

Project RESTful API

Setup dan Konfigurasi

Database

- Buatlah sebuah database baru
- Restore file project.sql ke dalam database yang baru saja dibuat
- Buka file config/app.go, ubah masing-masing konstanta `DbUser`, `DbPassword` dan `DbName` ke username, password dan nama database

Server File Upload Directory

- Secara default, file akan diupload ke folder "uploads". Buka file config/app.go dan ubah konstanta `UploadDir` ke folder yang diinginkan

Instruksi Penggunaan

- Gunakan tool Postman untuk melakukan review
- Postman collection tersedia di dalam source code repository. Gunakan menu File | Import dan memilih file 20241108Project.postman_collection.json

API Endpoints

1. Kategori Barang

1. GET /api/categories

Contoh response :

```
{
  "success": true,
  "status_code": 200,
  "data": [
    {
      "id": 1,
      "name": "Peralatan Kantor",
      "description": "Kategori untuk peralatan kantor"
    },
    {
      "id": 3,
      "name": "Peralatan Elektronik",
      "description": "Peralatan elektronik kantor"
    }
  ]
}
```

2.

2. Laporan Investasi dan Depresiasi

1. GET /api/items/investment

Contoh response :

```
{
  "success": true,
  "data": {
    "total_investment": "7990000.00",
    "depreciated_value": "5762500.09"
  }
}
```

2. GET /api/items/investment/1

Contoh response :

```
{
  "success": true,
  "data": {
    "item_id": 1,
    "name": "Item 001",
    "initial_price": "120000.00",
    "depreciated_value": "63772.92",
    "depreciation_rate": "10"
  }
}
```

3. Manajemen Barang

1. GET /api/items?search=01&page=1&limit=3

Contoh response :

```
{
  "success": true,
  "page": 1,
  "limit": 3,
  "total_items": 11,
  "total_pages": 4,
  "data": [
    {
      "id": 10,
      "name": "Item 010",
      "category": "Peralatan Elektronik",
      "photo_url": "/images/ten.jpg",
      "price": "JDEyMCwwMDAuMDA=",
    }
  ]
}
```

```
        "purchase_date": "2024-10-04T00:00:00Z",
        "total_usage_days": 0
    },
    {
        "id": 11,
        "name": "Item 011",
        "category": "Peralatan Kantor",
        "photo_url": "/images/eleven.jpg",
        "price": "JDI0MCwwMDAuMDA=",
        "purchase_date": "2024-09-19T00:00:00Z",
        "total_usage_days": 0
    },
    {
        "id": 12,
        "name": "Item 012",
        "category": "Peralatan Elektronik",
        "photo_url": "/images/twelve.jpg",
        "price": "JDE1NSwwMDAuMDA=",
        "purchase_date": "2024-07-07T00:00:00Z",
        "total_usage_days": 0
    }
]
}
```

2.