

# Ekida's Portfolio

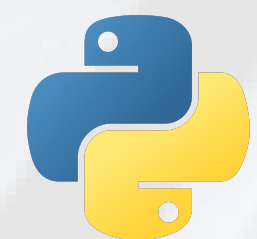
as Business Intelligence Intern at Sinar Mas Land

Updated per October 2024



## Oh, Hi!

Ekida is a data-driven graduate with a passion for uncovering insights through analytics and statistical modeling, a quick learner with one year of experience in data analytics and business intelligence. Experienced in tools like **Power BI**, **Looker Studio**, **Tableau**, **Excel**, **SQL Query**, and **Python**. Her adaptability and curiosity make her well-prepared to contribute to roles focused on data analytics and modeling.



# Highlighted Experiences as BI Intern at **sinarmas land** Building for a better future

## About BI Internship @Sinarmas Land

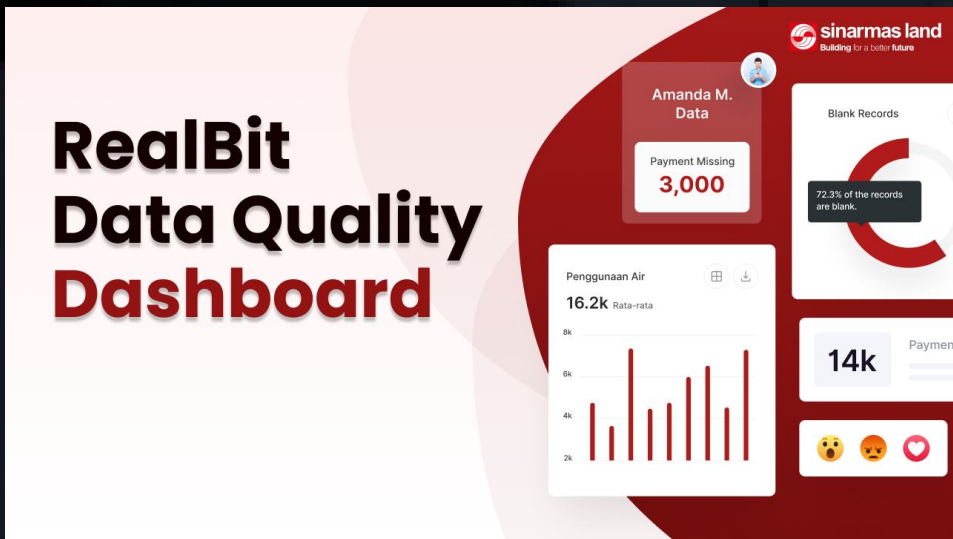
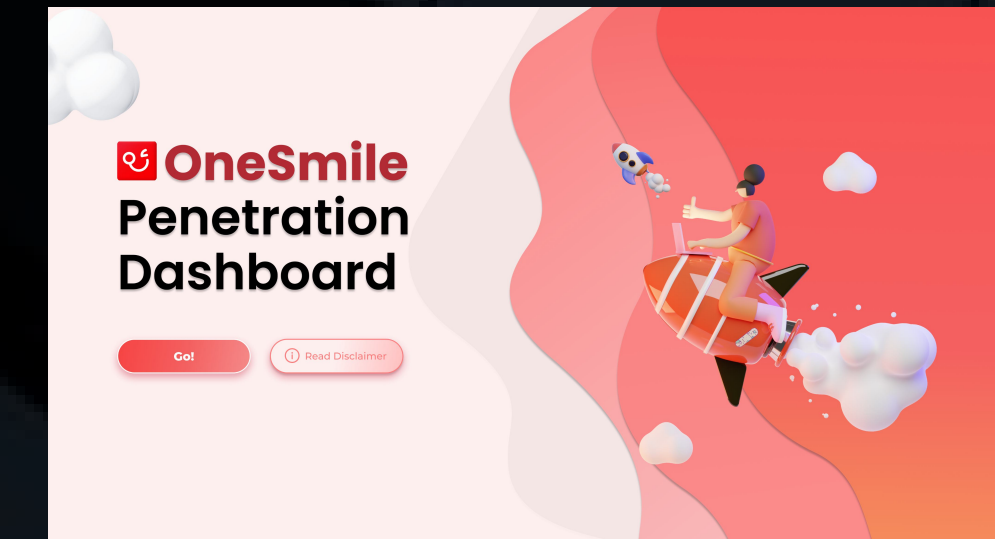
Business Intelligence (BI) at Sinarmas Land uses tools and technology to gather, analyze, and present data to support better decision-making. A key part of **BI** is **report automation**, which **automatically generates PowerBI reports without manual work**. These automated reports provide up-to-date and accurate insights into performance and trends, either in real time or on a set schedule.

**Scope:** Business Intelligence, Data Visualization

### Main Responsibilities:

- Developed, optimized, and deployed automated Power BI dashboards during a 4-month internship. These dashboards provided real-time insights to both internal and external teams, accelerating decision-making and improving operational efficiency.
- Coodinated and managed **System Integration Testing (SIT)** for **7 dashboards** over 3 month using SQL query, ensuring seamless functionality and data accuracy before User Acceptance Testing (UAT) and final deployment.

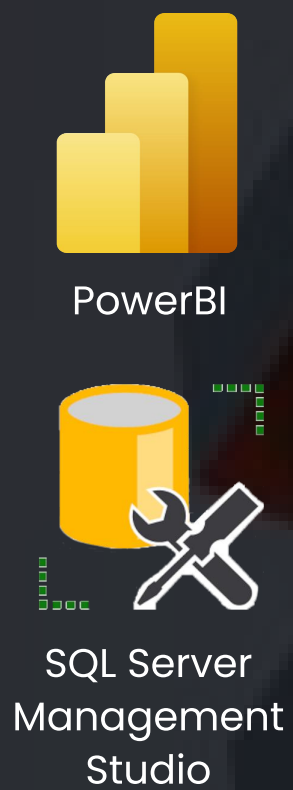
### Report Projects:



### Internship Detail:

**Formal Position :** BI Report Quality Assurance Intern  
**Team :** Business Intelligence – Report Management  
**Function :** Enterprise Data Management  
**Supervisors :** Abdul Aziz Sudiro  
**Period :** 27 May 2024 – Now

### Tools



\*The published information has already been filtered and does not contain any confidential data.



# 1st Project: OneSmile Penetration Report

## About Onesmile App:

OneSmile is an integrated community application that simplifies services and information delivery specifically for the residents of BSD City

## About OneSmile Penetration Report:

This report enables users to track penetration trends over the past 12 months, categorized by Projects, Clusters, Housing Cluster Groups, and OneSmile Penetration Groups. Users can identify clusters with low penetration and potential clusters for growth.

## What We Did:

- **Transform the Data Using Power Query and Model the Data:** Structured the data in a star schema to optimize performance and query efficiency.
- **Redesigned and Enhanced the User Interface (UI):** Improved the layout and usability for a better user experience.
- **Simplified Measures and DAX:** Streamlined calculations to improve report efficiency and maintainability.
- **Deployed to Production:** Managed the transition from development to production, ensuring smooth deployment.
- **Conducted SIT and UAT:** Organized and facilitated System Integration Testing (SIT) and User Acceptance Testing (UAT) to validate the report and ensure stakeholder satisfaction.

## Challenges:

- Data discrepancies surfaced during testing, requiring close coordination with the data team to ensure accuracy.
- Managing multiple stakeholder expectations during the redesign process, balancing functionality with usability.



## Tools:



# 2nd Project: RealBit Data Quality Report

## About RealBit:

RealBit serves as a key platform at Sinarmas Land for tracking and managing payment transactions and invoice records, including IPL (Iuran Pengelolaan Lingkungan) and water payments.

## About RealBit Data Quality Report:

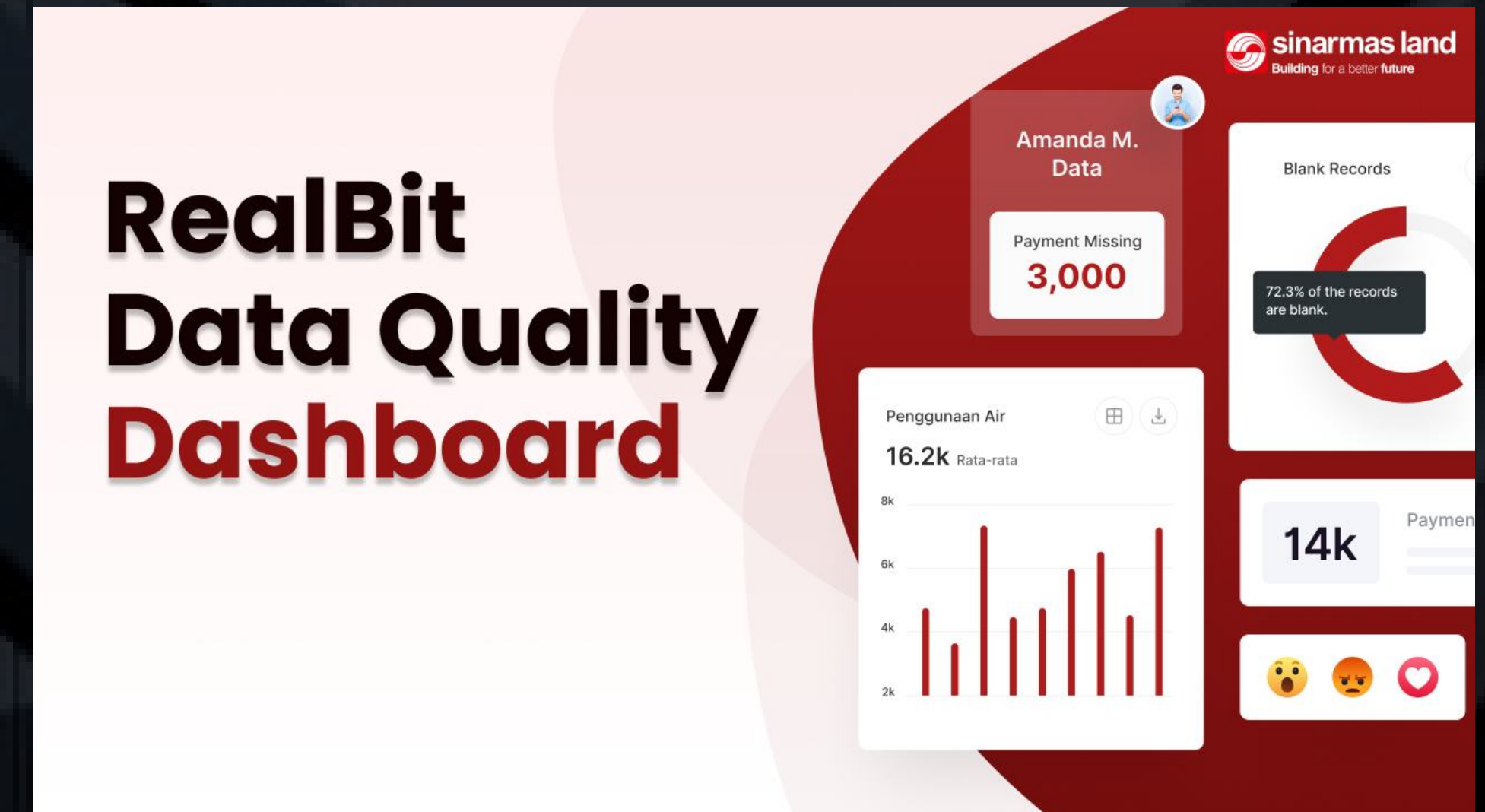
This report enables users to track which column is missing and why, analyze the data behavior, is there any outlier and present the findings to Data Governance department.

## What We Did:

- **Transformed the Data using Power Query:** Unpivot, merging, and adjust.
- **Redesigned and Enhanced the User Interface (UI):** Improved the layout and usability for a better user experience.
- **Simplified Measures and DAX:** Streamlined calculations to improve report efficiency and maintainability.
- **Deployed to Production:** Managed the transition from development to production, ensuring smooth deployment.

## Challenges:

- Huge size of data, around 4 GB.
- Complex data transformation.





**About System Integration Testing (SIT):**

System Integration Testing (SIT) for Power BI Report Development is a crucial phase in the project lifecycle, focusing on testing the integration and interaction of Power BI reports with various **data sources**, **APIs**, and underlying systems. SIT ensures that the reports seamlessly integrate with the required data connections, retrieve and process data accurately, and present it in a coherent and consistent manner. During SIT, predefined **test cases** are executed to validate the **connectivity with data sources**, **verify data transformation and modeling processes**, and ensure the proper functioning of **filters**, **slicers**, and **interactive features**.

**What We Did:**

- **Data Testing:** Test the data
- **Redesigned and Enhanced the User Interface (UI):** Improved the layout and usability for a better user experience.
- **Simplified Measures and DAX:** Streamlined calculations to improve report efficiency and maintainability.
- **Deployed to Production:** Managed the transition from development to production, ensuring smooth deployment.
- **Conducted SIT and UAT:** Organized and facilitated System Integration Testing (SIT) and User Acceptance Testing (UAT) to validate the report and ensure stakeholder satisfaction.

**Challenges:**

- Data discrepancies surfaced during testing, requiring close coordination with the data team to ensure accuracy.
- Managing multiple stakeholder expectations during the redesign process, balancing functionality with usability.
- Tight deadlines for UAT and production deployment, requiring efficient collaboration and prioritization.

Test Case Number

TC 2.4	Data Total Recipient pada report sesuai dengan data source.	1. Membuka RMS 2. Membuka Broadcast Center Monitoring Dashboard 3. Klik button Activity pada Broadcast Center Monitoring Dashboard. 4. Cek data Total Recipient pada page Activity. 5. Memastikan data yang ditampilkan sesuai dengan data source.	Data Check	Data Total Recipient pada report sesuai dengan data source.	Passed	5/31/2024
TC 2.5	Data Freq. Broad/User pada report sesuai dengan data source.	1. Membuka RMS 2. Membuka Broadcast Center Monitoring Dashboard 3. Klik button Activity pada Broadcast Center Monitoring Dashboard. 4. Cek data Freq. Broad/User pada page Activity. 5. Memastikan data yang ditampilkan sesuai dengan data source.	Data Check	Data Freq. Broad/User pada report sesuai dengan data source.	Passed	5/31/2024

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