REST API DOCUMENTATION & USER GUIDE UAS PEMROGRAMAN WEB



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1. Pendahuluan

Moon Studio adalah sistem booking studio foto berbasis web yang menyediakan fitur pemesanan studio, pengaturan jadwal, pembayaran, serta manajemen konten website. Sistem ini dibangun menggunakan Laravel 12 dan Filament 3.

Dokumen ini berisi dua bagian utama:

- 1. Dokumentasi REST API menggunakan Swagger.
- 2. Panduan Pengguna untuk Admin dan Client.

2. Autentikasi API

Semua endpoint API yang sensitif dilindungi oleh API Key dan token CSRF.

Untuk mengakses endpoint, gunakan header sebagai berikut:

X-API-KEY: anraaa

X-CSRF-TOKEN: {token}

Accept: application/json

3. Endpoint API Utama

Moon Studio menyediakan RESTful API untuk mengelola data studio dan booking. Semua endpoint berada di bawah prefix /api dan dilindungi oleh middleware apikey.

Endpoint Studio

Method	URL	Deskripsi
GET	/api/studios	Menampilkan daftar semua studio
POST	/api/studios	Menambahkan studio baru (admin)
GET	/api/studios/{id}	Menampilkan detail studio berdasarkan ID
PUT	/api/studios/{id}	Memperbarui data studio
DELETE	/api/studios/{id}	Menghapus studio
POST	/api/studios/decrypt	Mendekripsi data terenkripsi dari client (opsional
		untuk validasi payload)

Endpoint Booking

Method	URL	Deskripsi
GET	/api/bookings	Menampilkan daftar semua booking (admin)
POST	/api/bookings	Membuat booking baru
GET	/api/bookings/{id}	Menampilkan detail booking berdasarkan ID
PUT	/api/bookings/{id}	Memperbarui data booking
DELETE	/api/bookings/{id}	Menghapus booking
POST	/api/bookings/decrypt	Mendekripsi data terenkripsi dari client
		(opsional untuk validasi payload)

```
use Illuminate\Support\Facades\Route;
use App\Http\Controllers\Api\BookingController;
use App\Http\Controllers\Api\StudioController;

Route::middleware('apikey')->group(function () {
    Route::get('/bookings', [BookingController::class, 'index']);
    Route::get('/bookings', [BookingController::class, 'store']);
    Route::get('/bookings/{id}', [BookingController::class, 'show']);
    Route::put('/bookings/{id}', [BookingController::class, 'update']);
    Route::delete('/bookings/{id}', [BookingController::class, 'destroy']);
    Route::post('/bookings/decrypt', [BookingController::class, 'decryptResponse']);
});

Route::middleware('apikey')->group(function () {
    Route::get('/studios', [studioController::class, 'index']);
    Route::post('/studios/{id}', [studioController::class, 'show']);
    Route::put('/studios/{id}', [studioController::class, 'update']);
    Route::post('/studios/{id}', [studioController::class, 'update']);
    Route::post('/studios/{id}', [studioController::class, 'destroy']);
    Route::post('/studios/decrypt', [studioController::class, 'decryptResponse']); // decrypt endpoint
});
```

4. Contoh Penggunaan API

Contoh CURL request:

```
Curl -X 'POST' \
    'https://uas.test/api/studios/decrypt' \
    -H 'https://uas.test/api/studios/decrypt' \
    -H 'accept: application/json' \
    -H 'X-API/-KEY: ann-aaa' \
    -H 'Content-Type: application/json' \
    -H 'X-CSRF-TOKEN: bl]s4j6lqT@qX4eSBixvqvdNCdUH9oqo9r4CdSTU' \
    -d '{
        "data": "eyJpdiI6IkhVc1NNTzdsNGpESk9@WFlraGVCRVE9PSIsInZhbHVlIjoiamJNaDRUdVdOeitQSVZvMWF2S@JzWEpLVDZPS3Z1Mko1UkI@aEcwcUUwbGlaazBYUCt
}'

Request URL

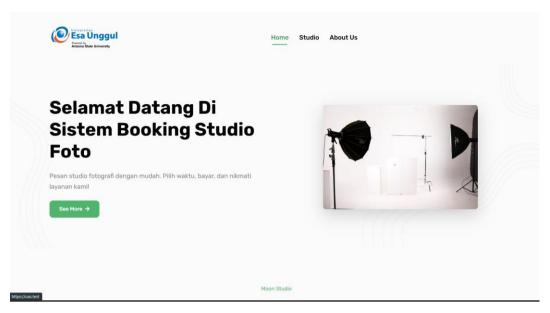
https://uas.test/api/studios/decrypt
```

Contoh Response JSON

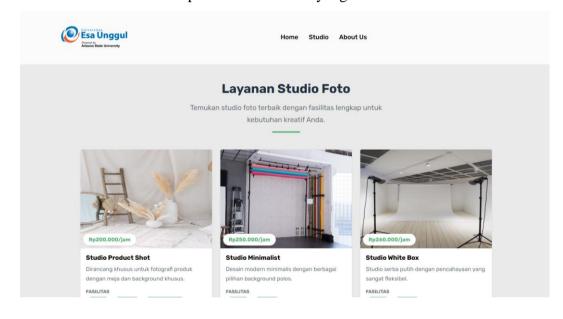
5. Panduan Pengguna

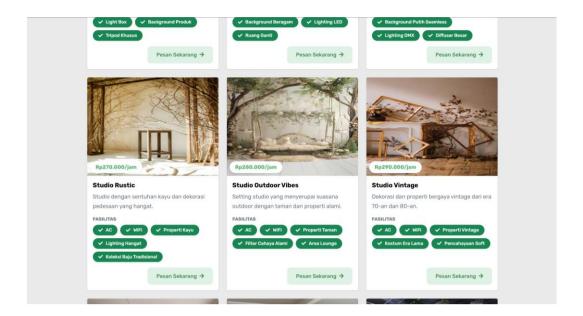
5.1 Registrasi dan Login

Langkah-langkah membuat akun dan login.

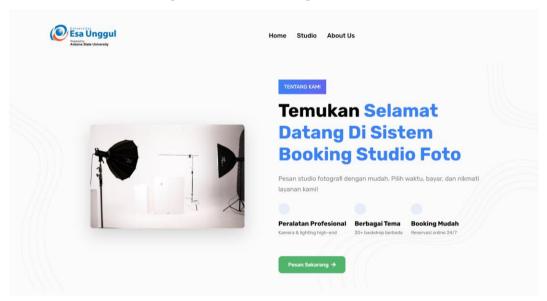


Pilih Studio untuk menampilkan daftar studio yang tersedia

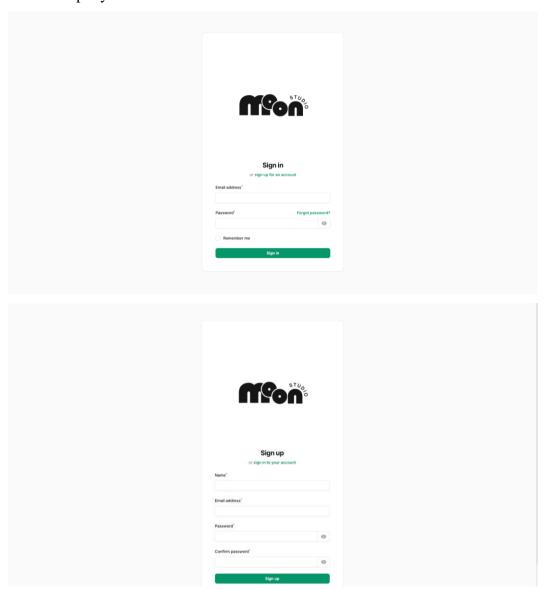




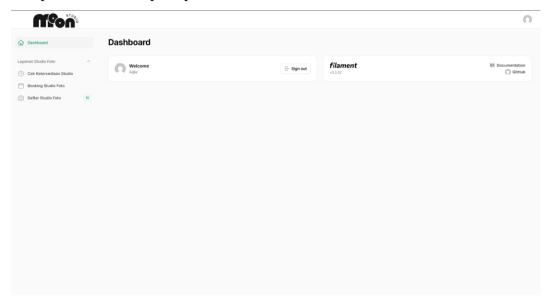
Pilih about us untuk mengetahui informasi singkat Moon Studio



Klik Pesan Sekarang maka akan diarahkan ke login page client, pilih sign up jika tidak mempunyai akun.

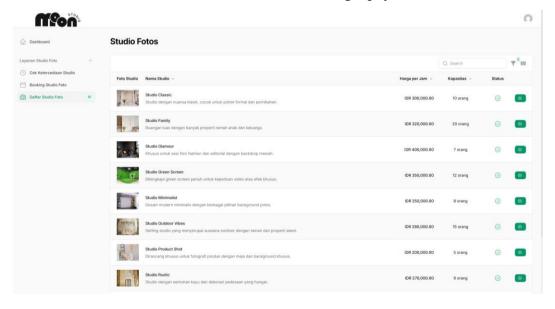


Tampilan Dashboard pada panel client

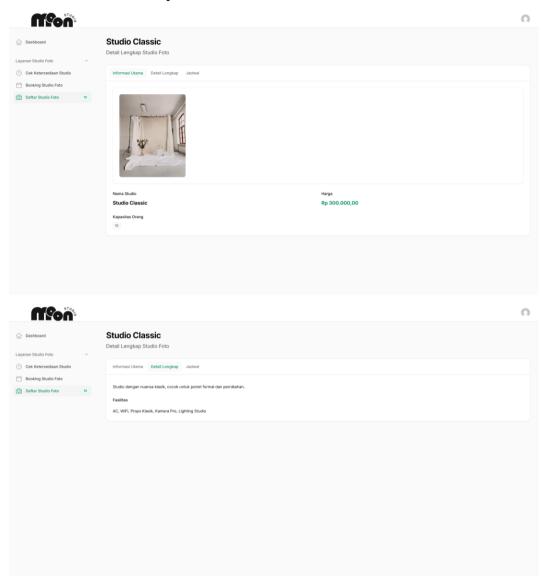


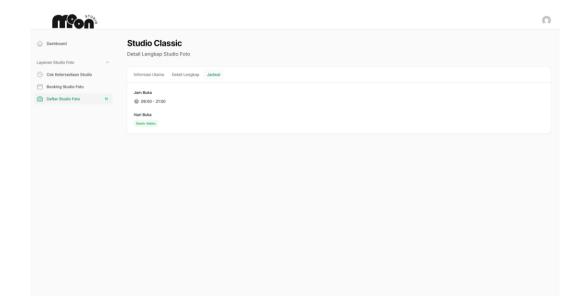
5.2 Melihat Studio

Daftar Studio Foto, klik ikon mata untuk baca selengkapnya



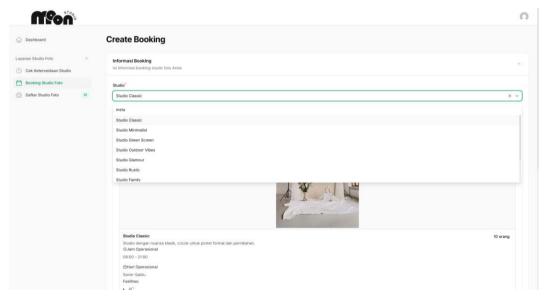
Berikut informasi detail pada salah satu studio

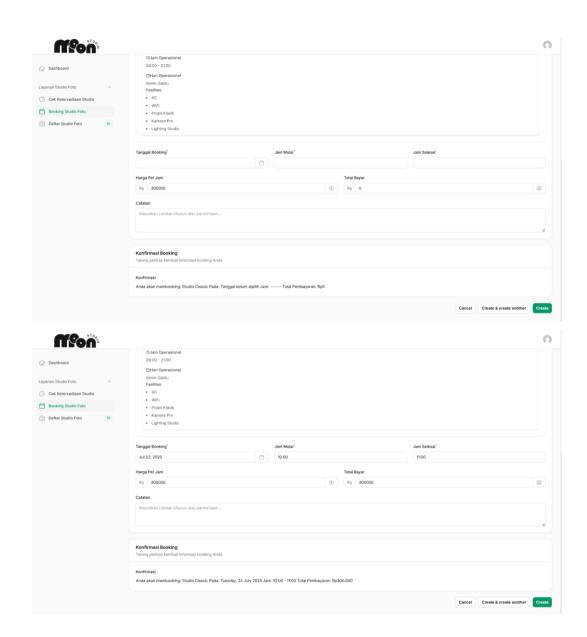


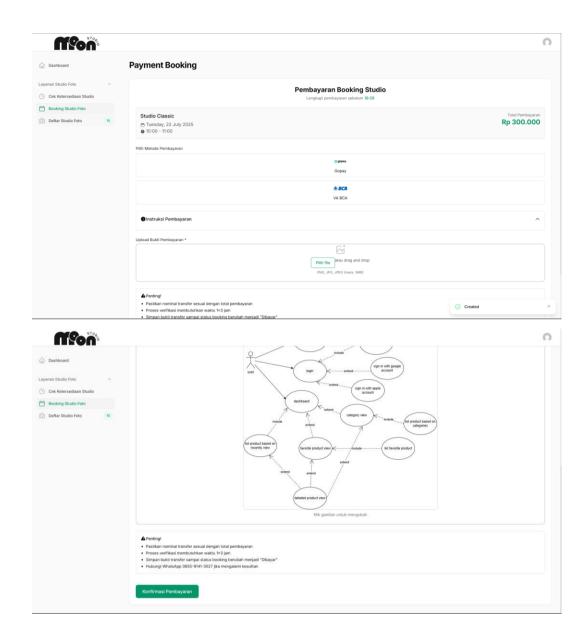


5.3 Melakukan Booking

Cara memilih tanggal, studio, jam, dan upload bukti pembayaran.

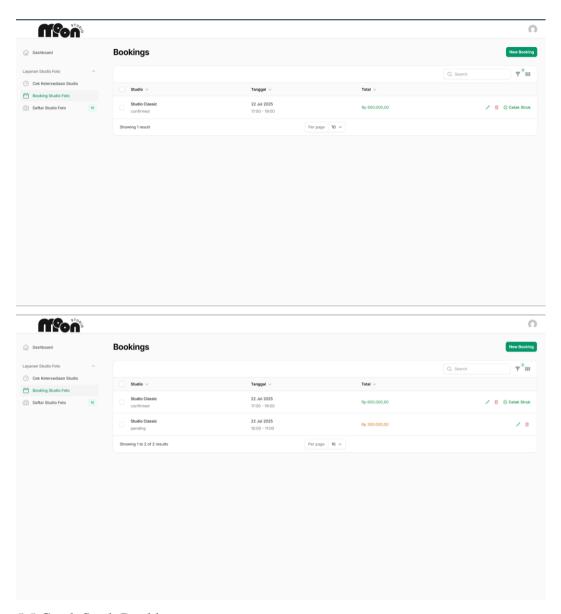






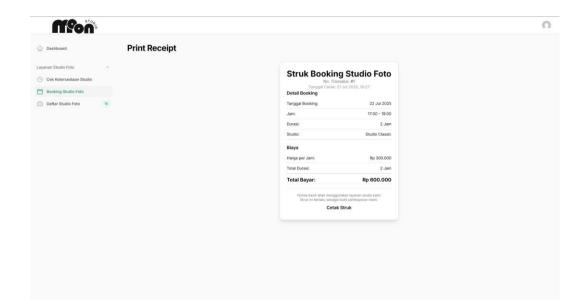
5.4 Melihat Riwayat Booking

Menampilkan semua riwayat booking pengguna.



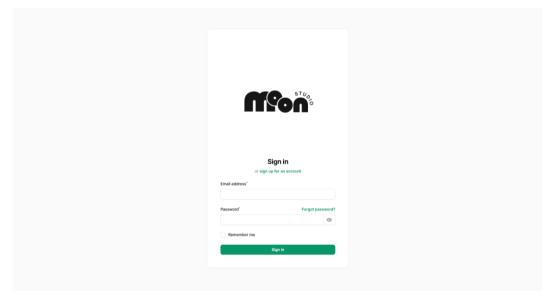
5.5 Cetak Struk Booking

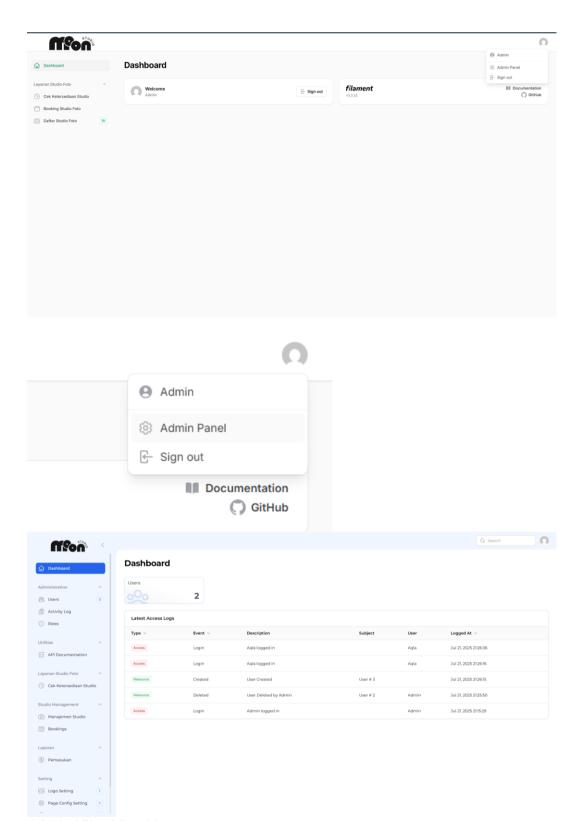
Langkah untuk download/cetak struk booking.



4. Panduan Admin

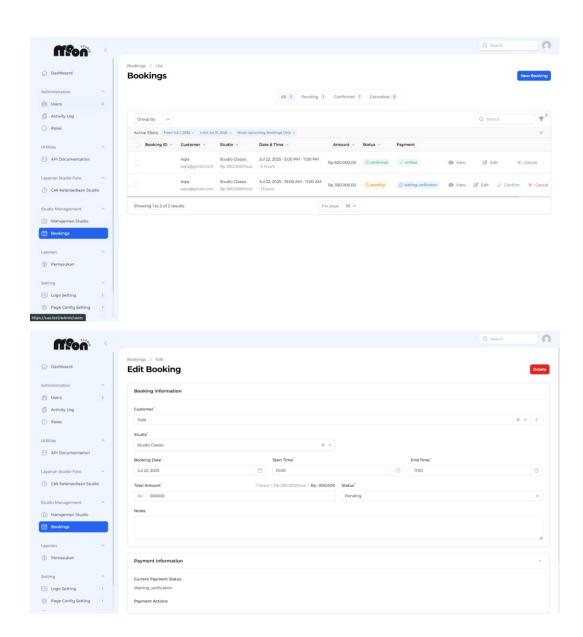
4.1 Login Admin

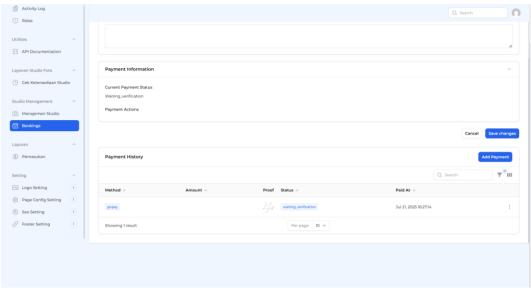


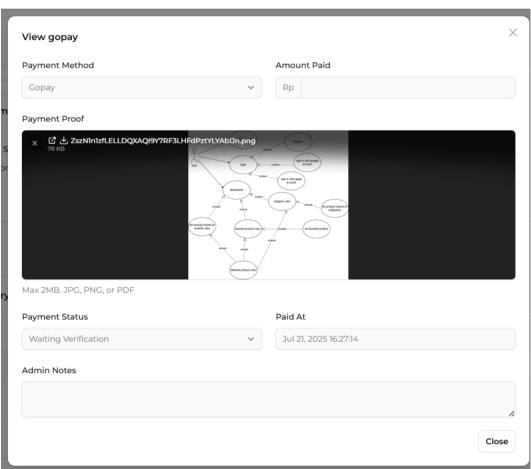


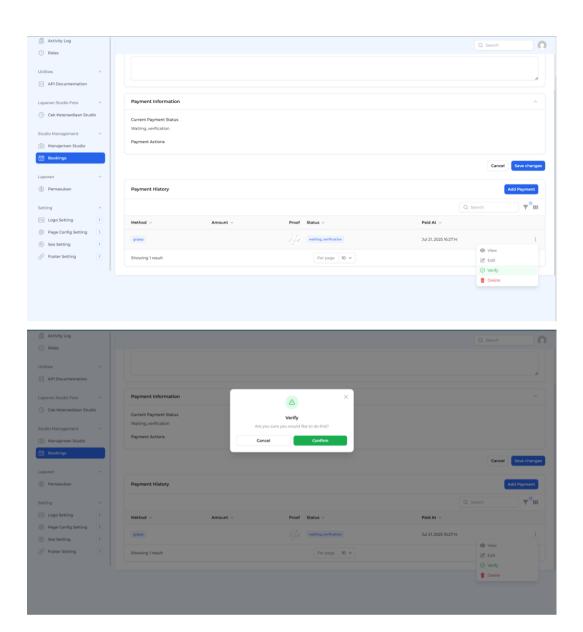
4.2 Verifikasi Booking

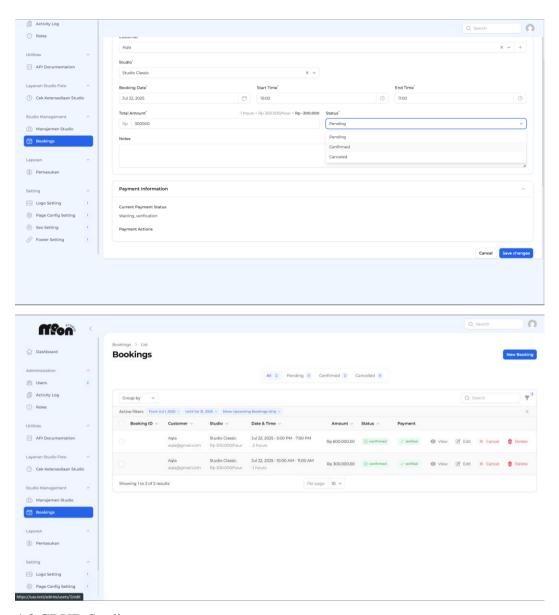
Langkah untuk memverifikasi bukti pembayaran user.





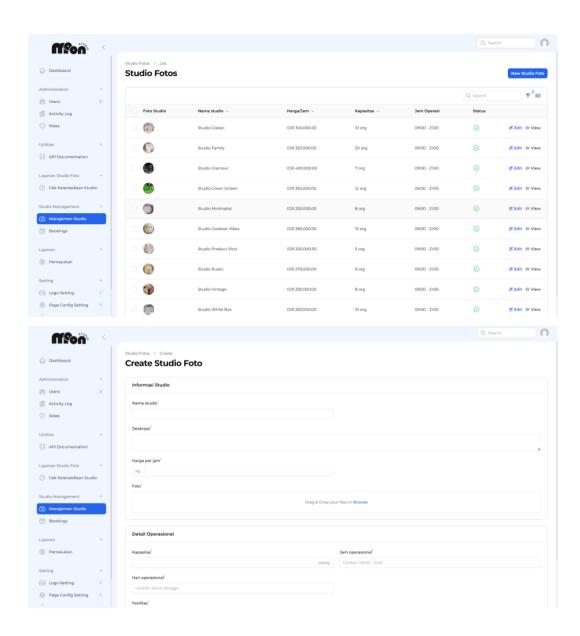


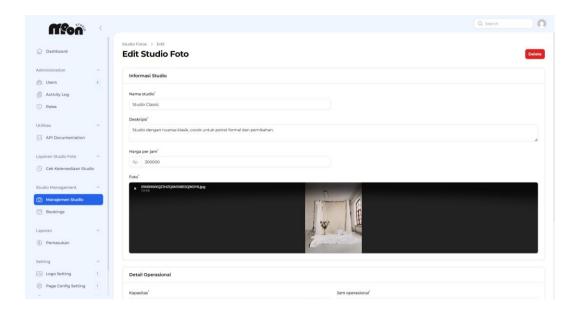




4.3 CRUD Studio

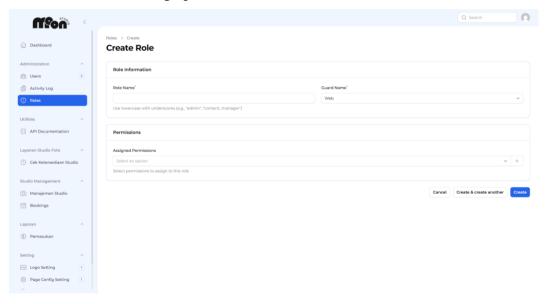
Menambah, mengedit, dan menghapus data studio.

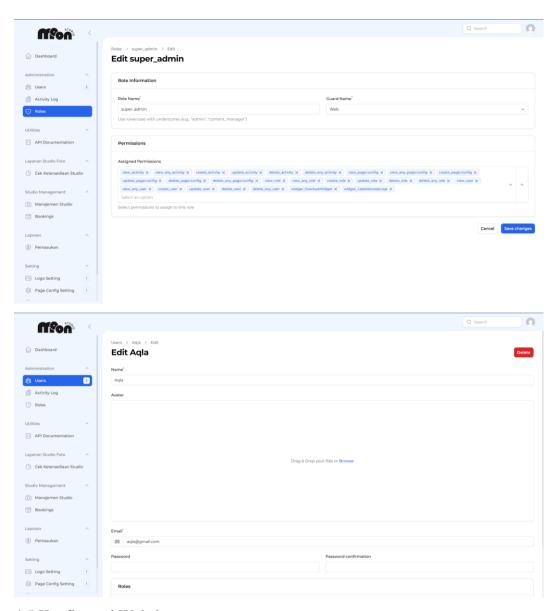




4.4 Kelola User dan Role

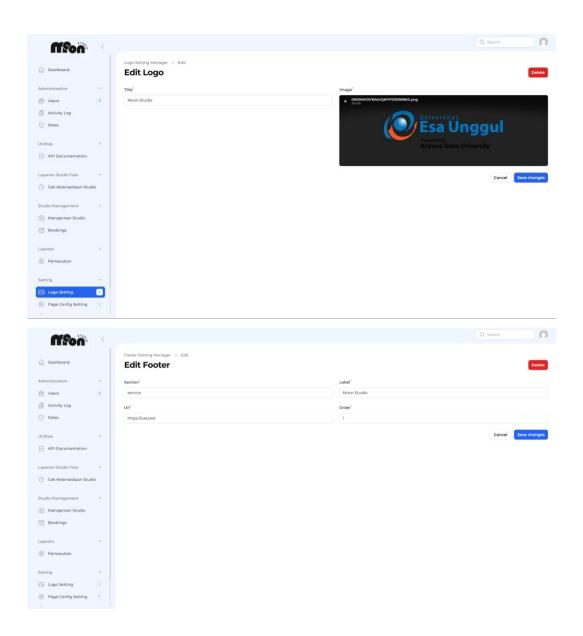
Membuat role baru, assign permission, dan edit user.

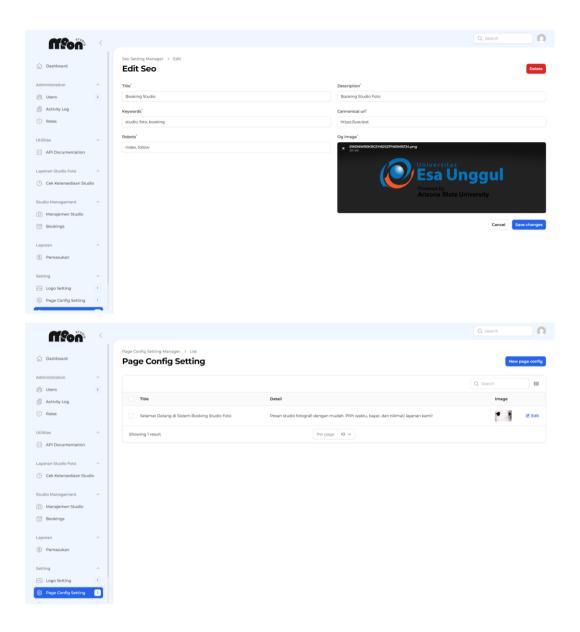




4.5 Konfigurasi Website

Update logo, footer, SEO, informasi halaman utama.





4.6 Laporan Pemasukan

Mengupdate total pemasukan yang dilakukan user untuk booking studio dengan status pembayaran verified dan confirmed

