

MANAGEMENT INFORMATION SYSTEMS & CUSTOMER DASHBOARD VSAT SERVICES IN PT XYZ

Erni Zuliani*, Ardiansyah Does**
Faculty of Computer Science, Universitas Mercu Buana
ernizuliani@gmail.com*, ardian@mercubuana.ac.id **

Abstract

The development of Information Technology nowadays has caused a shift in a corporate's standard of effectiveness and it has become a compulsory for its development. The new standard is in line with the need of information that is easy to get and efficiently. PT. XYZ is a national private company engaging in telecommunication network business, and focused on equipment supplying and telecommunication service based on Very Small Aperture Terminal (VSAT). In order to organize the project, PT. XYZ currently has not used the full information system. By using a Dashboard Management Information System, it is expected to help corporate's to achieve an activity mechanism that is more effective and controlled that enables them to be implemented to ease the monitoring, managing the current project so that it can be well-organized.

Keyword : Dashboard, Management Information System, Speed, Effective, Implementation, Corporate.

Introduction

The rapid development of Information Technology currently are produce a shift in the effectiveness of a company's standards. As has been known that the effectiveness of the Implementation of Information System is one of the important parts of a company component are makes it easy for business people to make the more practical working system in project monitoring to achieve a business goals.

PT. XYZ is a national private company engaging in telecommunication network business, and focused on equipment supplying and telecommunication service based on Very Small Aperture Terminal (VSAT). Currently it has not used the information system completely. For data management is still done. Sales is one of the divisions in PT XYZ, which has the responsibility to get the project, monitoring projects provided by the customer.

Teoretical Basic

According to Tata Sutabri, Information system is a system within an organization that reconciled of needs the daily transaction processing that supports the organizational managerial function in the strategic activities of an organization to be able to provide to certain outside parties with the necessary reports.

Management information systems, a commonly term known as an intregeted human/ machine system for information delivery to support the operations, management, and decision-making in the functions of an organization. This system are using hardware, software and basic data.

VSAT (*Very Small Aperture Terminal*) is a satellite signal receiving station with a dish-shaped receiver with a diameter of less than three meters. The main function of the VSAT is to receive and send data to satellites. The satellite serves as the signal's successor to be sent to another point above the earth.

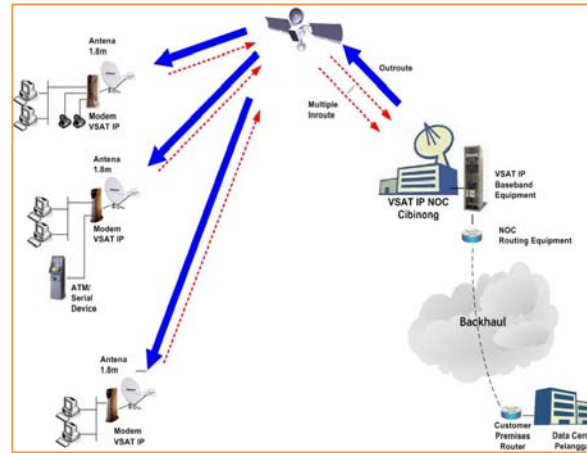


Figure 1 Network Architecture VSAT IP

Analysis And Designing System

PT. XYZ is a national business entity engaged in the telecommunication network with a business focus as a provider of telecommunication equipment and services based on *Very Small Aperture Terminal (VSAT)*.

Activity Diagram of Existing System

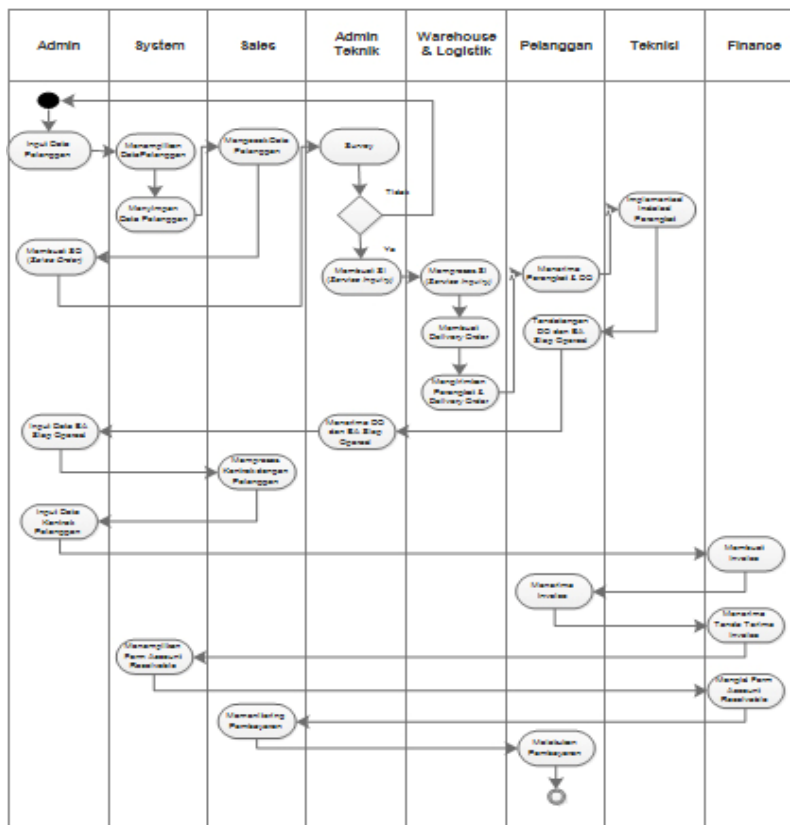


Figure 2 Activity diagram running system

Use Case Diagram of Proposed Model

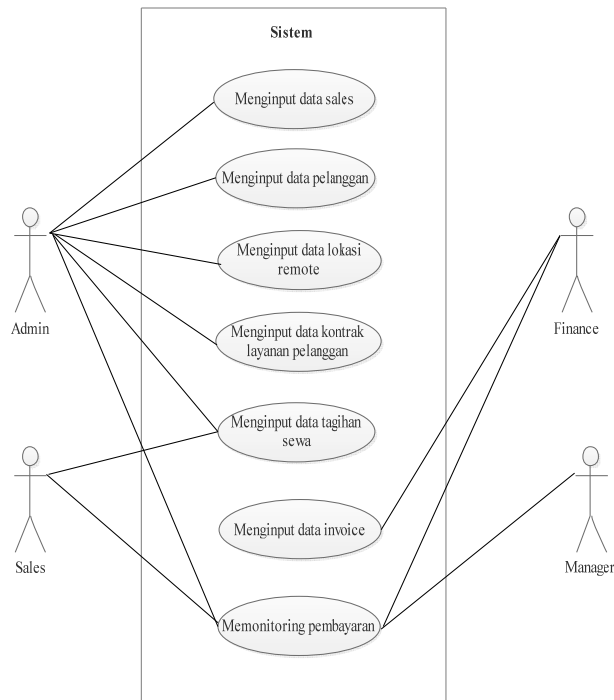


Figure 3. Use Case Proposod Diagram

Sequence Diagram

Sequence Diagram Proposed Input Customer Data & Proposed Remote Location

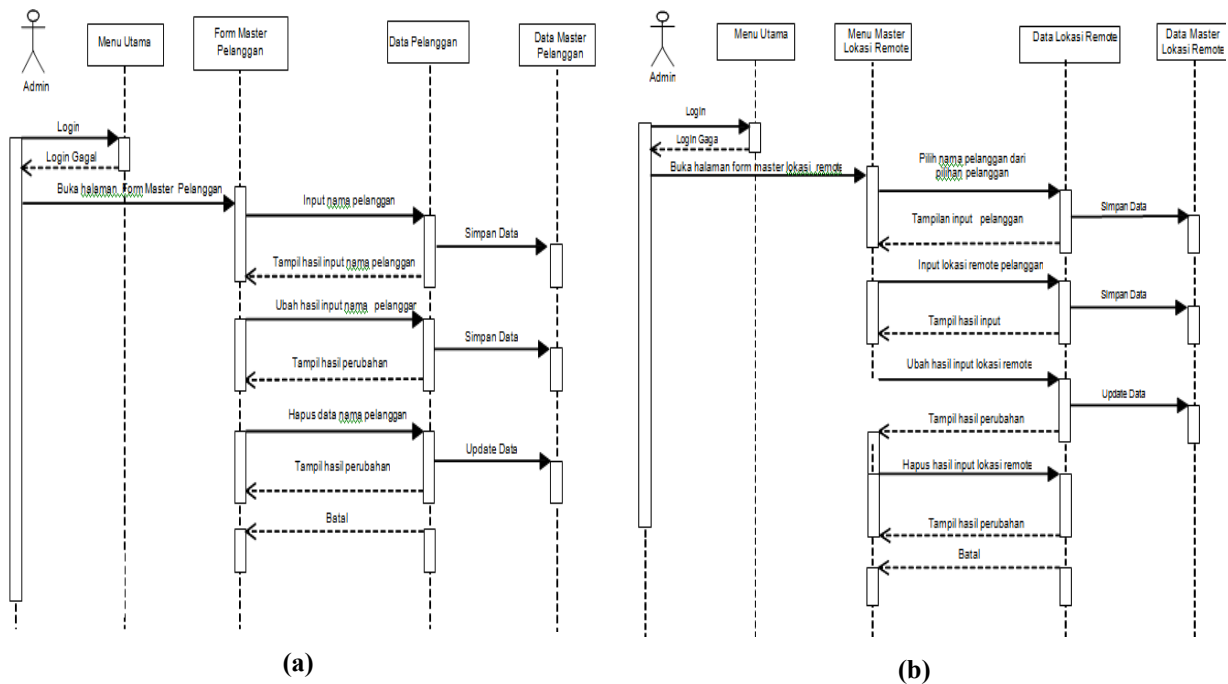


Figure4 (a) Sequence diagram proposed Input Customer Data, (b) Sequence Diagram Proposed Remote Location

Class Diagram

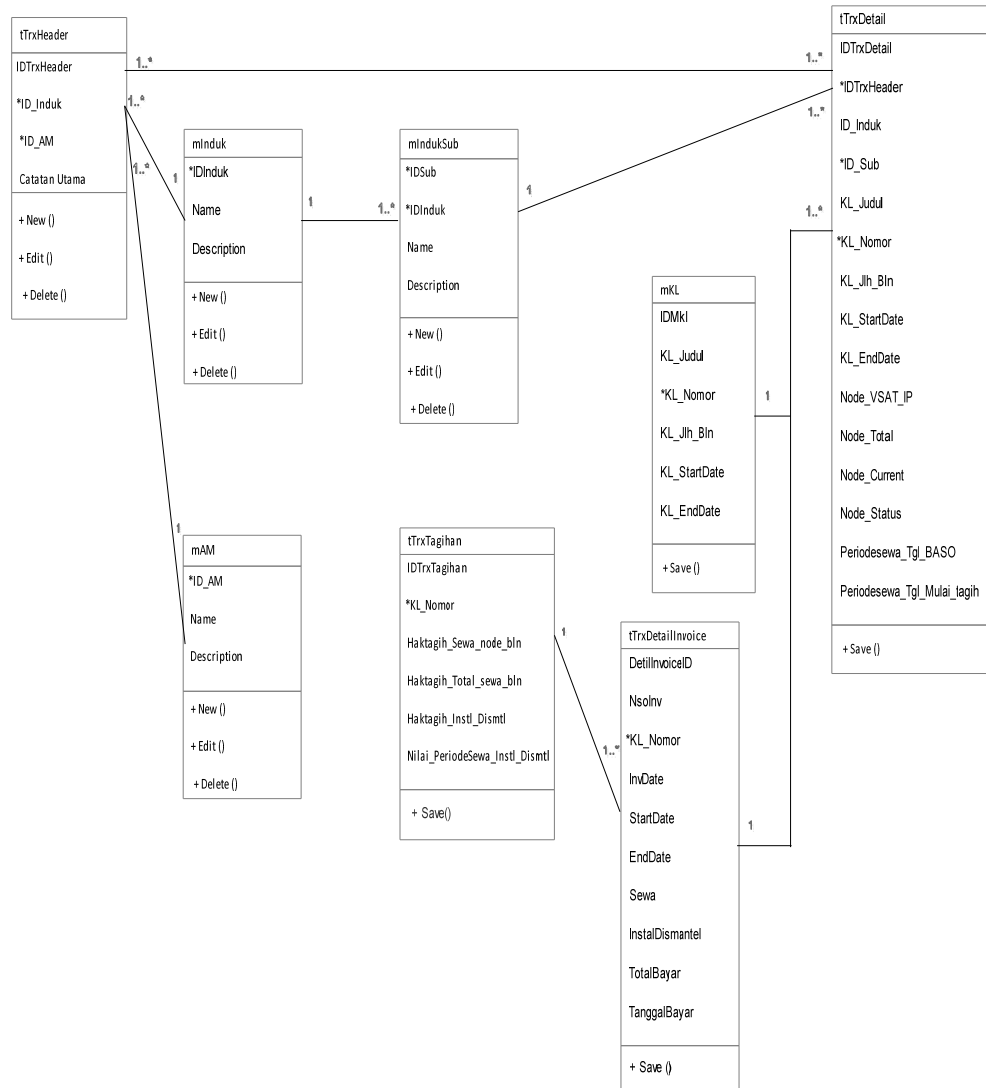


Figure 5 Class Diagram

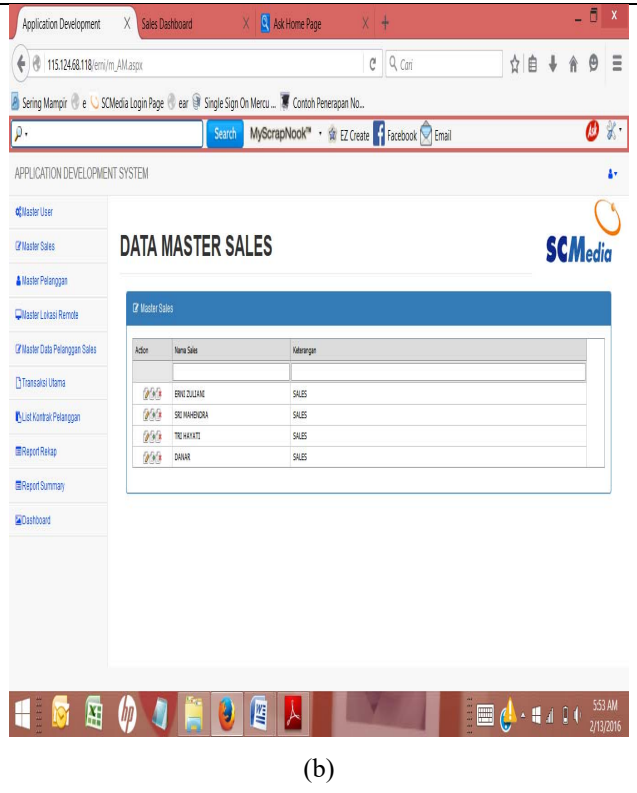
IMPLEMENTATION AND TESTING

The making aim of Management Information System & VSAT Dashboard Services in PT XYZ to facilitate monitoring, project management being handled so that each project can be organized well

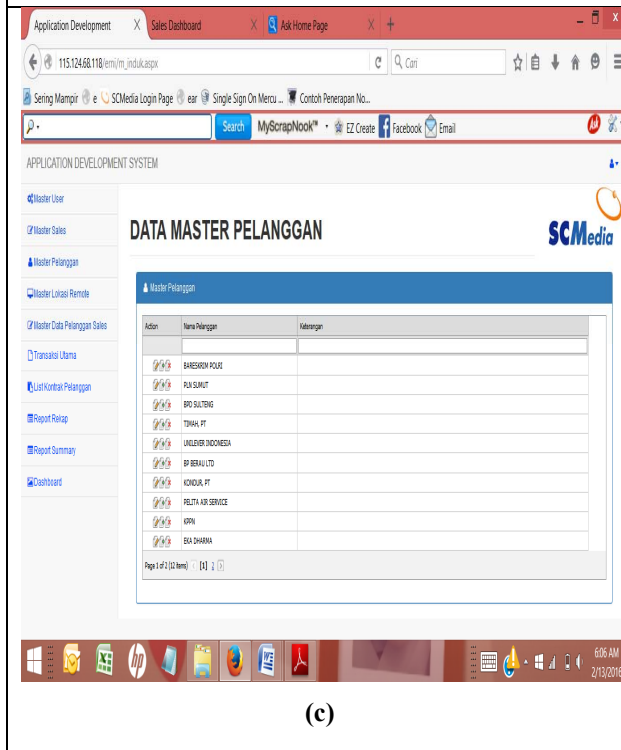
Menu Master User Display



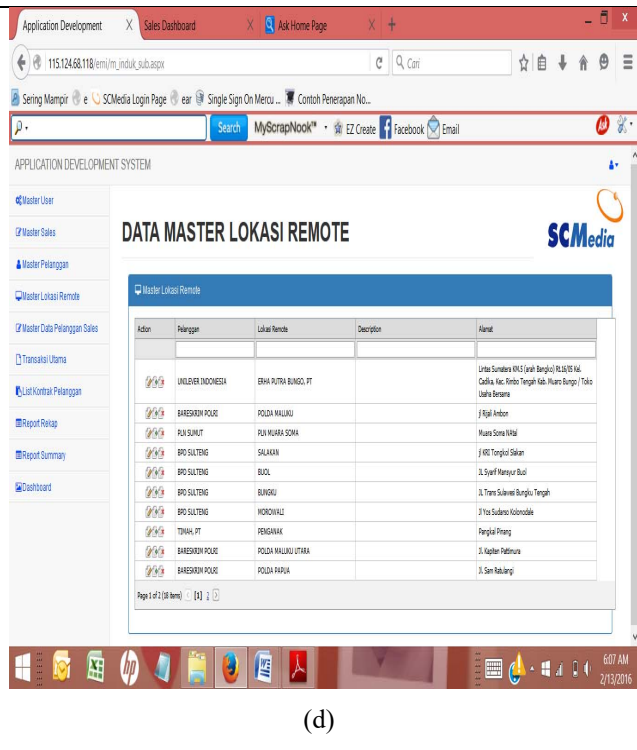
(a)



(b)



(c)



(d)

Figure7 (a)Menu Data Master User Display, (b) Main Transaction Menu Display- master Sales , (c) Menu Display for Master Customer, (d) Main Menu Display for Remote Location

Main Transaction Menu Display- Data Master Customer Bond

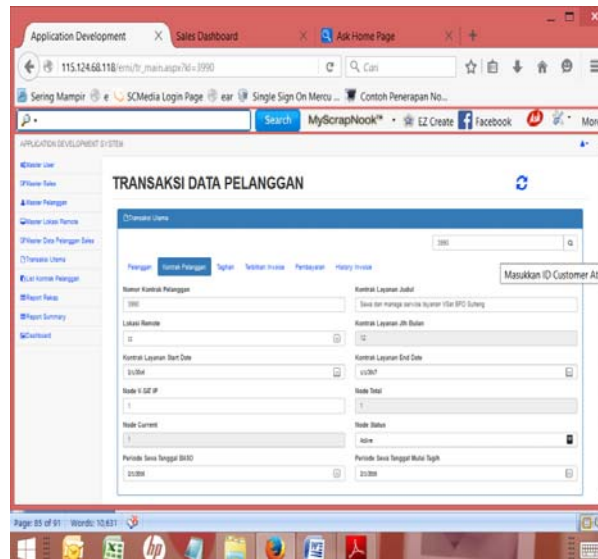


Figure 4.8 Main Transaction Menu Display- Data Master Customer Bond

Main Transaction Menu Display - Billing

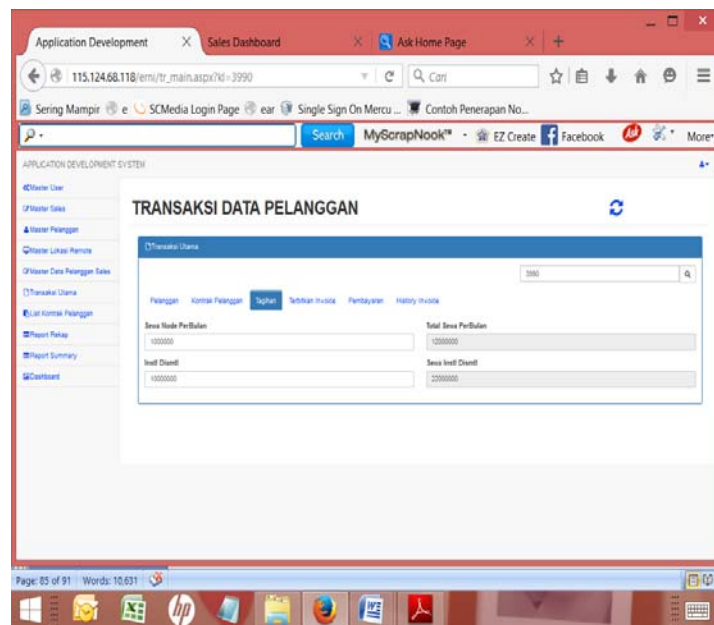


Figure 4.9 Main Transaction Menu Display - Billing

Main Transaction Menu Display- Invoice

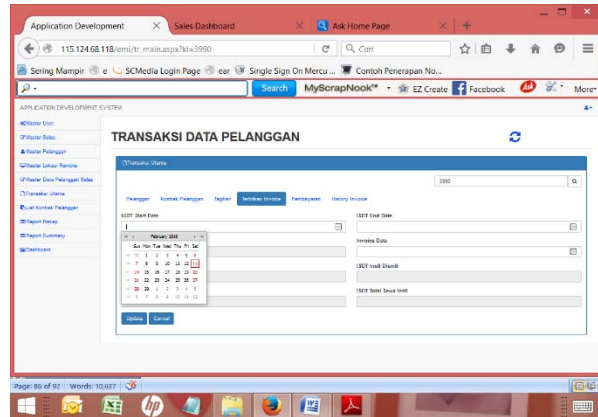


Figure 4.10 Main Transaction Menu Display

4.2.11 Main Transaction Menu Display- Payment

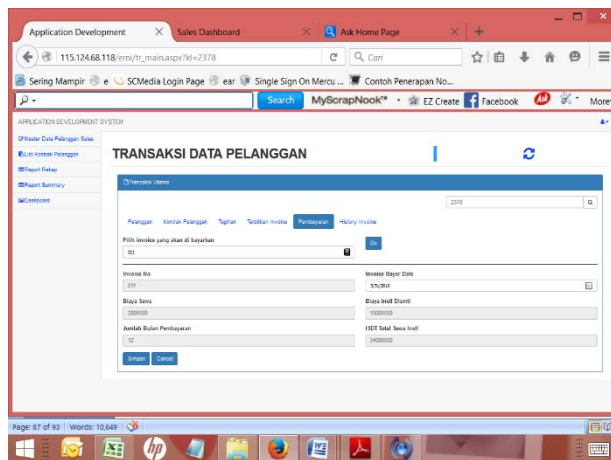


Figure 4.11 Main Transaction Menu Display-Payment

Report Summary Menu Display

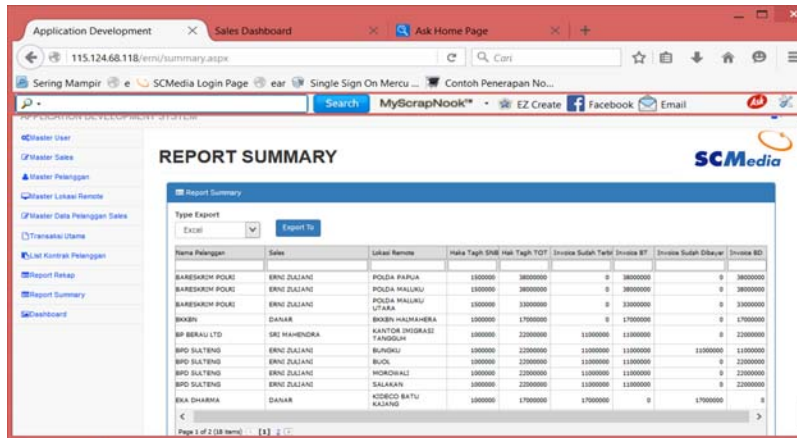


Figure 4.12 Report Summary Menu Display

Dashboard Menu Display

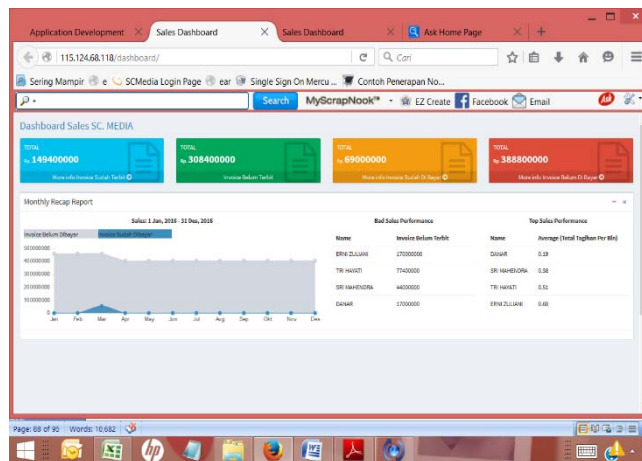


Figure 4.14 Dashboard Menu Display

References

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