

# Rancangan Pembuatan API SPS



Baharsah, 22 November 2021  
<https://github.com/baharsah/apisps>

# BAB 1 Rancangan Basis Data

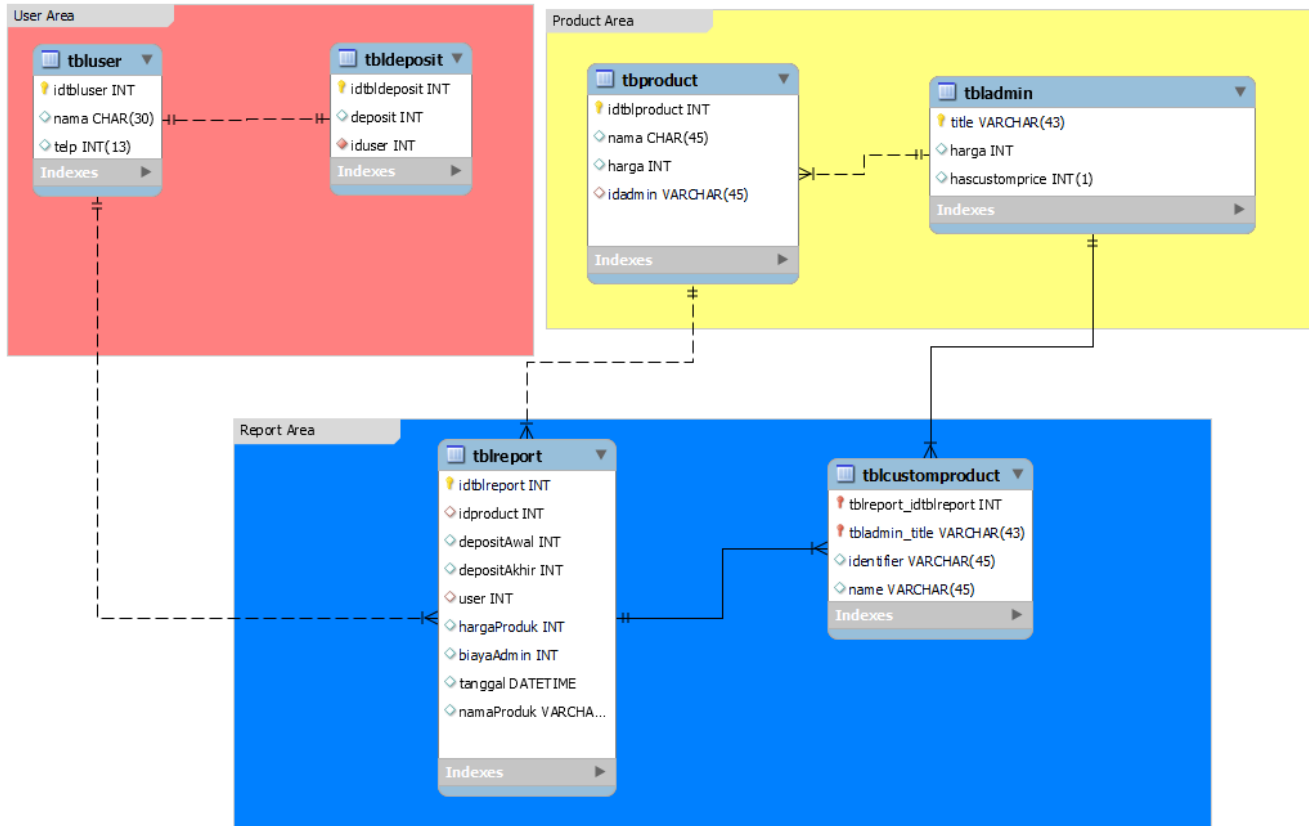


fig. 1.1 Rancangan Basis Data

Pada gambar diatas, Dirancang sebuah database dengan tiga bagian utama. Yaitu, Bagian User, Sistem, Dan Report

1. Bagian User adalah bagian dimana pengguna memiliki interaksi secara langsung dengan data tersebut. Seperti data pribadi dan data Deposit yang dapat dilihat masing-masing pengguna.
2. Bagian Sistem adalah bagian dimana Sistem yang mengatur Harga produk atau/dan biaya admin yang ada pada sistem.

3. Bagian Report adalah data diantara bagian User dan Bagian Report dimana Sistem dan Pengguna Sama-sama tidak terlibat langsung didalamnya dan hanya bersifat laporan data yang ada pada bagian tersebut.

# BAB 2 API Request

## 1. POST /payment/report

### 1. Request Parameter

☒ user [ Text ] = 1 ×

### 2. Expected Result

```
▼ [
  ▼ {
    idtblreport: "23",
    idproduct: "1",
    depositAwal: "10000000",
    depositAkhir: "9987700",
    user: "1",
    hargaProduk: "10300",
    biayaAdmin: "2000",
    tanggal: "2021-11-21 22:17:18",
    namaProduk: "DANA 10K 6285694994430",
    rand: null,
    detailProduk: ▶ {idtblproduct: "1", nama: "DANA 10K", harga: "10300", id
  },
].
```

## 2. POST /payment/checkcustom

### 1. Request Parameter

|                                     |              |   |      |   |   |                     |   |
|-------------------------------------|--------------|---|------|---|---|---------------------|---|
| <input checked="" type="checkbox"/> | payment_code | [ | Text | ] | = | 6285694994430       | × |
| <input checked="" type="checkbox"/> | user         | [ | Text | ] | = | 1                   | × |
| <input checked="" type="checkbox"/> | admin_code   | [ | Text | ] | = | esamsat-postpaid-mp | × |

### 2. Expected Result

```
{
  paymentCode: 6285694994430,
  productAdmin: "esamsat-postpaid-mp",
  adminPrice: 2000,
  daprice: {
    nama: "Eiris Arkani Arfan Perkasa",
    harga: 193000
  },
  totalprice: 92000
}
```

### 3. POST /payment/checkstandard

#### 1. Request Parameter

|                                     |              |   |      |   |   |                 |   |
|-------------------------------------|--------------|---|------|---|---|-----------------|---|
| <input checked="" type="checkbox"/> | payment_code | [ | Text | ] | = | 6285694994430   | × |
| <input checked="" type="checkbox"/> | user         | [ | Text | ] | = | 1               | × |
| <input checked="" type="checkbox"/> | product_code | [ | Text | ] | = | 3               | × |
| <input checked="" type="checkbox"/> | admin_code   | [ | Text | ] | = | gopay-emoney-mp | × |

#### 2. Expected Result

```
{
  productCode: 3,
  productAdmin: "shopeepay-emoney-mp",
  adminPrice: 2000,
  daprice: {
    idtblproduct: "3",
    nama: "Shopeepay 100K",
    harga: "100300",
    idadmin: "shopeepay-emoney-mp"
  },
  totalprice: 102300
}
```

### 4. POST /payment/sal

#### 1. Request Parameter

|                                     |      |   |      |   |   |   |   |
|-------------------------------------|------|---|------|---|---|---|---|
| <input checked="" type="checkbox"/> | user | [ | Text | ] | = | 1 | × |
|-------------------------------------|------|---|------|---|---|---|---|

#### 2. Expected Result

```
{
  deposit: "9189400"
}
```

## 5. POST /payment/topup

### 1. Request Parameter

▶ BODY ⓘ Form ▾

|                                     |              |              |                |   |
|-------------------------------------|--------------|--------------|----------------|---|
| <input checked="" type="checkbox"/> | payment_code | [ Text ▾ ] = | 6285694994430  | × |
| <input checked="" type="checkbox"/> | user         | [ Text ▾ ] = | 1              | × |
| <input checked="" type="checkbox"/> | product_code | [ Text ▾ ] = | 3              | × |
| <input checked="" type="checkbox"/> | admin_code   | [ Text ▾ ] = | gopay-emony-mp | × |

+ Add form parameter ☒ application/x-www-form-urlencoded ▾ 🗑

### 2. Expected Result

```
{
  status: "success",
  data: {
    idproduct: "3",
    depositAwal: "9189400",
    depositAkhir: 9087100,
    user: 1,
    hargaProduk: "100300",
    biayaAdmin: "2000",
    namaProduk: "Shopeepay 100K 6285694994430"
  },
  sisaSaldo: {
    deposit: "9087100"
  }
}
```

## 6. POST /payment/payment

### 1. Request Parameter

|                                     |              |   |      |   |   |                       |   |
|-------------------------------------|--------------|---|------|---|---|-----------------------|---|
| <input checked="" type="checkbox"/> | payment_code | [ | Text | ] | = | 6285694994430         | × |
| <input checked="" type="checkbox"/> | user         | [ | Text | ] | = | 1                     | × |
| <input checked="" type="checkbox"/> | product_code | [ | Text | ] | = | 3                     | × |
| <input checked="" type="checkbox"/> | admin_code   | [ | Text | ] | = | internet-nontelkom-mp | × |

### 2. Expected Result

```
{
  status: "success",
  data: {
    idproduct: null,
    depositAwal: "9087100",
    depositAkhir: 8784600,
    user: 1,
    hargaProduk: 300000,
    biayaAdmin: "2500",
    namaProduk: "Ibnu Abdul Muttaqien 6285694994430",
    rand: 16778
  },
  sisaSaldo: {
    deposit: "8784600"
  }
}
```



