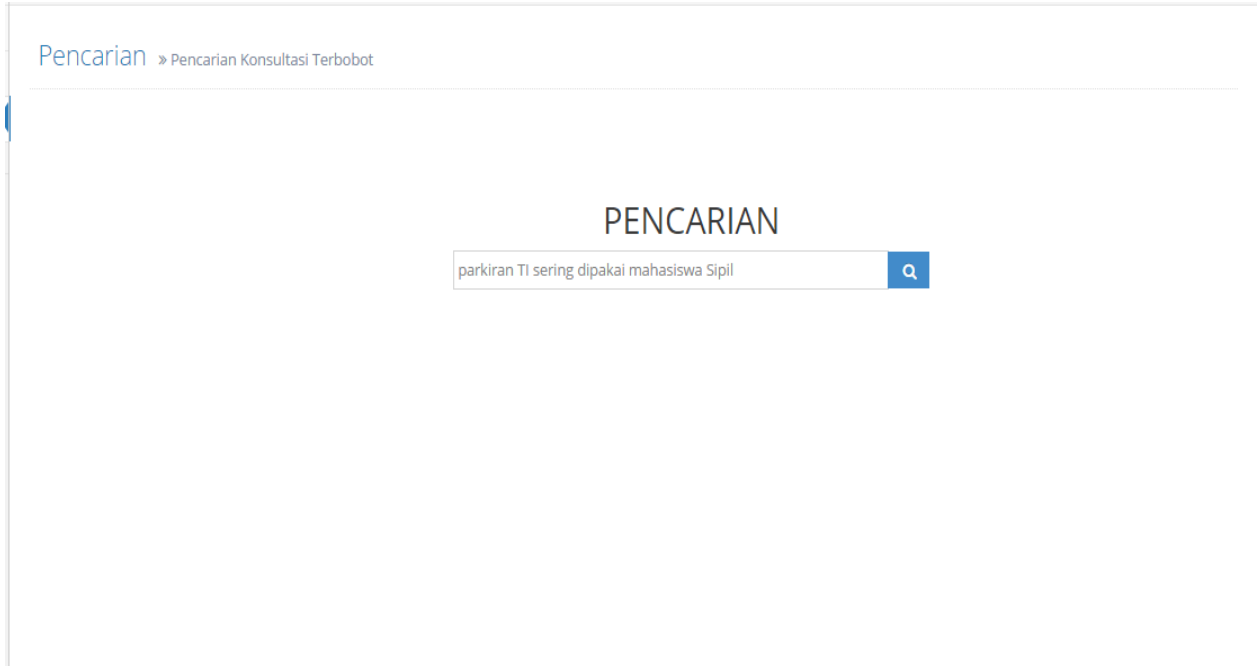
Project Description :

- 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.