

Tab 1

# Midterm Exam Report

**FinanSiswa: Smart Student Budgeting & Savings Tracker**

**Mobile Programming**



**Disusun oleh:**

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**FAKULTAS VOKASI UNIVERSITAS BRAWIJAYA**

**2025**

## 1. Project Title

### ***FinanSiswa: Smart Student Budgeting & Savings Tracker***

This title was chosen because it reflects the project's primary goal: to provide a smart budgeting app and savings tracker specifically designed for college students. The name "FinanSiswa" is a combination of the words "Finansial" and "Siswa," making it easy to remember and relevant to the target audience.

## 2. Background

College students are a demographic group in transition toward financial independence. Many of them, especially those living away from home, are managing their personal finances fully for the first time. Limited income, which typically comes from pocket money, scholarships, or part-time jobs, must be carefully allocated for various needs such as accommodation, food, transportation, academic and organizational needs.

A common problem is a lack of ability to track expenses and plan a budget, which can lead to financial difficulties before the end of the month. Furthermore, many students lack basic knowledge about the importance of saving and how to manage money wisely.

Therefore, the development of the "FinanSiswa" mobile app is crucial and necessary. This app is designed to be a practical solution that functions not only as a financial record-keeping tool but also as a personal financial assistant for students. With customized features like city-based budget presets and educational content, "FinanSiswa" aims to help students develop healthy and organized financial habits from an early age.

## 3. Scope

To ensure that the project can be completed properly within the time available, the following functional and technological limitations are set:

### **A. What will be implemented in this project:**

- Daily income and expense transaction recording functionality with a category system.
- Features for creating savings targets and monitoring progress towards achieving them.
- Preparation *template* or a monthly budget preset that can be adjusted based on the estimated cost of living in several major cities in Indonesia.
- A module containing educational content in the form of short articles or blogs about financial management tips for beginners.
- Simple financial report display in the form of summary and visual graphs.

### **B. What will not be implemented in this project:**

- Automatic data integration and synchronization with bank accounts or services *e-wallet*.
- Features related to investments, such as stocks, mutual funds, or cryptocurrencies.
- Function for recording accounts receivable and payable between users.
- Support for transactions with foreign currencies.

- System login or complex user registration; the application will focus on storing data locally on the device.

#### **4. General Features**

General features will be available across all platforms of FinanSiswa:

##### **1. Monthly Budget Management**

- Users can set and manage budgets by category.
- Includes a “Budget Preset” feature tailored to specific cities (e.g., Bandung), providing cost-of-living–based recommendations.
- Visual indicator showing how much of the budget has been used (e.g., “Terpakai Rp 0.0 (0%)”).

##### **2. Savings Goals (Target Tabungan)**

- Users can create and track multiple savings targets (e.g., “Trip ke Bali”).
- Each target displays the amount saved, remaining amount, and progress percentage.
- Option to add funds directly toward a goal.

##### **3. Transaction Tracking**

- Ability to add income and expense transactions.
- Dashboard displays Total Balance, Income, and Expenses in real time.

##### **4. Financial Reports & Insights**

- Summary of total monthly expenses and average daily spending.
- Comparison with previous month (e.g., “8% dari bulan lalu”).
- Visual or textual feedback on spending behavior (e.g., “Bagus! Pengeluaranmu masih terkontrol bulan ini.”).

##### **5. Financial Education (Edukasi Keuangan)**

- Access to quick tips and featured articles on smart money management.
- Includes practical advice like the 50/30/20 rule and the importance of emergency funds.

##### **6. Onboarding Guidance**

- Welcome screen prompting users to select their city to receive personalized budget recommendations.

9:30



### Selamat Datang di FinanSiswa

Kelola keuanganmu dengan mudah. Mulai dengan memilih kotamu untuk mendapatkan rekomendasi budget.



**Jakarta**

Rp 3.000.000 - Rp 4.500.000/bulan



**Bandung**

Rp 2.000.000 - Rp 3.000.000/bulan



**Yogyakarta**

Rp 1.800.000 - Rp 2.500.000/bulan



**Surabaya**

Rp 2.500.000 - Rp 3.500.000/bulan

**Lewati & Atur Sendiri**

9:30



Total Saldo

Rp 0.0

↗ Pemasukan

RP 0.0

↘ Pengeluaran

RP 0.0



Tambah Transaksi



Target Tabungan



Budget

Budget Bulanan

0%



Rp 0.0 dari 0.0

👉 Bagus! Pengeluaranmu masih terkontrol bulan ini.

Target Tabungan



Trip ke Bali

Rp 0.0 / Rp 0.0

0%



Beranda



Laporan



Target



Budget



Belajar

9:30



## Laporan Keuangan

Analisa pola pengeluaranmu

Total Pengeluaran

**Rp 0.0**

8% dari bulan lalu

Rata-rata Harian

**Rp 0.0**

8% dari bulan lalu

### Pengeluaran per Kategori



Makanan	42%	Transportasi	14%
Hiburan	10%	Lainnya	18%
Akademik	12%	Kesehatan	4%

  
Beranda

  
Laporan

  
Target

  
Budget

  
Belajar

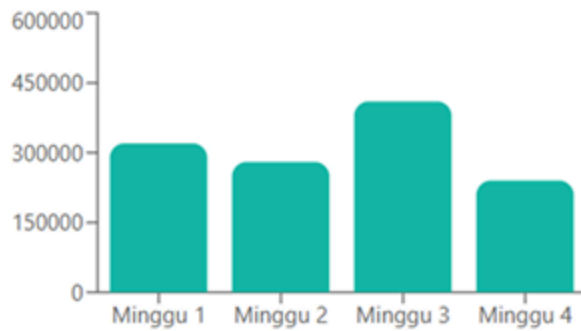
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### Tren Pengeluaran

Mingguan

Bulanan



### Insight Bulan Ini



Kamu menghabiskan **20% lebih banyak** untuk makanan dibanding budget. Coba masak lebih sering di kos!



**Hebat!** Kamu berhasil menghemat Rp 120K untuk transportasi dengan naik angkot.



Pengeluaran minggu ke-3 melonjak. Sepertinya ada pengeluaran tidak terduga.

### Hari Paling Boros

Sabtu

Rata-rata Rp 85K per Sabtu



Beranda



Laporan



Target



Budget



Belajar

9:30



## Target Tabungan

Wujudkan impianmu dengan menabung

 **Buat Target Baru**



**Trip ke Bali**

Bulan Tahun

0%



Rp 0.0

Rp 0.0

Sisa: Rp 0.0

**+ Tambah Dana**



**Trip ke Bali**

Bulan Tahun

0%



Rp 0.0

Rp 0.0

Sisa: Rp 0.0

**+ Tambah Dana**



### Kenapa Harus Punya Target?

Target tabungan membantumu tetap termotivasi dan fokus menabung. Mulai dengan target kecil!



Beranda



Laporan



Target



Budget



Belajar

9:30



## Budget Bulanan

Kelola pengeluaranmu per kategori

Total Budget

**RP 0.0**

Terpakai Rp 0.0 (0%)

Gunakan Budget Preset

Budget disesuaikan untuk kota Bandung



### Kategori Budget

[Edit](#)



**Makanan & Minuman**

Rp 520.000 / Rp 800.000

65%



**Transportasi**

Rp 180.000 / Rp 300.000

60%



**Akademik**

Rp 150.000 / Rp 200.000

75%



Beranda



Laporan



Target



Budget



Belajar

9:30



### Transportasi

Rp 180.000 / Rp 300.000

60%



### Akademik

Rp 150.000 / Rp 200.000

75%



### Hiburan

Rp 120.000 / Rp 200.000

60%



### Kesehatan

Rp 50.000 / Rp 150.000

33%



### Lainnya

Rp 230.000 / Rp 350.000

66%



### Tips Budget

- Gunakan aturan 50/30/20: 50% kebutuhan, 30% keinginan, 20% tabungan
- Review budget setiap minggu untuk tetap on track
- Sisihkan budget untuk dana darurat



Beranda



Laporan



Target



Budget



Belajar

9:30



**Mindset Uang** • 5 menit

### Jebakan Lifestyle Inflation

Baru dapat uang lebih, langsung upgrade gaya hidup? Hati-hati!...



### Istilah Keuangan

#### Cash Flow

Aliran masuk dan keluar uang. Kalau cash flow positif, artinya pemasukan lebih besar dari pengeluaran.

#### Passive Income

Uang yang kamu dapat tanpa harus bekerja aktif, seperti dari investasi atau royalti.

#### Emergency Fund

Dana darurat untuk keperluan tak terduga. Idealnya 3-6 bulan pengeluaran.



### Mulai Hari Ini!

Literasi keuangan adalah investasi terbaik untuk masa depanmu

Financial Freedom

Smart Money

Student Life



Beranda



Laporan



Target



Budget



Belajar

9:30



## Edukasi Keuangan

Belajar kelola uang dengan cerdas

### Tips Cepat



#### Catat Setiap Hari

Kebiasaan kecil ini akan mengubah hidupmu



#### Review Mingguan

Cek progress budget setiap minggu



#### Pisahkan Rekening

Jangan campur uang belanja & tabungan



#### Mulai dari Kecil

Target kecil lebih mudah dicapai

### Artikel Pilihan



**Tips Hemat** • 3 menit

#### 5 Cara Hemat Makan di Kampus

Mahasiswa sering kesulitan mengatur budget makan. Berikut tips praktisnya...



Beranda



Laporan



Target



Budget



Belajar

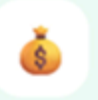
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**Tips Hemat** • 3 menit

### 5 Cara Hemat Makan di Kampus

Mahasiswa sering kesulitan mengatur budget makan. Berikut tips praktisnya...



**Mindset Uang** • 4 menit

### Kenapa Kamu Harus 'Bayar Diri Sendiri Dulu'

Konsep pay yourself first adalah kunci membangun kekayaan sejak muda...



**Budget** • 5 menit

### Cara Stick ke Budget Tanpa Stress

Budget bukan tentang membatasi diri, tapi tentang membuat prioritas...



**Pemasukan** • 6 menit

### Side Hustle untuk Mahasiswa

Cari uang tambahan sambil kuliah? Ini pilihan yang cocok untuk mahasiswa...



**Tabungan** • 4 menit

### Dana Darurat: Berapa yang Cukup?

Dana darurat itu penting, tapi berapa sih yang ideal untuk mahasiswa?...



Beranda



Laporan



Target

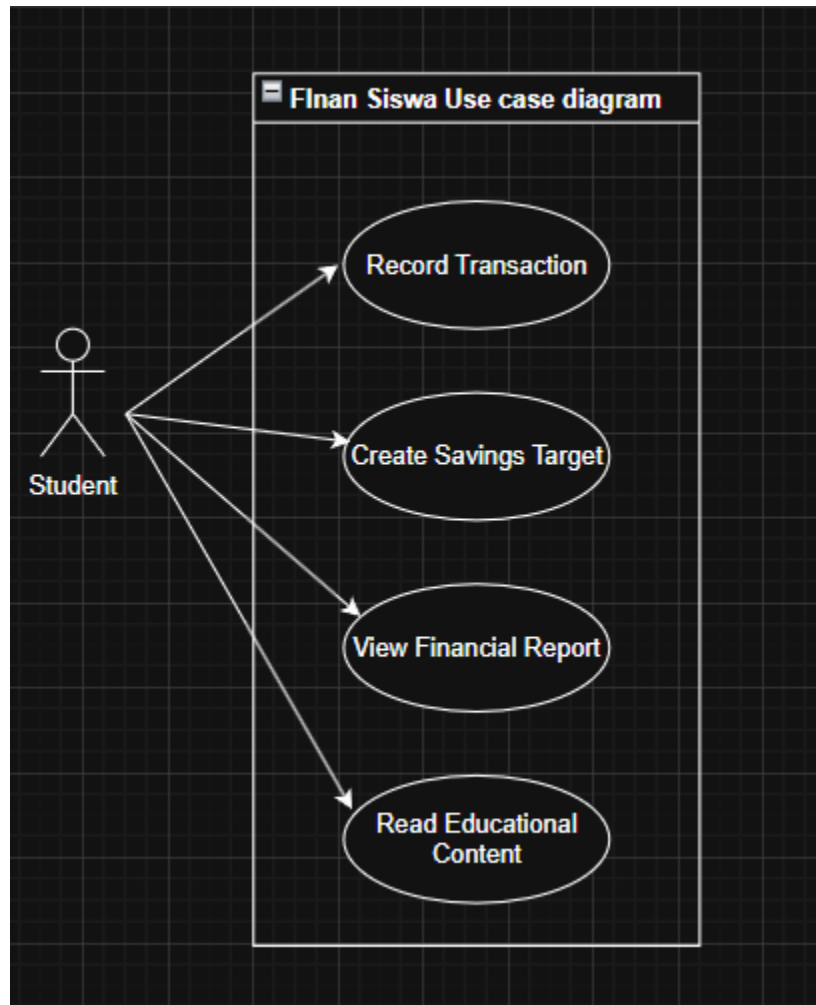


Budget

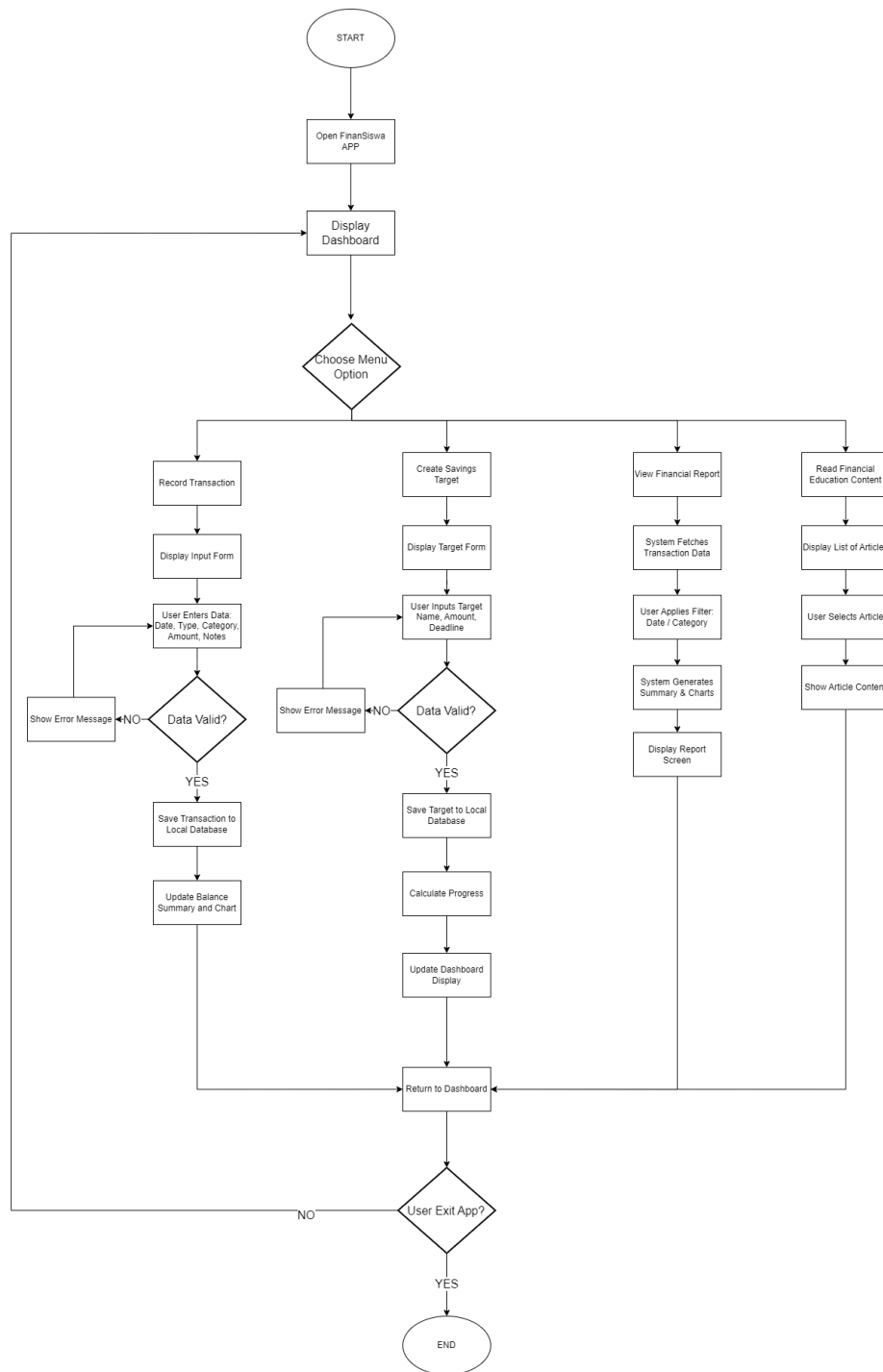


Belajar

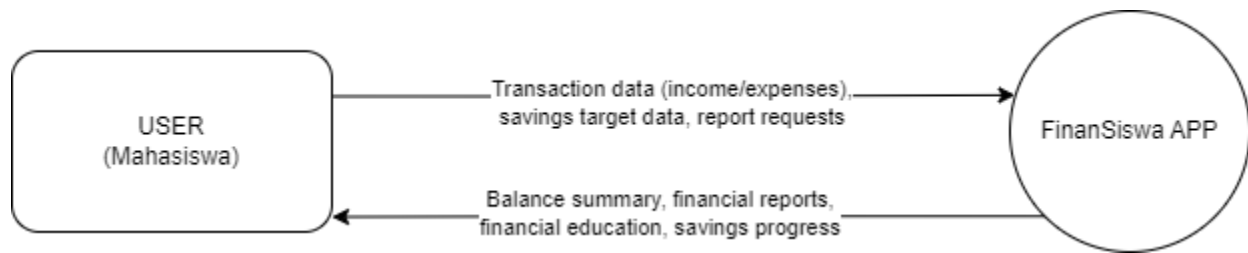
## 5. Use Case Diagram



## 6. Activity Diagram



## DFD LVL 0



## DFD LVL 1

