PROJECT ANDROID SEDERHANA MEME
APLIKASI MONITORING KINERJA BERB
GPS

PROJECT ANDROID SEDERHANA MEMBUAT APLIKASI MONITORING KINERJA BERBASIS GPS

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Kreatif
Industri
Nusantara

Kreatif Industri Nusantara

'Jika Kamu tidak dapat menahan lelahnya belajar, Maka kamu harus sanggup menahan perihnya Kebodohan.'
Imam Syafi'i

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CONTENTS IN BRIEF

DAFTAR ISI

DAFTAR GAMBAR

DAFTAR TABEL

Listings

FOREWORD

Terima kasih atas semua masukan dari berbagai sumber agar bisa membuat buku ini lebih baik dan lebih mudah dimengerti.

KATA PENGANTAR

Buku ini diciptakan bagi yang ingin membuat project android dengan mudah.

PENULIS

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ACRONYMS

ACGIH   American Conference of Governmental Industrial Hygienists

AEC   Atomic Energy Commission

OSHA   Occupational Health and Safety Commission

SAMA   Scientific Apparatus Makers Association

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xxxi

GLOSSARY

git	Merupakan manajemen sumber kode yang dibuat oleh linus torvald.
bash	Merupakan bahasa sistem operasi berbasiskan *NIX.
linux	Sistem operasi berbasis sumber kode terbuka yang dibuat oleh Linus Torvald

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xxxiii

SYMBOLS

A Amplitude

&   Propositional logic symbol

a Filter Coefficient

$\mathcal{B}$ Number of Beats

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xxxv

INTRODUCTION

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Pada era disruptif saat ini. git merupakan sebuah kebutuhan dalam sebuah organisasi pengembangan perangkat lunak. Buku ini diharapkan bisa menjadi penghantar para programmer, analis, IT Operation dan Project Manajer. Dalam melakukan implementasi git pada diri dan organisasinya.

Rumusnya cuman sebagai contoh aja biar keren[1].

$$ABC\mathcal{DEF}\alpha\beta\Gamma\Delta\sum_{def}^{abc} \tag{I.1}$$

BAB 1

GPS

1.1 GPS (Global Positioning System)

GPS atau Global Positioning System, merupakan sebuah alat atau sistem yang dapat digunakan untuk menginformasikan penggunanya berada (secara global) di permukaan bumi yang berbasiskan satelit. Data dikirim dari satelit berupa sinyal radio dengan data digital. Dimanapun posisi saat ini, maka GPS bisa membantu menunjukan arah, selama masih terlihat langit. Layanan GPS ini tersedia gratis, bahkan tidak perlu mengeluarkan biaya apapun kecuali membeli GPS recierver-rya. Awalnya GPS hanya digunakan hanya untuk kepentingan militer, tapi pada tahun 1980-an dapat digunakan untuk kepentingan sipil. GPS dapat digunakan dimanapun juga dalam 24 jam. Posisi unit GPS akan ditentukan berdasarkan titik-titik koordinat derajat lintang dan bujur.

1.1.1 Pengertian GPS

Menurut (Winardi, 2006) adalah sistem untuk menentukan letak di permukaan bumi dengan bantuan penyelarasan (synchronization) sinyal satelit. Sistem ini menggunakan 24 satelit yang mengirimkan sinyal gelombang mikro ke Bumi. Sinyal ini

diterima oleh alat penerima di permukaan, dan digunakan untuk menentukan letak, kecepatan, arah, dan waktu. Sistem yang serupa dengan GPS antara lain GLONASS Rusia, Galileo Uni Eropa, IRNSS India. Sistem GPS, yang nama aslinya adalah NAVSTAR GPS (Navigation Satellite Timing and Ranging Global Positioning System), mempunyai tiga segmen yaitu : satelit, pengontrol, dan penerima / pengguna. Satelit GPS yang mengorbit bumi, dengan orbit dan kedudukan yang tetap (koordinatnya pasti), seluruhnya berjumlah 24 buah dimana 21 buah aktip bekerja dan 3 buah sisanya adalah cadangan. Untuk dapat mengetahui posisi seseorang maka diperlukan alat yang diberinama GPS reciever yang berfungsi untuk menerima sinyal yang dikirim dari satelit GPS. Posisi di ubah menjadi titik yang dikenal dengan nama Way-point nantinya akan berupa titik-titik koordinat lintang dan bujur dari posisi seseorang atau suatu lokasi kemudian di layar pada peta elektronik. Sejak tahun 1980, layanan GPS yang dulunya hanya untuk leperluan militer mulai terbuka untuk publik. Uniknya, walau satelit-satelit tersebut berharga ratusan juta dolar, namun setiap orang dapat menggunakannya dengan gratis. (Andy, 2009). Satelit-satelit ini mengorbit pada ketingian sekitar 12.000 mil dari permukaan bumi. Posisi ini sangat ideal karena satelit dapat menjangkau area coverage yang lebih luas. Satelit-satelit ini akan selalu berada posisi yang bisa menjangkau semua area di atas permukaan bumi sehingga dapat meminimalkan terjadinya blank spot (area yang tidak terjangkau oleh satelit). Setiap satelit mampu mengelilingi bumi hanya dalam waktu 12 jam. Sangat cepat, sehingga mereka selalu bisa menjangkau dimana pun posisi seseorang di atas permukaan bumi. GPS reciever sendiri berisi beberapa integrated circuit (IC) sehingga murah dan teknologinya mudah untuk di gunakan oleh semua orang. GPS dapat digunakan utnuk berbagai kepentingan, misalnya mobil, kapal, pesawat terbang, pertanian dan di integrasikan dengan komputer maupun laptop. Berikut beberapa contoh perangkat GPS reciever: Sejarah GPS GPS dikembangkan pertama kali sebagai NAVSTAR Global Positioning System (GPS) juga dikenal sebagai NAVigation System with Timing And Ranging GPS. Sistem ini merupakan sistem penentuan posisi berbasis satelit, dan sekaligus merupakan tonggak revolusi bidang pengukuran posisi dan navigasi. Sistem GPS pada awalnya merupakan system navigasi ketentaraan yang dirancang, dilaksanakan, dibiayai, dan dikelola oleh Jabatan Pertahanan Amerika Serikat (DoD). Sistem ini dirancang oleh Jabatan Amerika Serikat sejak tahun 1973. Sistem ini adalah hasil gabungan program U.S. Navy TIMATION dan proyek U.S. Air Force 621B di bawah tanggung jawab Joint Program Office (JPO).Satelit GPS yang pertama telah diluncurkan pada tahun 1978. Pada awalnya, penggunaan sistem ini ditujukan bagi pihak tentara Amerika Serikat saja tetapi setelah diluluskan pada Kongres Amerika Serikat, penggunaan sistem penentuan posisi ini terbuka untuk umum. Tujuan utama GPS adalah untuk mewujudkan sistem penentuan posisi di darat, laut, dan udara bagi pihak tentara Amerika Serikat dan sekutunya, namun kemudian sistem ini bebas digunakan oleh semua pengguna. Sistem ini dirancang untuk menggantikan berbagai sistem navigasi yang telah digunakan.

1.1.2 Pengenalan GPS

GPS atau Global Positioning System adalah suatu sistem navigasi satelit yang terdiri dari 24 satelit beroperasi dan 3 satelit cadangan. Ke-24 satelit itu mengorbit bumi pada jarak 20.200 km dan waktu orbit 12 jam, sambil memancarkan sinyal berita gelombang radio. Departemen Pertahanan AS yang mengoperasikan sistem GPS telah mengatur konfigurasi satelit sedemikian rupa, sehingga semua tempat di bumi dapat menerima sinyal dari 4 sampai 10 satelit. Sebagai penunjuk waktu, masing-masing satelit dibekali dengan 4 buah jam atom yang dapat mengukur waktu dengan ketelitian sepermilyar detik. Teknologi GPS sanggup menentukan lokasi manapun di muka bumi dengan ketelitian kurang lebih 1 meter

1.1.3 Sistem Satelit GPS

Untuk menginformasikan posisi user, 24 satelit GPS yang ada di orbit sekitar 12,000 mil di atas kita. Bergerak konstan bergerak mengelilingi bumi 12 jam dengan kecepatan 7,000 mil per jam. Satelit GPS berkekuatan energi sinar matahari, mempunyai baterai cadangan untuk menjaga agar tetap berjalan pada saat gerhana matahari atau pada saat tidak ada energi matahari. Roket penguat kecil pada masing-masing satelit agar dapat mengorbit tepat pada tempatnya. Satelit GPS adalah milik Departemen Pertahanan (Department of Defense) Amerika, adapun hal-hal lainnya mengenai GPS ini:

1. Nama satelit adalah NAVSTAR

2. GPS satelit pertama kali adalah tahun 1978

3. Mulai ada 24 satelit dari tahun 1994

4. Satelit di ganti tiap 10 tahun sekali

5. GPS satelit beratnya kira-kira 2,000 pounds

6. Kekuatan transmiter hanya 50 watts atau kurang

Satelit-satelit GPS harus selalu berada pada posisi orbit yang tepat untuk menjaga akurasi data yang dikirim ke GPS reciever, sehingga harus selalu dipelihara agar posisinya tepat. Stasiun-stasiun pengendali di bumi ada di Hawaii, Ascension Islan, Diego Garcia, Kwajalein dan Colorado Spring. Stasiun bumi tersebut selalu memonitor posisi orbit jam jam satelit dan di pastikan selalu tepat.

1.1.4 Signal Satelit GPS

1.1.5 Carrier

Satelite GPS mengirim sinyal dalam dua frekuensi. L1 dengan 1575.42 Mhz dengan membawa dua status pesan dan pseudo-random code untuk keperluan perhitungan

wakt. L2 membawa 1227.60 MHz dengan menggunakaan presesi yang lebih akurat karena untuk keperluan militer. Daya sinyal radio yang dipancarkan hanya berkisar antara 20-50 Watts. Ini tergolong sangat rendah mengingat jarak antara GPS dan satelit sampai 12.000 mil. Sinyal dipancarkan secara line of sight (LOS), dapat melewati awan, kaca tapi tidak dapat benda padat seperti gedung, gunung

1.1.6 Pseudo-Random Codes

GPS yang digunakan untuk publik akan memantau frekuensi L1 pada UHF (Ultra-High Frequency) 1575,42 MHz. Sinyal L1 yang dikirimkan akan memiliki pola-pola kode digital tertentu yang disebut sebagai pseudorandom. Sinyal yang dikirimkan terdiri dari dua bagian yaitu kode Protected(P) dan Coarse/Acquisition(C/A). Kode yang dikirim juga unik antar satelit, sehingga memungkinkan setiap receiver untuk membedakan sinyal yang dikirim oleh satu satelit dengan satelit lainnya. Beberapa kode Protected (P) juga ada yang diacak, agar tidak dapat diterima oleh GPS biasa. Sinyal yang diacak ini dikenal dengan istilah Anti Spoofing, yang biasanya digunakan oleh GPS khusus untuk keperluan tertentu seperti militer

1.1.7 Navigation Message

Ada sinyal frekuensi berkekuatan lemah yang di tambahkan pada kode L1 yang memberikan informasi tentang orbit satelit, clock corectionnya dan status sistem lainnya.

1.1.8 Cara Kerja GPS

Setiap daerah di atas permukaan bumi ini minimal terjangkau oleh 3-4 satelit.Pada prakteknya, setiap GPS terbaru bisa menerima sampai dengan 12 chanel satelit sekaligus. Kondisi langit yang cerah dan bebas dari halangan membuat GPS dapat dengan mudah menangkap sinyal yang dikirimkan oleh satelit. Semakin banyak satelit yang diterima oleh GPS, maka akurasi yang diberikan juga akan semakin tinggi. Cara kerja GPS secara logik ada 5 langkah:

1. Memakai perhitungan triangulation dari satelit.

2. Untuk perhitungan triangulation, GPS mengukur jarak menggunakan travel time sinyal radio.

3. Untuk mengukur travel time, GPS memerlukan memerlukan akurasi waktu yang tinggi.

4. Untuk perhitungan jarak, kita harus tahu dengan pasti posisi satelit dan ketingian pada orbitnya.

5. Terakhir harus menggoreksi delay sinyal waktu perjalanan di atmosfer sampai diterima receiver.

Satelit GPS berputar mengelilingi bumi selama 12 jam di dalam orbit yang akurat dia dan mengirimkan sinyal informasi ke bumi. GPS reciever mengambl informasi itu dan dengan menggunakan perhitungan triangulation menghitung lokasi user dengan tepat. GPS reciever membandingkan waktu sinyal di kiirim dengan waktu sinyal tersebut di terima. Dari informasi itu didapat diketahui berapa jarak satelit. Dengan perhitungan jarak jarakGPS reciever dapat melakukan perhitungan dan menentukan posisi user dan menampilkan dalam peta elektronik.

Sebuah GPS reciever harus mengunci sinyal minimal tiga satelit untuk memenghitung posisi 2D (latitude dan longitude) dan track pergerakan. Jika GPS receiver dapat menerima empat atau lebih satelit, maka dapat menghitung posisi 3D (latitude, longitude dan altitude). Jika sudah dapat menentukan posisi user, selanjutnya GPS dapat menghitung informasi lain, seperti kecepatan, arah yang dituju, jalur, tujuan perjalanan, jarak tujuan, matahari terbit dan matahari terbenam dan masih banyak lagi. Satelit GPS dalam mengirim informasi waktu sangat presesi karena Satelit tersebut memakai jam atom. Jam atom yang ada pada satelit jalam dengan partikel atom yang di isolasi, sehingga dapat menghasilkan jam yang akurat dibandingkan dengan jam biasa. Perhitungan waktu yang akurat sangat menentukan akurasi perhitungan untuk menentukan informasi lokasi kita. Selain itu semakin banyak sinyal satelit yang dapat diterima maka akan semakin presesi data yang diterima karena ketiga satelit mengirim pseudo-random code dan waktu yang sama.

Ketinggian itu menimbulkan keuntungan dalam mendukung proses kerja GPS, bagi kita karena semakin tinggi maka semakin bersih atmosfer, sehingga gangguan semakin sedikit dan orbit yang cocok dan perhitungan matematika yang cocok. Satelit harus teptap pada posisi yang tepat sehingga stasiun di bumi harus terus memonitor setiap pergerakan satelit, dengan bantuan radar yang presesi salalu di cek tentang altitude, posision dan kecepatannya.

1.1.9   Sistem koordinat pada GPS

Pengenalan tentang sistem koordinat sangat penting agar dapat menggunakan GPS secara optimum. Setidaknya ada dua klasifikasi tentang sistem koordinat yang dipakai oleh GPS maupun dalam pemetaan yaitu : sistem koordinat global yang biasa disebut sebagai koordinat geografi dan sistem koordinat di dalam bidang proyeksi. Koordinat geografi diukur dalam lintang dan bujur dalam besaran derajad desimal, derajad menit desimal, atau derajad menit detik Lintangdiukur terhadap equator sebagai titik nol ($0°$sampai $90°$positif kearah utara dan $0°$sampai $90°$negatif kearah selatan). Bujur diukur berdasarkan titik nol di Greenwich $0°$sampai $180°$kearah timur dan $0°$sampai $180°$kearah barat. Koordinat di dalam bidang proyeksi merupakan koordinat yang dipakai pada sistem proyeksi tertentu. Umumnya berkait erat dengan sistem proyeksinya, walaupun adakalanya (karena itu memungkinkan) digunakan koordinat geografi dalam bidang proyeksi. Beberapa sistem proyeksi yang lazim digunakan di Indonesia di antaranya adalah : proyeksi Merkator, Transverse Merkator, Universal Tranverse Merkator (UTM), Kerucut Konformal. Masing-masing sistem tersebut ada kelebihan dan kekurangan, dan pemilihan proyeksi umumnya didasarkan pada tujuan peta yang akan dibuat. Dari beberapa sistem proyeksi terse-

but, proyeksi Tranverse Merkator dan proyeksi Universal Tranverse Merkator-lah yang banyak dipakai di Indonesia. Peta-peta produksi Dinas Hidro Oseanografi (Dishidros) umumnya menggunakan proyeksi Tranverse Merkator dengan sistem koordinat Geografi atau UTM atau gabungan keduanya. Sedangkan peta-peta produksi Bakosurtanal umumnya menggunakan proyeksi UTM dengan sistem koordinat UTM atau Geografi atau gabungan keduanya.

Sistem koordinat dalam bidang proyeksi tidak dapat terlepas daridatumyang digunakan. Ada dua macamdatum yang umum digunakan dalam perpetaan yaitudatumhorisontal dandatumvertikal. Datum horisontal dipakai untuk menentukan koordinat peta (X,Y), sedangkan datum vertikal untuk menentukan elevasi (peta topografi) ataupun kedalaman (peta batimetri). Perhitungan dilakukan dengan transformasi matematis tertentu. Dengan demikian transformasi antar datum, antar sistem proyeksi, dan antar sistem koordinat dapat dilakukan. Untuk datum horisontal, peta umumnya menggunakan datum Padang (ID-74) untuk peta-peta Bakosurtanal, dan menggunakan datum Jakarta (Batavia) untuk peta-peta Dishidros

1.1.10   Cara sinyal dapat menentukan lokasi

Sinyal yang dikirimkan oleh satelit ke GPS akan digunakan untuk menghitung waktu perjalanan (travel time). Waktu perjalanan ini sering juga disebut sebagai Time of Arrival (TOA). Sesuai dengan prinsip fisika, bahwa untuk mengukur jarak dapat diperoleh dari waktu dikalikan dengan cepat rambat sinyal.

Maka, jarak antara satelit dengan GPS juga dapat diperoleh dari prinsip fisika tersebut. Setiap sinyal yang dikirimkan oleh satelit akan juga berisi informasi yang sangat detail, seperti orbit satelit, waktu, dan hambatan di atmosfir. Satelit menggunakan jam atom yang merupakan satuan waktu paling presisi.

Untuk dapat menentukan posisi dari sebuah GPS secara dua dimensi (jarak), dibutuhkan minimal tiga buah satelit. Empat buah satelit akan dibutuhkan agar didapatkan lokasi ketinggian (secara tiga dimensi). Setiap satelit akan memancarkan sinyal yang akan diterima oleh GPS receiver. Sinyal ini akan dibutuhkan untuk menghitung jarak dari masingmasing satelit ke GPS. Dari jarak tersebut, akan diperoleh jari-jari lingkaran jangkauan setiap satelit. Lewat perhitungan matematika yang cukup rumit, interseksi (perpotongan) setiap 21lingkaran jangkauan satelit tadi akan dapat digunakan untuk menentukan lokasi dari GPS di permukaan bumi.

1.1.11   Penentuan Posisi dengan GPS

Pada dasarnya penentuan posisi dengan GPS adalah pengukuran jarak secara bersamasama ke beberapa satelit (yang koordinatnya telah diketahui) sekaligus. Untuk menentukan koordinat suatu titik di bumi,receiver setidaknya membutuhkan 4 satelit yang dapat ditangkap sinyalnya dengan baik. Secaradefault posisi atau koordinat yang diperoleh bereferensi keglobal datum yaitu World Geodetic System 1984 atau disingkat WGS'84.

Secara garis besar penentuan posisi dengan GPS ini dibagi menjadi dua metode yaitumetode absolut dan metode relatif.

1. Metode absolut atau juga dikenal sebagaipoint positioning, menentukan posisi hanya berdasarkan pada 1 pesawat penerima (receiver) saja. Ketelitian posisi dalam beberapa meter (tidak berketelitian tinggi) dan umumnya hanya diperuntukkan bagi keperluan navigasi.

2. Metode relatif atau sering disebutdifferentialpositioning, menetukan posisi dengan menggunakan lebih dari sebuah receiver. Satu GPS dipasang pada lokasi tertentu dimuka bumi dan secara terus menerus menerima sinyal dari satelit dalam jangka waktu tertentu dijadikan sebagai referensi bagi yang lainnya. Metode ini menghasilkan posisi berketelitian tinggi (umumnya kurang dari 1 meter) dan diaplikasikan untuk keperluan survei geodesi ataupun pemetaan yang memerlukan ketelitian tinggi.

Untuk keperluan survei di wilayah terumbu karang, metode absolut yang menggunakan single receiver tipe navigasi rasanya sudah cukup memadahi. Akan tetapi bila ingin mempelajari tentang pergeseran terumbu dari waktu ke waktu misalnya, diperlukan metode relatif dengan menggunakan receiver tipe geodetic. Perbincangan selanjutnya akan lebih ke penentuan posisi dengan GPS receivertipe navigasi.

Beberapa kesalahan dalam penentuan posisi dengan metode absolut ini antara lain disebabkan oleh : efekmultipath,efekselective availability (SA),maupun kesalahan karena ketidaksinkronan antarapeta kerja dansettingyang dilakukan saat menggunakan GPS.

1. Multipath adalah fenomena dimana sinyal dari satelit tiba di anttenna receivermelalui dua atau lebih lintasan yang berbeda. Hal ini biasa terjadi jikalau kita melakukan pengukuran posisi di lokasi-lokasi yang dekatdengan benda reflektif, seperti di samping gedung tinggi, di bawah kawat transmisi tegangan tinggi atau lainnya. Untuk mengatasinya : hindari pengamatan dekat benda reflektif, pakai satelit yang benar-benar baik saja, lakukan pengukuran berulang-ulang dan dirata-rata hasilnya.

2. SA adalah teknik pemfilteran yang diaplikasikan untuk memproteksi ketelitian tinggi GPS bagi khalayak umum dengan cara mengacak sinyal - sinyal dari satelit terutama yang berhubungan dengan informasi waktu. Koreksinya hanya dapat dilakukan oleh pihak yang berwenang mengelola GPS ataupun pihak militer Amerika saja. Pihak-pihak lain yang mempunyai ijin untuk menggunakan data berketelitian tinggi biasanya juga diberi tahu cara koreksinya. SA ini merupakan sumber kesalahan paling besar bagi penentuan posisi dengan metode absolut. Namun dengan menerapkan metode relatif (differential positioning) kesalahan tersebut dapat dikurangi. Selain itu belum lama ini pihak militer Amerika telah merevisi kebijakan dalam menerapkanSA ini sehingga saat ini dengan metode absolut-pun ketelitiannya sudah sangat baik dibanding sebelumnya (sudah tidak dalam puluhan meter lagi kesalahannya). Ketidak akuratan posisi karenasettingreceiver yang tidak pas ini hanya dapat diatasi dengan menge-set parameter GPS saat dipakai sesuai dengan parameter peta kerja yang dipergunakan. Hal tersebut biasanya terkait dengan sistem proyeksi dan koordinat, serta datum yang digunakan dalam peta kerja

1.1.12 Manfaat GPS

Dengan menggunakan GPS, seseorang dapat menandai semua lokasi yang pernah di kunjungi. Ada banyak manfaat yang bisa diambil jika seseorang mengetahui way-point dari suatu tempat. Pertama, orang dapat memperkirakan jarak lokasi yang akan dituju dengan lokasi asal. GPS keluaran terakhir dapat memperkirakan jarak pengguna ke tujuan, sampai estimasi lamanya perjalanan dengan kecepatan aktual yang sedang pengguna tersebut tempuh. Kedua, lokasi di daratan memang cukup mudah untuk dikenali dan diidentifikasi. Namun, jika seseorang kebetulan menemui tempat memancing yang sangat baik di tengah lautan ataupun tempat melihat matahari ter-benam yang baik di puncak gunung, bagaimana cara menandai lokasi tersebut agar orang tersebut dapat balik lagi ke lokasi itu di kemudian hari tanpa tersesat. Di saat seperti inilah sebuah GPS akan menunjukkan manfaatnya.

Dengan teknologi GPS dapat digunakan untuk beberapa keperluan sesuai dengan tujuannya. GPS dapat digunakan oleh peneliti, olahragawan, petani, tentara, pilot, petualang, pendaki, pengantar barang, pelaut, kurir, penebang pohon, pemadam ke-bakaran dan orang dengan berbagai kepentingan untuk meningkatkan produktivitas, keamanan, dan untuk kemudahan.

Dari beberapa pemakaian di atas dikategorikan menjadi:

1. Lokasi, digunakan untuk menentukan dimana lokasi suatu titik dipermukaan bumi berada.

2. Navigasi, membantu mencari lokasi suatu titik di bumi.

3. Tracking, membantu untuk memonitoring pergerakan obyek.

4. Membantu memetakan posisi tertentu, dan perhitungan jaringan terdekat.

5. Timing, dapat dijadikan dasar penentuan jam seluruh dunia, karena memakai jam atom yang jauh lebih presesi di banding dengan jam biasa.

1.1.13 Model dan Interkoneksi GPS

Sebuah GPS juga memiliki firmware yang bisa di-upgrade. Upgrade firmware ini biasanya disediakan pada site produsen GPS tersebut. Upgrade firmware biasanya menggunakan kabel yang dibundel atau-pun tersedia sebagai asesoris. Kabel ini juga ternyata bisa digunakan untuk menghubungkan GPS ke komputer (baik itu notebook, PC, maupun PDA dengan sedikit bantuan konverter). Software GPS yang terse-dia untuk berbagai platform tersebut juga cukup banyak. Dengan software terse-but, dapat dengan mudah mengunduh informasi dari GPS. Memori sebuah GPS memang relatif terbatas, sehingga kemampuan ekstra untuk menyimpan informasi yang pernah ditempuh ke PC/PDA (yang biasanya memiliki memori lebih besar) tentu akan sangat menyenangkan. Untuk media komunikasi GPS dengan hardware lain selain kabel, model GPS sekarang juga ada yang dilengkapi dengan Bluetooth, Infrared. Berdasarkan fisik, model GPS dibagi menjadi beberapa tipe antara lain

model portable/handheld(ukurannya menyerupai ponsel), ada yang lebih besar (biasanya digunakan di mobil/kapal), ada pula yang meng-gunakan interfacekhusus untuk dikoneksikan ke notebook maupun PDA (Palm, Pocket PC maupun Nokia Communicator).

GPS untuk keperluan diluar ruangan biasanya juga dilengkapi dengan perlindungan anti air dan tahan ben-turan. Beberapa GPS keluaran terakhir bahkan sudah menyediakan layar warna dan kemampuan komunikasi radio jarak pendek (FRS/Family Radio Service). Tentu saja, semakin banyak feature yang ditawarkan pada sebuah GPS maka semakin tinggi pula harganya

1.1.14   Istilah-istilah yang Penting pada GPS

Beberapa istilah penting yang penting untuk diketahui yang berhubungan dengan GPS :

1. Waypoint : Istilah yang digunakan oleh GPS untuk suatu lokasi yang telah ditandai. Waypoint terdiri dari koordinat lintang (latitude) dan bujur (longitude). Sebuah waypoint biasa digambarkan dalam bentuk titik dan simbol sesuai dengan jenis lokasi.

2. Mark : Menandai suatu posisi tertentu pada GPS. Jika menandai lokasi menjadi waypoint,maka dikatakan telah melakukan marking.

3. Route : Kumpulan waypoint yang ingin seseorang tempuh secara berurutan dan dimasukkan ke dalam GPS.

4. Track : Arah perjalanan yang sedang ditempuh dengan menggunakan GPS. Biasanya digambarkan berupa garis pada display GPS.

5. Elevation : Istilah pada GPS untuk menentukan ketinggian. Ada dua jenis pengukur ketinggian pada GPS, yaitu menggunakan alat klasik barometer atau menggunakan perhitungan satelit. Pengukuran ketinggian menggunakan barometer jauh lebih akurat di udara bebas,namun tidak bisa bekerja dalam pesawat atau ruang vakum lainnya.Ini disebabkan oleh perbedaan tekanan udara dalam ruang vakum dengan tekanan udara di luar. Pengukuran ketinggian menggunakan satelit akan lebih akurat pada tempat seperti itu

6. Bearing : Arah/posisi yang ingin dituju. Contohnya, A ingin menuju ke suatu lokasi di posisi B yang letaknya di Utara, maka bearing A dikatakan telah diset ke Utara.

7. Heading : Arah aktual yang sedang dijalankan. Contohnya, saat menuju ke posisi B tadi, A menemui halangan sehingga harus memutar ke selatan terlebih dahulu, maka heading A pada saat itu adalah selatan.

1.1.15   Bagian-bagian Daerah Kerja GPS

GPS terdiri atas tiga segmen yaitu space segment, control segment, user segment, dengan penjelasan sebagai berikut:

1. Space Segment Space segment terdiri atas konstelasi 24 satelit. Masing-masing satelit mengirimkan sebuah sinyal, yang memiliki sejumlah komponen: dua buah gelombang sinus (yang juga dikenal sebagai carrier frequency / frekuensi pembawa), dua kode digital, dan sebuah pesan navigasi. Pesan kode dan navigasi ditambahkan ke dalam pembawa sebagai modulasi dua fasa biner. Pembawa dan kode digunakan terutama untuk menentukan jarak dari receiver pengguna sampai ke satelit GPS. Pesan nagivasi berisi koordinat (lokasi) satelit sebagai fungsi waktu bersama dengan informasi-informasi lain

2. Control Segment Segmen kontrol dari sistem GPS terdiri atas jaringan lima stasiun pemantau di seluruh pelosok dunia, dengan stasiun kontrol utama (master control station/MCS) berlokasi di dekat Colorado Springs, Colorado, Amerika Serikat. Tugas utama segmen kontrol operasional adalah menjejaki satelit GPS dengan tujuan untuk menentukan dan memprediksikan lokasi satelit, integritas sistem, jam atom satelit, data atmosfer, perkiraan satelit, dan pertimbangan-pertimbangan lain. Informasi ini kemudian digabungkan dan di-upload ke satelit GPS melalui jalur S-band

3. User Segment User segment mencakup semua pengguna baik militer maupun sipil. Dengan sebuah penerima GPS yang terhubung dengan antena GPS, seorang pengguna dapat menerima sinyal GPS, yang dapat digunakan untuk menentukan posisi pengguna tersebut di manapun di bumi. Saat ini GPS tersedia bagi siapapun di seluruh dunia tanpa biaya apapun

1.1.16   Cara Kerja GPS

Secara teoritis, GPS bekerja dengan cara mengumpulkan data dari satelit, masing-masing satelit akan memberikan informasi jarak antara lokasi satelit tersebut dengan sebuah titik di bumi (GPS receiver). Dari proses pengambilan lokasi-lokasi tersebut akan diperoleh koordinat-koordinat yang disebut waypoint (garis lintang dan bujur pada peta). Dari semua data itu, lokasi titik (GPS receiver) dapat ditentukan dengan cara menerapkan konsep triangulasi. Konsep triangulasi dapat dianalogikan seperti berikut. A ingin datang ke di Gedung G, A tidak tahu di mana letak gedung itu. Ia hanya punya informasibahwa Gedung G terletak 10 km dari Universitas X, 15 km dari Pasar Y dan 20 km dari Terminal Z. Dengan menggambar tiga lingkaran yang berpusat di Universitas X, Pasar Y dan Terminal Z, masing-masing dengan radius 10, 15 dan 20 km. Di titik perpotongan ketiga lingkaran itulah terletak Gedung G. Dalam hal ini, alat penerima akan berada pada titik potong tiga bidang bola; masing-masing dengan radius sebesar jarak alat penerima ke satelit, dengan satelit itu sebagai pusat bola. Dengan demikian, posisi titik itu dapat diketahui dengan titik perpotongan ketiga lingkaran tersebut.

Pada praktiknya, satelit yang digunakan minimum 3 buah dan satelit keempat dibutuhkan untuk perhitungan sinkronisasi clock dari penerima GPS. Akurasi yang diperoleh dengan metode ini terbatas pada 100 meter untuk komponen horizontal, 156 meter untuk vertikal, dan 340 nanodetik untuk komponen waktu, semua pada tingkat probabilitas sebesar 95%. Tingkat keakuratan yang rendah ini diakibatkan oleh teknik selective availability, yaitu teknik yang digunakan untuk menurunkan akurasi posisi waktu nyata bagi pengguna yang tak berhak. Dengan keputusan pemerintah Amerika Serikat tanggal 1 Mei 2000 untuk penghentian selective availability, akurasi horizontal dapat naik menjadi 22 meter (dengan tingkat probabilitas 95%). Untuk lebih lagi meningkatkan akurasi GPS, digunakan metode diferensial, yang menggunakan dua alat penerima bersamaan. Dalam kasus ini, tingkat keakuratan yang diperoleh mencapai beberapa meter saja

1.1.17   Menentukan Posisi dari Receiver ke Satelit GPS

Sebuah GPS receiver mengetahui lokasi dari satelit dengan cara menghitung seberapa jauh jarak antara satelit dan receiver dengan menggunakan rumus sebagai berikut : Kecepatan x Waktu = Jarak (2-1) Keterangan: Kecepatan = kecepatan gelombang mikro yang dikirimkan dari satelit, Waktu = waktu yang dibutuhkan dari satelit mengirimkan sinyal hingga diterima GPS receiver, Jarak = jarak antara satelit dengan GPS receiver. Dari diketahui jarak antara receiver dengan satelit, maka dapat ditentukan posisi receiver dengan cara mengirimkan balik sinyal ke satelit sehingga membentuk suatu lingkaran dari ketiga satelit yang ada. TTFF (Time to First Fix) TTFF (Time to First Fix) adalah waktu yang diperlukan oleh sebuah GPS receiver untuk mengetahui posisinya saat ini. TTFF bergantung pada mode boot up mode GPS apakah hot start, warm start, atau cold start.Secara umum factor-faktor yang mempengaruhi boot mode antara lain sebagai berikut

- Adanya data almanac dan ephemeris yang valid.

- Kuat sinyal yang diterima receiver.

- Posisi receiver dari tempat terakhir dimana dia fix atau memperoleh data yang valid (sekitar 100 km dari tempat terakhir dia memperoleh data yang valid).

- Waktu terakhir fix atau memperoleh data yang valid.

Setiap satelit GPS melakukan broadcast pesan navigasi dengan kecepatan 50 bit/s yang berisi kondisi informasi satelit GPS (ditransmisikan pada bagian pertama dari pesan), data ephemeris (ditransmisikan pada bagian kedua dari pesan), dan data almanac (ditransmisikan pada bagian akhir dari pesan). Pesan dikirim dalam frame dimana masing-masing frame memerlukan waktu 30 detik untuk mengirimkan 1500 bit. Setiap frame terdiri 5 subframe dengan lama 6 detik dan panjang 300 bit. Setiap subframe terdiri dari 10 words yang masing-masing terdiri dari 30 bit dengan masing-masing memerlukan 0,6 detik untuk dikirimkan.

Word 1 dan 2 dari setiap subframe memiliki tipe data yang sama. Wordpertama mengindikasikan awal dari sebuah subframe dan digunakan oleh receiver untuk

melakukan sinkronisasi dengan pesan navigasi. Word kedua merupakan handover word yang memiliki informasi waktu yang memungkinkan receiver untuk mengidentifikasi subframe dan memberitahukan waktu pengiriman subframe selanjutnya.

Word 3 sampai 10 dari subframe 1 terdiri atas data yang menjelaskan clocksatelit dan hubungan dengan waktu GPS. Word 3 sampai 10 dari subframe 2 dan 3 terdiri dari data ephemeris yang menunjukkan letak pasti dari satelit tersebut. Data ephemeris diperbaharui setiap sekitar 2 jam

Almanac terdiri dari posisi kasar (tidak begitu akurat) dan informasi status dari setiap satelit. Word 3 sampai 10 pada subframe 4 dan 5 terdiri dari sebuah bagian baru dari data almanac. Setiap frame memiliki 1/25 data almanacsehingga diperlukan waktu selama 12,5 menit untuk memperoleh almanackeseluruhan dari tiap satu satelit. Data almanac memiliki beberapa fungsi yakni untuk membantu penemuan satelit pada penyalaan atau membantu untuk memprediksi satelit mana yang terlihat dengan mengizinkan receiver untuk memberikan daftar satelit yang terlihat berdasarkan posisi dan waktu yang tersimpan sehingga mempersingkat waktu akuisisi. Data almanac akan disimpan di non-volatile memory. Sementara itu data ephemeris dari setiap satelit diperlukan untuk menghitung posisi menggunakan satelit tersebut. Jika receiver tidak memiliki data almanac maka akan menyebabkan waktu delay yang lama sebelum memperoleh posisinya yang valid karena dilakukan pencarian terhadap masing-masing satelit merupakan proses yang lambat. Ketika sebuah GPS receiver sudah pernah fix dan dimatikan, posisi dan data yang valid akan disimpan. Ketika receiver dihidupkan kembali, dia akan berusaha untuk menggunakan informasi yang telah tersimpan dalam almanacuntuk memprediksi satelit mana yang terlihat. Jika receiver telah berpindah terlalu jauh atau internalclock sudah tidak aktif (GPS tidak aktif dari 3 hari sebelumnya), maka data yang tersimpan tidak dapat digunakan untuk membantu memprediksi lokasi satelit.

GPS memiliki beberapa mode start up, yaitu:

- Mode Cold Start : GPS melakukan startup dalam mode ini ketika:

  – Receiver telah berpindah lebih dari 100 km dari lokasi fix terakhir.

  – Waktu saat ini tidak akurat atau tidak diketahui.

  – Sinyal yang diterima lemah. Satelit yang diprediksi secara fisik ada di atas atau terlihat tetapi receiver tidak bisa melihatnya misalnya karena adanya bangunan yang tinggi atau halangan lainnya

  Situasi-situasi seperti di atas memiliki arti bahwa receiver tidak bisa memprediksi dan/atau membuktikan satelit mana yang terlihat. Receiver kemudian mencari semua satelit dan mencoba untuk memperolehnya secara bergantian. TTFF untuk cold start bisa mencapai belasan menit.

- Mode Warm Start : GPS melakukan startup dalam mode ini ketika:

  – Tidak ada data ephemeris yang tersimpan.

  – Waktu saat ini diketahui (GPS pernah aktif dalam tiga hari terakhir). .

  – Lokasi saat ini tidak lebih dari 100 km dari lokasi fix terakhir.

– Memiliki alamat yang valid.

– Terdapat 4 atau lebih satelit dengan HDOP ¡ 6 dan kekuatan sinyal yang bagus (misalnya satelit memiliki geometri yang bagus dan bisa melihat langit secara langsung).

Receiver bisa memprediksi satelit mana yang terlihat tetapi perlu untuk memperoleh data ephemeris saat ini terlebih dahulu. TTFF untuk mode start ini biasanya sekitar 45 detik.

▪ Mode Hot Start : GPS receiverstart up dengan mode hot start jika kondisi warm startterpenuhi dan ketika

– Sudah fix dalam 2 jam terakhir.

– Receiver memiliki data ephemeris yang valid minimal untuk 5 satelit

Dalam mode ini, receiver dengan cepat mengetahui satelit yang terlihat dan hanya perlu memperoleh data yang sedikit untuk mengetahui posisinya. TTFF untuk hot start biasanya 22 detik

TTFF bisa juga dipengaruhi oleh konstelasi atau posisi satelit. Semakin banyak satelit dalam lokasi yang bagus mengurangi TTFF dan meningkatkan akurasi. Minimal dibutuhkan 4 satelit untuk fix. Dengan 5 atau lebih dibutuhkan untuk kualitas fix yang lebih bagus. GPS bekerja dengan konsep triangulasi. Satelit yang berada tepat di atas (sudut elevasi 90o) memberikan hasil yang lebih tidak akurat dibandingkan dengan satelit dengan sudut elevasi yang lebih rendah. Namun sinyal dari satelit yang terlalu lemah pada langit yang harus melewati atmosfer bumi akan mengurangi akurasi juga.

1.1.18 Ketidakakuratanpada GPS

Sistem GPS telah didesain untuk seakurat mungkin, tetapi masih ada penyimpangan yang terjadi. Ada banyak penyebab dari penyimpangan ini, yaitu :

1. Kondisi Atmosfer Kondisi atmosfer yang berubah mengakibatkan kecepatan sinyal GPS berubah karena sinyal tersebut melewati atmosfer bumi dan ionosfer sehingga kecepatan gelombang mikro dari satelit akan berubah, yang akan mempengaruhi perhitungan jarak menjadi tidak akurat.

2. Ephemeris Error dan Clock Error Sinyal pada GPS membawa informasi tentang error pada ephemeris (posisi secara orbital).

3. Selective Availabilty Selective Availability (SA) adalah teknik yang digunakan untuk menurunkan akurasi posisi waktu nyata bagi pengguna yang tak berhak, dimana merupakan suatu penyimpangan posisi yang disengaja dari sekitar 0 sampai ribuan kaki ke dalam sinyal navigasi yang ada secara umum. SA ini bisa dihilangkan dengan cara koreksi secara diferrensial.

4. Multipath Signal yang mengalami pantulan akibat memasuki atmosfer bumi ketika menuju ke antena GPS

5. Dilution Of Precision (DOP) DOP merupakan sebuah indikator kualitas dari geometri pada konstelasi satelit. Perhitungan sebuah posisi bisa berbeda-beda tergantung pada satelit mana yang sedang digunakan. Perbedaaan geometri satelit bisa memperbesar atau bahkan memperkecil error pada GPS. Semakin besar sudut antara satelit yang satu dengan yang lainnya maka akan memperkecil nilai DOP, dan menghasilkan pengukuran yang lebih baik. Nilai yang tinggi pada DOP berarti mengindikasikan geometri yang buruk pada satelit. Format Kalimat GPS Perusahaan-perusahaan pembuat GPS memiliki format kalimat masing-masing untuk menyimpan hasil pengukuran GPS, sehingga sulit untuk menggabungkan data dari alat GPS yang berbeda. Masalah yang mirip terjadi saat ingin melakukan antar-muka terhadap berbagai alat yang berbeda, termasuk sistem GPS. Untuk mengatasi masalah ini, banyak peneliti yang membuat format standar untuk berbagai keperluan penggunanya. Format standar yang banyak digunakan saat ini ada empat, yaitu

   (a) RINEX : RINEX dibuat oleh sekelompok peneliti untuk mengatasi kesulitan mengkombinasikan data biner dari penerima GPS yang berbeda. Data RINEX merupakan format standar ASCII, sehingga memakan tempat yang lebih banyak dalam penyimpanannya

   (b) NGS-SP3 : NGS-SP3 dibangun oleh U.S. NGS yang merupakan akronim dari Standard Product 3, yang datanya berupa dokumen ASCII yang berisi data orbital yang presisi dan koreksi clock satelit yang bersangkutan

   (c) RTCM SC-104 untuk Layanan DGPS : Format ini merupakan format standar industri untuk mengirimkan koreksi waktu nyata DGPS yang diajukan oleh Radio Technical Commission for Maritime Services untuk memastikan operasi yang efisien dan koreksi pseudorange

   (d) NMEA 0183 : NMEA merupakan akronim dari National Marine Electronics Association, yang formatnya diadopsi sebagai format untuk antar-muka alat-alat elektronik kelautan. Format ini juga menggunakan data dalam format ASCII

GPS yang merupakan kependekan dari Global Positioning SystemGlobal Positioning System, adalah suatu system, adalah suatu systemradio navigasi dan penentuan posisi radio navigasi dan penentuan posisi yang berbasiskan satelit yang dapat digunakan oleh yang berbasiskan satelit yang dapat digunakan oleh banyak banyak orang sekaligus dalam segala cuaca, serta didesain untuk memberikan posisi dan kecepatan tigaorang sekaligus dalam segala cuaca, serta didesain untuk memberikan posisi dan kecepatan tigadimensi yang teliti, dan juga informasi mengenai waktu, secara kontinyu di seluruh duniadimensi yang teliti, dan juga informasi mengenai waktu, secara kontinyu di seluruh dunia(Abidin, 1995).(Abidin, 1995).Selain ituSelain itu Global Positioning SystemGlobal Positioning System(GPS) adalah system untuk menentukan posisi di(GPS) adalah

system untuk menentukan posisi dipermukaan bumi dengan bantuan sinkronisasi sinyal satelit. Sistem ini menggunakan satelit permukaan bumi dengan bantuan sinkronisasi sinyal satelit. Sistem ini menggunakan satelit yang mengirimkan sinyal gelombang mikro ke Bumi. Sinyal ini diterima oleh alat penerima diyang mengirimkan sinyal gelombang mikro ke Bumi. Sinyal ini diterima oleh alat penerima dipermukaan, dan digunakan untuk menentukan posisi, kecepatan, arah, dan permukaan, dan digunakan untuk menentukan posisi, kecepatan, arah, dan waktu.waktu.Untuk dapat mengetahui posisi seseorang maka diperlukan alat yang diberinama GPSUntuk dapat mengetahui posisi seseorang maka diperlukan alat yang diberinama GPSreciever yang berfungsi untuk menerima sinyal yang dikirim dari satelit GPS. Posisi di ubahreciever yang berfungsi untuk menerima sinyal yang dikirim dari satelit GPS. Posisi di ubahmenjadi titik yang dikenal dengan nama Way-point nantinya akan berupa titik-titik koordinat menjadi titik yang dikenal dengan nama Way-point nantinya akan berupa titik-titik koordinat lintang dan bujur dari posisi seseorang atau suatu lokasi kemudian di layar pada petalintang dan bujur dari posisi seseorang atau suatu lokasi kemudian di layar pada peta elektronik.

1.1.19   SEGMEN PADA PADA SATELIT SATELIT GPS

Sistem GPS yang nama aslinya NAVSTAR GPS (Sistem GPS yang nama aslinya NAVSTAR GPS (Navigational Satellite Timing and Ranging Navigational Satellite Timing and Ranging Global Positioning SystemGlobal Positioning System) mempunyai tiga segmen yaitu : satelit, pengontrol dan) mempunyai tiga segmen yaitu : satelit, pengontrol danpenerima/pengguna. Satelit GPS yang mengorbit bumi, dengan orbit dan kedudukan yang tetappenerima/pengguna. Satelit GPS yang mengorbit bumi, dengan orbit dan kedudukan yang tetap(koordinatnya pasti).(koordinatnya pasti).

- Satelit Satelit Satelit bertugas untuk menerima dan menyimpan data yang ditransmisikan olehSatelit bertugas untuk menerima dan menyimpan data yang ditransmisikan olehstatiun-statiun pengontrol, menyimpan dan menjaga informasi waktu berketelitian tinggi yangstatiun-statiun pengontrol, menyimpan dan menjaga informasi waktu berketelitian tinggi yangditentukan dengan jam atomic di ditentukan dengan jam atomic di satelit dan memancarkan sinyal dan informasi secara kontinyusatelit dan memancarkan sinyal dan informasi secara kontinyuke pesawat (receiver) dari pengguna.ke pesawat (receiver) dari pengguna

- PengontrolPengontrolPengontrol bertugas untuk mengendalikan dan mengontorol satelit dari bumi baik Pengontrol bertugas untuk mengendalikan dan mengontorol satelit dari bumi baik untuk mengecek kesahatan satelit, penentuan dan prediksi orbit dan waktu, sinkronisasi waktuuntuk mengecek kesahatan satelit, penentuan dan prediksi orbit dan waktu, sinkronisasi waktuantar satelit, dan mengirim data ke satelit.antar satelit, dan mengirim data ke satelit

- PenerimaPenerimaPenerima bertugas menerima data dari satelit dan memprosesnya untuk menentukanPenerima bertugas menerima data dari satelit dan memprosesnya untuk menentukanposisi (posisi dari tiga dimensi yaitu koordinat di bumi plus ketinggian), arah, jarak dan waktuposisi (posisi dari tiga dimensi yaitu koordinat di bumi plus ketinggian), arah, jarak dan waktuyang diperlukan oleh pengguna yang diperlukan oleh pengguna

1.1.20   Kelebihan GPS

1. Dapat menandai semua lokasi yang pernah dikunjungi oleh pengguna

2. Dapat memperkirakan jarak lokasi yang dituju oleh pengguna dengan mengetahui lokasiasalnya, GPS juga dapat memperkirakan estimasi lamanya perjalanan dengan kecepatanaktual yang sedang ditempuh oleh pengguna

3. Dimanapu posisi pengguna, entah itu di tengah laut atau pegunungan, di atas gunungsampai di pusat kota, selama GPS dapat menerima sinyal dari satelit secara langsungtanpa halangan, maka GPS akan selalu memberikan informasi koordinat posisipengguna

1.1.21   Kekurangan GPS

1. GPS harus berada di luar ruangan yang menghadap langit terbuka, halangan-halanganseperti pohon, gedung, kaca atau disaat pengguna berada di dalam kendaraan akanmengurangi akurasi sinyal yang diterima oleh receiver GPS, bahkan receiver GPS jugabisa tidakbisa menerima sinyal sama sekali

2. Banyak gangguan yang dapat menurunkan kualitas sinyal GPS sehingga akanmempengaruhi ketelitian pengukuran, diantaranya adalah delay ionosfer, sinyalmultipath, kesalahan orbital, geometri

3. Adanya penurunan kualitas sinyal satelit, yaitu penurunan kualitas sinyal yangdikenakan oleh pejabat Amerika Serikat untuk mencegah musuh militer daripenggunaan sinyal GPS yang akurat

4. Adanya kesalahan orbital, yaitu kesalahan efemeris yang merupakan ketidakakurasianlokasi yang dilaporkan oleh satelit penerima GPS

5. Kesalahan jam penerima dapat menyebabkan kesalahan waktu

6. Delay ionosfer, yaitu atmosfer yang mengalami perubahan dalam hal temperatur,tekanan, kelembaban, dan perubahan cuaca, yang menyebabkan sinyal satelit GPSterlambat sampai ke atmosfer

7.

BAB 2

KEBUTUHAN

Gambar 2.1   Logo PHP

2.0.1   Apa itu PHP?

PHP merupakan salah satu dari sekian banyak bahasa pemrograman web yang paling umum digunakan dalam pengembangan suatu web. Biasanya dalam implementasinya PHP sering digabungkan atau disisipkan dalam dokumen HTML. PHP memiliki kepanjangan yaitu PHP: Hypertext Preprocessor.Bahasa pemrograman ini bersi-

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By M. Yusril H. S, Kadek Diva K. M., & Chandra Kirana P.

17

fat server-side. Arti dari Server-side programming sendiri yaitu script/program terse-but akan dijalankan/diproses oleh server.

2.0.2   Sejarah PHP

Pada awalnya PHP merupakan kependekan dari Personal Home Page (Situs per-sonal). PHP pertama kali dibuat oleh Rasmus Lerdorf pada tahun 1995. Pada waktu itu PHP masih bernama Form Interpreted (FI), yang wujudnya berupa sekumpulan skrip yang digunakan untuk mengolah data formulir dari web.

Selanjutnya Rasmus merilis kode sumber tersebut untuk umum dan menamakan-nya PHP/FI. Dengan perilisan kode sumber ini menjadi sumber terbuka, maka banyak pemrogram yang tertarik untuk ikut mengembangkan PHP.

Pada November 1997, dirilis PHP/FI 2.0. Pada rilis ini, interpreter PHP sudah diimplementasikan dalam program C. Dalam rilis ini disertakan juga modul-modul ekstensi yang meningkatkan kemampuan PHP/FI secara signifikan.

Pada tahun 1997, sebuah perusahaan bernama Zend menulis ulang interpreter PHP menjadi lebih bersih, lebih baik, dan lebih cepat. Kemudian pada Juni 1998, perusahaan tersebut merilis interpreter baru untuk PHP dan meresmikan rilis tersebut sebagai PHP 3.0 dan singkatan PHP diubah menjadi akronim berulang PHP: Hyper-text Preprocessing.

Pada pertengahan tahun 1999, Zend merilis interpreter PHP baru dan rilis tersebut dikenal dengan PHP 4.0. PHP 4.0 adalah versi PHP yang paling banyak dipakai pada awal abad ke-21. Versi ini banyak dipakai disebabkan kemampuannya untuk membangun aplikasi web kompleks tetapi tetap memiliki kecepatan dan stabilitas yang tinggi.

Pada Juni 2004, Zend merilis PHP 5.0. Dalam versi ini, inti dari interpreter PHP mengalami perubahan besar. Versi ini juga memasukkan model pemrograman beror-ientasi objek ke dalam PHP untuk menjawab perkembangan bahasa pemrograman ke arah paradigma berorientasi objek. Peladen web bawaan ditambahkan pada versi 5.4 untuk mempermudah pengembang menjalankan kode PHP tanpa menginstal peladen perangkat lunak.

Versi terbaru dan stabil dari bahasa pemograman PHP saat ini adalah versi 7.4.3 yang dirilis pada tanggal 20 Februari 2020

2.0.3   Sekilas tentang pembuat PHP : Rasmus Lerdorf

Gambar 2.2   Creator PHP Rasmus Lerdorf

Rasmus Lerdorf merupakan seorang programmer yang berasal dari Denmark. Dia membuat dan membantu dalam hal pengkodean bahasa PHP, terutama pada 2 versi awal yang kemudian dikembangkan secara grup bersama dengan Jim Winstead (Yang membuat blo.gs), Stig Bakken, Shane Caraveo, Andi Gutmans, dan juga Zeev Suraski. sampai sekarang ia terus berkontribusi pada projek.

Lerdorf lahir di pulau disko di daerah Greenland dan kemudian pindah ke Denmark pada awal hidupnya. kelurganya pindah dari Kanada ke Denmark pada tahun 1980, lalu pindah lagi ke kota King di Ontario pada tahun 1983. Dia lulus dari SMA King City pada tahun 1988, dan pada tahun 1993 lulus dari Universitas Waterloo dengan gelar Bachelor of Applied Science di bidang teknik desain sistem. Dia juga ikut berkontribusi dalam Apache HTTP Server dan menambahkan clausa Limit pada mSQL DBMS.

Dari Septermber 2002 sampai November 2009, Lerdorf bekerja di perusahaan Yahoo sebagai Infrastructure Architecture Engineer. Pada tahun 2010 kemudian bergabung ke perusahaan WePay untuk mengembangkan API (Application Programming Interface). dan pada tahun 2011 ia menjadi seorang konsultan untuk beberapa startup. Kemudian pada 22 Februari 2012 ia bergabung dengan Etsy, sebuah website e-commerce yang berfokus pada hal hal vintage. Dan pada tahun 2013, Rasmus bergabung dengan Jelastic sebagai Senior Advisor untuk membantu mereka mengembangkan teknologi baru.

Selain itu Lerdorf juga sering menjadi pembicara dalam konferensi open source di berbagai belahan dunia. Beberapa topik yang sering dia bahas diantaranya adalah security vulnerabilities dan juga tentang PHP.

Pada tahun 2003, ia di beri penghargaan oleh MIT Technology Review sebagai salah satu dari 100 inovator di dunia yang berada dibawah umur 35

2.0.4   Website yang menggunakan PHP
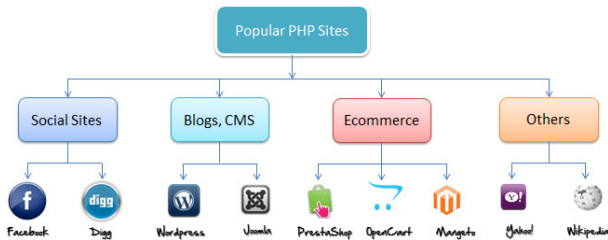
Gambar 2.3   Website dengan bahasa PHP

2.0.5   Contoh Kode PHP

Gambar 2.4   Program Hello world yang ditulis dengan PHP

2.0.6   Kelebihan PHP

- Bahasa Pemrograman PHP dapat ditemukan di mana - mana.

- Proses pengembangan lebih mudah, karena komunitas yang bisa dibilang besar dan mendukung.

- PHP adalah bahasa scripting yang paling mudah karena memiliki referensi yang banyak dan lengkap.

- PHP adalah bahasa open source yang dapat digunakan di berbagai mesin (Linux, Unix, Macintosh, Windows).

- Ringkas dan ringan

- Maintenanace Mudah

2.0.7   Kekurangan PHP

- Banyak kompetisi, karena PHP adalah bahasa pemrograman yang paling umum

- Terkesan kurang prestigious.

- Tidak ideal jika untuk pengembangan skala besar.

- PHP mempunyai kelemahan security tertentu.

2.0.8 Referensi belajar PHP

- php.net

- sitepoint.com

- tutorialspoint.com/php/
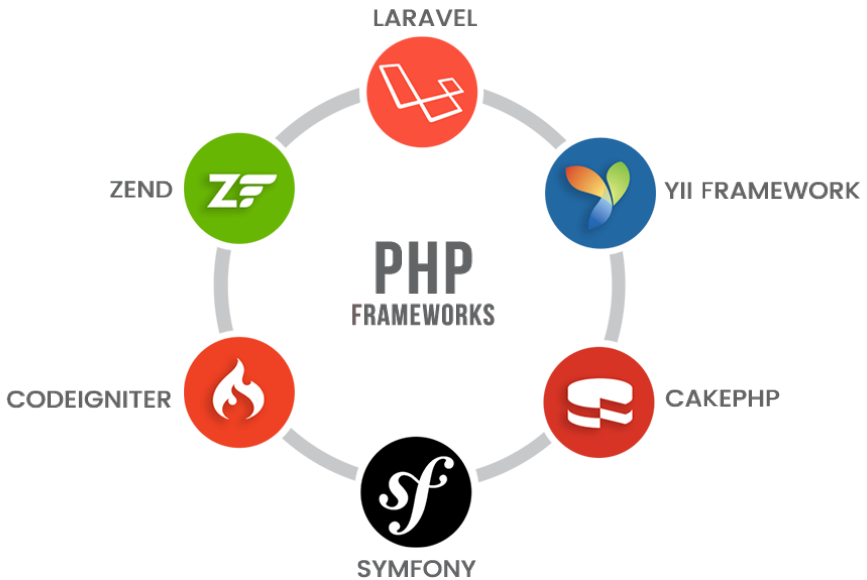
Gambar 2.5   Framework PHP

2.0.9 Apa itu Framework?

PHP Framework adalah suatu kerangka keja yang telah terbentuk dan tersusun untuk memudahkan proses pengembangan website secara profesional.

Namun perlu diketahui, bahwa PHP Framework memiliki perbedaannya tersendiri jika dibandingkan dengan sebuah CMS (Content Management System). Meskipun pada dasarnya mereka sama-sama memudahkan dalam hal yang sama yaitu pembuatan website. Tetapi untuk CMS kita tidak perlu repot-repot dan pusing-pusing menulis script maupun sekumpulan kode. Dengan fitur CMS, semuanya telah dibuat instan dan kita hanya perlu sedikit mengatur bagian konten dan interface-nya saja.

Berbeda dengan Framework, kita tetap harus menuliskan script dan sekumpulan kode untuk dapat membangun sebuah web.

2.0.10 Mengapa harus menggunakan Framework?

- Mempercepat proses pengembangan web

- Kode yang terorganisir dan dapat digunakan terus menerus (reusable).

- Lebih mudah dalam proses maintenance.

- Lebih aman dalam hal sekuriti

- Menggunakan pola MVC (model - view - controller) yang memisahkan antara presentation dan logic

- Konsep web development modern seperti object oriented programming.

Gambar 2.6   Logo Codeigniter

2.0.11 Pengenalan Codeigniter

CodeIgniter sendiri merupakan salah satu framework php yang bersifat aplikasi sumber terbuka(Open Source) dengan model MVC (Model, View, Controller) yang digunakan untuk mengembangkan situs web yang dinamis. CodeIgniter mempermudah proses pengembang web untuk membuat aplikasi web dengan waktu yang lebih cepat dan mudah dibandingkan dengan membuatnya dari awal. CodeIgniter dirilis pertama kali pada 28 Februari 2006.
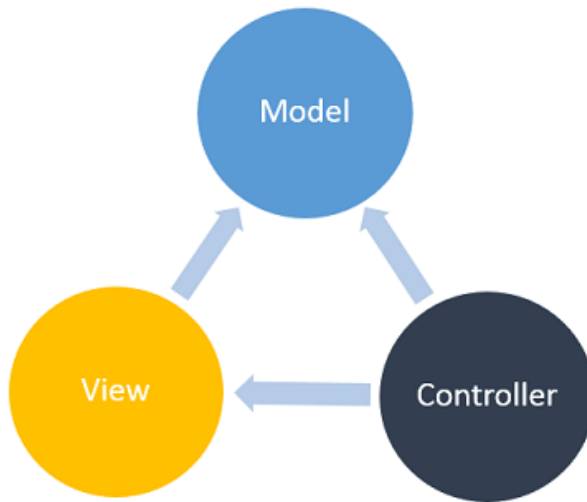
Gambar 2.7   MVC Concept

2.0.12   Konsep MVC (Model View dan Controller)

Model View Controller merupakan suatu konsep yang cukup populer dalam mengembangkan suatu aplikasi web, Konsep MVC ini mencoba memisahkan pengembangan aplikasi berdasarkan komponen-komponen utama dalam membuat suatu aplikasi seperti misalkan bagian untuk pemrosesan/manipulasi data, tampilan , dan bagian untuk kontrol aplikasi. Terdapat 3 jenis komponen yang membangun suatu pola MVC dalam suatu aplikasi yaitu:

1. View, merupakan bagian yang akan ditampilkan dan dilihat oleh pengguna. Biasanya, yang ditampilkan adalah dokumen HTML yang diatur oleh controller. View berfungsi untuk menerima dan merepresentasikan data kepada pengguna. Bagian view tidak dapat memiliki akses pada bagian model.

2. Model, Berhubungan langsung dengan proses CRUD (Create, Read, Update, Delete), serta search. Model juga menangani validasi dari bagian controller, tetapi berhubungan langsung dengan view.

3. Controller, merupakan bagian yang menghubungkan model dan juga view, controller berperan dalam menerima data dari view kemudian memprosesnya untuk dikirim ke bagian model.

2.0.13   Kelebihan dan Kekurangan Codeigniter

- Kelebihan

- – Performa sangat cepat.

- – Konfigurasi yang sangat minim

- – Komunitas yang aktif dan mendukung

- – Dokumentasi yang sangat lengkap

- Kekurangan

  - – CodeIgniter tidak ditujukan untuk pembuatan web dengan skala besar.

  - – Tidak Adanya Editor Khusus.

2.0.14 Instalasi Codeigniter
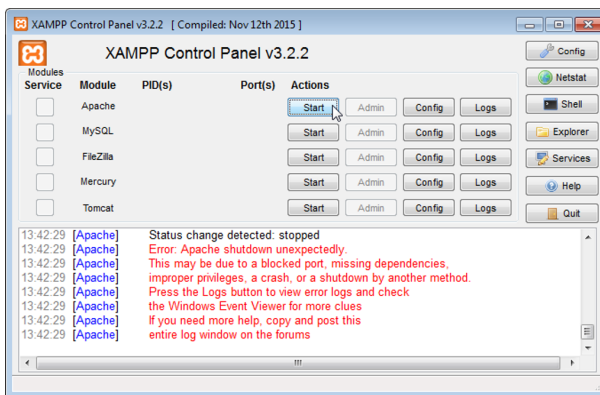
Gambar 2.8   Tampilan Xampp

- Download Xampp terlebih dahulu di https://www.apachefriends.org/

- Kemudian install Xampp
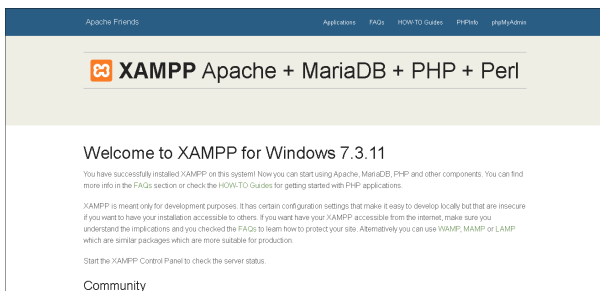
Gambar 2.9   Tampilan web Xampp jika berhasil instalasi
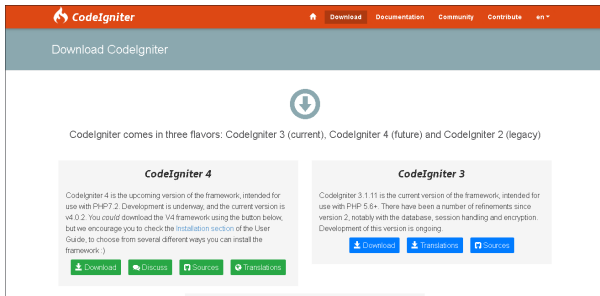
Gambar 2.10   Website Codeigniter

- Kemudian, dilanjutkan dengan instalasi codeigniter dengan cara mendownload terlebih dahulu codeigniter-nya di https://codeigniter.com/en/download

Gambar 2.11   Ekstrak File

- ekstrak file yang telah di download

- berikut adalah hasil ekstrak file

Gambar 2.12   Hasil Ekstrak File

Gambar 2.13   API

2.0.15   Pengenalan API

API merupakan singkatan yang memiliki kepanjangan yaitu Application Programming Interface, API ini digunakan oleh developer untuk melakukan proses integrasi dua bagian dari satu atau lebieh aplikasi yang berbeda secara bersamaan. API terdiri dari hal-hal seperti function, protocols, dan juga tools.

Tujuan dari penggunaan API sendiri adalah untuk mempercepat proses pengembangan dari suatu project dengan cara menyediakan beberapa function secara terpisah sehingga para pengembang tidak diperlukan untuk membuat function dengan fungsi tertentu dari awal, langsung pakai saja.

Penerapan API akan memiliki dampak yang signifikan jika fitur yang berkaitan sudah semakin kompleks yang pastinya akan membutuhkan waktu apabila harus memulainya dari awal hanya sekedar untuk membuat function yang memiliki fungsi yang sama dengan API yang telah ada

2.0.16   Fungsi API

API memiliki fungsi untuk menyediakan function yang lebih terstruktur serta terbaca dan mudah dipahami oleh seorang programmer. Hal ini merupakan hal yang krusial, terutama pada bagian editing serta pengembangan suatu projek

2.0.17   Jenis-Jenis API

- Ownership Web API

- Communication Level API

- Web Service API

BAB 3

PERANCANGAN

Project Android Simpel, First Edition.
By M. Yusril H. S, Kadek Diva K. M., & Chandra Kirana P.

29

BAB 4

PENGKODEAN

4.1 Pengkodean

Pada proyek ini, aplikasi yang dibuat adalah Aplikasi Monitor Kinerja Berbasis GPS. Di mana ada beberapa hal perlu dibuat, diantaranya database, API, website admin, dan Android app.

4.1.1 Database

Pertama kita akan membuat databasenya menggunakan MySQL. Untuk mempermudah pembuatan aplikasi kita menggunakan XAMPP yang telah berisikan Apache, MySQL, dan PHP. Jadi pastikan kalian telah menginstall XAMPP. Jika sudah, buka XAMPP kalian. Lalu jalankan Apache dan MySQL dengan mengklik start.
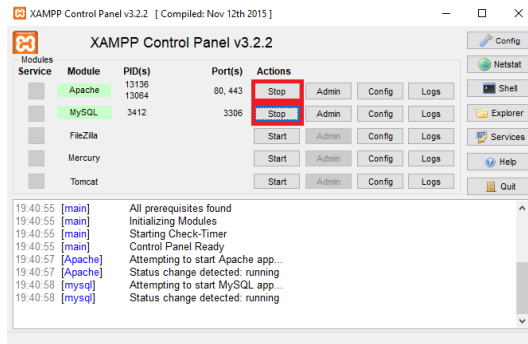
Kemudian jalankan url http://localhost/phpmyadmin/ pada web browser kalian.
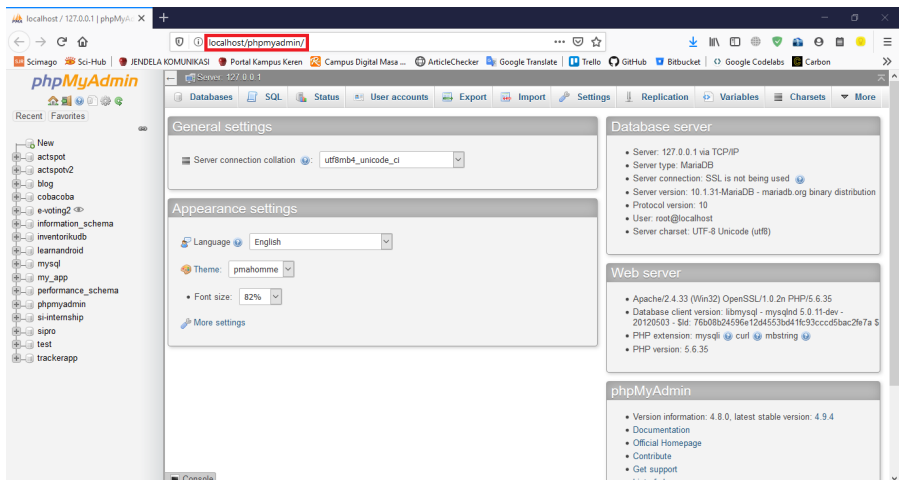
Setelah itu, kita akan membuat database dengan nama actspot. Caranya klik menu SQL, lalu ketikan script berikut. Kemudian klik Go untuk mengeksekusinya.

```
1  CREATE DATABASE `actspot`
```
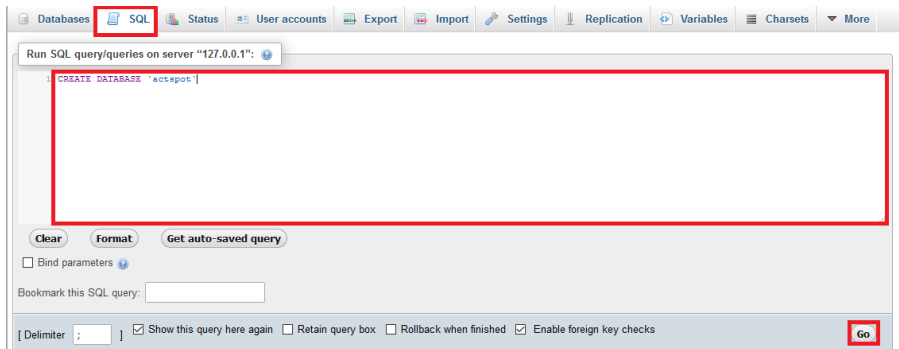
Kemudian kita buat akan membuat tabel-tabel yang nantinya dibutuhkan untuk meny-
impan datanya. Caranya kita klik database yang telah dibuat sebelumnya. Setelah
itu, klik menu SQL. Pertama kita akan membuat tabel absensi. Ketikan script berikut
dan klik Go untuk mengeksekusinya.

```
1  CREATE TABLE `absensi` (
2    `id_absensi` int(11) NOT NULL,
3    `id_intern_absensi` varchar(10) NOT NULL,
4    `id_mahasiswa_absensi` varchar(15) NOT NULL,
5    `id_dosen_absensi` varchar(15) NOT NULL,
6    `id_pembimbing_absensi` int(11) NOT NULL,
7    `latitude_absensi` text NOT NULL,
8    `longitude_absensi` text NOT NULL,
9    `imei_perangkat_absensi` text NOT NULL,
10   `id_kegiatan_absensi` int(11) NOT NULL,
11   `catatan_absensi` text NOT NULL,
12   `foto_absensi` text NOT NULL,
13   `tgl_waktu_absensi` text NOT NULL,
14   `status_absensi` varchar(20) DEFAULT NULL,
15   `nilai_absensi` int(11) DEFAULT NULL,
16   PRIMARY KEY (`id_absensi`)
17 )
```
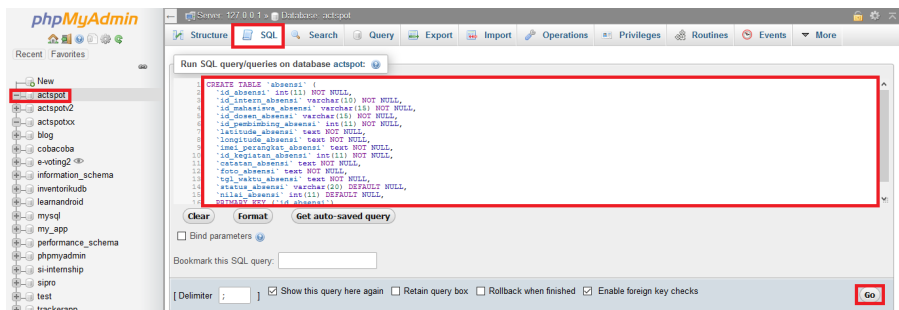

Selanjutnya kita akan membuat tabel detail_absensi. Caranya sama dengan sebelum-
nya, lalu ketikan script berikut dan klik Go untuk mengeksekusinya.

```
1  CREATE TABLE `detail_absensi` (
2    `id_absensi` int(11) NOT NULL AUTO_INCREMENT,
3    `id_mahasiswa_dt_absensi` varchar(15) NOT NULL,
4    `id_absensi_dt_absensi` int(11) NOT NULL,
5    `pergeseran_absensi` text NOT NULL,
6 )
```

Setelah itu kita akan membuat trigger pergeseran_absensi untuk mengukur perge-
seran antara objek dengan lokasi yang telah ditentukan. Caranya sama dengan se-
belumnya, lalu ketikan script berikut dan klik Go untuk mengeksekusinya.

```
1  DELIMITER $$
2  CREATE TRIGGER `pergeseran_absensi` AFTER INSERT ON `absensi` FOR
       EACH ROW INSERT INTO detail_absensi (id_intern_dt_absensi,
       id_mahasiswa_dt_absensi, id_absensi_dt_absensi, pergeseran_absensi
       )
```

```
3       SELECT NEW.id_intern_absensi
4             , NEW.id_mahasiswa_absensi
5             , NEW.id_absensi
6             , hitung_pergeseran(p.lat_pembimbing_perusahaan ,p.
        long_pembimbing_perusahaan ,NEW.latitude_absensi ,NEW.
        longitude_absensi)
7         FROM pembimbing_perusahaan p
8         LIMIT 1
9   $$
10  DELIMITER ;
```

Selanjutnya kita akan membuat tabel detail_intern. Caranya sama dengan sebelumnya, lalu ketikan script berikut dan klik Go untuk mengeksekusinya.

```
1   CREATE TABLE 'detail_intern' (
2     'id_intern_dt_intern' int(11) NOT NULL,
3     'id_mahasiswa_dt_intern' varchar(15) NOT NULL,
4     'id_dosen_dt_intern' varchar(15) NOT NULL,
5     'lama_internship' int(11) NOT NULL,
6     'surat_intern' text NOT NULL,
7     'id_pembimbing_dt_intern' int(11) DEFAULT NULL,
8     'latitude_perusahaan' text ,
9     'longitude_perusahaan' text ,
10    'foto_perusahaan' text ,
11    'status_perusahaan' varchar(20) DEFAULT NULL
12  )
```

Setelah itu, kita akan membuat tabel dosen. Caranya sama dengan sebelumnya, lalu ketikan script berikut dan klik Go untuk mengeksekusinya.

```
1   CREATE TABLE 'dosen' (
2     'id_dosen' varchar(15) NOT NULL,
3     'nama_dosen' varchar(50) NOT NULL,
4     'id_prodi_dosen' varchar(10) NOT NULL,
5     'kontak_dosen' text NOT NULL,
6     'foto_dosen' text ,
7     PRIMARY KEY ('id_dosen')
8   )
```

Selanjutnya kita akan membuat tabel intern. Caranya sama dengan sebelumnya, lalu ketikan script berikut dan klik Go untuk mengeksekusinya.

```
1   CREATE TABLE 'intern' (
2     'id_intern' int(11) NOT NULL AUTO_INCREMENT,
3     'id_koor_intern' varchar(15) NOT NULL,
4     'status_intern' varchar(15) NOT NULL,
5     'tgl_mulai_intern' datetime DEFAULT NULL,
6     'tgl_akhir_intern' datetime DEFAULT NULL,
7     PRIMARY KEY ('id_intern')
8   )
```

Setelah itu, kita akan membuat tabel kegiatan. Caranya sama dengan sebelumnya, lalu ketikan script berikut dan klik Go untuk mengeksekusinya.

```
1   CREATE TABLE 'kegiatan' (
2     'id_kegiatan' int(11) NOT NULL AUTO_INCREMENT,
3     'nama_kegiatan' varchar(50) NOT NULL,
4     PRIMARY KEY ('id_kegiatan')
```

```
5 )
```

Selanjutnya kita akan membuat tabel mahasiswa. Caranya sama dengan sebelumnya, lalu ketikan script berikut dan klik Go untuk mengeksekusinya.

```
1  CREATE TABLE 'mahasiswa' (
2    'id_mahasiswa' varchar(15) NOT NULL,
3    'nama_mahasiswa' varchar(50) NOT NULL,
4    'kelas_mahasiswa' varchar(5) NOT NULL,
5    'id_prodi_mahasiswa' varchar(10) NOT NULL,
6    'angkatan_mahasiswa' varchar(5) NOT NULL,
7    'foto_mahasiswa' text,
8    'kontak_mahasiswa' varchar(25) NOT NULL,
9    'kode_otp' varchar(11) DEFAULT NULL,
10   PRIMARY KEY ('id_mahasiswa')
11 )
```

Setelah itu, kita akan membuat tabel notifikasi. Caranya sama dengan sebelumnya, lalu ketikan script berikut dan klik Go untuk mengeksekusinya.

```
1  CREATE TABLE 'notifikasi' (
2    'id_intern_notifikasi' int(11) NOT NULL,
3    'id_mahasiswa_notifikasi' varchar(15) NOT NULL,
4    'id_dosen_notifikasi' varchar(15) NOT NULL,
5    'id_pembimbing_notifikasi' int(11) NOT NULL,
6    'pesan_notifikasi' text NOT NULL,
7    'tgl_waktu_notifikasi' datetime NOT NULL
8 )
```

Selanjutnya kita akan membuat tabel pembimbing_perusahaan. Caranya sama dengan sebelumnya, lalu ketikan script berikut dan klik Go untuk mengeksekusinya.

```
1  CREATE TABLE 'pembimbing_perusahaan' (
2    'id_pembimbing' int(11) NOT NULL AUTO_INCREMENT,
3    'nama_pembimbing' varchar(50) NOT NULL,
4    'nama_perusahaan_perusahaan' text NOT NULL,
5    'lat_pembimbing_perusahaan' text NOT NULL,
6    'long_pembimbing_perusahaan' text NOT NULL,
7    'kontak_pembimbing' varchar(25) NOT NULL,
8    'foto_pembimbing' text,
9    PRIMARY KEY ('id_pembimbing')
10 )
```

Setelah itu, kita akan membuat tabel prodi. Caranya sama dengan sebelumnya, lalu ketikan script berikut dan klik Go untuk mengeksekusinya.

```
1  CREATE TABLE 'prodi' (
2    'id_prodi' varchar(10) NOT NULL,
3    'nama_prodi' varchar(50) NOT NULL,
4    PRIMARY KEY ('id_prodi')
5 )
```

Selanjutnya kita akan membuat tabel user. Caranya sama dengan sebelumnya, lalu ketikan script berikut dan klik Go untuk mengeksekusinya.

```
1  CREATE TABLE 'user' (
2    'id_user' varchar(15) NOT NULL,
3    'username' varchar(20) NOT NULL,
```

```
4    'password' text NOT NULL,
5    'status_user' varchar(15) NOT NULL,
6    'role_user' varchar(15) NOT NULL
7  )
```

Sehingga hasilnya akhirnya terbentuk beberapa tabel yang dibutuhkan.
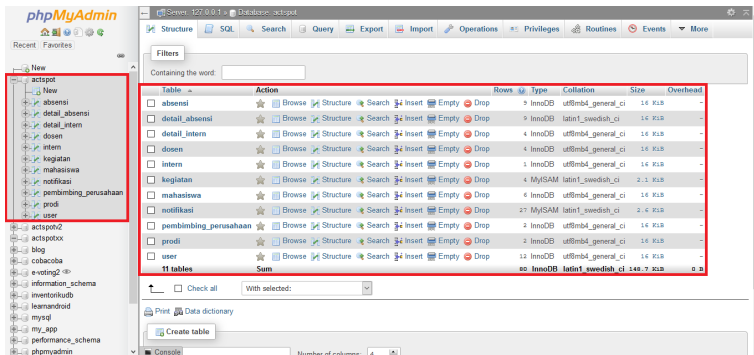
4.1.2 API

Selanjutnya kita akan membuat APInya menggunakan PHP. Persiapkan terlebih dahulu folder dan file yang nantinya kita butuhkan dalam pembuatan APInya. Pertama kita buat folder dosen, images, mahasiswa, dan pembimbing. Lalu kita buat juga file config.php dan conn.php.

Lalu di dalam folder dosen buat beberapa file sebagai berikut.

Kemudian di dalam folder mahasiswa buat beberapa file sebagai berikut.

Name
∧

mahasiswa.php
mahasiswa_absensi.php
mahasiswa_kegiatan.php
mahasiswa_login.php
mahasiswa_notifikasi.php
mahasiswa_pembimbing.php
mahasiswa_perusahaan.php
mahasiswa_progress.php
mahasiswa_progress_harian.php
mahasiswa_registrasi.php
mahasiswa_ubah.php

Selanjutnya di dalam folder pembimbing buat beberapa file sebagai berikut.

Name
∧

pembimbing.php
pembimbing_konfirm_absensi.php
pembimbing_konfirm_mahasiswa.php
pembimbing_list_konfirm_absensi.php
pembimbing_list_konfirm_mahasiswa.php
pembimbing_login.php
pembimbing_mahasiswa.php
pembimbing_notifikasi.php
pembimbing_registrasi.php
pembimbing_ubah.php

Setelah itu, di dalam folder images buat beberapa folder sebagai berikut.

Name
∧

absensi
dosen
mahasiswa
pembimbing
perusahaan

Kemudian tambahkan script berikut di file config.php

```php
<?php
define('hostname','localhost');
define('user','xxxx');
define('password','xxxx');
define('db_name','actspot');
?>
```

Selanjutnya tambahkan script berikut di file conn.php

```php
<?php
require_once 'config.php';
class Connection{
    private $connect;
    function __construct()    {
```

```php
6            $this->connect = mysqli_connect(hostname, user, password,
      db_name) or die("DB Connection error.");
7        }
8        public function get_connection()    {
9            return $this->connect;
10        }
11    }
12    ?>
```

Setelah itu, tambahkan script berikut di file dosen.php pada folder dosen.

```php
1    <?php
2    include('../conn.php');
3    header('Content-Type: application/json');
4    class Dosen{
5        private $db;
6        private $connection;
7        public function __construct(){
8            $this->db           = new Connection();
9            $this->connection = $this->db->get_connection();
10        }
11        public function list_konfirm_absensi($id_dosen){
12            $query = "SELECT DAYOFYEAR(tgl_waktu_absensi) as date, ROUND(
      COUNT(*) / 3 * 100, 2) as percent, date(tgl_waktu_absensi) as
      tgl_waktu, nama_mahasiswa, angkatan_mahasiswa, foto_mahasiswa,
      id_mahasiswa, id_intern, id_pembimbing_absensi, kelas_mahasiswa,
      kontak_mahasiswa, nama_pembimbing, nama_perusahaan_perusahaan
      FROM absensi INNER JOIN mahasiswa ON id_mahasiswa =
      id_mahasiswa_absensi INNER JOIN pembimbing_perusahaan ON
      id_pembimbing = id_pembimbing_absensi INNER JOIN intern ON
      id_intern_absensi = id_intern WHERE id_dosen_absensi = '$id_dosen
      ' AND status_absensi is not null AND (nilai_absensi is null OR
      nilai_absensi = 0) AND status_intern = 'berjalan' GROUP BY
      DAYOFYEAR(tgl_waktu_absensi) DESC ";
13            $result = mysqli_query($this->connection, $query);
14            if (mysqli_num_rows($result) > 0) {
15                $datas = array();
16                while ($row = mysqli_fetch_array($result)) {
17                    $datas[] = array(
18                        "persen" => $row['percent'],
19                        "tgl_waktu" => $row['tgl_waktu'],
20                        "nama" => $row['nama_mahasiswa'],
21                        "angkatan" => $row['angkatan_mahasiswa'],
22                        "foto" => $row['foto_mahasiswa'],
23                        "id_mahasiswa" => $row['id_mahasiswa'],
24                        "id_intern" => $row['id_intern'],
25                        "id_pembimbing" => $row['id_pembimbing_absensi'],
26                        "kelas_mahasiswa" => $row['kelas_mahasiswa'],
27                        "kontak_mahasiswa" => $row['kontak_mahasiswa'],
28                        "nama_pembimbing" => $row['nama_pembimbing'],
29                        "nama_perusahaan" => $row['
      nama_perusahaan_perusahaan'],
30                    );
31                }
32                $json['status'] = 200;
33                $json['message'] = 'Berhasil mengambil konfirmasi';
34                $json['data'] = $datas;
```

```
35              echo json_encode ($json);
36              mysqli_close ($this->connection);
37         } elseif (mysqli_num_rows ($result) == 0) {
38              $json['status'] = 300;
39              $json['message'] = 'Konfirmasi tidak ada';
40              echo json_encode ($json);
41              mysqli_close ($this->connection);
42         } else {
43              $json['status'] = 400;
44              $json['message'] = 'Gagal mengambil konfirmasi';
45              echo json_encode ($json);
46              mysqli_close ($this->connection);
47         }
48    }
49    public function detail_konfirm_absensi ($id_dosen, $id_intern,
      $id_mahasiswa, $id_pembimbing, $tgl){
50         $query = "SELECT tgl_waktu_absensi as tgl_waktu, foto_absensi
      , catatan_absensi, nama_kegiatan, id_absensi FROM absensi INNER
      JOIN mahasiswa ON id_mahasiswa = id_mahasiswa_absensi INNER JOIN
      pembimbing_perusahaan ON id_pembimbing = id_pembimbing_absensi
      INNER JOIN kegiatan ON id_kegiatan = id_kegiatan_absensi WHERE
      id_dosen_absensi = '$id_dosen' AND id_mahasiswa = '$id_mahasiswa'
       AND id_intern_absensi = '$id_intern' AND status_absensi is not
      null AND DATE(tgl_waktu_absensi) = '$tgl' AND (nilai_absensi is
      null OR nilai_absensi = 0) ";
51         $result = mysqli_query ($this->connection, $query);
52         if (mysqli_num_rows ($result) > 0) {
53              $datas = array();
54              while ($row = mysqli_fetch_array ($result)) {
55                  $datas[] = array(
56                      "tgl_waktu" => $row['tgl_waktu'],
57                      "foto_absensi" => $row['foto_absensi'],
58                      "catatan_absensi" => $row['catatan_absensi'],
59                      "nama_kegiatan" => $row['nama_kegiatan'],
60                      "id_absensi" => $row['id_absensi']
61                  );
62              }
63              $json['status'] = 200;
64              $json['message'] = 'Berhasil mengambil konfirmasi';
65              $json['data'] = $datas;
66              echo json_encode ($json);
67              mysqli_close ($this->connection);
68         } elseif (mysqli_num_rows ($result) == 0) {
69              $json['status'] = 300;
70              $json['message'] = 'Konfirmasi tidak ada';
71              echo json_encode ($json);
72              mysqli_close ($this->connection);
73         } else {
74              $json['status'] = 400;
75              $json['message'] = 'Gagal mengambil konfirmasi';
76              echo json_encode ($json);
77              mysqli_close ($this->connection);
78         }
79    }
80    public function konfirm_absensi ($id_intern, $id_pembimbing,
      $id_mahasiswa, $id_dosen, $nilai, $tgl){
```

```
81          $query1 = "UPDATE absensi SET nilai_absensi='$nilai' WHERE
        id_pembimbing_absensi='$id_pembimbing' AND id_mahasiswa_absensi='
        $id_mahasiswa' AND id_intern_absensi='$id_intern' AND DATE(
        tgl_waktu_absensi) = '$tgl' AND id_dosen_absensi ='$id_dosen'";
82          $result1 = mysqli_query($this->connection, $query1);
83          if ($this->connection->affected_rows > 0 && $result1) {
84              $json['status']  = 200;
85              $json['message'] = 'Absensi berhasil dikonfirmasi';
86              echo json_encode($json);
87              mysqli_close($this->connection);
88          } else {
89              $json['status']  = 400;
90              $json['message'] = 'Absensi gagal dikonfirmasi';
91              echo json_encode($json);
92              mysqli_close($this->connection);
93          }
94      }
95      public function list_mahasiswa($id_dosen){
96          $query  = "SELECT id_mahasiswa, nama_perusahaan_perusahaan,
        lama_internship, nama_mahasiswa, foto_mahasiswa,
        angkatan_mahasiswa, foto_perusahaan, kelas_mahasiswa,
        foto_mahasiswa, nama_prodi, nama_pembimbing,
        lat_pembimbing_perusahaan, long_pembimbing_perusahaan, id_intern,
         (select COUNT( id_mahasiswa_absensi) from absensi where
        status_absensi is not null AND id_mahasiswa_absensi =
        id_mahasiswa ) as jumlah_absensi FROM detail_intern INNER JOIN
        intern ON detail_intern.id_intern_dt_intern = intern.id_intern
        INNER JOIN pembimbing_perusahaan ON detail_intern.
        id_pembimbing_dt_intern = pembimbing_perusahaan.id_pembimbing
        INNER JOIN mahasiswa ON detail_intern.id_mahasiswa_dt_intern =
        mahasiswa.id_mahasiswa INNER JOIN prodi ON mahasiswa.
        id_prodi_mahasiswa= prodi.id_prodi WHERE id_dosen_dt_intern = '
        $id_dosen' AND status_intern = 'berjalan'";
97          $result = mysqli_query($this->connection, $query);
98          $result2 = mysqli_query($this->connection, $query);
99          $rows  = mysqli_fetch_array($result2);
100         if (mysqli_num_rows($result) > 0 && $rows['id_mahasiswa'] !=
        null) {
101                 $datas = array();
102                 while ($row  = mysqli_fetch_array($result)) {
103                 $datas[] =  array(
104                     "id_intern" => $row['id_intern'],
105                     "id_mahasiswa" => $row['id_mahasiswa'],
106                     "nama_perusahaan" => ucwords($row['
        nama_perusahaan_perusahaan']),
107                     "nama_mahasiswa" => ucwords($row['nama_mahasiswa'
        ]),
108                     "foto_mahasiswa" => $row['foto_mahasiswa'],
109                     "angkatan_mahasiswa" => $row['angkatan_mahasiswa'
        ],
110                     "foto_perusahaan" => $row['foto_perusahaan'],
111                     "kelas_mahasiswa" => strtoupper($row['
        kelas_mahasiswa']),
112                     "foto_mahasiswa" => $row['foto_mahasiswa'],
113                     "nama_prodi" => ucwords($row['nama_prodi']),
```

```
114                         "nama_pembimbing" => ucwords($row['
       nama_pembimbing']),
115                         "latitude_perusahaan" => $row['
       lat_pembimbing_perusahaan'],
116                         "longitude_perusahaan" => $row['
       long_pembimbing_perusahaan'],
117                         "presentase_internship" => round($row['
       jumlah_absensi']/$row['lama_internship']*100,1)
118                     );
119                 }
120                 $json['status']  = 200;
121                 $json['message'] = 'Berhasil mengambil mahasiswa';
122                 $json['data']    = $datas;
123                 echo json_encode($json);
124                 mysqli_close($this->connection);
125             } elseif (mysqli_num_rows($result) || 0 && $rows['
       id_mahasiswa'] == null) {
126                 $json['status']  = 300;
127                 $json['message'] = 'Mahasiswa tidak ada';
128                 echo json_encode($json);
129                 mysqli_close($this->connection);
130             } else {
131                 $json['status']  = 400;
132                 $json['message'] = 'Gagal mengambil mahasiswa';
133                 echo json_encode($json);
134                 mysqli_close($this->connection);
135             }
136         }
137         public function login_dosen($user, $pass){
138             $query = "SELECT username, password, id_dosen, nama_dosen,
       foto_dosen, id_intern, nama_prodi, kontak_dosen FROM user INNER
       JOIN dosen ON user.id_user = dosen.id_dosen INNER JOIN
       detail_intern ON user.id_user = detail_intern.id_dosen_dt_intern
       INNER JOIN intern ON detail_intern.id_intern_dt_intern = intern.
       id_intern INNER JOIN prodi ON dosen.id_prodi_dosen = prodi.
       id_prodi WHERE username = '$user' AND password = '$pass' AND
       status_user='aktif' AND role_user='dosen'";
139             $result = mysqli_query($this->connection, $query);
140             $row    = mysqli_fetch_array($result);
141             if (mysqli_num_rows($result) > 0) {
142                 $data = array(
143                     "username" => $row['username'],
144                     "password" => $row['password'],
145                     "id_dosen" => $row['id_dosen'],
146                     "nama_dosen" => ucwords($row['nama_dosen']),
147                     "foto_dosen" => $row['foto_dosen'],
148                     "nama_prodi" => ucwords($row['nama_prodi']),
149                     "kontak_dosen" => $row['kontak_dosen']
150                 );
151                 $json['status']  = 200;
152                 $json['message'] = 'Berhasil melakukan login';
153                 $json['data']    = $data;
154                 echo json_encode($json);
155                 mysqli_close($this->connection);
156             } elseif (mysqli_num_rows($result) == 0) {
157                 $json['status']  = 300;
```

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158                 $json['message'] = 'Username atau password salah';
159                 echo json_encode($json);
160                 mysqli_close($this->connection);
161         } else {
162                 $json['status'] = 400;
163                 $json['message'] = 'Gagal melakukan login';
164                 echo json_encode($json);
165                 mysqli_close($this->connection);
166         }
167     }
168     public function progress_mahasiswa($id_intern, $id_mahasiswa,
        $sort){
169         $query = "SET @rank=0;";
170         mysqli_query($this->connection, $query);
171         switch ($sort) {
172             case 'hari':
173             $query1 = "SELECT @rank:=@rank+1 AS rank, DAYOFYEAR(
        tgl_waktu_absensi) as date, ROUND(COUNT(*) / 3 * 100, 2) as
        percent, date(tgl_waktu_absensi) as tgl_waktu, status_absensi
        FROM absensi WHERE id_intern_absensi='$id_intern' AND
        id_mahasiswa_absensi = '$id_mahasiswa' AND status_absensi is not
        null GROUP BY DAYOFYEAR(tgl_waktu_absensi) ORDER BY rank ASC";
174             $result1 = mysqli_query($this->connection, $query1);
175             if (mysqli_num_rows($result1) > 0) {
176                 $datas = array();
177                 while ($row = mysqli_fetch_array($result1)) {
178                     $datas[] = array(
179                     "sort" => "Hari ke-".$row['rank'],
180                     "persen" => $row['percent'],
181                     "tgl_waktu" => $row['tgl_waktu'],
182                     "id_mahasiswa"=>$id_mahasiswa,
183                     "id_intern"=>$id_intern
184                 );
185                 }
186                 $json['status'] = 201;
187                 $json['message'] = 'Berhasil mengambil progress';
188                 $json['data'] = $datas;
189                 echo json_encode($json);
190                 mysqli_close($this->connection);
191         } elseif (mysqli_num_rows($result1) == 0) {
192                 $json['status'] = 300;
193                 $json['message'] = 'Progress tidak ada';
194                 echo json_encode($json);
195                 mysqli_close($this->connection);
196         } else {
197                 $json['status'] = 400;
198                 $json['message'] = 'Gagal mengambil progress';
199                 echo json_encode($json);
200                 mysqli_close($this->connection);
201         }
202             break;
203             case 'minggu':
204             $query2 = "
205             SELECT @rank:=@rank+1 AS rank, WEEK(tgl_waktu_absensi,1)
        as week, ROUND(COUNT(*) / 15 * 100, 2) as percent, status_absensi
        FROM absensi WHERE id_intern_absensi='$id_intern' AND
```

```
        id_mahasiswa_absensi = '$id_mahasiswa' AND status_absensi is not
        null GROUP BY WEEK(tgl_waktu_absensi) ORDER BY rank ASC";
206             $result2 = mysqli_query($this->connection, $query2);
207             if (mysqli_num_rows($result2) > 0) {
208                 $datas = array();
209                 while ($row = mysqli_fetch_array($result2)) {
210                     $datas[] = array(
211                     "sort" => "Minggu ke-".$row['rank'],
212                     "persen" => $row['percent']
213                     );
214                 }
215                 $json['status'] = 202;
216                 $json['message'] = 'Berhasil mengambil progress';
217                 $json['data'] = $datas;
218                 echo json_encode($json);
219                 mysqli_close($this->connection);
220             } elseif (mysqli_num_rows($result2) == 0) {
221                 $json['status'] = 300;
222                 $json['message'] = 'Progress tidak ada';
223                 echo json_encode($json);
224                 mysqli_close($this->connection);
225             } else {
226                 $json['status'] = 400;
227                 $json['message'] = 'Gagal mengambil progress';
228                 echo json_encode($json);
229                 mysqli_close($this->connection);
230             }
231             break;
232             case 'bulan':
233                 $query3 = "
234                 SELECT @rank:=@rank+1 AS rank, MONTH(
        tgl_waktu_absensi) as month, ROUND(COUNT(*) / 66 * 100, 2) as
        percent, date(tgl_waktu_absensi) as tgl_waktu FROM absensi WHERE
        id_intern_absensi='$id_intern' AND id_mahasiswa_absensi = '
        $id_mahasiswa' AND status_absensi is not null GROUP BY DAYOFYEAR(
        tgl_waktu_absensi) ORDER BY rank ASC";
235                 $result3 = mysqli_query($this->connection, $query3);
236                 if (mysqli_num_rows($result3) > 0) {
237                     $datas = array();
238                     while ($row = mysqli_fetch_array($result3)) {
239                         $datas[] = array(
240                             "sort" => "Bulan ke-".$row['rank'],
241                             "persen" => $row['percent']
242                         );
243                     }
244                     $json['status'] = 203;
245                     $json['message'] = 'Berhasil mengambil progress';
246                     $json['data'] = $datas;
247                     echo json_encode($json);
248                     mysqli_close($this->connection);
249                 } elseif (mysqli_num_rows($result3) == 0) {
250                     $json['status'] = 300;
251                     $json['message'] = 'Progress tidak ada';
252                     echo json_encode($json);
253                     mysqli_close($this->connection);
254                 } else {
```

```php
255                     $json['status']   = 400;
256                     $json['message'] = 'Gagal mengambil progress';
257                     echo json_encode($json);
258                     mysqli_close($this->connection);
259                 }
260             break;
261             }
262         }
263     public function progress_mahasiswa_perhari($id_intern,
        $id_mahasiswa, $tgl){
264         $query  = "SELECT id_absensi, tgl_waktu_absensi,
        nama_kegiatan, foto_absensi, pergeseran_absensi, status_absensi
        FROM absensi INNER JOIN detail_absensi ON absensi.id_absensi =
        detail_absensi.id_absensi_dt_absensi INNER JOIN kegiatan ON
        absensi.id_kegiatan_absensi = kegiatan.id_kegiatan WHERE
        id_intern_absensi ='$id_intern' AND id_mahasiswa_absensi ='
        $id_mahasiswa' AND DATE(tgl_waktu_absensi) = '$tgl' AND
        status_absensi is not null";
265         $result = mysqli_query($this->connection, $query);
266         if (mysqli_num_rows($result) > 0) {
267             $datas = array();
268             while ($row = mysqli_fetch_array($result)) {
269                 $datas[] = array(
270                     "id_absensi" => $row['id_absensi'],
271                     "tgl_waktu" => $row['tgl_waktu_absensi'],
272                     "kegiatan" => ucfirst($row['nama_kegiatan']),
273                     "foto_absensi" => $row['foto_absensi'],
274                     "pergeseran" => $row['pergeseran_absensi']." M"
275                 );
276             }
277             $json['status']   = 200;
278             $json['message'] = 'Berhasil mengambil progress harian';
279             $json['data']    = $datas;
280             echo json_encode($json);
281             mysqli_close($this->connection);
282         } elseif (mysqli_num_rows($result) == 0) {
283             $json['status']   = 300;
284             $json['message'] = 'Progress harian tidak ada';
285             echo json_encode($json);
286             mysqli_close($this->connection);
287         } else {
288             $json['status']   = 400;
289             $json['message'] = 'Gagal mengambil progress harian';
290             echo json_encode($json);
291             mysqli_close($this->connection);
292         }
293     }
294     public function list_notifikasi($id_dosen){
295         $query = "SELECT id_intern, nama_mahasiswa, nama_pembimbing,
        nama_perusahaan_perusahaan, pesan_notifikasi,
        tgl_waktu_notifikasi FROM notifikasi INNER JOIN
        pembimbing_perusahaan ON id_pembimbing = id_pembimbing_notifikasi
         INNER JOIN mahasiswa ON id_mahasiswa = id_mahasiswa_notifikasi
        INNER JOIN intern ON id_intern = id_intern_notifikasi WHERE
        id_dosen_notifikasi='$id_dosen' AND status_intern='berjalan'
        ORDER BY tgl_waktu_notifikasi DESC ";
```

```
296            $result = mysqli_query($this->connection, $query);
297            if (mysqli_num_rows($result) > 0) {
298                $datas = array();
299                $kalimat1 = "melakukan absensi pada";
300                $kalimat2 = "mengkonfirmasi absensi";
301                $kalimat3 = "mendaftar ke perusahaan";
302                $kalimat4 = "mengkonfirmasi pendaftaran";
303                while ($row = mysqli_fetch_array($result)) {
304                    $pesan = "";
305                    if(preg_match("~\b".$row['pesan_notifikasi']."\b~",
        $kalimat1)){
306                        $pesan = ucwords($row['nama_mahasiswa'])." ".$row
        ['pesan_notifikasi'];
307                    }elseif(preg_match("~\b".$row['pesan_notifikasi']."\b
        ~",$kalimat2)){
308                        $pesan = ucwords($row['nama_pembimbing'])." ".
        $row['pesan_notifikasi']." ".ucwords($row['nama_mahasiswa'])."
        pada";
309                    }elseif(preg_match("~\b".$row['pesan_notifikasi']."\b
        ~",$kalimat3)){
310                        $pesan = ucwords(($row['nama_mahasiswa']))." ".
        $row['pesan_notifikasi']." ".ucwords($row['
        nama_perusahaan_perusahaan'])." pada";
311                    }elseif(preg_match("~\b".$row['pesan_notifikasi']."\b
        ~",$kalimat4)){
312                        $pesan = ucwords($row['nama_pembimbing'])." ".
        $row['pesan_notifikasi']." ".ucwords($row['nama_mahasiswa'])."
        pada";
313                    }
314                    $datas[] = array(
315                        "id_intern" => $row['id_intern'],
316                        "pesan" => $pesan." ".date_format(date_create(
        $row['tgl_waktu_notifikasi']), 'd F Y \p\u\k\u\l G:i A'),
317                        "tgl_waktu" => $row['tgl_waktu_notifikasi']
318                    );
319
320                }
321                $json['status'] = 200;
322                $json['message'] = 'Berhasil mengambil notifikasi';
323                $json['data'] = $datas;
324                echo json_encode($json);
325                mysqli_close($this->connection);
326            } elseif (mysqli_num_rows($result) == 0) {
327                $json['status'] = 300;
328                $json['message'] = 'Notifikasi tidak ada';
329                echo json_encode($json);
330                mysqli_close($this->connection);
331            } else {
332                $json['status'] = 400;
333                $json['message'] = 'Gagal mengambil notifikasi';
334                echo json_encode($json);
335                mysqli_close($this->connection);
336            }
337        }
338        public function ubah_username($id_dosen, $username){
```

```php
339          $query = "UPDATE user SET username='$username' WHERE id_user
      ='$id_dosen'";
340          $result = mysqli_query($this->connection, $query);
341          if ($this->connection->affected_rows > 0 && $result) {
342              $json['status']  = 200;
343              $json['message'] = 'Username berhasil diubah';
344              echo json_encode($json);
345              mysqli_close($this->connection);
346          } else {
347              $json['status']  = 400;
348              $json['message'] = 'Username gagal diubah';
349              echo json_encode($json);
350              mysqli_close($this->connection);
351          }
352      }
353      public function ubah_nama($id_dosen, $nama){
354          $query = "UPDATE dosen SET nama_dosen='$nama' WHERE id_dosen
      ='$id_dosen'";
355          $result = mysqli_query($this->connection, $query);
356          if ($this->connection->affected_rows > 0 && $result) {
357              $json['status']  = 200;
358              $json['message'] = 'Nama berhasil diubah';
359              echo json_encode($json);
360              mysqli_close($this->connection);
361          } else {
362              $json['status']  = 400;
363              $json['message'] = 'Nama berhasil diubah';
364              echo json_encode($json);
365              mysqli_close($this->connection);
366          }
367      }
368      public function ubah_kontak($id_dosen, $kontak){
369          $query = "UPDATE dosen SET kontak_dosen='$kontak' WHERE
      id_dosen='$id_dosen'";
370          $result = mysqli_query($this->connection, $query);
371          if ($this->connection->affected_rows > 0 && $result) {
372              $json['status']  = 200;
373              $json['message'] = 'Kontak berhasil diubah';
374              echo json_encode($json);
375              mysqli_close($this->connection);
376          } else {
377              $json['status']  = 400;
378              $json['message'] = 'Kontak gagal diubah';
379              echo json_encode($json);
380              mysqli_close($this->connection);
381          }
382      }
383      public function ubah_foto($id_dosen, $foto){
384          $query = "UPDATE dosen SET foto_dosen='$foto' WHERE id_dosen
      ='$id_dosen'";
385          $result = mysqli_query($this->connection, $query);
386          if ($this->connection->affected_rows > 0 && $result) {
387              $json['status']  = 200;
388              $json['message'] = 'Foto berhasil diubah';
389              echo json_encode($json);
390              mysqli_close($this->connection);
```

```
391                        return true;
392                   } else {
393                        $json['status']  = 400;
394                        $json['message'] = 'Foto gagal diubah';
395                        echo json_encode($json);
396                        mysqli_close($this->connection);
397                        return false;
398                   }
399              }
400         public function ubah_password($id_dosen, $password){
401              $query = "UPDATE user SET password='$password' WHERE id_user
           ='$id_dosen'";
402              $result = mysqli_query($this->connection, $query);
403              if ($this->connection->affected_rows > 0 && $result) {
404                   $json['status']  = 200;
405                   $json['message'] = 'Password berhasil diubah';
406                   echo json_encode($json);
407                   mysqli_close($this->connection);
408              } else {
409                   $json['status']  = 400;
410                   $json['message'] = 'Password gagal diubah';
411                   echo json_encode($json);
412                   mysqli_close($this->connection);
413              }
414         }
415 }
```

Kemudian tambahkan script berikut di file dosen_detail_konfirmasi.php pada folder
dosen.

```
1  <?php
2  include('dosen.php');
3  header('Content-Type: application/json');
4  $d = new Dosen();
5  if (isset($_POST['id_intern'], $_POST['id_pembimbing'], $_POST['
       id_mahasiswa'], $_POST['id_dosen'], $_POST['tgl'])) {
6       $id_intern = $_POST['id_intern'];
7       $id_pembimbing = $_POST['id_pembimbing'];
8       $id_mahasiswa = $_POST['id_mahasiswa'];
9       $id_dosen = $_POST['id_dosen'];
10      $tgl = $_POST['tgl'];
11      if (!empty($id_intern) && !empty($id_pembimbing) && !empty(
       $id_mahasiswa) && !empty($id_dosen) && !empty($tgl)) {
12           $d->detail_konfirm_absensi($id_dosen, $id_intern,
       $id_mahasiswa, $id_pembimbing, $tgl);
13      } else {
14           $json['status']  = 100;
15           $json['message'] = 'Field tidak boleh kosong';
16           echo json_encode($json);
17      }
18 } else {
19      $json['status']  = 100;
20      $json['message'] = 'Field tidak boleh kosongs';
21      echo json_encode($json);
22 }
```

Selanjutnya tambahkan script berikut di file dosen_konfirmasi.php pada folder dosen.

```php
<?php
include('dosen.php');
header('Content-Type: application/json');
$d = new Dosen();
if (isset($_POST['id_intern'], $_POST['id_pembimbing'], $_POST['
    id_mahasiswa'], $_POST['id_dosen'], $_POST['nilai'], $_POST['tgl'
    ])) {
    $id_intern = $_POST['id_intern'];
    $id_pembimbing = $_POST['id_pembimbing'];
    $id_mahasiswa = $_POST['id_mahasiswa'];
    $id_dosen = $_POST['id_dosen'];
    $nilai = $_POST['nilai'];
    $tgl = $_POST['tgl'];
    if (!empty($id_intern) && !empty($id_pembimbing) && !empty(
    $id_mahasiswa) && !empty($id_dosen) && !empty($nilai) && !empty(
    $tgl)) {
        $d->konfirm_absensi($id_intern, $id_pembimbing, $id_mahasiswa
    , $id_dosen, $nilai, $tgl);
    } else {
        $json['status']  = 100;
        $json['message'] = 'Field tidak boleh kosongs';
        echo json_encode($json);
    }
} else {
    $json['status']  = 100;
    $json['message'] = 'Field tidak boleh kosong';
    echo json_encode($json);
}
```

Setelah itu, tambahkan script berikut di file dosen_list_konfirmasi.php pada folder
dosen.

```php
<?php
include('dosen.php');
header('Content-Type: application/json');
$d = new Dosen();
if (isset($_POST['id_dosen'])) {
    $id_dosen = $_POST['id_dosen'];
    if (!empty($id_dosen)) {
        $d->list_konfirm_absensi($id_dosen);
    } else {
        $json['status']  = 100;
        $json['message'] = 'Field tidak boleh kosongx';
        echo json_encode($json);
    }
} else {
    $json['status']  = 100;
    $json['message'] = 'Field tidak boleh kosongs';
    echo json_encode($json);
}
```

Kemudian tambahkan script berikut di file dosen_login.php pada folder dosen.

```php
<?php
include('dosen.php');
header('Content-Type: application/json');
$d = new Dosen();
```

```php
5  if (isset($_POST['username'], $_POST['password'])) {
6      $user = $_POST['username'];
7      $pass = $_POST['password'];
8      if (!empty($user) && !empty($pass)) {
9          $d->login_dosen($user, $pass);
10     } else {
11         $json['status']  = 100;
12         $json['message'] = 'Field tidak boleh kosong';
13         echo json_encode($json);
14     }
15 }
16 ?>
```

Selanjutnya tambahkan script berikut di file dosen_mahasiswa.php pada folder dosen.

```php
1  <?php
2  include('dosen.php');
3  header('Content-Type: application/json');
4  $d = new Dosen();
5  if (isset($_POST['id_dosen'])) {
6      $id_dosen = $_POST['id_dosen'];
7      if (!empty($id_dosen)) {
8          $d->list_mahasiswa($id_dosen);
9      } else {
10         $json['status']  = 100;
11         $json['message'] = 'Field tidak boleh kosong';
12         echo json_encode($json);
13     }
14 } else {
15         $json['status']  = 100;
16         $json['message'] = 'Field tidak boleh kosong';
17         echo json_encode($json);
18     }
19 ?>
```

Setelah itu, tambahkan script berikut di file dosen_notifikasi.php pada folder dosen.

```php
1  <?php
2  include('dosen.php');
3  header('Content-Type: application/json');
4  $d = new Dosen();
5  if (isset($_POST['id_dosen'])) {
6      $id_dosen = $_POST['id_dosen'];
7      if (!empty($id_dosen)) {
8          $d->list_notifikasi($id_dosen);
9      } else {
10         $json['status']  = 100;
11         $json['message'] = 'Field tidak boleh kosong';
12         echo json_encode($json);
13     }
14 } else {
15         $json['status']  = 100;
16         $json['message'] = 'Field tidak boleh kosong';
17         echo json_encode($json);
18     }
19 ?>
```

Kemudian tambahkan script berikut di file dosen_progress_harian.php pada folder dosen.

```php
<?php
include('dosen.php');
header('Content-Type: application/json');
$d = new Dosen();
if (isset($_POST['id_intern'], $_POST['id_mahasiswa'], $_POST['tgl'])
    ) {
    $id_intern = $_POST['id_intern'];
    $id_mahasiswa = $_POST['id_mahasiswa'];
    $tgl = $_POST['tgl'];
    if (!empty($id_intern) && !empty($id_mahasiswa) && !empty($tgl))
    {
        $d->progress_mahasiswa_perhari($id_intern, $id_mahasiswa,
    $tgl);
    } else {
        $json['status']  = 100;
        $json['message'] = 'Field tidak boleh kosong';
        echo json_encode($json);
    }
}
```

Selanjutnya tambahkan script berikut di file dosen_progress.php pada folder dosen.

```php
<?php
include('dosen.php');
header('Content-Type: application/json');
$d = new Dosen();
if (isset($_POST['id_intern'], $_POST['id_mahasiswa'], $_POST['sort'
    ])) {
    $id_intern = $_POST['id_intern'];
    $id_mahasiswa = $_POST['id_mahasiswa'];
    $sort = $_POST['sort'];
    if (!empty($id_intern) && !empty($id_mahasiswa) && !empty($sort))
     {
        $d->progress_mahasiswa($id_intern, $id_mahasiswa, $sort);
    } else {
        $json['status']  = 100;
        $json['message'] = 'Field tidak boleh kosong';
        echo json_encode($json);
    }
}
```

Setelah itu, tambahkan script berikut di file dosen_ubah.php pada folder dosen.

```php
<?php
include('dosen.php');
header('Content-Type: application/json');
$d = new Dosen();
$id_dosen = $_POST['id_dosen'];
if (isset($_POST['username'])) $username = $_POST['username'];
if (isset($_POST['nama'])) $nama = $_POST['nama'];
if (isset($_POST['kontak'])) $kontak = $_POST['kontak'];
if (isset($_POST['password'])) $password = $_POST['password'];
if (isset($_FILES['foto']['name'])){
    $foto = $_FILES['foto']['name'];
    $temp_foto = $_FILES['foto']['tmp_name'];
```

```
13        $dir_dosen = "../images/dosen/";
14 }
15 if (!empty($id_dosen) && !empty($username)) {
16        $d->ubah_username($id_dosen, $username);
17 } elseif (!empty($id_dosen) && !empty($nama)) {
18        $d->ubah_nama($id_dosen, $nama);
19 } elseif (!empty($id_dosen) && !empty($kontak)) {
20        $d->ubah_kontak($id_dosen, $kontak);
21 } elseif (!empty($id_dosen) && !empty($password)) {
22        $d->ubah_password($id_dosen, $password);
23 } elseif (!empty($id_dosen) && !empty($foto)){
24        $result = $d->ubah_foto($id_dosen, $foto);
25        if ($result) {
26              $upload = move_uploaded_file($temp_foto, $dir_dosen.$foto);
27              if (!$upload) {
28                    $json['status']  = 400;
29                    $json['message'] = 'Gambar gagal terupload';
30                    echo json_encode($json);
31              }
32        }
33 } else {
34        $json['status']  = 100;
35        $json['message'] = 'Field tidak boleh kosong';
36        echo json_encode($json);
37 }
```

Kemudian tambahkan script berikut di file mahasiswa.php pada folder mahasiswa.

```
1 <?php
2 include ('../conn.php');
3 header('Content-Type: application/json');
4 class Mahasiswa{
5        private $db;
6        private $connection;
7        public function __construct(){
8              $this->db = new Connection();
9              $this->connection = $this->db->get_connection();
10       }
11       public function ambil_absensi($id_intern, $id_mahasiswa,
       $id_dosen, $latitude_absensi, $longitude_absensi, $imei_perangkat
       , $id_kegiatan, $foto_absensi, $tgl_waktu, $id_pembimbing,
       $catatan){
12             $query1 = "INSERT INTO absensi(id_intern_absensi,
       id_mahasiswa_absensi, id_dosen_absensi, latitude_absensi,
       longitude_absensi, imei_perangkat_absensi, id_kegiatan_absensi,
       foto_absensi, tgl_waktu_absensi, id_pembimbing_absensi,
       catatan_absensi) VALUES ('$id_intern', '$id_mahasiswa', '
       $id_dosen', '$latitude_absensi', '$longitude_absensi', '
       $imei_perangkat', '$id_kegiatan', '$foto_absensi', '$tgl_waktu',
       $id_pembimbing, '$catatan')";
13             $tgl_waktu = date("Y-m-d h:i:s");
14             $query2 = "INSERT INTO notifikasi(id_intern_notifikasi,
       id_mahasiswa_notifikasi, id_dosen_notifikasi,
       id_pembimbing_notifikasi, pesan_notifikasi, tgl_waktu_notifikasi)
        VALUES ('$id_intern', '$id_mahasiswa', '$id_dosen', '
       $id_pembimbing', 'melakukan absensi pada', '$tgl_waktu')";
15             $result1 = mysqli_query($this->connection, $query1);
```

```php
16            $result2 = mysqli_query($this->connection, $query2);
17            if ($result1 && $result2){
18                $json['status'] = 200;
19                $json['message'] = 'Berhasil melakukan absensi';
20                echo json_encode($json);
21                mysqli_close($this->connection);
22                return true;
23            }else{
24                $json['status'] = 400;
25                $json['message'] = 'Gagal melakukan absensi';
26                echo json_encode($json);
27                mysqli_close($this->connection);
28                return false;
29            }
30        }
31        public function list_kegiatan(){
32            $query = "SELECT * FROM kegiatan";
33            $result = mysqli_query($this->connection, $query);
34            if (mysqli_num_rows($result) > 0) {
35                $datas = array();
36                while ($row = mysqli_fetch_array($result)){
37                    $datas[] = array(
38                        "id_kegiatan" => $row['id_kegiatan'],
39                        "nama_kegiatan" => $row['nama_kegiatan']
40                    );
41                }
42                $json['status'] = 200;
43                $json['message'] = 'Berhasil mengambil data';
44                $json['data'] = $datas;
45                echo json_encode($json);
46                mysqli_close($this->connection);
47            }else{
48                $json['status'] = 400;
49                $json['message'] = 'Gagal mengambil data';
50                echo json_encode($json);
51                mysqli_close($this->connection);
52            }
53        }
54        public function list_pembimbing(){
55            $query = "SELECT * FROM pembimbing_perusahaan";
56            $result = mysqli_query($this->connection, $query);
57            if (mysqli_num_rows($result) > 0){
58                $datas = array();
59                while ($row = mysqli_fetch_array($result)){
60                    $datas[] = array(
61                        "id_pembimbing" => $row['id_pembimbing'],
62                        "nama_pembimbing" => $row['nama_pembimbing'],
63                        "nama_perusahaan" => $row['
    nama_perusahaan_perusahaan']
64                    );
65                }
66                $json['status'] = 200;
67                $json['message'] = 'Berhasil mengambil data';
68                $json['data'] = $datas;
69                echo json_encode($json);
70                mysqli_close($this->connection);
```

```
71              } e l s e {
72                  $json ['status'] = 400;
73                  $json ['message'] = 'Gagal mengambil data';
74                  echo json_encode ($json);
75                  mysqli_close ($this->connection);
76              }
77          }
78          public function get_distance ($id_pembimbing){
79              $query = "SELECT lat_pembimbing_perusahaan,
            long_pembimbing_perusahaan FROM pembimbing_perusahaan WHERE
            id_pembimbing = '".$id_pembimbing."'";
80              $result = mysqli_query ($this->connection, $query);
81              $row = mysqli_fetch_array ($result);
82              $data = array (
83                  "lat" => $row ['lat_pembimbing_perusahaan'],
84                  "lon" => $row ['long_pembimbing_perusahaan']
85              );
86              if ($result){
87                  return $data;
88              } e l s e {
89                  return false;
90              }
91          }
92          public function registrasi_perusahaan ($id_intern, $id_mahasiswa,
            $id_pembimbing, $latitude_perusahaan, $longitude_perusahaan,
            $foto_perusahaan, $id_dosen){
93              $query1 = "UPDATE detail_intern SET id_pembimbing_dt_intern='
            $id_pembimbing', latitude_perusahaan='$latitude_perusahaan',
            longitude_perusahaan='$longitude_perusahaan', foto_perusahaan='
            $foto_perusahaan' WHERE id_intern_dt_intern = '$id_intern' AND
            id_mahasiswa_dt_intern ='$id_mahasiswa' ";
94              $tgl_waktu = date ("Y-m-d h:i:s");
95              $query2 = "INSERT INTO notifikasi (id_intern_notifikasi,
            id_mahasiswa_notifikasi, id_dosen_notifikasi,
            id_pembimbing_notifikasi, pesan_notifikasi, tgl_waktu_notifikasi)
             VALUES ('$id_intern', '$id_mahasiswa', '$id_dosen', '
            $id_pembimbing', 'mendaftar ke perusahaan', '$tgl_waktu')";
96              $result1 = mysqli_query ($this->connection, $query1);
97              $result2 = mysqli_query ($this->connection, $query2);
98              if ($this->connection->affected_rows > 0 && $result1  &&
            $result2) {
99                  $json ['status'] = 200;
100                 $json ['message'] = 'Berhasil melakukan registrasi
            perusahaan';
101                 echo json_encode ($json);
102                 mysqli_close ($this->connection);
103                 return true;
104             } e l s e {
105                 $json ['status'] = 400;
106                 $json ['message'] = 'Gagal melakukan registrasi perusahaan
            ';
107                 echo json_encode ($json);
108                 mysqli_close ($this->connection);
109                 return false;
110             }
111         }
```

```
112     public function progress_mahasiswa($id_intern, $id_mahasiswa,
        $sort){
113         $query   = "SET @rank=0;";
114         mysqli_query($this->connection, $query);
115         switch ($sort) {
116             case 'hari':
117             $query1 = "SELECT @rank:=@rank+1 AS rank, DAYOFYEAR(
        tgl_waktu_absensi) as date, ROUND(COUNT(*) / 3 * 100, 2) as
        percent, date(tgl_waktu_absensi) as tgl_waktu, status_absensi
        FROM absensi WHERE id_intern_absensi='$id_intern' AND
        id_mahasiswa_absensi = '$id_mahasiswa' AND status_absensi is not
        null GROUP BY DAYOFYEAR(tgl_waktu_absensi) ORDER BY rank ASC";
118             $result1 = mysqli_query($this->connection, $query1);
119             if (mysqli_num_rows($result1) > 0) {
120                 $datas = array();
121                 while ($row = mysqli_fetch_array($result1)) {
122                     $datas[] =  array(
123                         "sort" => "Hari ke-".$row['rank'],
124                         "persen" => $row['percent'],
125                         "tgl_waktu" => $row['tgl_waktu'],
126                         "id_mahasiswa"=>$id_mahasiswa,
127                         "id_intern"=>$id_intern
128                     );
129                 }
130                 $json['status']  = 201;
131                 $json['message'] = 'Berhasil mengambil progress';
132                 $json['data']   = $datas;
133                 echo json_encode($json);
134                 mysqli_close($this->connection);
135             } elseif (mysqli_num_rows($result1) == 0) {
136                 $json['status']  = 300;
137                 $json['message'] = 'Progress tidak ada';
138                 echo json_encode($json);
139                 mysqli_close($this->connection);
140             } else {
141                 $json['status']  = 400;
142                 $json['message'] = 'Gagal mengambil progress';
143                 echo json_encode($json);
144                 mysqli_close($this->connection);
145             }
146             break;
147             case 'minggu':
148             $query2   = "
149             SELECT @rank:=@rank+1 AS rank, WEEK(tgl_waktu_absensi,1)
        as week, ROUND(COUNT(*) / 15 * 100, 2) as percent, status_absensi
        FROM absensi WHERE id_intern_absensi='$id_intern' AND
        id_mahasiswa_absensi = '$id_mahasiswa' AND status_absensi is not
        null GROUP BY WEEK(tgl_waktu_absensi) ORDER BY rank ASC";
150             $result2 = mysqli_query($this->connection, $query2);
151             if (mysqli_num_rows($result2) > 0) {
152                 $datas = array();
153                 while ($row = mysqli_fetch_array($result2)) {
154                     $datas[] =  array(
155                         "sort" => "Minggu ke-".$row['rank'],
156                         "persen" => $row['percent']
157                     );
```

```
158                         }
159                         $json['status']  = 202;
160                         $json['message'] = 'Berhasil mengambil progress';
161                         $json['data']    = $datas;
162                         echo json_encode($json);
163                         mysqli_close($this->connection);
164                 } elseif (mysqli_num_rows($result2) == 0) {
165                         $json['status']  = 300;
166                         $json['message'] = 'Progress tidak ada';
167                         echo json_encode($json);
168                         mysqli_close($this->connection);
169                 } else {
170                         $json['status']  = 400;
171                         $json['message'] = 'Gagal mengambil progress';
172                         echo json_encode($json);
173                         mysqli_close($this->connection);
174                 }
175                 break;
176                 case 'bulan':
177                     $query3  = "
178                     SELECT @rank:=@rank+1 AS rank, MONTH(
        tgl_waktu_absensi) as month, ROUND(COUNT(*) / 66 * 100, 2) as
        percent, date(tgl_waktu_absensi) as tgl_waktu FROM absensi WHERE
        id_intern_absensi='$id_intern' AND id_mahasiswa_absensi = '
        $id_mahasiswa' AND status_absensi is not null GROUP BY DAYOFYEAR(
        tgl_waktu_absensi) ORDER BY rank ASC";
179                     $result3 = mysqli_query($this->connection, $query3);
180                     if (mysqli_num_rows($result3) > 0) {
181                         $datas = array();
182                         while ($row = mysqli_fetch_array($result3)) {
183                             $datas[] =  array(
184                                 "sort" => "Bulan ke-".$row['rank'],
185                                 "persen" => $row['percent']
186                             );
187                         }
188                         $json['status']  = 203;
189                         $json['message'] = 'Berhasil mengambil progress';
190                         $json['data']    = $datas;
191                         echo json_encode($json);
192                         mysqli_close($this->connection);
193                     } elseif (mysqli_num_rows($result3) == 0) {
194                         $json['status']  = 300;
195                         $json['message'] = 'Progress tidak ada';
196                         echo json_encode($json);
197                         mysqli_close($this->connection);
198                     } else {
199                         $json['status']  = 400;
200                         $json['message'] = 'Gagal mengambil progress';
201                         echo json_encode($json);
202                         mysqli_close($this->connection);
203                     }
204                 break;
205             }
206         }
207         public function progress_mahasiswa_perhari($id_intern,
        $id_mahasiswa, $tgl){
```

```
208        $query = "SELECT tgl_waktu_absensi , nama_kegiatan ,
        foto_absensi , pergeseran_absensi , status_absensi FROM absensi
        INNER JOIN detail_absensi ON absensi.id_absensi = detail_absensi.
        id_absensi_dt_absensi INNER JOIN kegiatan ON absensi.
        id_kegiatan_absensi = kegiatan.id_kegiatan WHERE
        id_intern_absensi ='$id_intern ' AND id_mahasiswa_absensi ='
        $id_mahasiswa' AND DATE('tgl_waktu_absensi ') = '$tgl' AND
        status_absensi is not null";
209        $result = mysqli_query($this->connection , $query);
210        if (mysqli_num_rows($result) > 0){
211            $datas = array();
212            while ($row = mysqli_fetch_array($result)){
213                $datas[] = array(
214                    "tgl_waktu" => $row['tgl_waktu_absensi'],
215                    "kegiatan" => ucwords($row['nama_kegiatan']),
216                    "foto_absensi" => $row['foto_absensi'],
217                    "pergeseran" => $row['pergeseran_absensi']
218                );
219            }
220            $json['status'] = 200;
221            $json['message'] = 'Berhasil mengambil data';
222            $json['data'] = $datas;
223            echo json_encode($json);
224            mysqli_close($this->connection);
225        } elseif (mysqli_num_rows($result) == 0){
226            $json['status'] = 300;
227            $json['message'] = 'Data tidak ada';
228            echo json_encode($json);
229            mysqli_close($this->connection);
230        }else{
231            $json['status'] = $query;
232            $json['message'] = 'Gagal mengambil data';
233            echo json_encode($json);
234            mysqli_close($this->connection);
235        }
236    }
237    public function login_mahasiswa($user , $pass){
238        $query = "SELECT id_intern , id_mahasiswa , username , password ,
         nama_mahasiswa , kelas_mahasiswa , angkatan_mahasiswa ,
        foto_mahasiswa , nama_prodi , id_dosen , nama_dosen ,
        nama_perusahaan_perusahaan as nama_perusahaan , status_perusahaan ,
         id_pembimbing_dt_intern as id_pembimbing FROM user INNER JOIN
        mahasiswa ON user.id_user = mahasiswa.id_mahasiswa INNER JOIN
        prodi ON mahasiswa.id_prodi_mahasiswa = prodi.id_prodi INNER JOIN
         detail_intern ON user.id_user = detail_intern.
        id_mahasiswa_dt_intern INNER JOIN intern ON detail_intern.
        id_intern_dt_intern = intern.id_intern INNER JOIN dosen ON
        detail_intern.id_dosen_dt_intern = dosen.id_dosen INNER JOIN
        pembimbing_perusahaan ON pembimbing_perusahaan.id_pembimbing =
        detail_intern.id_pembimbing_dt_intern WHERE username='$user' AND
        password='$pass' AND user.role_user='mahasiswa' AND user.
        status_user='aktif' AND status_intern = 'berjalan'";
239        $result = mysqli_query($this->connection , $query);
240        $row = mysqli_fetch_array($result);
241        $id_intern = $row['id_intern'];
```

```php
242              if (mysqli_num_rows($result) > 0 && ($row['id_pembimbing'] !=
         "" || $row['id_pembimbing'] != null) && $row['status_perusahaan'
         ] == "diterima"){
243              $query = "SELECT id_intern_dt_intern as id_intern,
         id_mahasiswa, username, password, nama_mahasiswa, kelas_mahasiswa
         , angkatan_mahasiswa, foto_mahasiswa, nama_prodi, id_dosen,
         nama_dosen, nama_perusahaan_perusahaan as nama_perusahaan,
         status_perusahaan, nama_pembimbing, id_pembimbing_dt_intern as
         id_pembimbing, kontak_mahasiswa FROM user INNER JOIN mahasiswa ON
          user.id_user = mahasiswa.id_mahasiswa INNER JOIN prodi ON
         mahasiswa.id_prodi_mahasiswa = prodi.id_prodi INNER JOIN
         detail_intern ON user.id_user = detail_intern.
         id_mahasiswa_dt_intern INNER JOIN intern ON detail_intern.
         id_intern_dt_intern = intern.id_intern INNER JOIN dosen ON
         detail_intern.id_dosen_dt_intern = dosen.id_dosen INNER JOIN
         pembimbing_perusahaan ON pembimbing_perusahaan.id_pembimbing =
         detail_intern.id_pembimbing_dt_intern WHERE username='$user' AND
         password='$pass' AND user.role_user='mahasiswa' AND user.
         status_user='aktif' AND status_intern = 'berjalan'";
244              $result = mysqli_query($this->connection, $query);
245              $row = mysqli_fetch_array($result);
246              $data = array(
247                  "id_intern" => $id_intern,
248                  "id_mahasiswa" => $row['id_mahasiswa'],
249                  "username" => $row['username'],
250                  "password" => $row['password'],
251                  "nama_mahasiswa" => ucwords($row['nama_mahasiswa']),
252                  "kelas_mahasiswa" => strtoupper($row['kelas_mahasiswa
         ']),
253                  "angkatan_mahasiswa" => $row['angkatan_mahasiswa'],
254                  "foto_mahasiswa" => $row['foto_mahasiswa'],
255                  "nama_prodi" => ucwords($row['nama_prodi']),
256                  "id_dosen" => $row['id_dosen'],
257                  "nama_dosen" => ucwords($row['nama_dosen']),
258                  "nama_pembimbing" => ucwords($row['nama_pembimbing'])
         ,
259                  "id_pembimbing" => $row['id_pembimbing'],
260                  "nama_perusahaan" => ucwords($row['nama_perusahaan'])
         ,
261                  "kontak_mahasiswa" => $row['kontak_mahasiswa']
262              );
263              $json['status'] = 201;
264              $json['message'] = 'Login berhasil';
265              $json['data'] = $data;
266              echo json_encode($json);
267              mysqli_close($this->connection);
268          }elseif (mysqli_num_rows($result) > 0 && ($row['id_pembimbing
         '] != "" || $row['id_pembimbing'] != null) && ($row['
         status_perusahaan'] == "" || $row['status_perusahaan'] == null)){
269              $data = array(
270                  "id_intern" => $id_intern,
271                  "id_mahasiswa" => $row['id_mahasiswa'],
272                  "username" => $row['username'],
273                  "password" => $row['password'],
274                  "nama_mahasiswa" => ucwords($row['nama_mahasiswa']),
```

```
275                    "kelas_mahasiswa" => strtoupper($row['kelas_mahasiswa
       ']),
276                    "angkatan_mahasiswa" => $row['angkatan_mahasiswa'],
277                    "foto_mahasiswa" => $row['foto_mahasiswa'],
278                    "nama_prodi" => ucwords($row['nama_prodi']),
279                    "id_dosen" => $row['id_dosen'],
280                    "nama_dosen" => ucwords($row['nama_dosen']),
281                    "nama_perusahaan" => ucwords($row['nama_perusahaan'])
282                );
283                $json['status'] = 203;
284                $json['message'] = 'Login berhasil';
285                $json['data'] = $data;
286                echo json_encode($json);
287                mysqli_close($this->connection);
288            }else{
289                $query = "SELECT id_intern_dt_intern as id_intern,
       id_mahasiswa, username, password, nama_mahasiswa, kelas_mahasiswa
       , angkatan_mahasiswa, foto_mahasiswa, nama_prodi, id_dosen,
       nama_dosen, kode_otp, status_perusahaan, id_pembimbing_dt_intern
       as id_pembimbing FROM user INNER JOIN mahasiswa ON user.id_user =
        mahasiswa.id_mahasiswa INNER JOIN prodi ON mahasiswa.
       id_prodi_mahasiswa = prodi.id_prodi INNER JOIN detail_intern ON
       user.id_user = detail_intern.id_mahasiswa_dt_intern INNER JOIN
       intern ON detail_intern.id_intern_dt_intern = intern.id_intern
       INNER JOIN dosen ON detail_intern.id_dosen_dt_intern = dosen.
       id_dosen WHERE username='$user' AND password='$pass' AND user.
       role_user='mahasiswa' AND user.status_user='aktif' AND
       status_intern = 'berjalan'";
290                $result = mysqli_query($this->connection, $query);
291                $row = mysqli_fetch_array($result);
292                if (mysqli_num_rows($result) > 0 && ($row['id_pembimbing'
       ] == "" || $row['id_pembimbing'] == null) && ($row[
       'status_perusahaan'] == "" || $row['status_perusahaan'] == null)
       && $row['kode_otp'] == '-'){
293                    $data = array(
294                        "id_intern" => $row['id_intern'],
295                        "id_mahasiswa" => $row['id_mahasiswa'],
296                        "username" => $row['username'],
297                        "password" => $row['password'],
298                        "nama_mahasiswa" => ucwords($row['nama_mahasiswa'
       ]),
299                        "kelas_mahasiswa" => strtoupper($row['
       kelas_mahasiswa']),
300                        "angkatan_mahasiswa" => $row['angkatan_mahasiswa'
       ],
301                        "foto_mahasiswa" => $row['foto_mahasiswa'],
302                        "nama_prodi" => ucwords($row['nama_prodi']),
303                        "id_dosen" => $row['id_dosen'],
304                        "nama_dosen" => ucwords($row['nama_dosen'])
305                    );
306                    $json['status'] = 202;
307                    $json['message'] = 'Login berhasil';
308                    $json['data'] = $data;
309                    echo json_encode($json);
310                    mysqli_close($this->connection);
311                }else{
```

```php
312                $json['status'] = 400;
313                $json['message'] = 'Username dan password salah';
314                echo json_encode($json);
315                mysqli_close($this->connection);
316            }
317        }
318    }
319    public function registrasi_mahasiswa($kode_otp){
320        $query = "SELECT kode_otp FROM mahasiswa WHERE kode_otp = '
    $kode_otp'";
321        $result = mysqli_query($this->connection, $query);
322        $row = mysqli_fetch_array($result);
323        if (mysqli_num_rows($result) > 0) {
324            $query = "UPDATE mahasiswa SET kode_otp='-' WHERE
    kode_otp='$kode_otp'";
325            $result = mysqli_query($this->connection, $query);
326            if ($this->connection->affected_rows > 0 && $result){
327                $json['status'] = 200;
328                $json['message'] = 'Registrasi berhasil';
329                echo json_encode($json);
330                mysqli_close($this->connection);
331            }else{
332                $json['status'] = 400;
333                $json['message'] = 'Registrasi gagal';
334                echo json_encode($json);
335                mysqli_close($this->connection);
336            }
337        }else{
338            $json['status'] = 400;
339            $json['message'] = 'Registrasi gagal';
340            echo json_encode($json);
341            mysqli_close($this->connection);
342        }
343    }
344    public function list_notifikasi($id_intern, $id_mahasiswa){
345        $query = "SELECT id_intern, nama_pembimbing, pesan_notifikasi
    , nama_perusahaan_perusahaan, tgl_waktu_notifikasi FROM
    notifikasi INNER JOIN pembimbing_perusahaan ON id_pembimbing =
    id_pembimbing_notifikasi INNER JOIN mahasiswa ON id_mahasiswa =
    id_mahasiswa_notifikasi INNER JOIN intern ON id_intern =
    id_intern_notifikasi WHERE id_mahasiswa_notifikasi='$id_mahasiswa
    ' AND id_intern_notifikasi='$id_intern' ORDER BY
    tgl_waktu_notifikasi DESC";
346        $result = mysqli_query($this->connection, $query);
347        if (mysqli_num_rows($result) > 0){
348            $datas = array();
349            $kalimat1 = "melakukan absensi pada";
350            $kalimat2 = "mengkonfirmasi absensi";
351            $kalimat3 = "mendaftar ke perusahaan";
352            $kalimat4 = "mengkonfirmasi pendaftaran";
353            while ($row = mysqli_fetch_array($result)){
354                $pesan = "";
355                if (preg_match("~\b" . $row['pesan_notifikasi'] . "\b
    ~", $kalimat1)){
356                    $pesan = "Anda " . $row['pesan_notifikasi'];
```

```
357              }elseif (preg_match("~\b" . $row['pesan_notifikasi']
      . "\b~", $kalimat2)){
358                  $pesan = ucwords(($row['nama_pembimbing'])) . " "
      . $row['pesan_notifikasi'] . " Anda pada";
359              }elseif (preg_match("~\b" . $row['pesan_notifikasi']
      . "\b~", $kalimat3)){
360                  $pesan = "Anda " . $row['pesan_notifikasi'] . " "
      . ucwords(($row['nama_perusahaan_perusahaan'])) . " pada";
361              }elseif (preg_match("~\b" . $row['pesan_notifikasi']
      . "\b~", $kalimat4)){
362                  $pesan = ucwords(($row['nama_pembimbing'])) . " "
      . $row['pesan_notifikasi'] . " Anda pada";
363              }
364              $datas[] = array(
365                  "id_intern" => $row['id_intern'],
366                  "pesan" => $pesan . " " . date_format(date_create
      ($row['tgl_waktu_notifikasi']) , 'd F Y \p\u\k\u\l G:i A') ,
367                  "tgl_waktu" => $row['tgl_waktu_notifikasi']
368              );
369          }
370          $json['status'] = 200;
371          $json['message'] = 'Berhasil mengambil notifikasi';
372          $json['data'] = $datas;
373          echo json_encode($json);
374          mysqli_close($this->connection);
375      }elseif (mysqli_num_rows($result) == 0){
376          $json['status'] = 300;
377          $json['message'] = 'Notifikasi tidak ada';
378          echo json_encode($json);
379          mysqli_close($this->connection);
380      }else{
381          $json['status'] = 400;
382          $json['message'] = 'Gagal mengambil notifikasi';
383          echo json_encode($json);
384          mysqli_close($this->connection);
385      }
386  }
387  public function ubah_username($id_mahasiswa, $username){
388      $query = "UPDATE user SET username='$username' WHERE id_user
      ='$id_mahasiswa'";
389      $result = mysqli_query($this->connection, $query);
390      if ($this->connection->affected_rows > 0 && $result){
391          $json['status'] = 200;
392          $json['message'] = 'Username berhasil diubah';
393          echo json_encode($json);
394          mysqli_close($this->connection);
395      }else{
396          $json['status'] = 400;
397          $json['message'] = 'Username gagal diubah';
398          echo json_encode($json);
399          mysqli_close($this->connection);
400      }
401  }
402  public function ubah_nama($id_mahasiswa, $nama){
403      $query = "UPDATE mahasiswa SET nama_mahasiswa='$nama' WHERE
      id_mahasiswa='$id_mahasiswa'";
```

```
404          $result = mysqli_query($this->connection, $query);
405          if ($this->connection->affected_rows > 0 && $result){
406              $json['status'] = 200;
407              $json['message'] = 'Nama berhasil diubah';
408              echo json_encode($json);
409              mysqli_close($this->connection);
410          }else{
411              $json['status'] = 400;
412              $json['message'] = 'Nama gagal diubah';
413              echo json_encode($json);
414              mysqli_close($this->connection);
415          }
416      }
417      public function ubah_kelas($id_mahasiswa, $kelas){
418          $query = "UPDATE mahasiswa SET kelas_mahasiswa='$kelas' WHERE
         id_mahasiswa='$id_mahasiswa'";
419          $result = mysqli_query($this->connection, $query);
420          if ($this->connection->affected_rows > 0 && $result){
421              $json['status'] = 200;
422              $json['message'] = 'Nama berhasil diubah';
423              echo json_encode($json);
424              mysqli_close($this->connection);
425          }else{
426              $json['status'] = 400;
427              $json['message'] = 'Nama gagal diubah';
428              echo json_encode($json);
429              mysqli_close($this->connection);
430          }
431      }
432      public function ubah_angkatan($id_mahasiswa, $angkatan){
433          $query = "UPDATE mahasiswa SET angkatan_mahasiswa='$angkatan'
         WHERE id_mahasiswa='$id_mahasiswa'";
434          $result = mysqli_query($this->connection, $query);
435          if ($this->connection->affected_rows > 0 && $result){
436              $json['status'] = 200;
437              $json['message'] = 'Nama berhasil diubah';
438              echo json_encode($json);
439              mysqli_close($this->connection);
440          }else{
441              $json['status'] = 400;
442              $json['message'] = 'Nama gagal diubah';
443              echo json_encode($json);
444              mysqli_close($this->connection);
445          }
446      }
447      public function ubah_kontak($id_mahasiswa, $kontak){
448          $query = "UPDATE mahasiswa SET kontak_mahasiswa='$kontak'
         WHERE id_mahasiswa='$id_mahasiswa'";
449          $result = mysqli_query($this->connection, $query);
450          if ($this->connection->affected_rows > 0 && $result){
451              $json['status'] = 200;
452              $json['message'] = 'Kontak berhasil diubah';
453              echo json_encode($json);
454              mysqli_close($this->connection);
455          }else{
456              $json['status'] = 400;
```

```
457              $json['message'] = 'Kontak gagal diubah';
458              echo json_encode($json);
459              mysqli_close($this->connection);
460          }
461      }
462      public function ubah_foto($id_mahasiswa, $foto){
463          $query = "UPDATE mahasiswa SET foto_mahasiswa='$foto' WHERE
         id_mahasiswa='$id_mahasiswa'";
464          $result = mysqli_query($this->connection, $query);
465          if ($this->connection->affected_rows > 0 && $result){
466              $json['status'] = 200;
467              $json['message'] = 'Foto berhasil diubah';
468              echo json_encode($json);
469              mysqli_close($this->connection);
470              return true;
471          }else{
472              $json['status'] = 400;
473              $json['message'] = 'Foto gagal diubah';
474              echo json_encode($json);
475              mysqli_close($this->connection);
476              return false;
477          }
478      }
479      public function ubah_password($id_mahasiswa, $password){
480          $query = "UPDATE user SET password='$password' WHERE id_user
         ='$id_mahasiswa'";
481          $result = mysqli_query($this->connection, $query);
482          if ($this->connection->affected_rows > 0 && $result){
483              $json['status'] = 200;
484              $json['message'] = 'Password berhasil diubah';
485              echo json_encode($json);
486              mysqli_close($this->connection);
487          }else{
488              $json['status'] = 400;
489              $json['message'] = 'Password gagal diubah';
490              echo json_encode($json);
491              mysqli_close($this->connection);
492          }
493      }
494      public function distance($lat1, $lon1, $lat2, $lon2){
495          if (($lat1 == $lat2) && ($lon1 == $lon2)){
496              return 0;
497          }else{
498              $theta = $lon1 - $lon2;
499              $dist = sin(deg2rad($lat1)) * sin(deg2rad($lat2)) + cos(
         deg2rad($lat1)) * cos(deg2rad($lat2)) * cos(deg2rad($theta));
500              $dist = acos($dist);
501              $dist = rad2deg($dist);
502              $miles = $dist * 60 * 1.1515;
503              return round(($miles * 1.609344) * 1000, 0);
504          }
505      }
506 }
```

Selanjutnya tambahkan script berikut di file mahasiswa_absensi.php pada folder mahasiswa.

```php
1  <?php
2  include('mahasiswa.php');
3  header('Content-Type: application/json');
4  $m = new Mahasiswa();
5  if (isset($_POST['id_intern'], $_POST['id_mahasiswa'], $_POST[
       'id_dosen'], $_POST['latitude_absensi'], $_POST['longitude_absensi
       '], $_POST['imei_perangkat'], $_POST['id_pembimbing'], $_POST['
       id_kegiatan'], $_FILES['foto_absensi']['name'], $_POST['tgl_waktu
       '], $_POST['catatan_absensi'])) {
6      $id_intern = $_POST['id_intern'];
7      $id_mahasiswa = $_POST['id_mahasiswa'];
8      $id_pembimbing = $_POST['id_pembimbing'];
9      $id_dosen = $_POST['id_dosen'];
10     $latitude_absensi = $_POST['latitude_absensi'];
11     $longitude_absensi = $_POST['longitude_absensi'];
12     $imei_perangkat = $_POST['imei_perangkat'];
13     $id_kegiatan = $_POST['id_kegiatan'];
14     $tgl_waktu = $_POST['tgl_waktu'];
15     $foto_absensi = $_FILES['foto_absensi']['name'];
16     $temp_foto_absensi = $_FILES['foto_absensi']['tmp_name'];
17     $catatan = $_POST['catatan_absensi'];
18     $dir_absensi = "../images/absensi/";
19     if (!empty($id_intern) && !empty($id_mahasiswa) && !empty(
       $id_dosen) && !empty($latitude_absensi) && !empty(
       $longitude_absensi) && !empty($imei_perangkat) && !empty(
       $id_kegiatan) && !empty($tgl_waktu)&& !empty($foto_absensi) && !
       empty($id_pembimbing) && !empty($catatan)) {
20         $take_absensi = $m->ambil_absensi($id_intern, $id_mahasiswa,
       $id_dosen, $latitude_absensi, $longitude_absensi, $imei_perangkat
       , $id_kegiatan, $foto_absensi, $tgl_waktu, $id_pembimbing,
       $catatan);
21         if ($take_absensi) {
22             $upload = move_uploaded_file($temp_foto_absensi,
       $dir_absensi.$foto_absensi);
23             if (!$upload) {
24                 $json['status'] = 400;
25                 $json['message'] = 'Gambar gagal terupload';
26                 echo json_encode($json);
27             }
28         }
29     } else {
30         $json['status'] = 100;
31         $json['message'] = 'Field tidak boleh kosong';
32         echo json_encode($json);
33     }
34  } else {
35     $json['status'] = 100;
36     $json['message'] = 'Field tidak boleh kosong';
37     echo json_encode($json);
38  }
```

Setelah itu, tambahkan script berikut di file mahasiswa_kegiatan.php pada folder mahasiswa.

```php
1  <?php
2  include('mahasiswa.php');
3  header('Content-Type: application/json');
```

```
4  $m = new Mahasiswa();
5  $m->list_kegiatan();
6  ?>
```

Kemudian tambahkan script berikut di file mahasiswa_login.php pada folder mahasiswa.

```php
1  <?php
2  include('mahasiswa.php');
3  header('Content-Type: application/json');
4  $m = new Mahasiswa();
5  if (isset($_POST['username'], $_POST['password'])) {
6      $user = $_POST['username'];
7      $pass = $_POST['password'];
8      if (!empty($user) && !empty($pass)) {
9          $m->login_mahasiswa($user, $pass);
10     } else {
11         $json['status']  = 100;
12         $json['message'] = 'Field tidak boleh kosong';
13         echo json_encode($json);
14     }
15 }
16 ?>
```

Selanjutnya tambahkan script berikut di file mahasiswa_notifikasi.php pada folder mahasiswa.

```php
1  <?php
2  include('mahasiswa.php');
3  header('Content-Type: application/json');
4  $m = new Mahasiswa();
5  if (isset($_POST['id_intern'], $_POST['id_mahasiswa'])) {
6      $id_intern = $_POST['id_intern'];
7      $id_mahasiswa = $_POST['id_mahasiswa'];
8      if (!empty($id_intern) && !empty($id_mahasiswa)) {
9          $m->list_notifikasi($id_intern, $id_mahasiswa);
10     } else {
11         $json['status']  = 100;
12         $json['message'] = 'Field tidak boleh kosongs';
13         echo json_encode($json);
14     }
15 } else {
16     $json['status']  = 100;
17     $json['message'] = 'Field tidak boleh kosong';
18     echo json_encode($json);
19 }
```

Setelah itu, tambahkan script berikut di file mahasiswa_pembimbing.php pada folder mahasiswa.

```php
1  <?php
2  include('mahasiswa.php');
3  header('Content-Type: application/json');
4  $m = new Mahasiswa();
5  $m->list_pembimbing();
6  ?>
```

Kemudian tambahkan script berikut di file mahasiswa_perusahaan.php pada folder mahasiswa.

```php
<?php
include('mahasiswa.php');
header('Content-Type: application/json');
$m = new Mahasiswa();
if (isset($_POST['id_intern'], $_POST['id_mahasiswa'], $_POST['id_pembimbing'], $_POST['latitude_perusahaan'], $_POST['id_dosen'], $_POST['longitude_perusahaan'], $_FILES['foto_perusahaan']['name'])) {
    $id_intern = $_POST['id_intern'];
    $id_mahasiswa = $_POST['id_mahasiswa'];
    $id_dosen = $_POST['id_dosen'];
    $id_pembimbing = $_POST['id_pembimbing'];
    $latitude_perusahaan = $_POST['latitude_perusahaan'];
    $longitude_perusahaan = $_POST['longitude_perusahaan'];
    $foto_perusahaan = $_FILES['foto_perusahaan']['name'];
    $temp_foto_perusahaan = $_FILES['foto_perusahaan']['tmp_name'];
    $dir_perusahaan = "../images/perusahaan/";
    if (!empty($id_dosen) && !empty($id_intern) && !empty($id_mahasiswa) && !empty($id_pembimbing) && !empty($latitude_perusahaan) && !empty($longitude_perusahaan) && !empty($foto_perusahaan)) {
        if ($m->get_distance($id_pembimbing) == false) {
            $json['status'] = 400;
            $json['message'] = 'Jarak kosong';
            echo json_encode($json);
        } else {
            $distance = $m->get_distance($id_pembimbing);
            $gap = $m->distance($latitude_perusahaan, $longitude_perusahaan, $distance['lat'], $distance['lon']);
            if ($gap > 500) {
                $json['status'] = 300;
                $json['message'] = 'Jarak terlalu jauh, '.$gap.$latitude_perusahaan.$longitude_perusahaan.$distance['lat'].$distance['lon'];
                echo json_encode($json);
            } else {
                $registrasi_perusahaan = $m->registrasi_perusahaan($id_intern, $id_mahasiswa, $id_pembimbing, $latitude_perusahaan, $longitude_perusahaan, $foto_perusahaan, $id_dosen);
                if ($registrasi_perusahaan) {
                    $upload = move_uploaded_file($temp_foto_perusahaan, $dir_perusahaan.$foto_perusahaan);
                    if (!$upload) {
                        $json['status'] = 400;
                        $json['message'] = 'Gambar gagal terupload';
                        echo json_encode($json);
                    }
                }
            }
        }
    } else {
        $json['status'] = 100;
        $json['message'] = 'Field tidak boleh kosongs';
        echo json_encode($json);
```

```
43        }
44  } else {
45      $json['status']  = 100;
46      $json['message'] = 'Field tidak boleh kosong';
47      echo json_encode($json);
48  }
```

Selanjutnya tambahkan script berikut di file mahasiswa_progress_harian.php pada folder mahasiswa.

```php
1  <?php
2  include('mahasiswa.php');
3  header('Content-Type: application/json');
4  $m = new Mahasiswa();
5  if (isset($_POST['id_intern'], $_POST['id_mahasiswa'], $_POST['tgl'])
       ) {
6      $id_intern = $_POST['id_intern'];
7      $id_mahasiswa = $_POST['id_mahasiswa'];
8      $tgl = $_POST['tgl'];
9      if (!empty($id_intern) && !empty($id_mahasiswa) && !empty($tgl))
       {
10          $m->progress_mahasiswa_perhari($id_intern, $id_mahasiswa,
       $tgl);
11      } else {
12          $json['status']  = 100;
13          $json['message'] = 'Field tidak boleh kosong';
14          echo json_encode($json);
15      }
16  }
17  ?>
```

Setelah itu, tambahkan script berikut di file mahasiswa_progress.php pada folder mahasiswa.

```php
1  <?php
2  include('mahasiswa.php');
3  header('Content-Type: application/json');
4  $m = new Mahasiswa();
5  if (isset($_POST['id_intern'], $_POST['id_mahasiswa'], $_POST['sort'
       ])) {
6      $id_mahasiswa = $_POST['id_mahasiswa'];
7      $id_intern = $_POST['id_intern'];
8      $sort = $_POST['sort'];
9      if (!empty($id_intern) && !empty($id_mahasiswa) && !empty($sort))
        {
10          $m->progress_mahasiswa($id_intern, $id_mahasiswa, $sort);
11      } else {
12          $json['status']  = 100;
13          $json['message'] = 'Field tidak boleh kosong';
14          echo json_encode($json);
15      }
16  } else {
17      $json['status']  = 100;
18      $json['message'] = 'Field tidak boleh kosong';
19      echo json_encode($json);
20  }
```

Kemudian tambahkan script berikut di file mahasiswa_registrasi.php pada folder mahasiswa.

```php
<?php
include('mahasiswa.php');
header('Content-Type: application/json');
$m = new Mahasiswa();
if (isset($_POST['kode_otp'])) {
    $kode_otp = $_POST['kode_otp'];
    if (!empty($kode_otp)) {
        $m->registrasi_mahasiswa($kode_otp);
    } else {
        $json['status']  = 100;
        $json['message'] = 'Field tidak boleh kosong';
        echo json_encode($json);
    }
}
?>
```

Selanjutnya tambahkan script berikut di file mahasiswa_ubah.php pada folder mahasiswa.

```php
<?php
include('mahasiswa.php');
header('Content-Type: application/json');
$m = new Mahasiswa();
$id_mahasiswa = $_POST['id_mahasiswa'];
if (isset($_POST['username'])) $username = $_POST['username'];
if (isset($_POST['nama'])) $nama = $_POST['nama'];
if (isset($_POST['kelas'])) $kelas = $_POST['kelas'];
if (isset($_POST['angkatan'])) $angkatan = $_POST['angkatan'];
if (isset($_POST['kontak'])) $kontak = $_POST['kontak'];
if (isset($_POST['password'])) $password = $_POST['password'];
if (isset($_FILES['foto']['name'])){
    $foto = $_FILES['foto']['name'];
    $temp_foto = $_FILES['foto']['tmp_name'];
    $dir_mahasiswa = "../images/mahasiswa/";
}
if (!empty($id_mahasiswa) && !empty($username)) {
    $m->ubah_username($id_mahasiswa, $username);
} elseif (!empty($id_mahasiswa) && !empty($nama)) {
    $m->ubah_nama($id_mahasiswa, $nama);
} elseif (!empty($id_mahasiswa) && !empty($kelas)) {
    $m->ubah_kelas($id_mahasiswa, $kelas);
} elseif (!empty($id_mahasiswa) && !empty($angkatan)) {
    $m->ubah_angkatan($id_mahasiswa, $angkatan);
} elseif (!empty($id_mahasiswa) && !empty($kontak)) {
    $m->ubah_kontak($id_mahasiswa, $kontak);
} elseif (!empty($id_mahasiswa) && !empty($password)) {
    $m->ubah_password($id_mahasiswa, $password);
} elseif (!empty($id_mahasiswa) && !empty($foto)){
    $result = $m->ubah_foto($id_mahasiswa, $foto);
    if ($result) {
        $upload = move_uploaded_file($temp_foto, $dir_mahasiswa.$foto
        );
        if (!$upload) {
            $json['status']  = 400;
```

```
35              $json['message'] = 'Gambar gagal terupload';
36              echo json_encode($json);
37          }
38      }
39  } else {
40      $json['status']  = 100;
41      $json['message'] = 'Field tidak boleh kosong';
42      echo json_encode($json);
43  }
```

Setelah itu, tambahkan script berikut di file pembimbing.php pada folder pembimb-ing.

```
1   <?php
2   include('../conn.php');
3   header('Content-Type: application/json');
4   class Pembimbing{
5       private $db;
6       private $connection;
7       public function __construct()     {
8           $this->db            = new Connection();
9           $this->connection = $this->db->get_connection();
10      }
11      public function registrasi_pembimbing($nama_pembimbing,
        $kontak_pembimbing, $nama_perusahaan, $username, $password,
        $latitude_perusahaan, $longitude_perusahaan){
12          $query1 = "SELECT nama_pembimbing FROM pembimbing_perusahaan"
        ;
13          $result1 = mysqli_query($this->connection, $query1);
14          $query2 = "SELECT username FROM user WHERE username='
        $username'";
15          $result2 = mysqli_query($this->connection, $query2);
16          if (mysqli_num_rows($result1) > 0 && mysqli_num_rows($result2
        ) == 0) {
17              $query1 = "INSERT INTO pembimbing_perusahaan (
        nama_pembimbing, nama_perusahaan_perusahaan,
        lat_pembimbing_perusahaan, long_pembimbing_perusahaan,
        kontak_pembimbing) VALUES ('$nama_pembimbing', '$nama_perusahaan
        ', '$latitude_perusahaan', '$longitude_perusahaan', '
        $kontak_pembimbing')";
18              $query2 = "INSERT INTO user VALUES ((SELECT
        LAST_INSERT_ID(id_pembimbing) FROM pembimbing_perusahaan ORDER BY
         id_pembimbing DESC LIMIT 1), '$username', '$password', 'tidak
        aktif', 'pembimbing')";
19              $result1 = mysqli_query($this->connection, $query1);
20              $result2 = mysqli_query($this->connection, $query2);
21              if ($result1 && $result2) {
22                  $json['status']  = 200;
23                  $json['message'] = 'Registrasi berhasil';
24                  echo json_encode($json);
25                  mysqli_close($this->connection);
26              } else {
27                  $json['status']  = 400;
28                  $json['message'] = 'Registrasi gagal';
29                  echo json_encode($json);
30                  mysqli_close($this->connection);
31              }
```

```php
32          } else if (mysqli_num_rows($result2) == 0) {
33              $query3 = "ALTER TABLE pembimbing_perusahaan
        AUTO_INCREMENT = 1";
34              $query1 = "INSERT INTO pembimbing_perusahaan (
        id_pembimbing, nama_pembimbing, nama_perusahaan_perusahaan,
        lat_pembimbing_perusahaan, long_pembimbing_perusahaan,
        kontak_pembimbing) VALUES (190001, '$nama_pembimbing', '
        $nama_perusahaan', '$latitude_perusahaan', '$longitude_perusahaan
        ', '$kontak_pembimbing')";
35              $query2 = "INSERT INTO user VALUES ((SELECT
        LAST_INSERT_ID(id_pembimbing) FROM pembimbing_perusahaan ORDER BY
         id_pembimbing DESC LIMIT 1), '$username', '$password', 'tidak
        aktif', 'pembimbing')";
36              mysqli_query($this->connection, $query3);
37              $result1 = mysqli_query($this->connection, $query1);
38              $result2 = mysqli_query($this->connection, $query2);
39              if ($result1 && $result2) {
40                  $json['status']  = 200;
41                  $json['message'] = 'Registrasi berhasil';
42                  echo json_encode($json);
43                  mysqli_close($this->connection);
44              } else {
45                  $json['status']  = 400;
46                  $json['message'] = 'Registrasi gagal';
47                  echo json_encode($json);
48                  mysqli_close($this->connection);
49              }
50          } else {
51              $json['status']  = 400;
52              $json['message'] = 'Registrasi gagal';
53              echo json_encode($json);
54              mysqli_close($this->connection);
55          }
56      }
57      public function login_pembimbing($user, $pass){
58          $query = "SELECT id_pembimbing, username, password,
        nama_pembimbing, nama_perusahaan_perusahaan, kontak_pembimbing,
        foto_pembimbing FROM user INNER JOIN pembimbing_perusahaan ON
        user.id_user = pembimbing_perusahaan.id_pembimbing WHERE username
        ='$user' AND password='$pass' AND status_user='aktif' AND
        role_user='pembimbing'";
59          $result = mysqli_query($this->connection, $query);
60          if (mysqli_num_rows($result) > 0) {
61              $row  = mysqli_fetch_array($result);
62              $data = array(
63                  "username" => $row['username'],
64                  "password" => $row['password'],
65                  "id_pembimbing" => $row['id_pembimbing'],
66                  "nama_pembimbing" => ucwords($row['nama_pembimbing'])
        ,
67                  "nama_perusahaan" => ucwords($row['
        nama_perusahaan_perusahaan']),
68                  "foto_pembimbing" => $row['foto_pembimbing'],
69                  "kontak_pembimbing" => $row['kontak_pembimbing']
70              );
71              $json['status']  = 200;
```

```
72              $json['message'] = 'Login berhasil';
73              $json['data']    = $data;
74              echo json_encode($json);
75              mysqli_close($this->connection);
76          } elseif (mysqli_num_rows($result) == 0) {
77              $json['status']  = 300;
78              $json['message'] = 'Username atau password salah';
79              echo json_encode($json);
80              mysqli_close($this->connection);
81          } else {
82              $json['status']  = 400;
83              $json['message'] = 'Gagal melakukan login';
84              echo json_encode($json);
85              mysqli_close($this->connection);
86          }
87      }
88      public function list_konfirm_absensi($id_pembimbing) {
89          $query = "SELECT id_absensi, id_intern, id_mahasiswa,
    id_dosen_absensi as id_dosen, nama_mahasiswa, foto_mahasiswa,
    kontak_mahasiswa, nama_prodi, nama_kegiatan, tgl_waktu_absensi
    FROM absensi INNER JOIN mahasiswa ON absensi.id_mahasiswa_absensi
    = mahasiswa.id_mahasiswa INNER JOIN prodi ON mahasiswa.
    id_prodi_mahasiswa = prodi.id_prodi INNER JOIN kegiatan ON
    kegiatan.id_kegiatan = absensi.id_kegiatan_absensi INNER JOIN
    intern ON absensi.id_intern_absensi = intern.id_intern WHERE
    id_pembimbing_absensi='$id_pembimbing' AND intern.status_intern='
    berjalan' AND (status_absensi IS NULL OR status_absensi = '')
    ORDER BY id_absensi DESC";
90          $result = mysqli_query($this->connection, $query);
91          if (mysqli_num_rows($result) > 0) {
92              $datas = array();
93              while ($row = mysqli_fetch_array($result)) {
94                  $datas[] = array(
95                      "id_absensi" => $row['id_absensi'],
96                      "id_intern" => $row['id_intern'],
97                      "id_mahasiswa" => $row['id_mahasiswa'],
98                      "nama_mahasiswa" => ucwords($row['nama_mahasiswa'
    ]),
99                      "foto_mahasiswa" => $row['foto_mahasiswa'],
100                     "kontak_mahasiswa" => $row['kontak_mahasiswa'],
101                     "nama_prodi" => ucwords($row['nama_prodi']),
102                     "kegiatan" => ucfirst($row['nama_kegiatan']),
103                     "tgl_waktu" => $row['tgl_waktu_absensi'],
104                     "id_dosen" => $row['id_dosen']
105                 );
106             }
107             $json['status']  = 200;
108             $json['message'] = 'Berhasil mengambil konfirmasi';
109             $json['data']    = $datas;
110             echo json_encode($json);
111             mysqli_close($this->connection);
112         } elseif (mysqli_num_rows($result) == 0) {
113             $json['status']  = 300;
114             $json['message'] = 'Konfirmasi tidak ada';
115             echo json_encode($json);
116             mysqli_close($this->connection);
```

```php
117              } else {
118                  $json['status']  = 400;
119                  $json['message'] = 'Gagal mengambil konfirmasi';
120                  echo json_encode($json);
121                  mysqli_close($this->connection);
122              }
123          }
124          public function list_konfirm_mahasiswa($id_pembimbing) {
125              $query = "SELECT id_intern, id_mahasiswa, id_dosen_dt_intern
         as id_dosen, nama_mahasiswa, foto_mahasiswa, kontak_mahasiswa,
         nama_prodi FROM detail_intern INNER JOIN intern ON detail_intern.
         id_intern_dt_intern = intern.id_intern INNER JOIN mahasiswa ON
         detail_intern.id_mahasiswa_dt_intern = mahasiswa.id_mahasiswa
         INNER JOIN prodi ON mahasiswa.id_prodi_mahasiswa = prodi.id_prodi
          WHERE id_pembimbing_dt_intern='$id_pembimbing' AND intern.
         status_intern='berjalan' AND (status_perusahaan IS NULL OR
         status_perusahaan = '')";
126              $result = mysqli_query($this->connection, $query);
127              if (mysqli_num_rows($result) > 0) {
128                  $datas = array();
129                  while ($row = mysqli_fetch_array($result)) {
130                      $datas[] = array(
131                          "id_intern" => $row['id_intern'],
132                          "id_mahasiswa" => $row['id_mahasiswa'],
133                          "nama_mahasiswa" => ucwords($row['nama_mahasiswa'
         ]),
134                          "foto_mahasiswa" => $row['foto_mahasiswa'],
135                          "kontak_mahasiswa" => $row['kontak_mahasiswa'],
136                          "nama_prodi" => ucwords($row['nama_prodi']),
137                          "id_dosen" => $row['id_dosen']
138                      );
139                  }
140                  $json['status']  = 200;
141                  $json['message'] = 'Berhasil mengambil konfirmasi';
142                  $json['data']    = $datas;
143                  echo json_encode($json);
144                  mysqli_close($this->connection);
145              } elseif (mysqli_num_rows($result) == 0) {
146                  $json['status']  = 300;
147                  $json['message'] = 'Konfirmasi tidak ada';
148                  echo json_encode($json);
149                  mysqli_close($this->connection);
150              } else {
151                  $json['status']  = 400;
152                  $json['message'] = 'Gagal mengambil konfirmasi';
153                  echo json_encode($json);
154                  mysqli_close($this->connection);
155              }
156          }
157          public function list_notifikasi($id_pembimbing){
158              $query = "SELECT id_intern, nama_mahasiswa, pesan_notifikasi,
          tgl_waktu_notifikasi FROM notifikasi INNER JOIN
         pembimbing_perusahaan ON id_pembimbing = id_pembimbing_notifikasi
          INNER JOIN mahasiswa ON id_mahasiswa = id_mahasiswa_notifikasi
         INNER JOIN intern ON id_intern = id_intern_notifikasi WHERE
```

```
       id_pembimbing_notifikasi='$id_pembimbing' AND status_intern='
       berjalan' ORDER BY tgl_waktu_notifikasi DESC";
159        $result = mysqli_query($this->connection, $query);
160        if (mysqli_num_rows($result) > 0) {
161            $datas = array();
162            $kalimat1 = "melakukan absensi pada";
163            $kalimat2 = "mengkonfirmasi absensi";
164            $kalimat3 = "mendaftar ke perusahaan";
165            $kalimat4 = "mengkonfirmasi pendaftaran";
166            while ($row = mysqli_fetch_array($result)) {
167                $pesan = "";
168                if (preg_match("~\b" . $row['pesan_notifikasi'] . "\b
       ~", $kalimat1)) {
169                    $pesan = ucwords($row['nama_mahasiswa']) . " " .
       $row['pesan_notifikasi'];
170                } elseif (preg_match("~\b" . $row['pesan_notifikasi']
        . "\b~", $kalimat2)) {
171                    $pesan = "Anda " . $row['pesan_notifikasi'] . " "
        . ucwords($row['nama_mahasiswa']) . " pada";
172                } elseif (preg_match("~\b" . $row['pesan_notifikasi']
        . "\b~", $kalimat3)) {
173                    $pesan = ucwords(($row['nama_mahasiswa'])) . " "
        . $row['pesan_notifikasi'] . " Anda pada";
174                } elseif (preg_match("~\b" . $row['pesan_notifikasi']
        . "\b~", $kalimat4)) {
175                    $pesan = "Anda " . $row['pesan_notifikasi'] . " "
        . ucwords($row['nama_mahasiswa']) . " pada";
176                }
177                $datas[] = array(
178                    "id_intern" => $row['id_intern'],
179                    "pesan" => $pesan . " " . date_format(date_create
       ($row['tgl_waktu_notifikasi']), 'd F Y \p\u\k\u\l G:i A'),
180                    "tgl_waktu" => $row['tgl_waktu_notifikasi']
181                );
182            }
183            $json['status'] = 200;
184            $json['message'] = 'Berhasil mengambil notifikasi';
185            $json['data'] = $datas;
186            echo json_encode($json);
187            mysqli_close($this->connection);
188        } elseif (mysqli_num_rows($result) == 0) {
189            $json['status'] = 300;
190            $json['message'] = 'Notifikasi tidak ada';
191            echo json_encode($json);
192            mysqli_close($this->connection);
193        } else {
194            $json['status'] = 400;
195            $json['message'] = 'Gagal mengambil notifikasi';
196            echo json_encode($json);
197            mysqli_close($this->connection);
198        }
199    }
200    public function konfirm_mahasiswa($id_intern, $id_pembimbing,
       $id_mahasiswa, $id_dosen){
201        $query1 = "UPDATE detail_intern SET status_perusahaan='
       diterima' WHERE id_pembimbing_dt_intern='$id_pembimbing' AND
```

```php
            id_mahasiswa_dt_intern='$id_mahasiswa' AND id_intern_dt_intern='
            $id_intern' AND (status_perusahaan IS NULL OR status_perusahaan =
            '')";
202         $result1 = mysqli_query($this->connection, $query1);
203         $tgl_waktu = date("Y-m-d h:i:s");
204         $query2 = "INSERT INTO notifikasi(id_intern_notifikasi,
            id_mahasiswa_notifikasi, id_dosen_notifikasi,
            id_pembimbing_notifikasi, pesan_notifikasi, tgl_waktu_notifikasi)
            VALUES ('$id_intern', '$id_mahasiswa', '$id_dosen', '
            $id_pembimbing', 'mengkonfirmasi pendaftaran', '$tgl_waktu')";
205         $result2 = mysqli_query($this->connection, $query2);
206         if ($this->connection->affected_rows > 0 && $result1 &&
            $result2) {
207             $json['status']  = 200;
208             $json['message'] = 'Mahasiswa berhasil dikonfirmasi';
209             echo json_encode($json);
210             mysqli_close($this->connection);
211         } else {
212             $json['status']  = 400;
213             $json['message'] = 'Mahasiswa gagal dikonfirmasi';
214             echo json_encode($json);
215             mysqli_close($this->connection);
216         }
217     }
218
219     public function konfirm_absensi($id_intern, $id_pembimbing,
        $id_mahasiswa, $id_dosen, $id_absensi){
220         $query1 = "UPDATE absensi SET status_absensi='diterima' WHERE
            id_pembimbing_absensi='$id_pembimbing' AND id_mahasiswa_absensi
            ='$id_mahasiswa' AND id_intern_absensi='$id_intern' AND
            id_absensi='$id_absensi'";
221         $result1 = mysqli_query($this->connection, $query1);
222         $tgl_waktu = date("Y-m-d h:i:s");
223         $query2 = "INSERT INTO notifikasi(id_intern_notifikasi,
            id_mahasiswa_notifikasi, id_dosen_notifikasi,
            id_pembimbing_notifikasi, pesan_notifikasi, tgl_waktu_notifikasi)
            VALUES ('$id_intern', '$id_mahasiswa', '$id_dosen', '
            $id_pembimbing', 'mengkonfirmasi absensi', '$tgl_waktu')";
224         $result2 = mysqli_query($this->connection, $query2);
225         if ($this->connection->affected_rows > 0 && $result1 &&
            $result2) {
226             $json['status']  = 200;
227             $json['message'] = 'Absensi berhasil dikonfirmasi';
228             echo json_encode($json);
229             mysqli_close($this->connection);
230         } else {
231             $json['status']  = 400;
232             $json['message'] = 'Absensi gagal dikonfirmasi';
233             echo json_encode($json);
234             mysqli_close($this->connection);
235         }
236     }
237     public function list_mahasiswa($id_pembimbing) {
238         $query = "SELECT id_intern, id_mahasiswa, nama_mahasiswa,
            foto_mahasiswa, kontak_mahasiswa, nama_prodi, angkatan_mahasiswa
            FROM detail_intern INNER JOIN intern ON detail_intern.
```

```
       id_intern_dt_intern = intern.id_intern INNER JOIN mahasiswa ON
       detail_intern.id_mahasiswa_dt_intern = mahasiswa.id_mahasiswa
       INNER JOIN prodi ON mahasiswa.id_prodi_mahasiswa = prodi.id_prodi
        WHERE id_pembimbing_dt_intern='$id_pembimbing' AND intern.
       status_intern='berjalan' AND (status_perusahaan IS NOT NULL OR
       status_perusahaan != '') ORDER BY nama_mahasiswa ASC";
239        $result = mysqli_query($this->connection, $query);
240        if (mysqli_num_rows($result) > 0) {
241            $datas = array();
242            while ($row = mysqli_fetch_array($result)) {
243                $datas[] = array(
244                    "id_intern" => $row['id_intern'],
245                    "id_mahasiswa" => $row['id_mahasiswa'],
246                    "nama_mahasiswa" => ucwords($row['nama_mahasiswa'
       ]),
247                    "foto_mahasiswa" => $row['foto_mahasiswa'],
248                    "kontak_mahasiswa" => $row['kontak_mahasiswa'],
249                    "nama_prodi" => ucwords($row['nama_prodi']),
250                    "angkatan_mahasiswa" => $row['angkatan_mahasiswa'
       ]
251                );
252            }
253            $json['status'] = 200;
254            $json['message'] = 'Berhasil mengambil mahasiswa';
255            $json['data'] = $datas;
256            echo json_encode($json);
257            mysqli_close($this->connection);
258        } elseif (mysqli_num_rows($result) == 0) {
259            $json['status'] = 300;
260            $json['message'] = 'Mahasiswa tidak ada';
261            echo json_encode($json);
262            mysqli_close($this->connection);
263        } else {
264            $json['status'] = 400;
265            $json['message'] = 'Gagal mengambil mahasiswa';
266            echo json_encode($json);
267            mysqli_close($this->connection);
268        }
269    }
270    public function ubah_username($id_pembimbing, $username){
271        $query = "UPDATE user SET username='$username' WHERE id_user
       ='$id_pembimbing'";
272        $result = mysqli_query($this->connection, $query);
273        if ($this->connection->affected_rows > 0 && $result) {
274            $json['status'] = 200;
275            $json['message'] = 'Username berhasil diubah';
276            echo json_encode($json);
277            mysqli_close($this->connection);
278        } else {
279            $json['status'] = 400;
280            $json['message'] = 'Username gagal diubah';
281            echo json_encode($json);
282            mysqli_close($this->connection);
283        }
284    }
285    public function ubah_nama($id_pembimbing, $nama){
```

```php
286         $query = "UPDATE pembimbing_perusahaan SET nama_pembimbing='
        $nama' WHERE id_pembimbing='$id_pembimbing'";
287         $result = mysqli_query($this->connection, $query);
288         if ($this->connection->affected_rows > 0 && $result) {
289             $json['status']  = 200;
290             $json['message'] = 'Nama berhasil diubah';
291             echo json_encode($json);
292             mysqli_close($this->connection);
293         } else {
294             $json['status']  = 400;
295             $json['message'] = 'Nama gagal diubah';
296             echo json_encode($json);
297             mysqli_close($this->connection);
298         }
299     }
300     public function ubah_kontak($id_pembimbing, $kontak){
301         $query = "UPDATE pembimbing_perusahaan SET kontak_pembimbing
        ='$kontak' WHERE id_pembimbing='$id_pembimbing'";
302         $result = mysqli_query($this->connection, $query);
303         if ($this->connection->affected_rows > 0 && $result) {
304             $json['status']  = 200;
305             $json['message'] = 'Kontak berhasil diubah';
306             echo json_encode($json);
307             mysqli_close($this->connection);
308         } else {
309             $json['status']  = 400;
310             $json['message'] = 'Kontak gagal diubah';
311             echo json_encode($json);
312             mysqli_close($this->connection);
313         }
314     }
315     public function ubah_perusahaan($id_pembimbing, $perusahaan){
316         $query = "UPDATE pembimbing_perusahaan SET
        nama_perusahaan_perusahaan='$perusahaan' WHERE id_pembimbing='
        $id_pembimbing'";
317         $result = mysqli_query($this->connection, $query);
318         if ($this->connection->affected_rows > 0 && $result) {
319             $json['status']  = 200;
320             $json['message'] = 'Perusahaan berhasil diubah';
321             echo json_encode($json);
322             mysqli_close($this->connection);
323         } else {
324             $json['status']  = 400;
325             $json['message'] = 'Perusahaan gagal diubah';
326             echo json_encode($json);
327             mysqli_close($this->connection);
328         }
329     }
330     public function ubah_foto($id_pembimbing, $foto){
331         $query = "UPDATE pembimbing_perusahaan SET foto_pembimbing='
        $foto' WHERE id_pembimbing='$id_pembimbing'";
332         $result = mysqli_query($this->connection, $query);
333         if ($this->connection->affected_rows > 0 && $result) {
334             $json['status']  = 200;
335             $json['message'] = 'Foto berhasil diubah';
336             echo json_encode($json);
```

```
337                 mysqli_close($this->connection);
338                 return true;
339             } else {
340                 $json['status']  = 400;
341                 $json['message'] = 'Foto gagal diubah';
342                 echo json_encode($json);
343                 mysqli_close($this->connection);
344                 return false;
345             }
346         }
347         public function ubah_password($id_pembimbing, $password){
348             $query = "UPDATE user SET password='$password' WHERE id_user
        ='$id_pembimbing'";
349             $result = mysqli_query($this->connection, $query);
350             if ($this->connection->affected_rows > 0 && $result) {
351                 $json['status']  = 200;
352                 $json['message'] = 'Password berhasil diubah';
353                 echo json_encode($json);
354                 mysqli_close($this->connection);
355             } else {
356                 $json['status']  = 400;
357                 $json['message'] = 'Password gagal diubah';
358                 echo json_encode($json);
359                 mysqli_close($this->connection);
360             }
361         }
362 }
```

Kemudian tambahkan script berikut di file pembimbing_konfirm_absensi.php pada folder pembimbing.

```php
1 <?php
2 include('pembimbing.php');
3 header('Content-Type: application/json');
4 $p = new Pembimbing();
5 if (isset($_POST['id_intern'], $_POST['id_pembimbing'], $_POST['
      id_mahasiswa'], $_POST['id_dosen'], $_POST['id_absensi'])) {
6     $id_intern = $_POST['id_intern'];
7     $id_pembimbing = $_POST['id_pembimbing'];
8     $id_mahasiswa = $_POST['id_mahasiswa'];
9     $id_dosen = $_POST['id_dosen'];
10    $id_absensi = $_POST['id_absensi'];
11    if (!empty($id_intern) && !empty($id_pembimbing) && !empty(
      $id_mahasiswa) && !empty($id_dosen) && !empty($id_absensi)) {
12        $p->konfirm_absensi($id_intern, $id_pembimbing, $id_mahasiswa
      , $id_dosen, $id_absensi);
13    } else {
14        $json['status']  = 100;
15        $json['message'] = 'Field tidak boleh kosong';
16        echo json_encode($json);
17    }
18 } else {
19    $json['status']  = 100;
20    $json['message'] = 'Field tidak boleh kosong';
21    echo json_encode($json);
22 }
```

Selanjutnya tambahkan script berikut di file pembimbing_konfirm_mahasiswa.php pada folder pembimbing.

```php
<?php
include ('pembimbing.php');
header ('Content-Type: application/json');
$p = new Pembimbing ();
if (isset($_POST['id_intern'], $_POST['id_pembimbing'], $_POST['id_mahasiswa'], $_POST['id_dosen'])) {
    $id_intern = $_POST['id_intern'];
    $id_pembimbing = $_POST['id_pembimbing'];
    $id_mahasiswa = $_POST['id_mahasiswa'];
    $id_dosen = $_POST['id_dosen'];
    if (!empty($id_intern) && !empty($id_pembimbing) && !empty($id_mahasiswa) && !empty($id_dosen)) {
        $p->konfirm_mahasiswa($id_intern, $id_pembimbing, $id_mahasiswa, $id_dosen);
    } else {
        $json['status']  = 100;
        $json['message'] = 'Field tidak boleh kosong';
        echo json_encode($json);
    }
} else {
    $json['status']  = 100;
    $json['message'] = 'Field tidak boleh kosong';
    echo json_encode($json);
}
```

Setelah itu, tambahkan script berikut di file pembimbing_list_konfirm_absensi.php pada folder pembimbing.

```php
<?php
include ('pembimbing.php');
header ('Content-Type: application/json');
$p = new Pembimbing ();
if (isset($_POST['id_pembimbing'])) {
    $id_pembimbing = $_POST['id_pembimbing'];
    if (!empty($id_pembimbing)) {
        $p->list_konfirm_absensi($id_pembimbing);
    } else {
        $json['status']  = 100;
        $json['message'] = 'Field tidak boleh kosong';
        echo json_encode($json);
    }
} else {
    $json['status']  = 100;
    $json['message'] = 'Field tidak boleh kosong';
    echo json_encode($json);
}
```

Kemudian tambahkan script berikut di file pembimbing_list_konfirmasi_mahasiswa.php pada folder pembimbing.

```php
<?php
include ('pembimbing.php');
header ('Content-Type: application/json');
$p = new Pembimbing ();
```

```
5  if (isset($_POST['id_pembimbing'])) {
6      $id_pembimbing = $_POST['id_pembimbing'];
7      if (!empty($id_pembimbing)) {
8          $p->list_konfirm_mahasiswa($id_pembimbing);
9      } else {
10         $json['status']  = 100;
11         $json['message'] = 'Field tidak boleh kosong';
12         echo json_encode($json);
13     }
14 } else {
15     $json['status']  = 100;
16     $json['message'] = 'Field tidak boleh kosong';
17     echo json_encode($json);
18 }
```

Selanjutnya tambahkan script berikut di file pembimbing_login.php pada folder pembimbing.

```
1  <?php
2  include('pembimbing.php');
3  header('Content-Type: application/json');
4  $p = new Pembimbing();
5  if (isset($_POST['username'], $_POST['password'])) {
6      $user = $_POST['username'];
7      $pass = $_POST['password'];
8      if (!empty($user) && !empty($pass)) {
9          $p->login_pembimbing($user, $pass);
10     } else {
11         $json['status']  = 100;
12         $json['message'] = 'Field tidak boleh kosong';
13         echo json_encode($json);
14     }
15 }
16 ?>
```

Setelah itu, tambahkan script berikut di file pembimbing_mahasiswa.php pada folder pembimbing.

```
1  <?php
2  include('pembimbing.php');
3  header('Content-Type: application/json');
4  $p = new Pembimbing();
5  if (isset($_POST['id_pembimbing'])) {
6      $id_pembimbing = $_POST['id_pembimbing'];
7      if (!empty($id_pembimbing)) {
8          $p->list_mahasiswa($id_pembimbing);
9      } else {
10         $json['status']  = 100;
11         $json['message'] = 'Field tidak boleh kosong';
12         echo json_encode($json);
13     }
14 } else {
15     $json['status']  = 100;
16     $json['message'] = 'Field tidak boleh kosong';
17     echo json_encode($json);
18 }
```

Kemudian tambahkan script berikut di file pembimbing_notifikasi.php pada folder pembimbing.

```php
<?php
include('pembimbing.php');
header('Content-Type: application/json');
$p = new Pembimbing();
if (isset($_POST['id_pembimbing'])) {
    $id_pembimbing = $_POST['id_pembimbing'];
    if (!empty($id_pembimbing)) {
        $p->list_notifikasi($id_pembimbing);
    } else {
        $json['status']  = 100;
        $json['message'] = 'Field tidak boleh kosong';
        echo json_encode($json);
    }
} else {
    $json['status']  = 100;
    $json['message'] = 'Field tidak boleh kosong';
    echo json_encode($json);
}
```

Selanjutnya tambahkan script berikut di file pembimbing_registrasi.php pada folder pembimbing.

```php
<?php
include('pembimbing.php');
header('Content-Type: application/json');
$p = new Pembimbing();
if (isset($_POST['nama_pembimbing'], $_POST['kontak_pembimbing'],
    $_POST['nama_perusahaan'], $_POST['username'], $_POST['password'
    ], $_POST['latitude_perusahaan'], $_POST['longitude_perusahaan'])
    ) {
    $nama_pembimbing = $_POST['nama_pembimbing'];
    $kontak_pembimbing = $_POST['kontak_pembimbing'];
    $nama_perusahaan = $_POST['nama_perusahaan'];
    $username = $_POST['username'];
    $password = $_POST['password'];
    $latitude_perusahaan = $_POST['latitude_perusahaan'];
    $longitude_perusahaan = $_POST['longitude_perusahaan'];

    if (!empty($nama_pembimbing) && !empty($kontak_pembimbing) && !
    empty($nama_perusahaan) && !empty($username) && !empty($password)
     && !empty($latitude_perusahaan) && !empty($longitude_perusahaan)
    ) {
        $p->registrasi_pembimbing($nama_pembimbing,
    $kontak_pembimbing, $nama_perusahaan, $username, $password,
    $latitude_perusahaan, $longitude_perusahaan);
    } else {
        $json['status']  = 100;
        $json['message'] = 'Field tidak boleh kosong';
        echo json_encode($json);
    }
} else {
    $json['status']  = 100;
    $json['message'] = 'Field tidak boleh kosong';
    echo json_encode($json);
```

```
25 }
```

Setelah itu, tambahkan script berikut di file pembimbing_ubah.php pada folder pem-
bimbing.

```php
1  <?php
2  include('pembimbing.php');
3  header('Content-Type: application/json');
4  $p = new Pembimbing();
5  $id_pembimbing = $_POST['id_pembimbing'];
6  if (isset($_POST['username'])) $username = $_POST['username'];
7  if (isset($_POST['nama'])) $nama = $_POST['nama'];
8  if (isset($_POST['kontak'])) $kontak = $_POST['kontak'];
9  if (isset($_POST['perusahaan'])) $perusahaan = $_POST['perusahaan'];
10 if (isset($_POST['password'])) $password = $_POST['password'];
11 if (isset($_FILES['foto']['name'])){
12     $foto = $_FILES['foto']['name'];
13     $temp_foto = $_FILES['foto']['tmp_name'];
14     $dir_pembimbing = "../images/pembimbing/";
15 }
16 if (!empty($id_pembimbing) && !empty($username)) {
17     $p->ubah_username($id_pembimbing, $username);
18 } elseif (!empty($id_pembimbing) && !empty($nama)) {
19     $p->ubah_nama($id_pembimbing, $nama);
20 } elseif (!empty($id_pembimbing) && !empty($kontak)) {
21     $p->ubah_kontak($id_pembimbing, $kontak);
22 } elseif (!empty($id_pembimbing) && !empty($perusahaan)) {
23     $p->ubah_perusahaan($id_pembimbing, $perusahaan);
24 } elseif (!empty($id_pembimbing) && !empty($password)) {
25     $p->ubah_password($id_pembimbing, $password);
26 } elseif (!empty($id_pembimbing) && !empty($foto)){
27     $result = $p->ubah_foto($id_pembimbing, $foto);
28     if ($result) {
29         $upload = move_uploaded_file($temp_foto, $dir_pembimbing.
       $foto);
30         if (!$upload) {
31             $json['status']  = 400;
32             $json['message'] = 'Gambar gagal terupload';
33             echo json_encode($json);
34         }
35     }
36 } else {
37     $json['status']  = 100;
38     $json['message'] = 'Field tidak boleh kosong';
39     echo json_encode($json);
40 }
```

4.1.3 Android

4.1.3.1 Mahasiswa Selanjutnya kita akan membuat aplikasi Android untuk ma-
hasiswa menggunakan Android Studio. Jadi pastikan sebelumnya anda telah men-
ginstall Android Studio. Pertama kita sesuaikan build.gradlenya menjadi seperti ini.

```
1 buildscript {
2     repositories {
```

```
3          google ()
4          jcenter ()
5          maven { url 'https://jitpack.io' }
6      }
7      dependencies {
8          classpath 'com.android.tools.build:gradle:3.5.2'
9      }
10 }
11 allprojects {
12     repositories {
13          google ()
14          jcenter ()
15          maven { url 'https://jitpack.io' }
16     }
17 }
18 task clean(type: Delete) {
19     delete rootProject.buildDir
20 }
```

Kemudian kita sesuaikan build.gradle kedua menjadi seperti ini.

```
1  apply plugin: 'com.android.application'
2  android {
3      compileSdkVersion 29
4      buildToolsVersion "29.0.2"
5      defaultConfig {
6          applicationId "com.divakrishnam.actspotmahasiswa"
7          minSdkVersion 19
8          targetSdkVersion 29
9          versionCode 1
10          versionName "1.0"
11          testInstrumentationRunner "androidx.test.runner.
    AndroidJUnitRunner"
12      }
13      buildTypes {
14          release {
15              minifyEnabled false
16              proguardFiles getDefaultProguardFile('proguard-android-
    optimize.txt'), 'proguard-rules.pro'
17          }
18      }
19      compileOptions {
20          sourceCompatibility JavaVersion.VERSION_1_8
21          targetCompatibility JavaVersion.VERSION_1_8
22      }
23 }
24 dependencies {
25     implementation fileTree(dir: 'libs', include: ['*.jar'])
26     implementation 'androidx.appcompat:appcompat:1.1.0'
27     implementation 'androidx.constraintlayout:constraintlayout:1.1.3'
28     implementation 'me.dm7.barcodescanner:zxing:1.9.8'
29     implementation 'androidx.legacy:legacy-support-v4:1.0.0'
30     implementation 'androidx.recyclerview:recyclerview:1.1.0'
31     implementation 'androidx.cardview:cardview:1.0.0'
32     implementation 'com.squareup.picasso:picasso:2.71828'
33     implementation 'de.hdodenhof:circleimageview:3.0.1'
```

```
34    implementation 'com.google.android.material:material:1.2.0-
      alpha02'
35    implementation 'com.jakewharton:butterknife:8.4.0'
36    annotationProcessor 'com.jakewharton:butterknife-compiler:8.4.0'
37    implementation 'com.squareup.retrofit2:retrofit:2.4.0'
38    implementation 'com.squareup.retrofit2:converter-gson:2.4.0'
39    implementation 'id.zelory:compressor:2.1.0'
40    implementation 'com.github.bumptech.glide:glide:4.10.0'
41    annotationProcessor 'com.github.bumptech.glide:compiler:4.10.0'
42    implementation 'com.google.android.gms:play-services-maps:17.0.0'
43    implementation 'com.github.PhilJay:MPAndroidChart:v3.1.0'
44    implementation 'com.theartofdev.edmodo:android-image-cropper
      :2.8.0'
45    implementation 'com.github.jkwiecien:EasyImage:1.3.1'
46    testImplementation 'junit:junit:4.12'
47    androidTestImplementation 'androidx.test.ext:junit:1.1.1'
48    androidTestImplementation 'androidx.test.espresso:espresso-core
      :3.2.0'
49 }
```

Selanjutnya kita buat file model Kegiatan.java di package model. Kemudian tambahkan script berikut di file tersebut.

```
1  package com.divakrishnam.actspotmahasiswa.model;
2  import com.google.gson.annotations.SerializedName;
3  public class Kegiatan {
4      @SerializedName("id_kegiatan")
5      private String idKegiatan;
6      @SerializedName("nama_kegiatan")
7      private String namaKegiatan;
8      public Kegiatan(String idKegiatan, String namaKegiatan) {
9          this.idKegiatan = idKegiatan;
10         this.namaKegiatan = namaKegiatan;
11     }
12     public String getIdKegiatan() {
13         return idKegiatan;
14     }
15     public String getNamaKegiatan() {
16         return namaKegiatan;
17     }
18 }
```

Setelah itu, kita buat file model Login.java di package model. Kemudian tambahkan script berikut di file tersebut.

```
1  package com.divakrishnam.actspotmahasiswa.model;
2  import com.google.gson.annotations.SerializedName;
3  public class Login {
4      @SerializedName("id_mahasiswa")
5      private String idMahasiswa;
6      @SerializedName("username")
7      private String username;
8      @SerializedName("password")
9      private String password;
10     @SerializedName("nama_mahasiswa")
11     private String namaMahasiswa;
12     @SerializedName("kelas_mahasiswa")
```

```java
13          private String kelasMahasiswa;
14          @SerializedName("angkatan_mahasiswa")
15          private String angkatanMahasiswa;
16          @SerializedName("foto_mahasiswa")
17          private String fotoMahasiswa;
18          @SerializedName("nama_prodi")
19          private String namaProdi;
20          @SerializedName("id_intern")
21          private String idIntern;
22          @SerializedName("id_dosen")
23          private String idDosen;
24          @SerializedName("nama_dosen")
25          private String namaDosen;
26          @SerializedName("nama_pembimbing")
27          private String namaPembimbing;
28          @SerializedName("id_pembimbing")
29          private String idPembimbing;
30          @SerializedName("nama_perusahaan")
31          private String namaPerusahaan;
32          @SerializedName("kontak_mahasiswa")
33          private String kontakMahasiswa;
34          public Login(String idIntern, String idMahasiswa, String idDosen)
             {
35              this.idMahasiswa = idMahasiswa;
36              this.idIntern = idIntern;
37              this.idDosen = idDosen;
38          }
39          public Login(String idMahasiswa, String username, String password
            , String namaMahasiswa, String kelasMahasiswa, String
            angkatanMahasiswa, String fotoMahasiswa, String namaProdi, String
             idIntern, String idDosen, String namaDosen, String
            namaPembimbing, String idPembimbing, String namaPerusahaan,
            String kontakMahasiswa) {
40              this.idMahasiswa = idMahasiswa;
41              this.username = username;
42              this.password = password;
43              this.namaMahasiswa = namaMahasiswa;
44              this.kelasMahasiswa = kelasMahasiswa;
45              this.angkatanMahasiswa = angkatanMahasiswa;
46              this.fotoMahasiswa = fotoMahasiswa;
47              this.namaProdi = namaProdi;
48              this.idIntern = idIntern;
49              this.idDosen = idDosen;
50              this.namaDosen = namaDosen;
51              this.namaPembimbing = namaPembimbing;
52              this.idPembimbing = idPembimbing;
53              this.namaPerusahaan = namaPerusahaan;
54              this.kontakMahasiswa = kontakMahasiswa;
55          }
56          public String getIdMahasiswa() {
57              return idMahasiswa;
58          }
59          public String getUsername() {
60              return username;
61          }
62          public String getPassword() {
```

```java
63          return password;
64      }
65      public String getNamaMahasiswa() {
66          return namaMahasiswa;
67      }
68      public String getKelasMahasiswa() {
69          return kelasMahasiswa;
70      }
71      public String getAngkatanMahasiswa() {
72          return angkatanMahasiswa;
73      }
74      public String getFotoMahasiswa() {
75          return fotoMahasiswa;
76      }
77      public String getNamaProdi() {
78          return namaProdi;
79      }
80      public String getIdIntern() {
81          return idIntern;
82      }
83      public String getIdDosen() {
84          return idDosen;
85      }
86      public String getNamaDosen() {
87          return namaDosen;
88      }
89      public String getNamaPerusahaan() {
90          return namaPerusahaan;
91      }
92      public String getIdPembimbing() {
93          return idPembimbing;
94      }
95      public String getNamaPembimbing() {
96          return namaPembimbing;
97      }
98      public String getKontakMahasiswa() {
99          return kontakMahasiswa;
100     }
101     public void setIdMahasiswa(String idMahasiswa) {
102         this.idMahasiswa = idMahasiswa;
103     }
104     public void setUsername(String username) {
105         this.username = username;
106     }
107     public void setPassword(String password) {
108         this.password = password;
109     }
110     public void setNamaMahasiswa(String namaMahasiswa) {
111         this.namaMahasiswa = namaMahasiswa;
112     }
113     public void setKelasMahasiswa(String kelasMahasiswa) {
114         this.kelasMahasiswa = kelasMahasiswa;
115     }
116     public void setAngkatanMahasiswa(String angkatanMahasiswa) {
117         this.angkatanMahasiswa = angkatanMahasiswa;
118     }
```

```
119    public void setFotoMahasiswa(String fotoMahasiswa) {
120        this.fotoMahasiswa = fotoMahasiswa;
121    }
122    public void setNamaProdi(String namaProdi) {
123        this.namaProdi = namaProdi;
124    }
125    public void setIdIntern(String idIntern) {
126        this.idIntern = idIntern;
127    }
128    public void setIdDosen(String idDosen) {
129        this.idDosen = idDosen;
130    }
131    public void setNamaDosen(String namaDosen) {
132        this.namaDosen = namaDosen;
133    }
134    public void setNamaPembimbing(String namaPembimbing) {
135        this.namaPembimbing = namaPembimbing;
136    }
137    public void setIdPembimbing(String idPembimbing) {
138        this.idPembimbing = idPembimbing;
139    }
140    public void setNamaPerusahaan(String namaPerusahaan) {
141        this.namaPerusahaan = namaPerusahaan;
142    }
143    public void setKontakMahasiswa(String kontakMahasiswa) {
144        this.kontakMahasiswa = kontakMahasiswa;
145    }
146 }
```

Selanjutnya kita buat file model Notification.java di package model. Kemudian tambahkan script berikut di file tersebut.

```
1  package com.divakrishnam.actspotmahasiswa.model;
2  import com.google.gson.annotations.SerializedName;
3  public class Notification {
4      @SerializedName("id_intern")
5      private String idIntern;
6      @SerializedName("pesan")
7      private String pesan;
8      @SerializedName("tgl_waktu")
9      private String tglWaktu;
10     public Notification(String idIntern, String pesan, String
       tglWaktu) {
11         this.idIntern = idIntern;
12         this.pesan = pesan;
13         this.tglWaktu = tglWaktu;
14     }
15     public String getIdIntern() {
16         return idIntern;
17     }
18     public String getPesan() {
19         return pesan;
20     }
21     public String getTglWaktu() {
22         return tglWaktu;
23     }
24 }
```

Setelah itu, kita buat file model Pembimbing.java di package model. Kemudian tambahkan script berikut di file tersebut.

```
package com.divakrishnam.actspotmahasiswa.model;
import com.google.gson.annotations.SerializedName;
public class Pembimbing {
    @SerializedName("id_pembimbing")
    private String idPembimbing;
    @SerializedName("nama_pembimbing")
    private String namaPembimbing;
    @SerializedName("nama_perusahaan")
    private String namaPerusahaan;
    public Pembimbing(String idPembimbing, String namaPembimbing,
    String namaPerusahaan) {
        this.idPembimbing = idPembimbing;
        this.namaPembimbing = namaPembimbing;
        this.namaPerusahaan = namaPerusahaan;
    }
    public String getIdPembimbing() {
        return idPembimbing;
    }
    public String getNamaPembimbing() {
        return namaPembimbing;
    }
    public String getNamaPerusahaan() {
        return namaPerusahaan;
    }
}
```

Selanjutnya kita buat file model Kegiatan.java di package model. Kemudian tambahkan script berikut di file tersebut.

```
package com.divakrishnam.actspotmahasiswa.model;
import com.google.gson.annotations.SerializedName;
public class Progress {
    @SerializedName("sort")
    private String sort;
    @SerializedName("persen")
    private String persen;
    @SerializedName("tgl_waktu")
    private String tglWaktu;
    public Progress(String sort, String persen, String tglWaktu) {
        this.sort = sort;
        this.persen = persen;
        this.tglWaktu = tglWaktu;
    }
    public String getSort() {
        return sort;
    }
    public String getPersen() {
        return persen;
    }
    public String getTglWaktu() {
        return tglWaktu;
    }
}
```

Setelah itu, kita buat file model ProgressPerDay.java di package model. Kemudian tambahkan script berikut di file tersebut.

```java
package com.divakrishnam.actspotmahasiswa.model;
import com.google.gson.annotations.SerializedName;
public class ProgressPerDay {
    @SerializedName("tgl_waktu")
    private String tglWaktu;
    @SerializedName("kegiatan")
    private String kegiatan;
    @SerializedName("foto_absensi")
    private String fotoAbsensi;
    @SerializedName("pergeseran")
    private String pergeseran;
    public ProgressPerDay(String tglWaktu, String kegiatan, String fotoAbsensi, String pergeseran) {
        this.tglWaktu = tglWaktu;
        this.kegiatan = kegiatan;
        this.fotoAbsensi = fotoAbsensi;
        this.pergeseran = pergeseran;
    }
    public String getTglWaktu() {
        return tglWaktu;
    }
    public String getKegiatan() {
        return kegiatan;
    }
    public String getFotoAbsensi() {
        return fotoAbsensi;
    }
    public String getPergeseran() {
        return pergeseran;
    }
}
```

Selanjutnya kita buat file model ResponseInfo.java di package model. Kemudian tambahkan script berikut di file tersebut.

```java
package com.divakrishnam.actspotmahasiswa.model;
import com.google.gson.annotations.SerializedName;
public class ResponseInfo {
    @SerializedName("status")
    private String status;
    @SerializedName("message")
    private String message;
    public ResponseInfo(String status, String message) {
        this.status = status;
        this.message = message;
    }
    public String getStatus() {
        return status;
    }
    public String getMessage() {
        return message;
    }
}
```

Setelah itu, kita buat file model ResponseKegiatan.java di package model. Kemudian tambahkan script berikut di file tersebut.

```java
package com.divakrishnam.actspotmahasiswa.model;
import com.google.gson.annotations.SerializedName;
import java.util.List;
public class ResponseKegiatan {
    @SerializedName("status")
    private String status;
    @SerializedName("message")
    private String message;
    @SerializedName("data")
    private List<Kegiatan> data;
    public ResponseKegiatan(String status, String message, List<
    Kegiatan> data) {
        this.status = status;
        this.message = message;
        this.data = data;
    }
    public String getStatus() {
        return status;
    }
    public String getMessage() {
        return message;
    }
    public List<Kegiatan> getData() {
        return data;
    }
}
```

Setelah itu, kita buat file model ResponseLogin.java di package model. Kemudian tambahkan script berikut di file tersebut.

```java
package com.divakrishnam.actspotmahasiswa.model;
import com.google.gson.annotations.SerializedName;
public class ResponseLogin {
    @SerializedName("status")
    private String status;
    @SerializedName("message")
    private String message;
    @SerializedName("data")
    private Login data;
    public ResponseLogin(String status, String message, Login data) {
        this.status = status;
        this.message = message;
        this.data = data;
    }
    public String getStatus() {
        return status;
    }
    public String getMessage() {
        return message;
    }
    public Login getData() {
        return data;
    }
}
```

Selanjutnya kita buat file model ResponseInfo.java di package model. Kemudian tambahkan script berikut di file tersebut.

```java
package com.divakrishnam.actspotmahasiswa.model;
import com.google.gson.annotations.SerializedName;
import java.util.List;
public class ResponseNotification {
    @SerializedName("status")
    private String status;
    @SerializedName("message")
    private String message;
    @SerializedName("data")
    private List<Notification> data;
    public ResponseNotification(String status, String message, List<
    Notification> data) {
        this.status = status;
        this.message = message;
        this.data = data;
    }
    public String getStatus() {
        return status;
    }
    public String getMessage() {
        return message;
    }
    public List<Notification> getData() {
        return data;
    }
}
```

Setelah itu, kita buat file model ResponsePembimbing.java di package model. Kemudian tambahkan script berikut di file tersebut.

```java
package com.divakrishnam.actspotmahasiswa.model;
import com.google.gson.annotations.SerializedName;
import java.util.List;
public class ResponsePembimbing {
    @SerializedName("status")
    private String status;
    @SerializedName("message")
    private String message;
    @SerializedName("data")
    private List<Pembimbing> data;
    public ResponsePembimbing(String status, String message, List<
    Pembimbing> data) {
        this.status = status;
        this.message = message;
        this.data = data;
    }
    public String getStatus() {
        return status;
    }
    public String getMessage() {
        return message;
    }
    public List<Pembimbing> getData() {
        return data;
```

```
24        }
25 }
```

Selanjutnya kita buat file model ResponseProgress.java di package model. Kemudian tambahkan script berikut di file tersebut.

```
1  package com.divakrishnam.actspotmahasiswa.model;
2  import com.google.gson.annotations.SerializedName;
3  import java.util.List;
4  public class ResponseProgress {
5      @SerializedName("status")
6      private String status;
7      @SerializedName("message")
8      private String message;
9      @SerializedName("data")
10     private List<Progress> data;
11     public ResponseProgress(String status, String message, List<
       Progress> data) {
12         this.status = status;
13         this.message = message;
14         this.data = data;
15     }
16     public String getStatus() {
17         return status;
18     }
19     public String getMessage() {
20         return message;
21     }
22     public List<Progress> getData() {
23         return data;
24     }
25 }
```

Setelah itu, kita buat file model ResponseProgressPerDay.java di package model. Kemudian tambahkan script berikut di file tersebut.

```
1  package com.divakrishnam.actspotmahasiswa.model;
2  import com.google.gson.annotations.SerializedName;
3  import java.util.List;
4  public class ResponseProgressPerDay {
5      @SerializedName("status")
6      private String status;
7      @SerializedName("message")
8      private String message;
9      @SerializedName("data")
10     private List<ProgressPerDay> data;
11     public ResponseProgressPerDay(String status, String message, List
       <ProgressPerDay> data) {
12         this.status = status;
13         this.message = message;
14         this.data = data;
15     }
16     public String getStatus() {
17         return status;
18     }
19     public String getMessage() {
20         return message;
```

```
21        }
22        public List<ProgressPerDay> getData() {
23            return data;
24        }
25   }
```

Selanjutnya kita buat file MahasiswaFileProvider.java di package util. Kemudian tambahkan script berikut di file tersebut.

```
1    package com.divakrishnam.actspotmahasiswa.util;
2    import androidx.core.content.FileProvider;
3    public class MahasiswaFileProvider extends FileProvider{
4    }
```

Setelah itu, kita buat file SharedPrefManager.java di package util. Kemudian tambahkan script berikut di file tersebut.

```
1    package com.divakrishnam.actspotmahasiswa.util;
2    import android.content.Context;
3    import com.divakrishnam.actspotmahasiswa.model.Login;
4    public class SharedPrefManager {
5        private android.content.SharedPreferences pref;
6        private android.content.SharedPreferences.Editor editor;
7        private static SharedPrefManager mInstance;
8        private static Context mContext;
9        private static final String SHARED_PREF_NAME = "actspotmahasiswa"
         ;
10       private static final String KEY_IDMAHASISWA = "keyidmahasiswa";
11       private static final String KEY_USERNAME = "keyusername";
12       private static final String KEY_PASSWORD = "keypassword";
13       private static final String KEY_NAMAMAHASISWA = "keynamamahasiswa
         ";
14       private static final String KEY_KELASMAHASISWA = "
         keykelasmahasiswa";
15       private static final String KEY_ANGKATANMAHASISWA = "
         keyangkatanmahasiswa";
16       private static final String KEY_FOTOMAHASISWA = "keyfotomahasiswa
         ";
17       private static final String KEY_NAMAPRODI = "keynamaprodi";
18       private static final String KEY_IDINTERN = "keyidintern";
19       private static final String KEY_IDDOSEN = "keyiddosen";
20       private static final String KEY_IDPEMBIMBING = "keyidpembimbing";
21       private static final String KEY_NAMADOSEN = "keynamadosen";
22       private static final String KEY_NAMAPERUSAHAAN = "
         keynamaperusahaan";
23       private static final String KEY_NAMAPEMBIMBING = "
         keynamapembimbing";
24       private static final String KEY_KONTAKMAHASISWA = "
         keykontakmahasiswa";
25       private static final String KEY_SORT = "keysort";
26       private SharedPrefManager(Context context) {
27           mContext = context;
28           pref = context.getSharedPreferences(SHARED_PREF_NAME, Context
         .MODE_PRIVATE);
29           editor = pref.edit();
30       }
31       public static synchronized SharedPrefManager getInstance(Context
         context) {
```

```
32          if (mInstance == null) {
33              mInstance = new SharedPrefManager(context);
34          }
35          return mInstance;
36      }
37      public void mahasiswaLogin(Login login) {
38          editor.putString(KEY_IDMAHASISWA, login.getIdMahasiswa());
39          editor.putString(KEY_USERNAME, login.getUsername());
40          editor.putString(KEY_PASSWORD, login.getPassword());
41          editor.putString(KEY_NAMAMAHASISWA, login.getNamaMahasiswa())
    ;
42          editor.putString(KEY_KELASMAHASISWA, login.getKelasMahasiswa
    ());
43          editor.putString(KEY_ANGKATANMAHASISWA, login.
    getAngkatanMahasiswa());
44          editor.putString(KEY_FOTOMAHASISWA, login.getFotoMahasiswa())
    ;
45          editor.putString(KEY_NAMAPRODI, login.getNamaProdi());
46          editor.putString(KEY_IDINTERN, login.getIdIntern());
47          editor.putString(KEY_IDDOSEN, login.getIdDosen());
48          editor.putString(KEY_IDPEMBIMBING, login.getIdPembimbing());
49          editor.putString(KEY_NAMADOSEN, login.getNamaDosen());
50          editor.putString(KEY_NAMAPEMBIMBING, login.getNamaPembimbing
    ());
51          editor.putString(KEY_NAMAPERUSAHAAN, login.getNamaPerusahaan
    ());
52          editor.putString(KEY_KONTAKMAHASISWA, login.
    getKontakMahasiswa());
53          editor.apply();
54      }
55      public void setSort(String sort){
56          editor.putString(KEY_SORT, sort);
57          editor.apply();
58      }
59      public String getSort(){
60          return pref.getString(KEY_SORT, null);
61      }
62      public Login getMahasiswaLogin() {
63          return new Login(
64              pref.getString(KEY_IDMAHASISWA, null),
65              pref.getString(KEY_USERNAME, null),
66              pref.getString(KEY_PASSWORD, null),
67              pref.getString(KEY_NAMAMAHASISWA, null),
68              pref.getString(KEY_KELASMAHASISWA, null),
69              pref.getString(KEY_ANGKATANMAHASISWA, null),
70              pref.getString(KEY_FOTOMAHASISWA, null),
71              pref.getString(KEY_NAMAPRODI, null),
72              pref.getString(KEY_IDINTERN, null),
73              pref.getString(KEY_IDDOSEN, null),
74              pref.getString(KEY_NAMADOSEN, null),
75              pref.getString(KEY_NAMAPEMBIMBING, null),
76              pref.getString(KEY_IDPEMBIMBING, null),
77              pref.getString(KEY_NAMAPERUSAHAAN, null),
78              pref.getString(KEY_KONTAKMAHASISWA, null)
79          );
80      }
```

```java
81      public void registrasiPerusahaan(Login login) {
82          editor.putString(KEY_IDINTERN, login.getIdIntern());
83          editor.putString(KEY_IDMAHASISWA, login.getIdMahasiswa());
84          editor.putString(KEY_IDDOSEN, login.getIdDosen());
85          editor.apply();
86      }
87      public boolean isLoggedIn() {
88          return pref.getString(KEY_IDMAHASISWA, null) != null && pref.
            getString(KEY_NAMAPERUSAHAAN, null) != null;
89      }
90      public Login getRegistrasiPerusahaan() {
91          return new Login(
92              pref.getString(KEY_IDINTERN, null),
93              pref.getString(KEY_IDMAHASISWA, null),
94              pref.getString(KEY_IDDOSEN, null)
95          );
96      }
97      public void logout() {
98          editor.clear();
99          editor.apply();
100     }
101 }
```

Selanjutnya kita buat file Urls.java di package util. Kemudian tambahkan script berikut di file tersebut.

```java
1 package com.divakrishnam.actspotmahasiswa.util;
2 public class Urls {
3     public static final String API_URL = "http://actspot.
      himatifpolpos.my.id/";
4     public static final String IMAGE_URL = "http://actspot.
      himatifpolpos.my.id/images/";
5 }
```

Setelah itu, kita buat file APIClient.java di package api. Kemudian tambahkan script berikut di file tersebut.

```java
1  package com.divakrishnam.actspotmahasiswa.api;
2  import com.divakrishnam.actspotmahasiswa.util.Urls;
3  import retrofit2.Retrofit;
4  import retrofit2.converter.gson.GsonConverterFactory;
5  public class APIClient {
6      private static Retrofit retrofit = null;
7      public static Retrofit getClient() {
8          if (retrofit==null) {
9              retrofit = new Retrofit.Builder()
10                     .baseUrl(Urls.API_URL)
11                     .addConverterFactory(GsonConverterFactory.create
       ())
12                     .build();
13         }
14         return retrofit;
15     }
16 }
```

Selanjutnya kita buat file APIService.java di package api. Kemudian tambahkan script berikut di file tersebut.

```java
package com.divakrishnam.actspotmahasiswa.api;
import com.divakrishnam.actspotmahasiswa.model.ResponseInfo;
import com.divakrishnam.actspotmahasiswa.model.ResponseKegiatan;
import com.divakrishnam.actspotmahasiswa.model.ResponseLogin;
import com.divakrishnam.actspotmahasiswa.model.ResponseNotification;
import com.divakrishnam.actspotmahasiswa.model.ResponsePembimbing;
import com.divakrishnam.actspotmahasiswa.model.ResponseProgress;
import com.divakrishnam.actspotmahasiswa.model.ResponseProgressPerDay;
import okhttp3.MultipartBody;
import okhttp3.RequestBody;
import retrofit2.Call;
import retrofit2.http.Field;
import retrofit2.http.FormUrlEncoded;
import retrofit2.http.GET;
import retrofit2.http.Multipart;
import retrofit2.http.POST;
import retrofit2.http.Part;
public interface APIService {
    @FormUrlEncoded
    @POST("mahasiswa/mahasiswa_registrasi.php")
    Call<ResponseInfo> mahasiswaRegistrasi(
            @Field("kode_otp") String kode_otp
    );
    @FormUrlEncoded
    @POST("mahasiswa/mahasiswa_login.php")
    Call<ResponseLogin> mahasiswaLogin(
            @Field("username") String username,
            @Field("password") String password
    );
    @GET("mahasiswa/mahasiswa_pembimbing.php")
    Call<ResponsePembimbing> getPembimbing();
    @GET("mahasiswa/mahasiswa_kegiatan.php")
    Call<ResponseKegiatan> getKegiatan();
    @Multipart
    @POST("mahasiswa/mahasiswa_perusahaan.php")
    Call<ResponseInfo> registrasiPerusahaan(
            @Part("id_dosen") RequestBody id_dosen,
            @Part("id_intern") RequestBody id_intern,
            @Part("id_mahasiswa") RequestBody id_mahasiswa,
            @Part("nama_perusahaan") RequestBody nama_perusahaan,
            @Part("id_pembimbing") RequestBody id_pembimbing,
            @Part("latitude_perusahaan") RequestBody
    latitude_perusahaan,
            @Part("longitude_perusahaan") RequestBody
    longitude_perusahaan,
            @Part MultipartBody.Part foto_perusahaan
    );
    @Multipart
    @POST("mahasiswa/mahasiswa_absensi.php")
    Call<ResponseInfo> takeAbsence(
            @Part("id_intern") RequestBody id_intern,
            @Part("id_mahasiswa") RequestBody id_mahasiswa,
            @Part("id_dosen") RequestBody id_dosen,
            @Part("latitude_absensi") RequestBody latitude_absensi,
            @Part("longitude_absensi") RequestBody longitude_absensi,
```

```
54              @Part("imei_perangkat") RequestBody imei_perangkat,
55              @Part("id_kegiatan") RequestBody id_kegiatan,
56              @Part("tgl_waktu") RequestBody tgl_waktu,
57              @Part("id_pembimbing") RequestBody id_pembimbing,
58              @Part MultipartBody.Part foto_absensi
59      );
60      @FormUrlEncoded
61      @POST("mahasiswa/mahasiswa_progress.php")
62      Call<ResponseProgress> progressMahasiswa(
63              @Field("id_intern") String idIntern,
64              @Field("id_mahasiswa") String idMahasiswa,
65              @Field("sort") String sort
66      );
67      @FormUrlEncoded
68      @POST("mahasiswa/mahasiswa_progress_harian.php")
69      Call<ResponseProgressPerDay> progressPerDayMahasiswa(
70              @Field("id_intern") String idIntern,
71              @Field("id_mahasiswa") String idMahasiswa,
72              @Field("tgl") String tgl
73      );
74      @FormUrlEncoded
75      @POST("mahasiswa/mahasiswa_notifikasi.php")
76      Call<ResponseNotification> notificationMahasiswa(
77              @Field("id_intern") String idIntern,
78              @Field("id_mahasiswa") String idMahasiswa
79      );
80      @FormUrlEncoded
81      @POST("mahasiswa/mahasiswa_ubah.php")
82      Call<ResponseInfo> mahasiswaUbahUsername(
83              @Field("id_mahasiswa") String idMahasiswa,
84              @Field("username") String username
85      );
86      @FormUrlEncoded
87      @POST("mahasiswa/mahasiswa_ubah.php")
88      Call<ResponseInfo> mahasiswaUbahPassword(
89              @Field("id_mahasiswa") String idMahasiswa,
90              @Field("password") String password
91      );
92      @FormUrlEncoded
93      @POST("mahasiswa/mahasiswa_ubah.php")
94      Call<ResponseInfo> mahasiswaUbahNama(
95              @Field("id_mahasiswa") String idMahasiswa,
96              @Field("nama") String nama
97      );
98      @FormUrlEncoded
99      @POST("mahasiswa/mahasiswa_ubah.php")
100     Call<ResponseInfo> mahasiswaUbahKontak(
101             @Field("id_mahasiswa") String idMahasiswa,
102             @Field("kontak") String kontak
103     );
104     @FormUrlEncoded
105     @POST("mahasiswa/mahasiswa_ubah.php")
106     Call<ResponseInfo> mahasiswaUbahKelas(
107             @Field("id_mahasiswa") String idMahasiswa,
108             @Field("kelas") String kelas
109     );
```

```
110    @FormUrlEncoded
111    @POST("mahasiswa/mahasiswa_ubah.php")
112    Call<ResponseInfo> mahasiswaUbahAngkatan(
113            @Field("id_mahasiswa") String idMahasiswa,
114            @Field("angkatan") String angkatan
115    );
116    @Multipart
117    @POST("mahasiswa/mahasiswa_ubah.php")
118    Call<ResponseInfo> mahasiswaUbahFoto(
119            @Part("id_mahasiswa") RequestBody id_mahasiswa,
120            @Part MultipartBody.Part foto
121    );
122 }
```

Setelah itu, kita buat file custom_edittext.xml di package drawable. Kemudian tambahkan script berikut di file tersebut.

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <shape xmlns:android="http://schemas.android.com/apk/res/android"
3     android:shape="rectangle">
4     <solid android:color="#FFFFFF" />
5     <stroke
6         android:width="1dp"
7         android:color="#c0c0c0" />
8 </shape>
```

Selanjutnya kita buat file state_bottom_navigation.xml di package drawable. Kemudian tambahkan script berikut di file tersebut.

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <selector xmlns:android="http://schemas.android.com/apk/res/android">
3     <item android:color="@color/colorPrimaryDark"
        android:state_checked="true"/>
4     <item android:color="@android:color/darker_gray"/>
5 </selector>
```

Setelah itu, kita buat file menu_bottom_nav.xml di package menu. Kemudian tambahkan script berikut di file tersebut.

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <menu xmlns:android="http://schemas.android.com/apk/res/android">
3     <item
4         android:id="@+id/menu_progress"
5         android:title="Progress"
6         android:icon="@drawable/ic_date_range_white"/>
7     <item
8         android:id="@+id/menu_absence"
9         android:title="Absensi"
10        android:icon="@drawable/ic_portrait_white"/>
11    <item
12        android:id="@+id/menu_notification"
13        android:title="Notifikasi"
14        android:icon="@drawable/ic_notifications_white"/>
15    <item
16        android:id="@+id/menu_profile"
17        android:title="Profil"
18        android:icon="@drawable/ic_person_white"/>
19 </menu>
```

Selanjutnya, kita buat file menu_progress.xml di package menu. Kemudian tambahkan script berikut di file tersebut.

```xml
<?xml version="1.0" encoding="utf-8"?>
<menu xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto">
    <item android:id="@+id/menu_sort_progress"
        android:title="Sort Progress"
        app:showAsAction="never"/>
</menu>
```

Setelah itu, kita buat file activity_company.xml di package layout. Kemudian tambahkan script berikut di file tersebut.

```xml
<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:fillViewport="true"
    tools:context=".activity.">
    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="vertical">
        <ImageView
            android:id="@+id/img_perusahaan"
            android:layout_width="match_parent"
            android:layout_height="340dp"
            android:scaleType="centerCrop"
            android:src="@drawable/profile"/>
        <LinearLayout
            android:id="@+id/linearLayout"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:background="@android:color/white"
            android:orientation="vertical"
            android:layout_marginBottom="18dp"
            android:layout_marginHorizontal="12dp">
            <ImageView
                android:layout_width="40dp"
                android:layout_height="40dp"
                android:src="@drawable/ic_info_outline_black"
                android:layout_gravity="center"
                android:layout_marginTop="20dp"/>
            <TextView
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:text="Anda belum melakukan pendaftaran
    perusahaan internship. Segera isi form berikut ini dan pastikan
    Anda melakukan pendaftaran ketika berada di perusahaan internship
    agar lebih mudah melakukan validasi."
                android:gravity="center"
                android:textSize="16sp"
                android:layout_margin="10dp"/>
            <TextView
```

```
40                    android:layout_width="match_parent"
41                    android:layout_height="wrap_content"
42                    android:text="Nama Perusahaan"
43                    android:layout_marginTop="20dp"/>
44              <Spinner
45                    android:id="@+id/sp_perusahaan"
46                    android:layout_width="match_parent"
47                    android:layout_height="42dp"
48                    android:layout_marginVertical="8dp"/>
49              <TextView
50                    android:layout_width="match_parent"
51                    android:layout_height="wrap_content"
52                    android:text="Nama Pembimbing"
53                    android:layout_marginTop="20dp"/>
54              <Spinner
55                    android:id="@+id/sp_pembimbing"
56                    android:layout_width="match_parent"
57                    android:layout_height="42dp"
58                    android:layout_marginVertical="8dp"/>
59              <Button
60                    android:id="@+id/btn_simpan"
61                    android:layout_width="match_parent"
62                    android:layout_height="wrap_content"
63                    android:text="Simpan"
64                    android:textColor="@android:color/white"
65                    android:background="@color/colorPrimaryDark"/>
66          </LinearLayout>
67      </LinearLayout>
68  </ScrollView>
```

Selanjutnya kita buat file CompanyActivity.java di package activity. Kemudian tambahkan script berikut di file tersebut.

```
1  package com.divakrishnam.actspotmahasiswa.activity;
2  import androidx.appcompat.app.AppCompatActivity;
3  import androidx.core.app.ActivityCompat;
4  import androidx.core.content.ContextCompat;
5  import androidx.core.content.FileProvider;
6  import android.Manifest;
7  import android.app.ProgressDialog;
8  import android.content.Context;
9  import android.content.Intent;
10 import android.content.pm.PackageManager;
11 import android.graphics.Color;
12 import android.location.Location;
13 import android.location.LocationListener;
14 import android.location.LocationManager;
15 import android.net.Uri;
16 import android.os.Bundle;
17 import android.os.Environment;
18 import android.provider.MediaStore;
19 import android.util.Log;
20 import android.view.View;
21 import android.view.ViewGroup;
22 import android.widget.ArrayAdapter;
23 import android.widget.Button;
24 import android.widget.ImageView;
```

```
25  import android.widget.Spinner;
26  import android.widget.TextView;
27  import android.widget.Toast;
28  import com.bumptech.glide.Glide;
29  import com.divakrishnam.actspotmahasiswa.R;
30  import com.divakrishnam.actspotmahasiswa.api.APIClient;
31  import com.divakrishnam.actspotmahasiswa.api.APIService;
32  import com.divakrishnam.actspotmahasiswa.model.Pembimbing;
33  import com.divakrishnam.actspotmahasiswa.model.ResponseInfo;
34  import com.divakrishnam.actspotmahasiswa.model.ResponsePembimbing;
35  import com.divakrishnam.actspotmahasiswa.util.SharedPrefManager;
36  import java.io.File;
37  import java.io.IOException;
38  import java.text.SimpleDateFormat;
39  import java.util.Date;
40  import java.util.HashMap;
41  import java.util.List;
42  import java.util.Locale;
43  import id.zelory.compressor.Compressor;
44  import okhttp3.MediaType;
45  import okhttp3.MultipartBody;
46  import okhttp3.RequestBody;
47  import retrofit2.Call;
48  import retrofit2.Callback;
49  import retrofit2.Response;
50  public class CompanyActivity extends AppCompatActivity implements
        View.OnClickListener, LocationListener {
51      private APIService mApiInterface;
52      private List<Pembimbing> pembimbings;
53      private SharedPrefManager pref;
54      private String[] keys;
55      private String[] values;
56      private ImageView ivPerusahaan;
57      private Spinner spPerusahaan;
58      private Spinner spPembimbing;
59      private Button btnSimpan;
60      private String latitude = "";
61      private String longtitude = "";
62      private LocationManager locationManager;
63      private String imageFilePath = "";
64      public static final int REQUEST_IMAGE = 200;
65      public static final int PERMISSION_ALL = 100;
66      private String[] PERMISSIONS = {
67              android.Manifest.permission.ACCESS_FINE_LOCATION,
68              android.Manifest.permission.WRITE_EXTERNAL_STORAGE,
69              android.Manifest.permission.READ_PHONE_STATE,
70              android.Manifest.permission.CAMERA
71      };
72      @Override
73      protected void onCreate(Bundle savedInstanceState) {
74          super.onCreate(savedInstanceState);
75          setContentView(R.layout.activity_company);
76          if (!hasPermissions(this, PERMISSIONS)) {
77              ActivityCompat.requestPermissions(this, PERMISSIONS,
        PERMISSION_ALL);
78          }
```

```java
79          getSupportActionBar().setTitle("Register Perusahaan");
80          ivPerusahaan = findViewById(R.id.img_perusahaan);
81          spPerusahaan = findViewById(R.id.sp_perusahaan);
82          spPembimbing = findViewById(R.id.sp_pembimbing);
83          btnSimpan = findViewById(R.id.btn_simpan);
84          pref = SharedPrefManager.getInstance(getApplicationContext())
    ;
85          mApiInterface = APIClient.getClient().create(APIService.class
    );
86          getLocation();
87          loadPembimbing();
88          btnSimpan.setOnClickListener(this);
89          ivPerusahaan.setOnClickListener(this);
90      }
91      public static boolean hasPermissions(Context context, String...
    permissions) {
92          if (context != null && permissions != null) {
93              for (String permission : permissions) {
94                  if (ActivityCompat.checkSelfPermission(context,
    permission) != PackageManager.PERMISSION_GRANTED) {
95                      return false;
96                  }
97              }
98          }
99          return true;
100     }
101     public void simpanPerusahaan(){
102         final ProgressDialog progressDialog = new ProgressDialog(this
    );
103         progressDialog.setMessage("Menyimpan data...");
104         progressDialog.setCancelable(false);
105         progressDialog.show();
106         int idPer = (int) spPerusahaan.getSelectedItemId();
107         int idPem = (int) spPembimbing.getSelectedItemId();
108         String idPembimbing = keys[idPem];
109         String namaPerusahaan = values[idPer];
110         String idIntern = pref.getRegistrasiPerusahaan().getIdIntern
    ();
111         String idMahasiswa = pref.getRegistrasiPerusahaan().
    getIdMahasiswa();
112         String idDosen = pref.getRegistrasiPerusahaan().getIdDosen();
113         File image = new File(imageFilePath);
114         File file = null;
115         try {
116             file = new Compressor(getApplicationContext()).
    compressToFile(image);
117         } catch (IOException e) {
118             e.printStackTrace();
119         }
120         if (idIntern != null && idMahasiswa != null && !
    namaPerusahaan.isEmpty() && !idPembimbing.isEmpty() && !latitude.
    isEmpty() && !longtitude.isEmpty() && file != null){
121             RequestBody mIdDosen = RequestBody.create(MediaType.parse
    ("text/plain"), idDosen);
122             RequestBody mIdIntern = RequestBody.create(MediaType.
    parse("text/plain"), idIntern);
```

```
123            RequestBody mIdMahasiswa = RequestBody.create(MediaType.
        parse("text/plain"), idMahasiswa);
124            RequestBody mNamaPerusahaan = RequestBody.create(
        MediaType.parse("text/plain"), namaPerusahaan);
125            RequestBody mIdPembimbing = RequestBody.create(MediaType.
        parse("text/plain"), idPembimbing);
126            RequestBody mLatitudePerusahaan = RequestBody.create(
        MediaType.parse("text/plain"), latitude);
127            RequestBody mLongitudePerusahaan = RequestBody.create(
        MediaType.parse("text/plain"), longtitude);
128            RequestBody requestFile = RequestBody.create(MediaType.
        parse("multipart/form-data"), file);
129            MultipartBody.Part mFotoPerusahaan = MultipartBody.Part.
        createFormData("foto_perusahaan", file.getName(), requestFile);
130            Call<ResponseInfo> call = mApiInterface.
        registrasiPerusahaan(mIdDosen, mIdIntern, mIdMahasiswa,
        mNamaPerusahaan, mIdPembimbing, mLatitudePerusahaan,
        mLongitudePerusahaan, mFotoPerusahaan);
131            call.enqueue(new Callback<ResponseInfo>() {
132                @Override
133                public void onResponse(Call<ResponseInfo> call,
        Response<ResponseInfo> response) {
134                    progressDialog.dismiss();
135                    Toast.makeText(getApplicationContext(), response.
        body().getMessage(), Toast.LENGTH_LONG).show();
136                    if(response.body().getStatus().equals("200")){
137                        startActivity(new Intent(
        getApplicationContext(), LoginActivity.class));
138                        finish();
139                    }
140                }
141                @Override
142                public void onFailure(Call<ResponseInfo> call,
        Throwable t) {
143                    progressDialog.dismiss();
144                    Toast.makeText(getApplicationContext(), "Error :
        "+t.getMessage(), Toast.LENGTH_LONG).show();
145                }
146            });
147        }else{
148            progressDialog.dismiss();
149            Toast.makeText(getApplicationContext(), "Something empty"
        , Toast.LENGTH_LONG).show();
150        }
151    }
152    public void loadPembimbing(){
153        Call<ResponsePembimbing> call = mApiInterface.getPembimbing()
        ;
154        call.enqueue(new Callback<ResponsePembimbing>() {
155            @Override
156            public void onResponse(Call<ResponsePembimbing> call,
        Response<ResponsePembimbing> response) {
157                pembimbings = response.body().getData();
158                spinnerPerusahaan(pembimbings);
159                spinnerPembimbing(pembimbings);
160            }
```

```java
161                 @Override
162                 public void onFailure(Call<ResponsePembimbing> call,
        Throwable t) {
163                     Toast.makeText(getApplicationContext(), "Error : "+t.
        getMessage(), Toast.LENGTH_LONG).show();
164                 }
165             });
166         }
167         private void capturePhoto() {
168             Intent pictureIntent = new Intent(MediaStore.
        ACTION_IMAGE_CAPTURE);
169             if (pictureIntent.resolveActivity(getPackageManager()) !=
        null) {
170                 File photoFile;
171                 try {
172                     photoFile = createImageFile();
173
174                 } catch (IOException e) {
175                     e.printStackTrace();
176                     return;
177                 }
178                 Uri photoUri = FileProvider.getUriForFile(this,
        getPackageName() + ".provider", photoFile);
179                 pictureIntent.putExtra(MediaStore.EXTRA_OUTPUT, photoUri)
        ;
180                 startActivityForResult(pictureIntent, REQUEST_IMAGE);
181             }
182         }
183         private File createImageFile() throws IOException {
184             String timeStamp = new SimpleDateFormat("yyyyMMddHHmmss",
        Locale.getDefault()).format(new Date());
185             String imageFileName = "IMG_" + timeStamp + "_";
186             File storageDir = getExternalFilesDir(Environment.
        DIRECTORY_PICTURES);
187             File image = File.createTempFile(imageFileName, ".jpg",
        storageDir);
188             imageFilePath = image.getAbsolutePath();
189             return image;
190         }
191         private void getLocation() {
192             try {
193                 locationManager = (LocationManager) getSystemService(
        Context.LOCATION_SERVICE);
194                 locationManager.requestLocationUpdates(LocationManager.
        NETWORK_PROVIDER, 5000, 5, this);
195             } catch (SecurityException e) {
196                 e.printStackTrace();
197             }
198         }
199         public void spinnerPembimbing(List<Pembimbing> pembimbings) {
200             int size = pembimbings.size()+1;
201             String[] values = new String[size];
202             keys = new String[size];
203             HashMap<String, String> map;
204             int i = 0;
205             map = new HashMap<>();
```

```
206              values[i] = "Pilih Pembimbing";
207              keys[i] = "0";
208              map.put(keys[i], values[i]);
209              i++;
210              for (Pembimbing pembimbing : pembimbings) {
211                  values[i] = pembimbing.getNamaPembimbing();
212                  keys[i] = pembimbing.getIdPembimbing();
213                  map.put(keys[i], values[i]);
214                  i++;
215              }
216              ArrayAdapter<String> adapter = new ArrayAdapter<String>(this,
             android.R.layout.simple_spinner_item, values) {
217                  @Override
218                  public boolean isEnabled(int position) {
219                      return position != 0;
220                  }
221                  @Override
222                  public View getDropDownView(int position, View
             convertView, ViewGroup parent) {
223                      View view = super.getDropDownView(position,
             convertView, parent);
224                      TextView tv = (TextView) view;
225                      if (position == 0) {
226                          tv.setTextColor(Color.GRAY);
227                      } else {
228                          tv.setTextColor(Color.BLACK);
229                      }
230                      return view;
231                  }
232              };
233              adapter.setDropDownViewResource(android.R.layout.
             simple_spinner_dropdown_item);
234              spPembimbing.setAdapter(adapter);
235          }
236          public void spinnerPerusahaan(List<Pembimbing> pembimbings) {
237              int size = pembimbings.size()+1;
238              values = new String[size];
239              int i = 0;
240              values[i] = "Pilih Perusahaan";
241              i++;
242              for (Pembimbing pembimbing : pembimbings) {
243                  values[i] = pembimbing.getNamaPerusahaan();
244                  i++;
245              }
246              ArrayAdapter<String> adapter = new ArrayAdapter<String>(this,
             android.R.layout.simple_spinner_item, values) {
247                  @Override
248                  public boolean isEnabled(int position) {
249                      return position != 0;
250                  }
251                  @Override
252                  public View getDropDownView(int position, View
             convertView, ViewGroup parent) {
253                      View view = super.getDropDownView(position,
             convertView, parent);
254                      TextView tv = (TextView) view;
```

```java
255                    if (position == 0) {
256                        tv.setTextColor(Color.GRAY);
257                    } else {
258                        tv.setTextColor(Color.BLACK);
259                    }
260                    return view;
261                }
262            };
263            adapter.setDropDownViewResource(android.R.layout.
        simple_spinner_dropdown_item);
264            spPerusahaan.setAdapter(adapter);
265        }
266        @Override
267        public void onClick(View view) {
268            if (view == btnSimpan){
269                simpanPerusahaan();
270            }else if(view == ivPerusahaan){
271                capturePhoto();
272            }
273        }
274        @Override
275        public void onLocationChanged(Location location) {
276            latitude = String.valueOf(location.getLatitude());
277            longtitude = String.valueOf(location.getLongitude());
278        }
279        @Override
280        public void onStatusChanged(String s, int i, Bundle bundle) {
281        }
282        @Override
283        public void onProviderEnabled(String s) {
284        }
285        @Override
286        public void onProviderDisabled(String s) {
287            Toast.makeText(this, "Please Enable GPS and Internet", Toast.
        LENGTH_SHORT).show();
288        }
289        @Override
290        public void onRequestPermissionsResult(int requestCode, String[]
        permissions, int[] grantResults) {
291            super.onRequestPermissionsResult(requestCode, permissions,
        grantResults);
292            if (requestCode == PERMISSION_ALL && grantResults.length > 0)
         {
293                if (grantResults[0] == PackageManager.PERMISSION_GRANTED)
         {
294                    Toast.makeText(this, "Thanks for granting Permission"
        , Toast.LENGTH_SHORT).show();
295                }
296            }
297        }
298        @Override
299        protected void onActivityResult(int requestCode, int resultCode,
        Intent data) {
300            super.onActivityResult(requestCode, resultCode, data);
301            if (requestCode == REQUEST_IMAGE) {
302                if (resultCode == RESULT_OK) {
```

```
303              Glide . with ( this ) . load ( imageFilePath ) . into (
        ivPerusahaan ) ;
304            } else if ( resultCode == RESULT_CANCELED) {
305                imageFilePath = "" ;
306                Toast . makeText ( this , "You cancelled the operation" ,
        Toast .LENGTH_SHORT) . show ( ) ;
307            }
308          }
309        }
310 }
```

Setelah itu, kita buat file activity_detail_progress.xml di package layout. Kemudian tambahkan script berikut di file tersebut.

```
1  <RelativeLayout xmlns:android=" http: // schemas . android .com/ apk/ res /
        android"
2      xmlns:tools=" http: // schemas . android .com/ tools"
3      android:layout_width=" match_parent"
4      android:layout_height=" match_parent"
5      tools:context=" . activity . DetailProgressActivity">
6      <ProgressBar
7          android:id=" @+id / pb_progress"
8          style=" ?android:attr / progressBarStyle"
9          android:layout_width=" wrap_content"
10         android:layout_height=" wrap_content"
11         android:layout_centerHorizontal=" true"
12         android:layout_centerVertical=" true"
13         android:maxWidth=" 30dp"
14         android:maxHeight=" 30dp"
15         android:minWidth=" 30dp"
16         android:minHeight=" 30dp"
17         android:visibility=" gone" />
18     <TextView
19         android:id=" @+id / tv_error"
20         android:layout_width=" wrap_content"
21         android:layout_height=" wrap_content"
22         android:layout_centerHorizontal=" true"
23         android:layout_centerVertical=" true"
24         android:text=" Gagal memuat data"
25         android:visibility=" gone"/>
26     <ScrollView
27         android:layout_width=" match_parent"
28         android:layout_height=" wrap_content"
29         android:layout_centerHorizontal=" true">
30         <LinearLayout
31             android:layout_width=" match_parent"
32             android:layout_height=" wrap_content"
33             android:orientation=" vertical"
34             android:paddingBottom=" 60dp">
35             <androidx . recyclerview . widget . RecyclerView
36                 android:id=" @+id / rv_progress"
37                 android:layout_width=" match_parent"
38                 android:layout_height=" match_parent"
39                 android:scrollbars=" vertical" />
40         </ LinearLayout>
41     </ ScrollView>
42 </ RelativeLayout>
```

Selanjutnya kita buat file DetailProgressActivity.java di package activity. Kemudian tambahkan script berikut di file tersebut.

```
1  package com.divakrishnam.actspotmahasiswa.activity;
2  import androidx.appcompat.app.AppCompatActivity;
3  import androidx.recyclerview.widget.LinearLayoutManager;
4  import androidx.recyclerview.widget.RecyclerView;
5  import android.os.Bundle;
6  import android.util.Log;
7  import android.view.View;
8  import android.widget.ProgressBar;
9  import android.widget.TextView;
10 import com.divakrishnam.actspotmahasiswa.R;
11 import com.divakrishnam.actspotmahasiswa.adapter.
       DetailProgressAdapter;
12 import com.divakrishnam.actspotmahasiswa.api.APIClient;
13 import com.divakrishnam.actspotmahasiswa.api.APIService;
14 import com.divakrishnam.actspotmahasiswa.model.ResponseProgressPerDay
       ;
15 import com.divakrishnam.actspotmahasiswa.util.SharedPrefManager;
16 import retrofit2.Call;
17 import retrofit2.Callback;
18 import retrofit2.Response;
19 public class DetailProgressActivity extends AppCompatActivity {
20     public static final String EXTRA_DAY = "extra_day";
21     private RecyclerView rvProgress;
22     private APIService mApiInterface;
23     private SharedPrefManager pref;
24     private ProgressBar pbProgress;
25     private TextView tvError;
26     private String tglWaktu;
27     @Override
28     protected void onCreate(Bundle savedInstanceState) {
29         super.onCreate(savedInstanceState);
30         setContentView(R.layout.activity_detail_progress);
31         getSupportActionBar().setTitle("Detail Progress");
32         pbProgress = findViewById(R.id.pb_progress);
33         rvProgress = findViewById(R.id.rv_progress);
34         tvError = findViewById(R.id.tv_error);
35         pref = SharedPrefManager.getInstance(getApplicationContext())
       ;
36         mApiInterface = APIClient.getClient().create(APIService.class
       );
37         tglWaktu = getIntent().getStringExtra(EXTRA_DAY);
38         showDetailProgress();
39     }
40     private void showDetailProgress() {
41         showLoading(true);
42         String idMahasiswa = pref.getMahasiswaLogin().getIdMahasiswa
       ();
43         String idIntern = pref.getMahasiswaLogin().getIdIntern();
44         rvProgress.setLayoutManager(new LinearLayoutManager(
       getApplicationContext()));
45         Call<ResponseProgressPerDay> call = mApiInterface.
       progressPerDayMahasiswa(idIntern, idMahasiswa, tglWaktu);
46         call.enqueue(new Callback<ResponseProgressPerDay>() {
47             @Override
```

```
48          public void onResponse(Call<ResponseProgressPerDay> call,
     Response<ResponseProgressPerDay> response) {
49              showLoading(false);
50              if (response.body().getStatus().equals("200")) {
51                  DetailProgressAdapter detailProgressAdapter = new
     DetailProgressAdapter(getApplicationContext(), response.body().
     getData());
52                  rvProgress.setAdapter(detailProgressAdapter);
53              } else {
54                  showMessage(true, response.body().getMessage());
55              }
56          }
57          @Override
58          public void onFailure(Call<ResponseProgressPerDay> call,
     Throwable t) {
59              showLoading(false);
60              showMessage(true, t.getMessage());
61          }
62      });
63  }
64  private void showLoading(Boolean state) {
65      if (state) {
66          pbProgress.setVisibility(View.VISIBLE);
67      } else {
68          pbProgress.setVisibility(View.GONE);
69      }
70  }
71  private void showMessage(Boolean state, String message) {
72      if (state) {
73          tvError.setText(message);
74          tvError.setVisibility(View.VISIBLE);
75      } else {
76          tvError.setVisibility(View.GONE);
77      }
78  }
79 }
```

Setelah itu, kita buat file activity_login.xml di package layout. Kemudian tambahkan
script berikut di file tersebut.

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <LinearLayout xmlns:android="http://schemas.android.com/apk/res/
     android"
3     xmlns:tools="http://schemas.android.com/tools"
4     android:layout_width="match_parent"
5     android:layout_height="match_parent"
6     android:orientation="vertical"
7     android:layout_marginHorizontal="12dp"
8     tools:context=".activity.LoginActivity">
9     <TextView
10        android:layout_width="match_parent"
11        android:layout_height="wrap_content"
12        android:text="Username"
13        android:layout_marginTop="10dp"/>
14     <EditText
15        android:id="@+id/et_username"
16        android:layout_width="match_parent"
```

```
17          android:layout_height="wrap_content"
18          android:layout_marginVertical="8dp"
19          android:paddingHorizontal="10dp"
20          android:paddingVertical="10dp"
21          android:background="@drawable/custom_edittext"/>
22      <TextView
23          android:layout_width="match_parent"
24          android:layout_height="wrap_content"
25          android:text="Password"
26          android:layout_marginTop="10dp"/>
27      <EditText
28          android:id="@+id/et_password"
29          android:layout_width="match_parent"
30          android:layout_height="wrap_content"
31          android:layout_marginVertical="8dp"
32          android:paddingHorizontal="10dp"
33          android:paddingVertical="10dp"
34          android:inputType="textPassword"
35          android:background="@drawable/custom_edittext"/>
36      <Button
37          android:id="@+id/btn_login"
38          android:layout_width="match_parent"
39          android:layout_height="wrap_content"
40          android:text="Login"
41          android:layout_marginVertical="12dp"
42          android:textColor="@android:color/white"
43          android:background="@color/colorPrimaryDark"/>
44      <Button
45          android:id="@+id/btn_registrasi"
46          android:layout_width="match_parent"
47          android:layout_height="wrap_content"
48          android:text="Registrasi"
49          android:layout_marginVertical="6dp"
50          android:textColor="@android:color/white"
51          android:background="@color/colorPrimaryDark"/>
52  </LinearLayout>
```

Selanjutnya kita buat file LoginActivity.java di package activity. Kemudian tambahkan script berikut di file tersebut.

```
1  package com.divakrishnam.actspotmahasiswa.activity;
2  import androidx.appcompat.app.AppCompatActivity;
3  import android.app.ProgressDialog;
4  import android.content.Intent;
5  import android.os.Bundle;
6  import android.view.View;
7  import android.widget.Button;
8  import android.widget.EditText;
9  import android.widget.Toast;
10 import com.divakrishnam.actspotmahasiswa.R;
11 import com.divakrishnam.actspotmahasiswa.api.APIClient;
12 import com.divakrishnam.actspotmahasiswa.api.APIService;
13 import com.divakrishnam.actspotmahasiswa.model.ResponseLogin;
14 import com.divakrishnam.actspotmahasiswa.util.SharedPrefManager;
15 import retrofit2.Call;
16 import retrofit2.Callback;
17 import retrofit2.Response;
```

```
18  import  retrofit2.Retrofit;
19  import  retrofit2.converter.gson.GsonConverterFactory;
20  public class LoginActivity extends AppCompatActivity implements View.
       OnClickListener{
21      private EditText etUsername, etPassword;
22      private Button btnLogin, btnRegistrasi;
23      private APIService mApiInterface;
24      @Override
25      protected void onCreate(Bundle savedInstanceState) {
26          super.onCreate(savedInstanceState);
27          setContentView(R.layout.activity_login);
28          getSupportActionBar().setTitle("Login");
29          etUsername = findViewById(R.id.et_username);
30          etPassword = findViewById(R.id.et_password);
31          btnLogin = findViewById(R.id.btn_login);
32          btnRegistrasi = findViewById(R.id.btn_registrasi);
33          btnLogin.setOnClickListener(this);
34          btnRegistrasi.setOnClickListener(this);
35          mApiInterface = APIClient.getClient().create(APIService.class
       );
36      }
37      @Override
38      public void onClick(View view) {
39          if (view == btnLogin){
40              mahasiswaLogin();
41          }else if(view == btnRegistrasi){
42              startActivity(new Intent(getApplicationContext(),
       RegisterActivity.class));
43          }
44      }
45      private void mahasiswaLogin() {
46          final ProgressDialog progressDialog = new ProgressDialog(this
       );
47          progressDialog.setMessage("Log In ...");
48          progressDialog.setCancelable(false);
49          progressDialog.show();
50          String username = etUsername.getText().toString();
51          String password = etPassword.getText().toString();
52          if (!username.isEmpty() && !password.isEmpty()){
53              Call<ResponseLogin> call = mApiInterface.mahasiswaLogin(
       username, password);
54              call.enqueue(new Callback<ResponseLogin>() {
55                  @Override
56                  public void onResponse(Call<ResponseLogin> call,
       Response<ResponseLogin> response) {
57                      progressDialog.dismiss();
58                      Toast.makeText(getApplicationContext(), response.
       body().getMessage(), Toast.LENGTH_LONG).show();
59                      switch (response.body().getStatus()) {
60                          case "202":
61                              SharedPrefManager.getInstance(
       getApplicationContext()).registrasiPerusahaan(response.body().
       getData());
62                              startActivity(new Intent(
       getApplicationContext(), CompanyActivity.class));
63                              finish();
```

```
64                                    break ;
65                            case "203":
66                                startActivity (new Intent (
        getApplicationContext (), NoticeActivity.class ));
67                                finish ();
68                                break ;
69                            case "201":
70                                SharedPrefManager.getInstance (
        getApplicationContext ()).mahasiswaLogin (response.body ().getData ()
        );
71                                startActivity (new Intent (
        getApplicationContext (), MainActivity.class ));
72                                finish ();
73                                break ;
74                        }
75                    }
76                    @Override
77                    public void onFailure (Call<ResponseLogin> call ,
        Throwable t) {
78                        progressDialog.dismiss ();
79                        Toast.makeText (getApplicationContext (), "Error :
        "+t.getMessage (), Toast.LENGTH_LONG).show ();
80                    }
81                });
82            } else {
83                progressDialog.dismiss ();
84                Toast.makeText (getApplicationContext (), "Field tidak
        boleh kosong", Toast.LENGTH_LONG).show ();
85            }
86        }
87 }
```

Setelah itu, kita buat file activity_main.xml di package layout. Kemudian tambahkan script berikut di file tersebut.

```
1  <?xml version="1.0" encoding="utf-8"?>
2  <RelativeLayout xmlns:android="http://schemas.android.com/apk/res/
        android"
3      xmlns:app="http://schemas.android.com/apk/res-auto"
4      xmlns:tools="http://schemas.android.com/tools"
5      android:layout_width="match_parent"
6      android:layout_height="match_parent"
7      tools:context=".activity.MainActivity">
8      <FrameLayout
9          android:id="@+id/fl_container"
10         android:layout_width="match_parent"
11         android:layout_height="match_parent"
12         app:layout_behavior="@string/appbar_scrolling_view_behavior"
        />
13     <com.google.android.material.bottomnavigation.
        BottomNavigationView
14         android:id="@+id/bn_main"
15         android:layout_width="match_parent"
16         android:layout_height="wrap_content"
17         android:layout_alignParentBottom="true"
18         android:background="@android:color/white"
19         app:itemIconTint="@drawable/state_bottom_navigation"
```

```
20          app:itemTextColor="@drawable/state_bottom_navigation"
21          app:menu="@menu/menu_bottom_nav"
22          app:labelVisibilityMode="labeled"/>
23 </RelativeLayout>
```

Selanjutnya kita buat file MainActivity.java di package activity. Kemudian tambahkan script berikut di file tersebut.

```java
1  package com.divakrishnam.actspotmahasiswa.activity;
2  import androidx.annotation.NonNull;
3  import androidx.appcompat.app.ActionBar;
4  import androidx.appcompat.app.AppCompatActivity;
5  import androidx.core.app.ActivityCompat;
6  import androidx.core.content.ContextCompat;
7  import androidx.fragment.app.Fragment;
8  import android.Manifest;
9  import android.content.Context;
10 import android.content.Intent;
11 import android.content.pm.PackageManager;
12 import android.os.Bundle;
13 import android.view.MenuItem;
14 import android.widget.Toast;
15 import com.divakrishnam.actspotmahasiswa.R;
16 import com.divakrishnam.actspotmahasiswa.fragment.AbsenceFragment;
17 import com.divakrishnam.actspotmahasiswa.fragment.
       NotificationFragment;
18 import com.divakrishnam.actspotmahasiswa.fragment.ProfileFragment;
19 import com.divakrishnam.actspotmahasiswa.fragment.ProgressFragment;
20 import com.divakrishnam.actspotmahasiswa.util.SharedPrefManager;
21 import com.google.android.material.bottomnavigation.
       BottomNavigationView;
22 public class MainActivity extends AppCompatActivity implements
       BottomNavigationView.OnNavigationItemSelectedListener{
23     private static final int PERMISSION_ALL = 100;
24     private String[] PERMISSIONS = {
25             android.Manifest.permission.ACCESS_FINE_LOCATION,
26             android.Manifest.permission.WRITE_EXTERNAL_STORAGE,
27             android.Manifest.permission.READ_PHONE_STATE
28     };
29     @Override
30     protected void onCreate(Bundle savedInstanceState) {
31         super.onCreate(savedInstanceState);
32         setContentView(R.layout.activity_main);
33         if (!SharedPrefManager.getInstance(this).isLoggedIn()) {
34             finish();
35             startActivity(new Intent(getApplicationContext(),
       LoginActivity.class));
36         }else{
37             if (!hasPermissions(this, PERMISSIONS)) {
38                 ActivityCompat.requestPermissions(this, PERMISSIONS,
       PERMISSION_ALL);
39             }
40         }
41         loadFragment(new ProgressFragment());
42         BottomNavigationView bottomNavigationView = findViewById(R.id
       .bn_main);
```

```java
43              bottomNavigationView.setOnNavigationItemSelectedListener(this
        );
44          }
45          private boolean loadFragment(Fragment fragment){
46              if (fragment != null) {
47                  getSupportFragmentManager().beginTransaction()
48                          .replace(R.id.fl_container, fragment)
49                          .commit();
50                  return true;
51              }
52              return false;
53          }
54          public void setActionBarTitle(String title) {
55              getSupportActionBar().setTitle(title);
56          }
57          @Override
58          public boolean onNavigationItemSelected(@NonNull MenuItem item) {
59              Fragment fragment = null;
60              switch (item.getItemId()){
61                  case R.id.menu_progress:
62                      fragment = new ProgressFragment();
63                      break;
64                  case R.id.menu_absence:
65                      fragment = new AbsenceFragment();
66                      break;
67                  case R.id.menu_notification:
68                      fragment = new NotificationFragment();
69                      break;
70                  case R.id.menu_profile:
71                      fragment = new ProfileFragment();
72                      break;
73              }
74              return loadFragment(fragment);
75          }
76          @Override
77          public void onRequestPermissionsResult(int requestCode, String[]
        permissions, int[] grantResults) {
78              super.onRequestPermissionsResult(requestCode, permissions,
        grantResults);
79              if (requestCode == PERMISSION_ALL && grantResults.length > 0)
         {
80                  if (grantResults[0] == PackageManager.PERMISSION_GRANTED)
         {
81                      Toast.makeText(this, "Thanks for granting Permission"
        , Toast.LENGTH_SHORT).show();
82                  }
83              }
84          }
85          public static boolean hasPermissions(Context context, String...
        permissions) {
86              if (context != null && permissions != null) {
87                  for (String permission : permissions) {
88                      if (ActivityCompat.checkSelfPermission(context,
        permission) != PackageManager.PERMISSION_GRANTED) {
89                          return false;
90                      }
```

```
91            }
92        }
93        return true;
94    }
95 }
```

Setelah itu, kita buat file activity_notice.xml di package layout. Kemudian tambahkan script berikut di file tersebut.

```
1  <?xml version="1.0" encoding="utf-8"?>
2  <LinearLayout xmlns:android="http://schemas.android.com/apk/res/
       android"
3      xmlns:app="http://schemas.android.com/apk/res-auto"
4      xmlns:tools="http://schemas.android.com/tools"
5      android:layout_width="match_parent"
6      android:layout_height="match_parent"
7      android:orientation="vertical"
8      android:gravity="center"
9      android:layout_marginBottom="50dp"
10     tools:context=".activity.NoticeActivity">
11     <ImageView
12         android:layout_width="100dp"
13         android:layout_height="100dp"
14         android:src="@drawable/ic_info_outline_black"/>
15     <TextView
16         android:layout_width="wrap_content"
17         android:layout_height="wrap_content"
18         android:text="Tunggu konfirmasi dari admin ActSpot untuk bisa
       masuk aplikasi."
19         android:textSize="18sp"
20         android:gravity="center"
21         android:layout_margin="20dp"/>
22 </LinearLayout>
```

Selanjutnya kita buat file NoticeActivity.java di package activity. Kemudian tambahkan script berikut di file tersebut.

```
1  package com.divakrishnam.actspotmahasiswa.activity;
2  import androidx.appcompat.app.AppCompatActivity;
3  import android.os.Bundle;
4  import com.divakrishnam.actspotmahasiswa.R;
5  public class NoticeActivity extends AppCompatActivity {
6      @Override
7      protected void onCreate(Bundle savedInstanceState) {
8          super.onCreate(savedInstanceState);
9          setContentView(R.layout.activity_notice);
10
11         getSupportActionBar().setTitle("Notice");
12     }
13 }
```

Setelah itu, kita buat file activity_password.xml di package layout. Kemudian tambahkan script berikut di file tersebut.

```
1  <?xml version="1.0" encoding="utf-8"?>
2  <LinearLayout xmlns:android="http://schemas.android.com/apk/res/
       android"
```

```
3      xmlns:app="http://schemas.android.com/apk/res-auto"
4      xmlns:tools="http://schemas.android.com/tools"
5      android:layout_width="match_parent"
6      android:layout_height="match_parent"
7      android:orientation="vertical"
8      android:layout_marginHorizontal="12dp"
9      tools:context=".activity.PasswordActivity">
10     <TextView
11         android:layout_width="match_parent"
12         android:layout_height="wrap_content"
13         android:text="Sandi Lama"
14         android:layout_marginTop="10dp"/>
15     <EditText
16         android:id="@+id/et_oldpass"
17         android:layout_width="match_parent"
18         android:layout_height="wrap_content"
19         android:layout_marginVertical="8dp"
20         android:paddingHorizontal="10dp"
21         android:paddingVertical="10dp"
22         android:inputType="textPassword"
23         android:background="@drawable/custom_edittext"/>
24     <TextView
25         android:layout_width="match_parent"
26         android:layout_height="wrap_content"
27         android:text="Sandi Baru"
28         android:layout_marginTop="10dp"/>
29     <EditText
30         android:id="@+id/et_newpass"
31         android:layout_width="match_parent"
32         android:layout_height="wrap_content"
33         android:layout_marginVertical="8dp"
34         android:paddingHorizontal="10dp"
35         android:paddingVertical="10dp"
36         android:inputType="textPassword"
37         android:background="@drawable/custom_edittext"/>
38     <TextView
39         android:layout_width="match_parent"
40         android:layout_height="wrap_content"
41         android:text="Konfirmasi Sandi Baru"
42         android:layout_marginTop="10dp"/>
43     <EditText
44         android:id="@+id/et_cnewpass"
45         android:layout_width="match_parent"
46         android:layout_height="wrap_content"
47         android:layout_marginVertical="8dp"
48         android:paddingHorizontal="10dp"
49         android:paddingVertical="10dp"
50         android:inputType="textPassword"
51         android:background="@drawable/custom_edittext"/>
52     <Button
53         android:id="@+id/btn_savepass"
54         android:layout_width="match_parent"
55         android:layout_height="wrap_content"
56         android:text="Simpan"
57         android:layout_marginVertical="12dp"/>
58 </LinearLayout>
```

Selanjutnya kita buat file PasswordActivity.java di package activity. Kemudian tambahkan script berikut di file tersebut.

```java
package com.divakrishnam.actspotmahasiswa.activity;
import androidx.appcompat.app.AppCompatActivity;
import android.app.ProgressDialog;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;
import com.divakrishnam.actspotmahasiswa.R;
import com.divakrishnam.actspotmahasiswa.api.APIClient;
import com.divakrishnam.actspotmahasiswa.api.APIService;
import com.divakrishnam.actspotmahasiswa.model.ResponseInfo;
import com.divakrishnam.actspotmahasiswa.util.SharedPrefManager;
import retrofit2.Call;
import retrofit2.Callback;
import retrofit2.Response;
public class PasswordActivity extends AppCompatActivity implements
    View.OnClickListener {
    private EditText etOldPass, etNewPass, etCNewPass;
    private Button btnSave;
    private SharedPrefManager pref;
    private APIService mApiInterface;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_password);
        getSupportActionBar().setTitle("Change Password");
        etOldPass = findViewById(R.id.et_oldpass);
        etNewPass = findViewById(R.id.et_newpass);
        etCNewPass = findViewById(R.id.et_cnewpass);
        btnSave = findViewById(R.id.btn_savepass);
        pref = SharedPrefManager.getInstance(getApplicationContext())
    ;
        mApiInterface = APIClient.getClient().create(APIService.class
    );
        btnSave.setOnClickListener(this);
    }
    @Override
    public void onClick(View view) {
        if (view == btnSave){
            savePassword();
        }
    }
    private void savePassword() {
        final ProgressDialog progressDialog = new ProgressDialog(this
    );
        progressDialog.setMessage("Menyimpan data...");
        progressDialog.setCancelable(false);
        progressDialog.show();
        String oldPass = etOldPass.getText().toString();
        String newPass = etNewPass.getText().toString();
        String cNewPass = etCNewPass.getText().toString();
```

```java
50          String idMahasiswa = pref.getMahasiswaLogin().getIdMahasiswa
      ();
51          if (!oldPass.isEmpty() && !newPass.isEmpty() && !cNewPass.
      isEmpty() && oldPass.equals(pref.getMahasiswaLogin().getPassword
      ()) && newPass.equals(cNewPass)){
52              Call<ResponseInfo> call = mApiInterface.
      mahasiswaUbahPassword(idMahasiswa, newPass);
53              call.enqueue(new Callback<ResponseInfo>() {
54                  @Override
55                  public void onResponse(Call<ResponseInfo> call,
      Response<ResponseInfo> response) {
56                      progressDialog.dismiss();
57                      Toast.makeText(getApplicationContext(), response.
      body().getMessage(), Toast.LENGTH_LONG).show();
58                      if(response.body().getStatus().equals("200")) {
59                          finish();
60                      }
61                  }
62                  @Override
63                  public void onFailure(Call<ResponseInfo> call,
      Throwable t) {
64                      progressDialog.dismiss();
65                      Toast.makeText(getApplicationContext(), "Error :
      "+t.getMessage(), Toast.LENGTH_LONG).show();
66                  }
67              });
68          }else {
69              if (!oldPass.isEmpty() && !newPass.isEmpty() && !cNewPass
      .isEmpty()){
70                  if (oldPass.equals(pref.getMahasiswaLogin().
      getPassword())){
71                      Toast.makeText(getApplicationContext(), "Password
       baru tidak sama dengan password lama.", Toast.LENGTH_SHORT).show
      ();
72                  }else if (newPass.equals(cNewPass)){
73                      Toast.makeText(getApplicationContext(), "Password
       tidak sama", Toast.LENGTH_SHORT).show();
74                  }
75              }else{
76                  Toast.makeText(getApplicationContext(), "Field kosong
      ", Toast.LENGTH_SHORT).show();
77              }
78              progressDialog.dismiss();
79          }
80      }
81 }
```

Setelah itu, kita buat file activity_profile.xml di package layout. Kemudian tambahkan script berikut di file tersebut.

```xml
1 <?xml version="1.0" encoding="utf-8"?>
2 <ScrollView xmlns:android="http://schemas.android.com/apk/res/android
      "
3     xmlns:app="http://schemas.android.com/apk/res-auto"
4     xmlns:tools="http://schemas.android.com/tools"
5     android:layout_width="match_parent"
6     android:layout_height="match_parent"
```

```
7          tools:context=".activity.ProfileActivity">
8      <LinearLayout
9          android:layout_width="match_parent"
10         android:layout_height="wrap_content"
11         android:orientation="vertical"
12         android:gravity="center_horizontal"
13         android:padding="14dp">
14         <androidx.constraintlayout.widget.ConstraintLayout
15             android:layout_width="match_parent"
16             android:layout_height="wrap_content">
17             <de.hdodenhof.circleimageview.CircleImageView
18                 android:id="@+id/img_profile"
19                 android:layout_width="180dp"
20                 android:layout_height="180dp"
21                 android:layout_margin="20dp"
22                 android:src="@drawable/profile"
23                 app:layout_constraintBottom_toBottomOf="parent"
24                 app:layout_constraintEnd_toEndOf="parent"
25                 app:layout_constraintStart_toStartOf="parent"
26                 app:layout_constraintTop_toTopOf="parent" />
27             <ImageView
28                 android:layout_width="30dp"
29                 android:layout_height="30dp"
30                 android:layout_alignEnd="@id/img_profile"
31                 android:layout_alignParentEnd="true"
32                 android:layout_marginBottom="16dp"
33                 android:background="@drawable/ic_add_circle_gray"
34                 app:layout_constraintBottom_toBottomOf="parent"
35                 app:layout_constraintEnd_toEndOf="parent"
36                 app:layout_constraintHorizontal_bias="0.655"
37                 app:layout_constraintStart_toStartOf="parent" />
38         </androidx.constraintlayout.widget.ConstraintLayout>
39         <TextView
40             android:layout_width="match_parent"
41             android:layout_height="wrap_content"
42             android:text="Nama"
43             android:layout_marginTop="8dp"/>
44         <LinearLayout
45             android:layout_width="match_parent"
46             android:layout_height="wrap_content"
47             android:orientation="horizontal"
48             android:layout_marginVertical="8dp">
49             <TextView
50                 android:id="@+id/tv_nama"
51                 android:layout_width="match_parent"
52                 android:layout_height="wrap_content"
53                 android:layout_weight="1"
54                 android:text="Kadek Diva Krishna Murti" />
55             <TextView
56                 android:id="@+id/tv_edit_nama"
57                 android:layout_width="match_parent"
58                 android:layout_height="wrap_content"
59                 android:layout_weight="9"
60                 android:text="Ubah"
61                 android:textColor="@android:color/darker_gray" />
62         </LinearLayout>
```

```
63          <TextView
64              android:layout_width="match_parent"
65              android:layout_height="wrap_content"
66              android:text="Kelas"
67              android:layout_marginTop="8dp"/>
68          <LinearLayout
69              android:layout_width="match_parent"
70              android:layout_height="wrap_content"
71              android:orientation="horizontal"
72              android:layout_marginVertical="8dp">
73              <TextView
74                  android:id="@+id/tv_kelas"
75                  android:layout_width="match_parent"
76                  android:layout_height="wrap_content"
77                  android:layout_weight="1"
78                  android:text="3A" />
79              <TextView
80                  android:id="@+id/tv_edit_kelas"
81                  android:layout_width="match_parent"
82                  android:layout_height="wrap_content"
83                  android:layout_weight="9"
84                  android:text="Ubah"
85                  android:textColor="@android:color/darker_gray" />
86          </LinearLayout>
87          <TextView
88              android:layout_width="match_parent"
89              android:layout_height="wrap_content"
90              android:text="Angkatan"
91              android:layout_marginTop="8dp"/>
92          <LinearLayout
93              android:layout_width="match_parent"
94              android:layout_height="wrap_content"
95              android:orientation="horizontal"
96              android:layout_marginVertical="8dp">
97              <TextView
98                  android:id="@+id/tv_angkatan"
99                  android:layout_width="match_parent"
100                 android:layout_height="wrap_content"
101                 android:layout_weight="1"
102                 android:text="2017" />
103             <TextView
104                 android:id="@+id/tv_edit_angkatan"
105                 android:layout_width="match_parent"
106                 android:layout_height="wrap_content"
107                 android:layout_weight="9"
108                 android:text="Ubah"
109                 android:textColor="@android:color/darker_gray" />
110         </LinearLayout>
111         <TextView
112             android:layout_width="match_parent"
113             android:layout_height="wrap_content"
114             android:text="Kontak"
115             android:layout_marginTop="8dp"/>
116         <LinearLayout
117             android:layout_width="match_parent"
118             android:layout_height="wrap_content"
```

```
119             android:orientation="horizontal"
120             android:layout_marginVertical="8dp">
121             <TextView
122                 android:id="@+id/tv_kontak"
123                 android:layout_width="match_parent"
124                 android:layout_height="wrap_content"
125                 android:layout_weight="1"
126                 android:text="2017" />
127             <TextView
128                 android:id="@+id/tv_edit_kontak"
129                 android:layout_width="match_parent"
130                 android:layout_height="wrap_content"
131                 android:layout_weight="9"
132                 android:text="Ubah"
133                 android:textColor="@android:color/darker_gray" />
134         </LinearLayout>
135         <TextView
136             android:layout_width="match_parent"
137             android:layout_height="wrap_content"
138             android:text="Program Studi"
139             android:layout_marginTop="8dp"/>
140         <LinearLayout
141             android:layout_width="match_parent"
142             android:layout_height="wrap_content"
143             android:orientation="horizontal"
144             android:layout_marginVertical="8dp">
145             <TextView
146                 android:id="@+id/tv_prodi"
147                 android:layout_width="match_parent"
148                 android:layout_height="wrap_content"
149                 android:layout_weight="1"
150                 android:text="D4 Teknik Informatika" />
151         </LinearLayout>
152         <TextView
153             android:layout_width="match_parent"
154             android:layout_height="wrap_content"
155             android:text="Pembimbing Internal"
156             android:layout_marginTop="8dp"/>
157         <LinearLayout
158             android:layout_width="match_parent"
159             android:layout_height="wrap_content"
160             android:orientation="horizontal"
161             android:layout_marginVertical="8dp">
162             <TextView
163                 android:id="@+id/tv_dosen"
164                 android:layout_width="match_parent"
165                 android:layout_height="wrap_content"
166                 android:layout_weight="1"
167                 android:text="Kadek Diva Krishna Murti" />
168         </LinearLayout>
169         <TextView
170             android:layout_width="match_parent"
171             android:layout_height="wrap_content"
172             android:text="Pembimbing Eksternal"
173             android:layout_marginTop="8dp"/>
174         <LinearLayout
```

```
175                 android:layout_width="match_parent"
176                 android:layout_height="wrap_content"
177                 android:orientation="horizontal"
178                 android:layout_marginVertical="8dp">
179             <TextView
180                 android:id="@+id/tv_pembimbing"
181                 android:layout_width="match_parent"
182                 android:layout_height="wrap_content"
183                 android:layout_weight="1"
184                 android:text="Kadek Diva Krishna Murti" />
185         </LinearLayout>
186         <TextView
187             android:layout_width="match_parent"
188             android:layout_height="wrap_content"
189             android:text="Perusahaan"
190             android:layout_marginTop="8dp"/>
191         <LinearLayout
192             android:layout_width="match_parent"
193             android:layout_height="wrap_content"
194             android:orientation="horizontal"
195             android:layout_marginVertical="8dp">
196             <TextView
197                 android:id="@+id/tv_perusahaan"
198                 android:layout_width="match_parent"
199                 android:layout_height="wrap_content"
200                 android:layout_weight="1"
201                 android:text="Kadek Diva Krishna Murti" />
202         </LinearLayout>
203         <TextView
204             android:layout_width="match_parent"
205             android:layout_height="wrap_content"
206             android:text="Username"
207             android:layout_marginTop="8dp"/>
208         <LinearLayout
209             android:layout_width="match_parent"
210             android:layout_height="wrap_content"
211             android:orientation="horizontal"
212             android:layout_marginVertical="8dp">
213             <TextView
214                 android:id="@+id/tv_username"
215                 android:layout_width="match_parent"
216                 android:layout_height="wrap_content"
217                 android:layout_weight="1"
218                 android:text="Politeknik Pos Indonesia" />
219             <TextView
220                 android:id="@+id/tv_edit_username"
221                 android:layout_width="match_parent"
222                 android:layout_height="wrap_content"
223                 android:layout_weight="9"
224                 android:text="Ubah"
225                 android:textColor="@android:color/darker_gray" />
226         </LinearLayout>
227     </LinearLayout>
228 </ScrollView>
```

Selanjutnya kita buat file ProfileActivity.java di package activity. Kemudian tambahkan script berikut di file tersebut.

```java
package com.divakrishnam.actspotmahasiswa.activity;
import androidx.appcompat.app.AlertDialog;
import androidx.appcompat.app.AppCompatActivity;
import android.app.ProgressDialog;
import android.content.Intent;
import android.net.Uri;
import android.os.Bundle;
import android.view.View;
import android.widget.ImageView;
import android.widget.TextView;
import android.widget.Toast;
import com.bumptech.glide.Glide;
import com.divakrishnam.actspotmahasiswa.R;
import com.divakrishnam.actspotmahasiswa.api.APIClient;
import com.divakrishnam.actspotmahasiswa.api.APIService;
import com.divakrishnam.actspotmahasiswa.model.Login;
import com.divakrishnam.actspotmahasiswa.model.ResponseInfo;
import com.divakrishnam.actspotmahasiswa.util.SharedPrefManager;
import com.divakrishnam.actspotmahasiswa.util.Urls;
import com.theartofdev.edmodo.cropper.CropImage;
import com.theartofdev.edmodo.cropper.CropImageView;
import java.io.File;
import java.io.IOException;
import id.zelory.compressor.Compressor;
import okhttp3.MediaType;
import okhttp3.MultipartBody;
import okhttp3.RequestBody;
import pl.aprilapps.easyphotopicker.DefaultCallback;
import pl.aprilapps.easyphotopicker.EasyImage;
import retrofit2.Call;
import retrofit2.Callback;
import retrofit2.Response;
public class ProfileActivity extends AppCompatActivity implements
        View.OnClickListener {
    private ImageView ivProfil;
    private TextView tvNama, tvEditNama, tvKelas, tvEditKelas,
    tvAngkatan, tvEditAngkatan, tvKontak, tvEditKontak, tvProdi,
    tvDosen, tvPembimbing, tvPerusahaan, tvUsername, tvEditUsername;
    private SharedPrefManager pref;
    private APIService mApiInterface;
    private static final int REQUEST_IMAGE = 200;
    private static final int REQUEST_PHOTO = 300;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_profile);
        ivProfil = findViewById(R.id.img_profile);
        tvNama = findViewById(R.id.tv_nama);
        tvEditNama = findViewById(R.id.tv_edit_nama);
        tvKelas = findViewById(R.id.tv_kelas);
        tvEditKelas = findViewById(R.id.tv_edit_kelas);
        tvAngkatan = findViewById(R.id.tv_angkatan);
        tvEditAngkatan = findViewById(R.id.tv_edit_angkatan);
        tvKontak = findViewById(R.id.tv_kontak);
```

```
52          tvEditKontak = findViewById(R.id.tv_edit_kontak);
53          tvProdi = findViewById(R.id.tv_prodi);
54          tvDosen = findViewById(R.id.tv_dosen);
55          tvPembimbing = findViewById(R.id.tv_pembimbing);
56          tvPerusahaan = findViewById(R.id.tv_perusahaan);
57          tvUsername = findViewById(R.id.tv_username);
58          tvEditUsername = findViewById(R.id.tv_edit_username);
59          pref = SharedPrefManager.getInstance(getApplicationContext())
    ;
60          mApiInterface = APIClient.getClient().create(APIService.class
    );
61          ivProfil.setOnClickListener(this);
62          tvEditUsername.setOnClickListener(this);
63          tvEditAngkatan.setOnClickListener(this);
64          tvEditKontak.setOnClickListener(this);
65          tvEditKelas.setOnClickListener(this);
66          tvEditNama.setOnClickListener(this);
67      }
68      @Override
69      protected void onResume() {
70          super.onResume();
71          Login mahasiswa = pref.getMahasiswaLogin();
72          if (mahasiswa != null){
73              getSupportActionBar().setTitle(mahasiswa.getNamaMahasiswa
    ());
74              tvNama.setText(mahasiswa.getNamaMahasiswa());
75              tvKelas.setText(mahasiswa.getKelasMahasiswa());
76              tvAngkatan.setText(mahasiswa.getAngkatanMahasiswa());
77              tvProdi.setText(mahasiswa.getNamaProdi());
78              tvDosen.setText(mahasiswa.getNamaDosen());
79              tvPembimbing.setText(mahasiswa.getNamaPembimbing());
80              tvPerusahaan.setText(mahasiswa.getNamaPerusahaan());
81              tvUsername.setText(mahasiswa.getUsername());
82              tvKontak.setText(mahasiswa.getKontakMahasiswa());
83              Glide.with(this).load(Urls.IMAGE_URL+"mahasiswa/"+pref.
    getMahasiswaLogin().getFotoMahasiswa()).error(R.drawable.profile)
    .into(ivProfil);
84          }
85      }
86      @Override
87      public void onClick(View view) {
88          if (view == ivProfil){
89              menuDialog();
90          }else if (view == tvEditUsername){
91              Intent text = new Intent(getApplicationContext(),
    TextActivity.class);
92              text.putExtra(TextActivity.EXTRA_USER, pref.
    getMahasiswaLogin().getUsername());
93              startActivity(text);
94          }else if (view == tvEditAngkatan){
95              Intent text = new Intent(getApplicationContext(),
    SpinnerActivity.class);
96              text.putExtra(SpinnerActivity.EXTRA_TEXT, pref.
    getMahasiswaLogin().getAngkatanMahasiswa());
97              startActivity(text);
98          }else if (view == tvEditKontak){
```

```
99              Intent text = new Intent(getApplicationContext(),
        TextActivity.class);
100             text.putExtra(TextActivity.EXTRA_KONTAK, pref.
        getMahasiswaLogin().getKontakMahasiswa());
101             startActivity(text);
102         }else if (view == tvEditKelas){
103             Intent text = new Intent(getApplicationContext(),
        SpinnerActivity.class);
104             text.putExtra(SpinnerActivity.EXTRA_TEXT, pref.
        getMahasiswaLogin().getKelasMahasiswa());
105             startActivity(text);
106         }else if (view == tvEditNama){
107             Intent text = new Intent(getApplicationContext(),
        TextActivity.class);
108             text.putExtra(TextActivity.EXTRA_NAMA, pref.
        getMahasiswaLogin().getNamaMahasiswa());
109             startActivity(text);
110         }
111     }
112     private void menuDialog(){
113         CharSequence[] menu = {"Camera", "Select Photo"};
114         AlertDialog.Builder dialog = new AlertDialog.Builder(this)
115                 .setItems(menu, (dialogInterface, i) -> {
116                     switch (i){
117                         case 0:
118                             EasyImage.openCamera(this, REQUEST_IMAGE)
        ;
119                             break;
120                         case 1:
121                             EasyImage.openChooserWithGallery(this, "
        Choose Picture",REQUEST_PHOTO);
122                             break;
123                     }
124                 });
125         dialog.create();
126         dialog.show();
127     }
128     @Override
129     public void onActivityResult(int requestCode, int resultCode,
        Intent data) {
130         super.onActivityResult(requestCode, resultCode, data);
131         EasyImage.handleActivityResult(requestCode, resultCode, data,
         this, new DefaultCallback() {
132             @Override
133             public void onImagePicked(File imageFile, EasyImage.
        ImageSource source, int type) {
134                 CropImage.activity(Uri.fromFile(imageFile))
135                         .setGuidelines(CropImageView.Guidelines.ON)
136                         .setCropShape(CropImageView.CropShape.OVAL)
137                         .setFixAspectRatio(true)
138                         .start(ProfileActivity.this);
139             }
140             @Override
141             public void onImagePickerError(Exception e, EasyImage.
        ImageSource source, int type) {
142                 super.onImagePickerError(e, source, type);
```

```
143                    Toast.makeText(ProfileActivity.this, e.getMessage(),
        Toast.LENGTH_SHORT).show();
144                }
145                @Override
146                public void onCanceled(EasyImage.ImageSource source, int
        type) {
147                    super.onCanceled(source, type);
148                }
149            });
150            if (requestCode == CropImage.CROP_IMAGE_ACTIVITY_REQUEST_CODE
        ) {
151                CropImage.ActivityResult result = CropImage.
        getActivityResult(data);
152                if (resultCode == RESULT_OK) {
153                    Uri resultUri = result.getUri();
154                    simpanFoto(resultUri);
155                } else if (resultCode == CropImage.
        CROP_IMAGE_ACTIVITY_RESULT_ERROR_CODE) {
156                    Exception error = result.getError();
157                    Toast.makeText(this, error.toString(), Toast.
        LENGTH_SHORT).show();
158                }
159            }
160        }
161        public void simpanFoto(Uri resultUri){
162            final ProgressDialog progressDialog = new ProgressDialog(this
        );
163            progressDialog.setMessage("Menyimpan data...");
164            progressDialog.setCancelable(false);
165            progressDialog.show();
166            File image = new File(resultUri.getPath());
167            File file = null;
168            try {
169                file = new Compressor(getApplicationContext()).
        compressToFile(image);
170            } catch (IOException e) {
171                e.printStackTrace();
172            }
173            String idMahasiswa = pref.getMahasiswaLogin().getIdMahasiswa
        ();
174            String namaFile = file.getName();
175            if (!idMahasiswa.isEmpty() && !namaFile.isEmpty()){
176                RequestBody mIdDosen = RequestBody.create(MediaType.parse
        ("text/plain"), idMahasiswa);
177                RequestBody requestFile = RequestBody.create(MediaType.
        parse("multipart/form-data"), file);
178                MultipartBody.Part mFotoMahasiswa = MultipartBody.Part.
        createFormData("foto", file.getName(), requestFile);
179                Call<ResponseInfo> call = mApiInterface.mahasiswaUbahFoto
        (mIdDosen, mFotoMahasiswa);
180                call.enqueue(new Callback<ResponseInfo>() {
181                    @Override
182                    public void onResponse(Call<ResponseInfo> call,
        Response<ResponseInfo> response) {
183                        progressDialog.dismiss();
```

```
184                        Toast . makeText ( getApplicationContext ( ) , response .
      body ( ) . getMessage ( ) , Toast .LENGTH_LONG) . show ( ) ;
185                        if ( response . body ( ) . getStatus ( ) . equals ( "200" ) ) {
186                            Login login = pref . getMahasiswaLogin ( ) ;
187                            login . setFotoMahasiswa ( namaFile ) ;
188                            pref . mahasiswaLogin ( login ) ;
189                            recreate ( ) ;
190                        }
191                    }
192                    @Override
193                    public void onFailure ( Call<ResponseInfo> call ,
      Throwable t ) {
194                        progressDialog . dismiss ( ) ;
195                        Toast . makeText ( getApplicationContext ( ) , "Error :
      "+t . getMessage ( ) , Toast .LENGTH_LONG) . show ( ) ;
196                    }
197                } ) ;
198            } else {
199                progressDialog . dismiss ( ) ;
200                Toast . makeText ( getApplicationContext ( ) , "Something empty"
      , Toast .LENGTH_LONG) . show ( ) ;
201            }
202        }
203 }
```

Setelah itu, kita buat file activity_register.xml di package layout. Kemudian tambahkan script berikut di file tersebut.

```
1  <?xml version="1.0" encoding="utf-8"?>
2  <androidx . constraintlayout . widget . ConstraintLayout xmlns:android="
       http : // schemas . android .com/apk/res/android"
3      xmlns:app="http : // schemas . android .com/apk/res-auto"
4      xmlns:tools="http : // schemas . android .com/tools"
5      android:layout_width="match_parent"
6      android:layout_height="match_parent"
7      tools:context=". activity . RegisterActivity">
8      <RelativeLayout
9          android:layout_width="match_parent"
10         android:layout_height="0dp"
11         app:layout_constraintBottom_toTopOf="@+id/linearLayout"
12         app:layout_constraintEnd_toEndOf="parent"
13         app:layout_constraintStart_toStartOf="parent"
14         app:layout_constraintTop_toTopOf="parent">
15         <FrameLayout
16             android:id="@+id/fl_camera"
17             android:layout_width="match_parent"
18             android:layout_height="match_parent"/>
19     </RelativeLayout>
20     <LinearLayout
21         android:id="@+id/linearLayout"
22         android:layout_width="match_parent"
23         android:layout_height="0dp"
24         android:background="@android:color/white"
25         android:gravity="center"
26         android:orientation="vertical"
27         app:layout_constraintBottom_toBottomOf="parent"
28         app:layout_constraintEnd_toEndOf="parent"
```

```
29              app:layout_constraintStart_toStartOf="parent"
30              app:layout_constraintHeight_percent="0.25">
31          <TextView
32              android:id="@+id/tv_result"
33              android:layout_width="match_parent"
34              android:layout_height="wrap_content"
35              android:gravity="center"
36              android:text="Scan QR Code" />
37      </LinearLayout>
38  </androidx.constraintlayout.widget.ConstraintLayout>
```

Selanjutnya kita buat file RegisterActivity.java di package activity. Kemudian tambahkan script berikut di file tersebut.

```
1  package com.divakrishnam.actspotmahasiswa.activity;
2  import androidx.annotation.NonNull;
3  import androidx.appcompat.app.AppCompatActivity;
4  import android.Manifest;
5  import android.app.ProgressDialog;
6  import android.content.Intent;
7  import android.content.pm.PackageManager;
8  import android.os.Build;
9  import android.os.Bundle;
10  import android.widget.FrameLayout;
11  import android.widget.TextView;
12  import android.widget.Toast;
13  import com.divakrishnam.actspotmahasiswa.R;
14  import com.divakrishnam.actspotmahasiswa.api.APIClient;
15  import com.divakrishnam.actspotmahasiswa.api.APIService;
16  import com.divakrishnam.actspotmahasiswa.model.ResponseInfo;
17  import com.google.zxing.Result;
18  import me.dm7.barcodescanner.zxing.ZXingScannerView;
19  import retrofit2.Call;
20  import retrofit2.Callback;
21  import retrofit2.Response;
22  public class RegisterActivity extends AppCompatActivity implements
        ZXingScannerView.ResultHandler {
23      private ZXingScannerView mScannerView;
24      private FrameLayout flCamera;
25      private APIService mApiInterface;
26      @Override
27      protected void onCreate(Bundle savedInstanceState) {
28          super.onCreate(savedInstanceState);
29          setContentView(R.layout.activity_register);
30          getSupportActionBar().setTitle("Register");
31          flCamera = findViewById(R.id.fl_camera);
32          mApiInterface = APIClient.getClient().create(APIService.class
        );
33          initScannerView();
34      }
35      private void initScannerView(){
36          mScannerView = new ZXingScannerView(this);
37          mScannerView.setAutoFocus(true);
38          mScannerView.setResultHandler(this);
39          flCamera.addView(mScannerView);
40      }
41      @Override
```

```java
42      protected void onStart() {
43          doRequestPermission();
44          mScannerView.startCamera();
45          super.onStart();
46      }
47      @Override
48      protected void onPause() {
49          mScannerView.stopCamera();
50          super.onPause();
51      }
52      private void doRequestPermission() {
53          if (Build.VERSION.SDK_INT >= Build.VERSION_CODES.M) {
54              if (checkSelfPermission(Manifest.permission.CAMERA) !=
        PackageManager.PERMISSION_GRANTED) {
55                  requestPermissions(new String[]{Manifest.permission.
        CAMERA}, 100);
56              }
57          }
58      }
59      @Override
60      public void handleResult(Result result) {
61          mahasiswaRegister(result.getText());
62          mScannerView.resumeCameraPreview(this);
63      }
64      private void mahasiswaRegister(String register) {
65          final ProgressDialog progressDialog = new ProgressDialog(this
        );
66          progressDialog.setMessage("Verification...");
67          progressDialog.setCancelable(false);
68          progressDialog.show();
69          if (!register.isEmpty() && register != null){
70              Call<ResponseInfo> call = mApiInterface.
        mahasiswaRegistrasi(register);
71              call.enqueue(new Callback<ResponseInfo>() {
72                  @Override
73                  public void onResponse(Call<ResponseInfo> call,
        Response<ResponseInfo> response) {
74                      progressDialog.dismiss();
75                      Toast.makeText(getApplicationContext(), response.
        body().getMessage(), Toast.LENGTH_LONG).show();
76                      if(response.body().getStatus().equals("200")) {
77                          finish();
78                      }
79                  }
80                  @Override
81                  public void onFailure(Call<ResponseInfo> call,
        Throwable t) {
82                      progressDialog.dismiss();
83                      Toast.makeText(getApplicationContext(), "Error :
        "+t.getMessage(), Toast.LENGTH_LONG).show();
84                  }
85              });
86          }
87      }
88      @Override
```

```
89      public void onRequestPermissionsResult(int requestCode, @NonNull
        String[] permissions, @NonNull int[] grantResults) {
90          super.onRequestPermissionsResult(requestCode, permissions,
        grantResults);
91          if (requestCode == 100) {
92              if (grantResults[0] == PackageManager.PERMISSION_GRANTED)
        {
93                  Toast.makeText(getApplicationContext(), "Camera
        permission granted", Toast.LENGTH_LONG).show();
94              } else {
95                  Toast.makeText(getApplicationContext(), "Camera
        permission denied", Toast.LENGTH_LONG).show();
96              }
97          }
98      }
99 }
```

Setelah itu, kita buat file activity_spinner.xml di package layout. Kemudian tambahkan script berikut di file tersebut.

```
1  <?xml version="1.0" encoding="utf-8"?>
2  <LinearLayout xmlns:android="http://schemas.android.com/apk/res/
       android"
3      xmlns:app="http://schemas.android.com/apk/res-auto"
4      xmlns:tools="http://schemas.android.com/tools"
5      android:layout_width="match_parent"
6      android:layout_height="match_parent"
7      android:orientation="vertical"
8      android:layout_marginHorizontal="12dp"
9      tools:context=".activity.SpinnerActivity">
10     <TextView
11         android:id="@+id/tv_text"
12         android:layout_width="match_parent"
13         android:layout_height="wrap_content"
14         android:text="Teks"
15         android:layout_marginTop="10dp"/>
16     <Spinner
17         android:id="@+id/sp_text"
18         android:layout_width="match_parent"
19         android:layout_height="wrap_content"
20         android:layout_marginVertical="8dp"
21         android:paddingHorizontal="10dp"
22         android:paddingVertical="20dp"
23         android:background="@drawable/custom_edittext"/>
24     <Button
25         android:id="@+id/btn_savetext"
26         android:layout_width="match_parent"
27         android:layout_height="wrap_content"
28         android:text="Simpan"/>
29 </LinearLayout>
```

Selanjutnya kita buat file SpinnerActivity.java di package activity. Kemudian tambahkan script berikut di file tersebut.

```
1  package com.divakrishnam.actspotmahasiswa.activity;
2  import androidx.appcompat.app.AppCompatActivity;
3  import android.app.ProgressDialog;
```

```
4  import android.graphics.Color;
5  import android.os.Bundle;
6  import android.util.Log;
7  import android.view.View;
8  import android.view.ViewGroup;
9  import android.widget.ArrayAdapter;
10 import android.widget.Button;
11 import android.widget.Spinner;
12 import android.widget.TextView;
13 import android.widget.Toast;
14 import com.divakrishnam.actspotmahasiswa.R;
15 import com.divakrishnam.actspotmahasiswa.api.APIClient;
16 import com.divakrishnam.actspotmahasiswa.api.APIService;
17 import com.divakrishnam.actspotmahasiswa.model.Login;
18 import com.divakrishnam.actspotmahasiswa.model.ResponseInfo;
19 import com.divakrishnam.actspotmahasiswa.util.SharedPrefManager;
20 import java.util.ArrayList;
21 import java.util.Calendar;
22 import java.util.HashMap;
23 import java.util.List;
24 import retrofit2.Call;
25 import retrofit2.Callback;
26 import retrofit2.Response;
27 public class SpinnerActivity extends AppCompatActivity implements
       View.OnClickListener {
28     public static final String EXTRA_TEXT = "extra_text";
29     private TextView tvText;
30     private Spinner spText;
31     private Button btnSave;
32     private String text;
33     private SharedPrefManager pref;
34     private APIService mApiInterface;
35     @Override
36     protected void onCreate(Bundle savedInstanceState) {
37         super.onCreate(savedInstanceState);
38         setContentView(R.layout.activity_spinner);
39         tvText = findViewById(R.id.tv_text);
40         spText = findViewById(R.id.sp_text);
41         btnSave = findViewById(R.id.btn_savetext);
42         pref = SharedPrefManager.getInstance(getApplicationContext())
       ;
43         mApiInterface = APIClient.getClient().create(APIService.class
       );
44         text = getIntent().getStringExtra(EXTRA_TEXT);
45         if (text != null){
46             if (text.length() == 2){
47                 getSupportActionBar().setTitle("Change Kelas");
48                 tvText.setText("Kelas");
49                 spinnerKelas();
50             }else {
51                 getSupportActionBar().setTitle("Change Angkatan");
52                 tvText.setText("Angkatan");
53                 spinnerAngkatan();
54             }
55         }
56         btnSave.setOnClickListener(this);
```

```
57          }
58          @Override
59          public void onClick(View view) {
60              if (view == btnSave){
61                  if (text.length() == 2){
62                      saveKelas();
63                  }else {
64                      saveAngkatan();
65                  }
66              }
67          }
68          private void saveKelas() {
69              final ProgressDialog progressDialog = new ProgressDialog(this
        );
70              progressDialog.setMessage("Menyimpan data...");
71              progressDialog.setCancelable(false);
72              progressDialog.show();
73              String text = spText.getSelectedItem().toString();
74              String idMahasiswa = pref.getMahasiswaLogin().getIdMahasiswa
        ();
75              if (!text.isEmpty()){
76                  Call<ResponseInfo> call = mApiInterface.
        mahasiswaUbahKelas(idMahasiswa, text);
77                  call.enqueue(new Callback<ResponseInfo>() {
78                      @Override
79                      public void onResponse(Call<ResponseInfo> call,
        Response<ResponseInfo> response) {
80                          progressDialog.dismiss();
81                          Toast.makeText(getApplicationContext(), response.
        body().getMessage(), Toast.LENGTH_LONG).show();
82                          if(response.body().getStatus().equals("200")) {
83                              Login login = pref.getMahasiswaLogin();
84                              login.setKelasMahasiswa(text);
85                              pref.mahasiswaLogin(login);
86                              finish();
87                          }
88                      }
89                      @Override
90                      public void onFailure(Call<ResponseInfo> call,
        Throwable t) {
91                          progressDialog.dismiss();
92                          Toast.makeText(getApplicationContext(), "Error :
        "+t.getMessage(), Toast.LENGTH_LONG).show();
93                      }
94                  });
95              }else {
96                  Toast.makeText(getApplicationContext(), "Field kosong",
        Toast.LENGTH_SHORT).show();
97                  progressDialog.dismiss();
98              }
99          }
100         private void saveAngkatan() {
101             final ProgressDialog progressDialog = new ProgressDialog(this
        );
102             progressDialog.setMessage("Menyimpan data...");
103             progressDialog.setCancelable(false);
```

```
104            progressDialog.show();
105            String text = spText.getSelectedItem().toString();
106            String idMahasiswa = pref.getMahasiswaLogin().getIdMahasiswa
       ();
107            if (!text.isEmpty()){
108                Call<ResponseInfo> call = mApiInterface.
       mahasiswaUbahAngkatan(idMahasiswa, text);
109                call.enqueue(new Callback<ResponseInfo>() {
110                    @Override
111                    public void onResponse(Call<ResponseInfo> call,
       Response<ResponseInfo> response) {
112                        progressDialog.dismiss();
113                        Toast.makeText(getApplicationContext(), response.
       body().getMessage(), Toast.LENGTH_LONG).show();
114                        if(response.body().getStatus().equals("200")) {
115                            Login login = pref.getMahasiswaLogin();
116                            login.setAngkatanMahasiswa(text);
117                            pref.mahasiswaLogin(login);
118                            finish();
119                        }
120                    }
121                    @Override
122                    public void onFailure(Call<ResponseInfo> call,
       Throwable t) {
123                        progressDialog.dismiss();
124                        Toast.makeText(getApplicationContext(), "Error :
       "+t.getMessage(), Toast.LENGTH_LONG).show();
125                    }
126                });
127            }else {
128                Toast.makeText(getApplicationContext(), "Field kosong",
       Toast.LENGTH_SHORT).show();
129                progressDialog.dismiss();
130            }
131        }
132    public void spinnerKelas() {
133        List<String> list = new ArrayList<>();
134        list.add("Pilih Kelas");
135        list.add("4A");
136        list.add("4B");
137        list.add("4C");
138        list.add("3A");
139        list.add("3B");
140        list.add("3C");
141        ArrayAdapter<String> adapter = new ArrayAdapter<String>(this,
        android.R.layout.simple_spinner_item, list) {
142            @Override
143            public boolean isEnabled(int position) {
144                return position != 0;
145            }
146            @Override
147            public View getDropDownView(int position, View
       convertView, ViewGroup parent) {
148                View view = super.getDropDownView(position,
       convertView, parent);
149                TextView tv = (TextView) view;
```

```
150                  if (position == 0) {
151                      tv.setTextColor(Color.GRAY);
152                  } else {
153                      tv.setTextColor(Color.BLACK);
154                  }
155                  return view;
156              }
157          };
158          adapter.setDropDownViewResource(android.R.layout.
        simple_spinner_dropdown_item);
159          spText.setAdapter(adapter);
160          if(text != null){
161              spText.setSelection(adapter.getPosition(text));
162          }
163      }
164      public void spinnerAngkatan() {
165          List<String> list = new ArrayList<>();
166          int year = Calendar.getInstance().get(Calendar.YEAR)-3;
167          list.add("Pilih Angkatan");
168          for (int i = 0; i < 6; i++){
169              list.add(String.valueOf(year));
170              year--;
171          }
172          ArrayAdapter<String> adapter = new ArrayAdapter<String>(this,
        android.R.layout.simple_spinner_item, list) {
173              @Override
174              public boolean isEnabled(int position) {
175                  return position != 0;
176              }
177              @Override
178              public View getDropDownView(int position, View
        convertView, ViewGroup parent) {
179                  View view = super.getDropDownView(position,
        convertView, parent);
180                  TextView tv = (TextView) view;
181                  if (position == 0) {
182                      tv.setTextColor(Color.GRAY);
183                  } else {
184                      tv.setTextColor(Color.BLACK);
185                  }
186                  return view;
187              }
188          };
189          adapter.setDropDownViewResource(android.R.layout.
        simple_spinner_dropdown_item);
190          spText.setAdapter(adapter);
191          if(text != null){
192              spText.setSelection(adapter.getPosition(text));
193          }
194      }
195 }
```

Setelah itu, kita buat file activity_text.xml di package layout. Kemudian tambahkan script berikut di file tersebut.

```
1 <?xml version="1.0" encoding="utf-8"?>
```

```xml
2 <LinearLayout xmlns:android="http://schemas.android.com/apk/res/
       android"
3     xmlns:app="http://schemas.android.com/apk/res-auto"
4     xmlns:tools="http://schemas.android.com/tools"
5     android:layout_width="match_parent"
6     android:layout_height="match_parent"
7     android:orientation="vertical"
8     android:layout_marginHorizontal="12dp"
9     tools:context=".activity.TextActivity">
10    <TextView
11        android:id="@+id/tv_text"
12        android:layout_width="match_parent"
13        android:layout_height="wrap_content"
14        android:text="Teks"
15        android:layout_marginTop="10dp"/>
16    <EditText
17        android:id="@+id/et_text"
18        android:layout_width="match_parent"
19        android:layout_height="wrap_content"
20        android:layout_marginVertical="8dp"
21        android:paddingHorizontal="10dp"
22        android:paddingVertical="10dp"
23        android:background="@drawable/custom_edittext"/>
24    <Button
25        android:id="@+id/btn_savetext"
26        android:layout_width="match_parent"
27        android:layout_height="wrap_content"
28        android:text="Simpan"/>
29 </LinearLayout>
```

Selanjutnya kita buat file TextActivity.java di package activity. Kemudian tambahkan script berikut di file tersebut.

```java
1 package com.divakrishnam.actspotmahasiswa.activity;
2 import androidx.appcompat.app.AppCompatActivity;
3 import android.app.ProgressDialog;
4 import android.content.Intent;
5 import android.os.Bundle;
6 import android.view.View;
7 import android.widget.Button;
8 import android.widget.EditText;
9 import android.widget.TextView;
10 import android.widget.Toast;
11 import com.divakrishnam.actspotmahasiswa.R;
12 import com.divakrishnam.actspotmahasiswa.api.APIClient;
13 import com.divakrishnam.actspotmahasiswa.api.APIService;
14 import com.divakrishnam.actspotmahasiswa.model.Login;
15 import com.divakrishnam.actspotmahasiswa.model.ResponseInfo;
16 import com.divakrishnam.actspotmahasiswa.util.SharedPrefManager;
17 import retrofit2.Call;
18 import retrofit2.Callback;
19 import retrofit2.Response;
20 public class TextActivity extends AppCompatActivity implements View.
       OnClickListener {
21     public static final String EXTRA_USER = "extra_user";
22     public static final String EXTRA_NAMA = "extra_nama";
23     public static final String EXTRA_KONTAK = "extra_kontak";
```

```java
24      private TextView tvText;
25      private EditText etText;
26      private Button btnSave;
27      private String user, nama, kontak;
28      private SharedPrefManager pref;
29      private APIService mApiInterface;
30      @Override
31      protected void onCreate(Bundle savedInstanceState) {
32          super.onCreate(savedInstanceState);
33          setContentView(R.layout.activity_text);
34          tvText = findViewById(R.id.tv_text);
35          etText = findViewById(R.id.et_text);
36          btnSave = findViewById(R.id.btn_savetext);
37          pref = SharedPrefManager.getInstance(getApplicationContext());
38          mApiInterface = APIClient.getClient().create(APIService.class);
39          user = getIntent().getStringExtra(EXTRA_USER);
40          nama = getIntent().getStringExtra(EXTRA_NAMA);
41          kontak = getIntent().getStringExtra(EXTRA_KONTAK);
42          if (user!=null){
43              getSupportActionBar().setTitle("Change Username");
44              tvText.setText("Username");
45              etText.setText(user);
46              etText.setSelection(user.length());
47          }else if (nama!=null){
48              getSupportActionBar().setTitle("Change Name");
49              tvText.setText("Nama");
50              etText.setText(nama);
51              etText.setSelection(nama.length());
52          }else if (kontak!=null){
53              getSupportActionBar().setTitle("Change Contact");
54              tvText.setText("Kontak");
55              etText.setText(kontak);
56              etText.setSelection(kontak.length());
57          }
58          btnSave.setOnClickListener(this);
59      }
60      @Override
61      public void onClick(View view) {
62          if (view == btnSave){
63              if (user!=null){
64                  saveUsername();
65              }else if (nama!=null){
66                  saveNama();
67              }else if (kontak!=null){
68                  saveKontak();
69              }
70          }
71      }
72      private void saveUsername(){
73          final ProgressDialog progressDialog = new ProgressDialog(this);
74          progressDialog.setMessage("Menyimpan data...");
75          progressDialog.setCancelable(false);
76          progressDialog.show();
```

```
77          String text = etText.getText().toString();
78          String idMahasiswa = pref.getMahasiswaLogin().getIdMahasiswa
     ();
79          if (!text.isEmpty()){
80              Call<ResponseInfo> call = mApiInterface.
     mahasiswaUbahUsername(idMahasiswa, text);
81              call.enqueue(new Callback<ResponseInfo>() {
82                  @Override
83                  public void onResponse(Call<ResponseInfo> call,
     Response<ResponseInfo> response) {
84                      progressDialog.dismiss();
85                      Toast.makeText(getApplicationContext(), response.
     body().getMessage(), Toast.LENGTH_LONG).show();
86                      if(response.body().getStatus().equals("200")) {
87                          Login login = pref.getMahasiswaLogin();
88                          login.setUsername(text);
89                          pref.mahasiswaLogin(login);
90                          finish();
91                      }
92                  }
93                  @Override
94                  public void onFailure(Call<ResponseInfo> call,
     Throwable t) {
95                      progressDialog.dismiss();
96                      Toast.makeText(getApplicationContext(), "Error :
     "+t.getMessage(), Toast.LENGTH_LONG).show();
97                  }
98              });
99          }else {
100             Toast.makeText(getApplicationContext(), "Field kosong",
     Toast.LENGTH_SHORT).show();
101             progressDialog.dismiss();
102         }
103     }
104     private void saveNama(){
105         final ProgressDialog progressDialog = new ProgressDialog(this
     );
106         progressDialog.setMessage("Menyimpan data...");
107         progressDialog.setCancelable(false);
108         progressDialog.show();
109         String text = etText.getText().toString();
110         String idMahasiswa = pref.getMahasiswaLogin().getIdMahasiswa
     ();
111         if (!text.isEmpty()){
112             Call<ResponseInfo> call = mApiInterface.mahasiswaUbahNama
     (idMahasiswa, text);
113             call.enqueue(new Callback<ResponseInfo>() {
114                 @Override
115                 public void onResponse(Call<ResponseInfo> call,
     Response<ResponseInfo> response) {
116                     progressDialog.dismiss();
117                     Toast.makeText(getApplicationContext(), response.
     body().getMessage(), Toast.LENGTH_LONG).show();
118                     if(response.body().getStatus().equals("200")) {
119                         Login login = pref.getMahasiswaLogin();
120                         login.setNamaMahasiswa(text);
```

```
121                          pref.mahasiswaLogin(login);
122                          finish();
123                      }
124                  }
125                  @Override
126                  public void onFailure(Call<ResponseInfo> call,
      Throwable t) {
127                      progressDialog.dismiss();
128                      Toast.makeText(getApplicationContext(), "Error :
      "+t.getMessage(), Toast.LENGTH_LONG).show();
129                  }
130              });
131          } else {
132              Toast.makeText(getApplicationContext(), "Field kosong",
      Toast.LENGTH_SHORT).show();
133              progressDialog.dismiss();
134          }
135      }
136      private void saveKontak(){
137          final ProgressDialog progressDialog = new ProgressDialog(this
      );
138          progressDialog.setMessage("Menyimpan data...");
139          progressDialog.setCancelable(false);
140          progressDialog.show();
141          String text = etText.getText().toString();
142          String idMahasiswa = pref.getMahasiswaLogin().getIdMahasiswa
      ();
143          if (!text.isEmpty()){
144              Call<ResponseInfo> call = mApiInterface.
      mahasiswaUbahKontak(idMahasiswa, text);
145              call.enqueue(new Callback<ResponseInfo>() {
146                  @Override
147                  public void onResponse(Call<ResponseInfo> call,
      Response<ResponseInfo> response) {
148                      progressDialog.dismiss();
149                      Toast.makeText(getApplicationContext(), response.
      body().getMessage(), Toast.LENGTH_LONG).show();
150                      if(response.body().getStatus().equals("200")) {
151                          Login login = pref.getMahasiswaLogin();
152                          login.setKontakMahasiswa(text);
153                          pref.mahasiswaLogin(login);
154                          finish();
155                      }
156                  }
157                  @Override
158                  public void onFailure(Call<ResponseInfo> call,
      Throwable t) {
159                      progressDialog.dismiss();
160                      Toast.makeText(getApplicationContext(), "Error :
      "+t.getMessage(), Toast.LENGTH_LONG).show();
161                  }
162              });
163          } else {
164              Toast.makeText(getApplicationContext(), "Field kosong",
      Toast.LENGTH_SHORT).show();
165              progressDialog.dismiss();
```

```
166        }
167      }
168  }
```

Setelah itu, kita buat file item_detail_progress.xml di package layout. Kemudian tambahkan script berikut di file tersebut.

```
1  <?xml version="1.0" encoding="utf-8"?>
2  <androidx.cardview.widget.CardView xmlns:android="http://schemas.
       android.com/apk/res/android"
3      android:orientation="vertical" android:layout_width="match_parent
       "
4      android:layout_height="wrap_content"
5      android:layout_marginVertical="5dp"
6      android:layout_marginHorizontal="10dp">
7      <LinearLayout
8          android:layout_width="match_parent"
9          android:layout_height="wrap_content"
10         android:orientation="horizontal"
11         android:padding="10dp">
12         <de.hdodenhof.circleimageview.CircleImageView
13             android:id="@+id/iv_progress"
14             android:layout_width="80dp"
15             android:layout_height="80dp"
16             android:src="@drawable/profile"
17             android:layout_gravity="center_vertical"/>
18         <LinearLayout
19             android:layout_width="match_parent"
20             android:layout_height="wrap_content"
21             android:orientation="vertical"
22             android:layout_marginLeft="16dp"
23             android:layout_marginVertical="4dp">
24             <TextView
25                 android:layout_width="match_parent"
26                 android:layout_height="wrap_content"
27                 android:textStyle="bold"
28                 android:text="Tanggal &amp; Waktu "/>
29             <TextView
30                 android:id="@+id/tv_tgl_waktu"
31                 android:layout_width="match_parent"
32                 android:layout_height="wrap_content"
33                 android:text="Tanggal Waktu"/>
34             <TextView
35                 android:layout_width="match_parent"
36                 android:layout_height="wrap_content"
37                 android:textStyle="bold"
38                 android:layout_marginTop="2dp"
39                 android:text="Kegiatan "/>
40             <TextView
41                 android:id="@+id/tv_kegiatan"
42                 android:layout_width="match_parent"
43                 android:layout_height="wrap_content"
44                 android:text="Kegiatan"/>
45         </LinearLayout>
46     </LinearLayout>
47  </androidx.cardview.widget.CardView>
```

Selanjutnya kita buat file DetailProgressAdapter.java di package adapter. Kemudian tambahkan script berikut di file tersebut.

```
1  package com.divakrishnam.actspotmahasiswa.adapter;
2  import android.content.Context;
3  import android.view.LayoutInflater;
4  import android.view.View;
5  import android.view.ViewGroup;
6  import android.widget.ImageView;
7  import android.widget.TextView;
8  import androidx.annotation.NonNull;
9  import androidx.recyclerview.widget.RecyclerView;
10 import com.bumptech.glide.Glide;
11 import com.divakrishnam.actspotmahasiswa.R;
12 import com.divakrishnam.actspotmahasiswa.model.ProgressPerDay;
13 import com.divakrishnam.actspotmahasiswa.util.Urls;
14 import java.util.List;
15 public class DetailProgressAdapter extends RecyclerView.Adapter<
       DetailProgressAdapter.DetailProgressViewHolder> {
16     private List<ProgressPerDay> mList;
17     private Context mContext;
18     public DetailProgressAdapter(Context context, List<ProgressPerDay
       > list){
19         mContext = context;
20         mList = list;
21     }
22     @NonNull
23     @Override
24     public DetailProgressViewHolder onCreateViewHolder(@NonNull
       ViewGroup parent, int viewType) {
25         View mView = LayoutInflater.from(parent.getContext()).inflate
       (R.layout.item_detail_progress, parent, false);
26         DetailProgressViewHolder mViewHolder = new
       DetailProgressViewHolder(mView);
27         return mViewHolder;
28     }
29     @Override
30     public void onBindViewHolder(@NonNull DetailProgressViewHolder
       holder, int position) {
31         ProgressPerDay progressPerDay = mList.get(position);
32         holder.tvKegiatan.setText(progressPerDay.getKegiatan());
33         holder.tvTglWaktu.setText(progressPerDay.getTglWaktu());
34         Glide.with(mContext).load(Urls.IMAGE_URL+"absensi/"+
       progressPerDay.getFotoAbsensi()).error(R.drawable.profile).into(
       holder.ivProgress);
35     }
36     @Override
37     public int getItemCount() {
38         return mList.size();
39     }
40     public class DetailProgressViewHolder extends RecyclerView.
       ViewHolder {
41         ImageView ivProgress;
42         TextView tvTglWaktu, tvKegiatan;
43         public DetailProgressViewHolder(@NonNull View itemView) {
44             super(itemView);
45             ivProgress = itemView.findViewById(R.id.iv_progress);
```

```
46              tvTglWaktu = itemView.findViewById(R.id.tv_tgl_waktu);
47              tvKegiatan = itemView.findViewById(R.id.tv_kegiatan);
48          }
49      }
50 }
```

Setelah itu, kita buat file item_notification.xml di package layout. Kemudian tambahkan script berikut di file tersebut.

```
1  <?xml version="1.0" encoding="utf-8"?>
2  <androidx.cardview.widget.CardView xmlns:android="http://schemas.
       android.com/apk/res/android"
3      android:orientation="vertical"
4      android:layout_width="match_parent"
5      android:layout_height="wrap_content"
6      android:layout_marginHorizontal="10dp"
7      android:layout_marginVertical="5dp">
8      <LinearLayout
9          android:layout_width="match_parent"
10         android:layout_height="wrap_content"
11         android:orientation="vertical"
12         android:layout_margin="12dp">
13         <TextView
14             android:id="@+id/tv_message"
15             android:layout_width="match_parent"
16             android:layout_height="wrap_content"
17             android:text="Pesan."/>
18         <TextView
19             android:id="@+id/tv_time"
20             android:layout_width="match_parent"
21             android:layout_height="wrap_content"
22             android:textStyle="bold"
23             android:textSize="12sp"
24             android:layout_marginTop="4dp"
25             android:text="2019-12-12 18:00:00"/>
26     </LinearLayout>
27 </androidx.cardview.widget.CardView>
```

Selanjutnya kita buat file NotificationAdapter.java di package adapter. Kemudian tambahkan script berikut di file tersebut.

```
1  package com.divakrishnam.actspotmahasiswa.adapter;
2  import android.content.Context;
3  import android.view.LayoutInflater;
4  import android.view.View;
5  import android.view.ViewGroup;
6  import android.widget.TextView;
7  import androidx.annotation.NonNull;
8  import androidx.recyclerview.widget.RecyclerView;
9  import com.divakrishnam.actspotmahasiswa.R;
10 import com.divakrishnam.actspotmahasiswa.model.Notification;
11 import java.util.List;
12 public class NotificationAdapter extends RecyclerView.Adapter<
       NotificationAdapter.NotificationViewHolder> {
13     private List<Notification> mList;
14     private Context mContext;
15     public NotificationAdapter(Context context, List<Notification>
       list){
```

```
16            mContext = context;
17            mList = list;
18        }
19        @NonNull
20        @Override
21        public NotificationViewHolder onCreateViewHolder(@NonNull
          ViewGroup parent, int viewType) {
22            View mView = LayoutInflater.from(parent.getContext()).inflate
          (R.layout.item_notification, parent, false);
23            NotificationViewHolder mViewHolder = new
          NotificationViewHolder(mView);
24            return mViewHolder;
25        }
26        @Override
27        public void onBindViewHolder(@NonNull NotificationViewHolder
          holder, int position) {
28            final Notification notification = mList.get(position);
29            holder.tvTime.setText(notification.getTglWaktu());
30            holder.tvMessage.setText(notification.getPesan());
31        }
32        @Override
33        public int getItemCount() {
34            return mList.size();
35        }
36        public class NotificationViewHolder extends RecyclerView.
          ViewHolder {
37            TextView tvTime, tvMessage;
38            public NotificationViewHolder(@NonNull View itemView) {
39                super(itemView);
40
41                tvTime = itemView.findViewById(R.id.tv_time);
42                tvMessage = itemView.findViewById(R.id.tv_message);
43            }
44        }
45 }
```

Setelah itu, kita buat file item_progress.xml di package layout. Kemudian tambahkan script berikut di file tersebut.

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <androidx.cardview.widget.CardView xmlns:android="http://schemas.
      android.com/apk/res/android"
3     android:orientation="vertical" android:layout_width="match_parent
      "
4     android:layout_height="wrap_content"
5     android:layout_marginVertical="5dp"
6     android:layout_marginHorizontal="10dp">
7     <LinearLayout
8         android:layout_width="match_parent"
9         android:layout_height="wrap_content"
10        android:orientation="vertical">
11        <TextView
12            android:id="@+id/tv_sort"
13            android:layout_width="match_parent"
14            android:layout_height="wrap_content"
15            android:gravity="center"
16            android:paddingVertical="10dp"
```

```
17              android:textStyle="bold"
18              android:textSize="18sp"
19              android:background="@color/colorPrimaryDark"
20              android:textColor="@android:color/white"
21              android:text="Sort"/>
22          <com.github.mikephil.charting.charts.PieChart
23              android:id="@+id/piechart"
24              android:layout_width="match_parent"
25              android:layout_height="180dp"
26              android:layout_gravity="center"
27              android:layout_margin="8dp"/>
28      </LinearLayout>
29  </androidx.cardview.widget.CardView>
```

Selanjutnya kita buat file ProgressAdapter.java di package adapter. Kemudian tambahkan script berikut di file tersebut.

```
1  package com.divakrishnam.actspotmahasiswa.adapter;
2  import android.app.Activity;
3  import android.content.Context;
4  import android.content.Intent;
5  import android.graphics.Color;
6  import android.view.LayoutInflater;
7  import android.view.View;
8  import android.view.ViewGroup;
9  import android.widget.TextView;
10 import android.widget.Toast;
11 import androidx.annotation.NonNull;
12 import androidx.fragment.app.FragmentActivity;
13 import androidx.fragment.app.FragmentManager;
14 import androidx.recyclerview.widget.RecyclerView;
15 import com.divakrishnam.actspotmahasiswa.R;
16 import com.divakrishnam.actspotmahasiswa.activity.
       DetailProgressActivity;
17 import com.divakrishnam.actspotmahasiswa.activity.LoginActivity;
18 import com.divakrishnam.actspotmahasiswa.model.Progress;
19 import com.github.mikephil.charting.charts.PieChart;
20 import com.github.mikephil.charting.components.Legend;
21 import com.github.mikephil.charting.data.Entry;
22 import com.github.mikephil.charting.data.PieData;
23 import com.github.mikephil.charting.data.PieDataSet;
24 import com.github.mikephil.charting.data.PieEntry;
25 import com.github.mikephil.charting.formatter.PercentFormatter;
26 import com.github.mikephil.charting.utils.ColorTemplate;
27 import java.util.ArrayList;
28 import java.util.List;
29 public class ProgressAdapter extends RecyclerView.Adapter<
       ProgressAdapter.ProgressViewHolder> {
30     private List<Progress> mList;
31     private Context mContext;
32     private ProgressListener mListener;
33     public ProgressAdapter(Context context, List<Progress> list,
       ProgressListener listener) {
34         mContext = context;
35         mList = list;
36         mListener = listener;
37     }
```

```
38      @NonNull
39      @Override
40      public ProgressViewHolder onCreateViewHolder(@NonNull ViewGroup
        parent, int viewType) {
41          View mView = LayoutInflater.from(parent.getContext()).inflate
        (R.layout.item_progress, parent, false);
42          ProgressViewHolder mViewHolder = new ProgressViewHolder(mView
        );
43          return mViewHolder;
44      }
45      @Override
46      public void onBindViewHolder(@NonNull ProgressViewHolder holder,
        int position) {
47          final Progress progress = mList.get(position);
48          holder.tvSort.setText(progress.getSort());
49          int pot = position+1;
50          if (progress.getSort().equals("Hari ke-" + pot)) {
51              holder.tvSort.setOnClickListener(view -> {
52                  Intent day = new Intent(mContext,
        DetailProgressActivity.class);
53                  day.putExtra(DetailProgressActivity.EXTRA_DAY,
        progress.getTglWaktu());
54                  mContext.startActivity(day);
55              });
56          }else if(progress.getSort().equals("Minggu ke-" + pot)){
57              holder.tvSort.setOnClickListener(view -> mListener.
        onWeekClickProgress());
58          }else if(progress.getSort().equals("Bulan ke-" + pot)){
59              holder.tvSort.setOnClickListener(view -> mListener.
        onMonthClickProgress());
60          }
61          holder.pcProgress.setDrawHoleEnabled(true);
62          holder.pcProgress.setHoleRadius(0);
63          holder.pcProgress.setTransparentCircleRadius(0);
64          holder.pcProgress.setRotationAngle(0);
65          holder.pcProgress.setRotationEnabled(true);
66          PieDataSet pieDataSet = new PieDataSet(getData(progress.
        getPersen()), null);
67          pieDataSet.setColors(ColorTemplate.COLORFUL_COLORS);
68          pieDataSet.setSliceSpace(3);
69          pieDataSet.setSelectionShift(5);
70          PieData pieData = new PieData(pieDataSet);
71          pieData.setValueFormatter(new PercentFormatter(holder.
        pcProgress));
72          holder.pcProgress.setUsePercentValues(true);
73          pieData.setValueTextSize(12f);
74          pieData.setValueTextColor(Color.WHITE);
75          holder.pcProgress.setDrawSliceText(false);
76          holder.pcProgress.setData(pieData);
77          holder.pcProgress.animateXY(100, 100);
78          holder.pcProgress.invalidate();
79          holder.pcProgress.getDescription().setEnabled(false);
80      }
81      @Override
82      public int getItemCount() {
83          return mList.size();
```

```
84        }
85        public class ProgressViewHolder extends RecyclerView.ViewHolder {
86            PieChart pcProgress;
87            TextView tvSort;
88            public ProgressViewHolder(@NonNull View itemView) {
89                super(itemView);
90                pcProgress = itemView.findViewById(R.id.piechart);
91                tvSort = itemView.findViewById(R.id.tv_sort);
92            }
93        }
94        private ArrayList getData(String persen) {
95            float full = Float.valueOf(persen);
96            float unfull = 100f - Float.valueOf(persen);
97            ArrayList<PieEntry> entries = new ArrayList<>();
98            entries.add(new PieEntry(full, "Terpenuhi"));
99            entries.add(new PieEntry(unfull, "Tidak terpenuhi"));
100           return entries;
101       }
102       public interface ProgressListener {
103           void onMonthClickProgress();
104           void onWeekClickProgress();
105       }
106   }
```

Setelah itu, kita buat file fragment_absence.xml di package layout. Kemudian tambahkan script berikut di file tersebut.

```
1  <androidx.constraintlayout.widget.ConstraintLayout xmlns:android="
       http://schemas.android.com/apk/res/android"
2      xmlns:app="http://schemas.android.com/apk/res-auto"
3      xmlns:tools="http://schemas.android.com/tools"
4      android:layout_width="match_parent"
5      android:layout_height="match_parent"
6      tools:context=".activity.">
7      <ImageView
8          android:id="@+id/iv_absence"
9          android:layout_width="match_parent"
10         android:layout_height="0dp"
11         android:scaleType="centerCrop"
12         app:layout_constraintBottom_toTopOf="@+id/linearLayout"
13         app:layout_constraintEnd_toEndOf="parent"
14         app:layout_constraintStart_toStartOf="parent"
15         app:layout_constraintTop_toTopOf="parent"
16         android:src="@drawable/profile"/>
17     <LinearLayout
18         android:id="@+id/linearLayout"
19         android:layout_width="match_parent"
20         android:layout_height="0dp"
21         android:background="@android:color/white"
22         android:orientation="vertical"
23         android:layout_marginHorizontal="12dp"
24         app:layout_constraintBottom_toBottomOf="parent"
25         app:layout_constraintEnd_toEndOf="parent"
26         app:layout_constraintStart_toStartOf="parent"
27         app:layout_constraintHeight_percent="0.35">
28         <TextView
29             android:id="@+id/tv_text"
```

```
30              android:layout_width="match_parent"
31              android:layout_height="wrap_content"
32              android:text="Kegiatan"
33              android:layout_marginTop="10dp"/>
34          <Spinner
35              android:id="@+id/sp_kegiatan"
36              android:layout_width="match_parent"
37              android:layout_height="42dp"
38              android:layout_marginVertical="18dp"/>
39          <Button
40              android:id="@+id/btn_absence"
41              android:layout_width="match_parent"
42              android:layout_height="wrap_content"
43              android:text="Absensi"
44              android:textColor="@android:color/white"
45              android:background="@color/colorPrimaryDark"/>
46      </LinearLayout>
47 </androidx.constraintlayout.widget.ConstraintLayout>
```

Selanjutnya kita buat file AbsenceFragment.java di package fragment. Kemudian tambahkan script berikut di file tersebut.

```
1 package com.divakrishnam.actspotmahasiswa.fragment;
2 import android.app.ProgressDialog;
3 import android.content.Context;
4 import android.content.Intent;
5 import android.content.pm.PackageManager;
6 import android.graphics.Color;
7 import android.location.Location;
8 import android.location.LocationListener;
9 import android.location.LocationManager;
10 import android.net.Uri;
11 import android.os.Bundle;
12 import androidx.annotation.NonNull;
13 import androidx.annotation.Nullable;
14 import androidx.core.content.FileProvider;
15 import androidx.fragment.app.Fragment;
16 import android.os.Environment;
17 import android.provider.MediaStore;
18 import android.telephony.TelephonyManager;
19 import android.util.Log;
20 import android.view.LayoutInflater;
21 import android.view.View;
22 import android.view.ViewGroup;
23 import android.widget.ArrayAdapter;
24 import android.widget.Button;
25 import android.widget.ImageView;
26 import android.widget.Spinner;
27 import android.widget.TextView;
28 import android.widget.Toast;
29 import com.bumptech.glide.Glide;
30 import com.divakrishnam.actspotmahasiswa.R;
31 import com.divakrishnam.actspotmahasiswa.activity.MainActivity;
32 import com.divakrishnam.actspotmahasiswa.api.APIClient;
33 import com.divakrishnam.actspotmahasiswa.api.APIService;
34 import com.divakrishnam.actspotmahasiswa.model.Kegiatan;
35 import com.divakrishnam.actspotmahasiswa.model.ResponseInfo;
```

```
36  import com.divakrishnam.actspotmahasiswa.model.ResponseKegiatan;
37  import com.divakrishnam.actspotmahasiswa.util.SharedPrefManager;
38  import java.io.File;
39  import java.io.IOException;
40  import java.text.SimpleDateFormat;
41  import java.util.Calendar;
42  import java.util.Date;
43  import java.util.HashMap;
44  import java.util.List;
45  import java.util.Locale;
46  import id.zelory.compressor.Compressor;
47  import okhttp3.MediaType;
48  import okhttp3.MultipartBody;
49  import okhttp3.RequestBody;
50  import retrofit2.Call;
51  import retrofit2.Callback;
52  import retrofit2.Response;
53  import static android.app.Activity.RESULT_CANCELED;
54  import static android.app.Activity.RESULT_OK;
55  public class AbsenceFragment extends Fragment implements View.
        OnClickListener, LocationListener {
56      private ImageView ivMahasiswa;
57      private Spinner spKegiatan;
58      private Button btnAbsence;
59      private APIService mApiInterface;
60      private List<Kegiatan> kegiatans;
61      private SharedPrefManager pref;
62      private String[] keys;
63      private String[] values;
64      private String latitude = "";
65      private String longtitude = "";
66      private LocationManager locationManager;
67      private String imageFilePath = "";
68      private String deviceid = "";
69      private TelephonyManager mTelephonyManager;
70      public static final int REQUEST_IMAGE = 400;
71      public AbsenceFragment() {
72      }
73      @Override
74      public View onCreateView(LayoutInflater inflater, ViewGroup
        container, Bundle savedInstanceState) {
75          ((MainActivity) getActivity()).setActionBarTitle("Absence");
76          return inflater.inflate(R.layout.fragment_absence, container,
         false);
77      }
78      @Override
79      public void onViewCreated(@NonNull View view, @Nullable Bundle
        savedInstanceState) {
80          super.onViewCreated(view, savedInstanceState);
81          ivMahasiswa = view.findViewById(R.id.iv_absence);
82          spKegiatan = view.findViewById(R.id.sp_kegiatan);
83          btnAbsence = view.findViewById(R.id.btn_absence);
84          pref = SharedPrefManager.getInstance(getContext());
85          mApiInterface = APIClient.getClient().create(APIService.class
        );
86          getLocation();
```

```
87          getDeviceImei();
88          loadKegiatan();
89          ivMahasiswa.setOnClickListener(this);
90          btnAbsence.setOnClickListener(this);
91      }
92      public void simpanAbsensi(){
93          final ProgressDialog progressDialog = new ProgressDialog(
        getContext());
94          progressDialog.setMessage("Menyimpan data...");
95          progressDialog.setCancelable(false);
96          progressDialog.show();
97          int idKeg = (int) spKegiatan.getSelectedItemId();
98          String idKegiatan = keys[idKeg];
99          String idIntern = pref.getMahasiswaLogin().getIdIntern();
100         String idMahasiswa = pref.getMahasiswaLogin().getIdMahasiswa
        ();
101         String idDosen = pref.getMahasiswaLogin().getIdDosen();
102         String idPembimbing = pref.getMahasiswaLogin().
        getIdPembimbing();
103         Calendar calendar = Calendar.getInstance();
104         SimpleDateFormat simpledateformat = new SimpleDateFormat("
        yyyy-MM-dd HH:mm:ss");
105         String time = simpledateformat.format(calendar.getTime());
106         File image = new File(imageFilePath);
107         File file = null;
108         try {
109             file = new Compressor(getContext()).compressToFile(image)
        ;
110         } catch (IOException e) {
111             e.printStackTrace();
112         }
113         if (idIntern != null && idMahasiswa != null && idDosen !=
        null && !latitude.isEmpty() && !longtitude.isEmpty() && !deviceid
        .isEmpty() && !idKegiatan.isEmpty() && file !=null && !time.
        isEmpty()){
114             RequestBody mIdIntern = RequestBody.create(MediaType.
        parse("text/plain"), idIntern);
115             RequestBody mIdMahasiswa = RequestBody.create(MediaType.
        parse("text/plain"), idMahasiswa);
116             RequestBody mIdDosen = RequestBody.create(MediaType.parse
        ("text/plain"), idDosen);
117             RequestBody mLatitude = RequestBody.create(MediaType.
        parse("text/plain"), latitude);
118             RequestBody mLongitude = RequestBody.create(MediaType.
        parse("text/plain"), longtitude);
119             RequestBody mImei = RequestBody.create(MediaType.parse("
        text/plain"), deviceid);
120             RequestBody mIdKegiatan = RequestBody.create(MediaType.
        parse("text/plain"), idKegiatan);
121             RequestBody mWaktu = RequestBody.create(MediaType.parse("
        text/plain"), time);
122             RequestBody mIdPembimbing = RequestBody.create(MediaType.
        parse("text/plain"), idPembimbing);
123             RequestBody requestFile = RequestBody.create(MediaType.
        parse("multipart/form-data"), file);
```

```
124              MultipartBody.Part mFotoAbsensi = MultipartBody.Part.
       createFormData("foto_absensi", file.getName(), requestFile);
125              Call<ResponseInfo> call = mApiInterface.takeAbsence(
       mIdIntern, mIdMahasiswa, mIdDosen, mLatitude, mLongitude, mImei,
       mIdKegiatan, mWaktu, mIdPembimbing, mFotoAbsensi);
126              call.enqueue(new Callback<ResponseInfo>() {
127                  @Override
128                  public void onResponse(Call<ResponseInfo> call,
       Response<ResponseInfo> response) {
129                      progressDialog.dismiss();
130                      Toast.makeText(getContext(), response.body().
       getMessage(), Toast.LENGTH_LONG).show();
131                      Glide.with(getContext()).load(R.drawable.profile)
       .into(ivMahasiswa);
132                      spKegiatan.setSelection(0);
133                  }
134                  @Override
135                  public void onFailure(Call<ResponseInfo> call,
       Throwable t) {
136                      progressDialog.dismiss();
137                      Toast.makeText(getContext(), "Error : "+t.
       getMessage(), Toast.LENGTH_LONG).show();
138                  }
139              });
140          } else {
141              progressDialog.dismiss();
142              Toast.makeText(getContext(), "Something empty", Toast.
       LENGTH_LONG).show();
143          }
144      }
145      private void getDeviceImei() {
146          try {
147              mTelephonyManager = (TelephonyManager) getContext().
       getSystemService(Context.TELEPHONY_SERVICE);
148              deviceid = mTelephonyManager.getDeviceId();
149          } catch (SecurityException e) {
150              e.printStackTrace();
151          }
152      }
153      public void loadKegiatan(){
154          Call<ResponseKegiatan> call = mApiInterface.getKegiatan();
155          call.enqueue(new Callback<ResponseKegiatan>() {
156              @Override
157              public void onResponse(Call<ResponseKegiatan> call,
       Response<ResponseKegiatan> response) {
158                  kegiatans = response.body().getData();
159                  if(kegiatans != null){
160                      spinnerKegiatan(kegiatans);
161                  }
162              }
163              @Override
164              public void onFailure(Call<ResponseKegiatan> call,
       Throwable t) {
165                  Toast.makeText(getContext(), "Error : "+t.getMessage
       (), Toast.LENGTH_LONG).show();
166              }
```

```
167            });
168        }
169        private void capturePhoto() {
170            Intent pictureIntent = new Intent(MediaStore.
        ACTION_IMAGE_CAPTURE);
171            if (pictureIntent.resolveActivity(getActivity().
        getPackageManager()) != null) {
172                File photoFile;
173                try {
174                    photoFile = createImageFile();
175
176                } catch (IOException e) {
177                    e.printStackTrace();
178                    return;
179                }
180                Uri photoUri = FileProvider.getUriForFile(getContext(),
        getActivity().getPackageName() + ".provider", photoFile);
181                pictureIntent.putExtra(MediaStore.EXTRA_OUTPUT, photoUri)
        ;
182                startActivityForResult(pictureIntent, REQUEST_IMAGE);
183            }
184        }
185        private File createImageFile() throws IOException {
186            String timeStamp = new SimpleDateFormat("yyyyMMddHHmmss",
        Locale.getDefault()).format(new Date());
187            String imageFileName = "IMG_" + timeStamp + "_";
188            File storageDir = getActivity().getExternalFilesDir(
        Environment.DIRECTORY_PICTURES);
189            File image = File.createTempFile(imageFileName, ".jpg",
        storageDir);
190            imageFilePath = image.getAbsolutePath();
191
192            return image;
193        }
194        private void getLocation() {
195            try {
196                locationManager = (LocationManager) getActivity().
        getSystemService(Context.LOCATION_SERVICE);
197                locationManager.requestLocationUpdates(LocationManager.
        NETWORK_PROVIDER, 5000, 5, this);
198            } catch (SecurityException e) {
199                e.printStackTrace();
200            }
201        }
202        public void spinnerKegiatan(List<Kegiatan> kegiatans) {
203            int size = kegiatans.size()+1;
204            String[] values = new String[size];
205            keys = new String[size];
206            HashMap<String, String> map;
207            int i = 0;
208            map = new HashMap<>();
209            values[i] = "Pilih Kegiatan";
210            keys[i] = "0";
211            map.put(keys[i], values[i]);
212            i++;
213            for (Kegiatan kegiatan : kegiatans) {
```

```
214                     values[i] = kegiatan.getNamaKegiatan();
215                     keys[i] = kegiatan.getIdKegiatan();
216                     map.put(keys[i], values[i]);
217                     i++;
218                 }
219             ArrayAdapter<String> adapter = new ArrayAdapter<String>(
        getContext(), android.R.layout.simple_spinner_item, values) {
220                 @Override
221                 public boolean isEnabled(int position) {
222                     return position != 0;
223                 }
224                 @Override
225                 public View getDropDownView(int position, View
        convertView, ViewGroup parent) {
226                     View view = super.getDropDownView(position,
        convertView, parent);
227                     TextView tv = (TextView) view;
228                     if (position == 0) {
229                         tv.setTextColor(Color.GRAY);
230                     } else {
231                         tv.setTextColor(Color.BLACK);
232                     }
233                     return view;
234                 }
235             };
236             adapter.setDropDownViewResource(android.R.layout.
        simple_spinner_dropdown_item);
237             spKegiatan.setAdapter(adapter);
238         }
239         @Override
240         public void onLocationChanged(Location location) {
241             latitude = String.valueOf(location.getLatitude());
242             longtitude = String.valueOf(location.getLongitude());
243         }
244         @Override
245         public void onStatusChanged(String s, int i, Bundle bundle) {
246         }
247         @Override
248         public void onProviderEnabled(String s) {
249         }
250         @Override
251         public void onProviderDisabled(String s) {
252             Toast.makeText(getContext(), "Please Enable GPS and Internet"
        , Toast.LENGTH_SHORT).show();
253         }
254         @Override
255         public void onClick(View view) {
256             if (view == ivMahasiswa){
257                 capturePhoto();
258             }else if(view == btnAbsence){
259                 simpanAbsensi();
260             }
261         }
262         @Override
263         public void onActivityResult(int requestCode, int resultCode,
        Intent data) {
```

```
264          super.onActivityResult(requestCode, resultCode, data);
265          if (requestCode == REQUEST_IMAGE) {
266              if (resultCode == RESULT_OK) {
267                  Glide.with(this).load(imageFilePath).into(ivMahasiswa
     );
268              } else if (resultCode == RESULT_CANCELED) {
269                  imageFilePath = "";
270                  Toast.makeText(getContext(), "You cancelled the
     operation", Toast.LENGTH_SHORT).show();
271              }
272          }
273      }
274 }
```

Setelah itu, kita buat file fragment_notification.xml di package layout. Kemudian tambahkan script berikut di file tersebut.

```
1 <RelativeLayout xmlns:android="http://schemas.android.com/apk/res/
     android"
2     xmlns:tools="http://schemas.android.com/tools"
3     android:layout_width="match_parent"
4     android:layout_height="match_parent"
5     tools:context=".fragment.">
6     <ProgressBar
7         android:id="@+id/pb_progress"
8         style="?android:attr/progressBarStyle"
9         android:layout_width="wrap_content"
10        android:layout_height="wrap_content"
11        android:layout_centerHorizontal="true"
12        android:layout_centerVertical="true"
13        android:maxWidth="30dp"
14        android:maxHeight="30dp"
15        android:minWidth="30dp"
16        android:minHeight="30dp"
17        android:visibility="gone" />
18    <TextView
19        android:id="@+id/tv_error"
20        android:layout_width="wrap_content"
21        android:layout_height="wrap_content"
22        android:layout_centerHorizontal="true"
23        android:layout_centerVertical="true"
24        android:text="Gagal memuat data"
25        android:visibility="gone"/>
26    <ScrollView
27        android:layout_width="match_parent"
28        android:layout_height="wrap_content"
29        android:layout_centerHorizontal="true">
30        <LinearLayout
31            android:layout_width="match_parent"
32            android:layout_height="wrap_content"
33            android:layout_marginBottom="80dp"
34            android:orientation="vertical">
35            <androidx.recyclerview.widget.RecyclerView
36                android:id="@+id/rv_notification"
37                android:layout_width="match_parent"
38                android:layout_height="match_parent"
39                android:scrollbars="vertical" />
```

```
40          </LinearLayout>
41      </ScrollView>
42 </RelativeLayout>
```

Selanjutnya kita buat file NotificationFragment.java di package fragment. Kemudian tambahkan script berikut di file tersebut.

```
1  package com.divakrishnam.actspotmahasiswa.fragment;
2  import android.os.Bundle;
3  import androidx.annotation.NonNull;
4  import androidx.annotation.Nullable;
5  import androidx.fragment.app.Fragment;
6  import androidx.recyclerview.widget.LinearLayoutManager;
7  import androidx.recyclerview.widget.RecyclerView;
8  import android.view.LayoutInflater;
9  import android.view.View;
10 import android.view.ViewGroup;
11 import android.widget.ProgressBar;
12 import android.widget.TextView;
13 import com.divakrishnam.actspotmahasiswa.R;
14 import com.divakrishnam.actspotmahasiswa.activity.MainActivity;
15 import com.divakrishnam.actspotmahasiswa.adapter.NotificationAdapter;
16 import com.divakrishnam.actspotmahasiswa.api.APIClient;
17 import com.divakrishnam.actspotmahasiswa.api.APIService;
18 import com.divakrishnam.actspotmahasiswa.model.ResponseNotification;
19 import com.divakrishnam.actspotmahasiswa.util.SharedPrefManager;
20 import retrofit2.Call;
21 import retrofit2.Callback;
22 import retrofit2.Response;
23 public class NotificationFragment extends Fragment {
24     private RecyclerView rvNotification;
25     private APIService mApiInterface;
26     private SharedPrefManager pref;
27     private ProgressBar pbProgress;
28     private TextView tvError;
29     public NotificationFragment() {
30     }
31     @Override
32     public View onCreateView(LayoutInflater inflater, ViewGroup
       container, Bundle savedInstanceState) {
33         ((MainActivity) getActivity()).setActionBarTitle("
       Notification");
34         return inflater.inflate(R.layout.fragment_notification,
       container, false);
35     }
36     @Override
37     public void onViewCreated(@NonNull View view, @Nullable Bundle
       savedInstanceState) {
38         super.onViewCreated(view, savedInstanceState);
39         pbProgress = view.findViewById(R.id.pb_progress);
40         rvNotification = view.findViewById(R.id.rv_notification);
41         tvError = view.findViewById(R.id.tv_error);
42         pref = SharedPrefManager.getInstance(getContext());
43         mApiInterface = APIClient.getClient().create(APIService.class
       );
44         showNotification();
45     }
```

```
46    private void showNotification() {
47        showLoading(true);
48        String idMahasiswa = pref.getMahasiswaLogin().getIdMahasiswa
    ();
49        String idIntern = pref.getMahasiswaLogin().getIdIntern();
50        rvNotification.setLayoutManager(new LinearLayoutManager(
    getContext()));
51        Call<ResponseNotification> call = mApiInterface.
    notificationMahasiswa(idIntern, idMahasiswa);
52        call.enqueue(new Callback<ResponseNotification>() {
53            @Override
54            public void onResponse(Call<ResponseNotification> call,
    Response<ResponseNotification> response) {
55                showLoading(false);
56                if (response.body().getStatus().equals("200")) {
57                    NotificationAdapter notificationAdapter = new
    NotificationAdapter(getContext(), response.body().getData());
58                    rvNotification.setAdapter(notificationAdapter);
59                } else {
60                    showMessage(true, response.body().getMessage());
61                }
62            }
63            @Override
64            public void onFailure(Call<ResponseNotification> call,
    Throwable t) {
65                showLoading(false);
66                showMessage(true, t.getMessage());
67            }
68        });
69    }
70    private void showLoading(Boolean state) {
71        if (state) {
72            pbProgress.setVisibility(View.VISIBLE);
73        } else {
74            pbProgress.setVisibility(View.GONE);
75        }
76    }
77    private void showMessage(Boolean state, String message) {
78        if (state) {
79            tvError.setText(message);
80            tvError.setVisibility(View.VISIBLE);
81        } else {
82            tvError.setVisibility(View.GONE);
83        }
84    }
85 }
```

Setelah itu, kita buat file fragment_profile.xml di package layout. Kemudian tambahkan script berikut di file tersebut.

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <LinearLayout xmlns:android="http://schemas.android.com/apk/res/
    android"
3    xmlns:tools="http://schemas.android.com/tools"
4    android:layout_width="match_parent"
5    android:layout_height="wrap_content"
6    android:orientation="vertical"
```

```
7         tools:context=".fragment.ProfileFragment">
8     <LinearLayout
9         android:layout_width="match_parent"
10        android:layout_height="wrap_content"
11        android:orientation="horizontal"
12        android:layout_marginHorizontal="10dp"
13        android:layout_marginVertical="30dp">
14        <de.hdodenhof.circleimageview.CircleImageView
15            android:id="@+id/img_profile"
16            android:layout_width="120dp"
17            android:layout_height="120dp"
18            android:src="@drawable/profile"/>
19        <TextView
20            android:id="@+id/tv_nama"
21            android:layout_width="match_parent"
22            android:layout_height="120dp"
23            android:text="Kadek Diva Krishna Murti"
24            android:textStyle="bold"
25            android:textSize="18sp"
26            android:layout_marginLeft="15dp"
27            android:gravity="center_vertical"/>
28    </LinearLayout>
29    <LinearLayout
30        android:layout_width="match_parent"
31        android:layout_height="wrap_content"
32        android:orientation="vertical"
33        android:layout_marginLeft="14dp">
34    <View
35        android:layout_width="match_parent"
36        android:layout_height="0.2dp"
37        android:background="#c0c0c0"/>
38    <TextView
39        android:id="@+id/tv_profile"
40        android:layout_width="match_parent"
41        android:layout_height="wrap_content"
42        android:text="Ubah Profile"
43        android:paddingVertical="18dp"/>
44    <View
45        android:layout_width="match_parent"
46        android:layout_height="0.2dp"
47        android:background="#c0c0c0"/>
48    <TextView
49        android:id="@+id/tv_password"
50        android:layout_width="match_parent"
51        android:layout_height="wrap_content"
52        android:text="Ubah Password"
53        android:paddingVertical="18dp"/>
54    <View
55        android:layout_width="match_parent"
56        android:layout_height="0.2dp"
57        android:background="#c0c0c0"/>
58        <TextView
59            android:id="@+id/tv_keluar"
60            android:layout_width="match_parent"
61            android:layout_height="wrap_content"
62            android:text="Keluar"
```

```
63              android:paddingVertical="18dp"/>
64      <View
65          android:layout_width="match_parent"
66          android:layout_height="0.2dp"
67          android:background="#c0c0c0"/>
68      </LinearLayout>
69 </LinearLayout>
```

Selanjutnya kita buat file ProfileFragment.java di package fragment. Kemudian tambahkan script berikut di file tersebut.

```
1  package com.divakrishnam.actspotmahasiswa.fragment;
2  import android.content.DialogInterface;
3  import android.content.Intent;
4  import android.os.Bundle;
5  import androidx.annotation.NonNull;
6  import androidx.annotation.Nullable;
7  import androidx.appcompat.app.AlertDialog;
8  import androidx.fragment.app.Fragment;
9  import android.view.LayoutInflater;
10 import android.view.View;
11 import android.view.ViewGroup;
12 import android.widget.ImageView;
13 import android.widget.LinearLayout;
14 import android.widget.TextView;
15 import android.widget.Toast;
16 import com.bumptech.glide.Glide;
17 import com.divakrishnam.actspotmahasiswa.R;
18 import com.divakrishnam.actspotmahasiswa.activity.LoginActivity;
19 import com.divakrishnam.actspotmahasiswa.activity.MainActivity;
20 import com.divakrishnam.actspotmahasiswa.activity.PasswordActivity;
21 import com.divakrishnam.actspotmahasiswa.activity.ProfileActivity;
22 import com.divakrishnam.actspotmahasiswa.activity.TextActivity;
23 import com.divakrishnam.actspotmahasiswa.util.SharedPrefManager;
24 import com.divakrishnam.actspotmahasiswa.util.Urls;
25 public class ProfileFragment extends Fragment implements View.
       OnClickListener{
26     private ImageView ivProfile;
27     private TextView tvProfile, tvPassword, tvNama, tvKeluar;
28     private SharedPrefManager pref;
29     public ProfileFragment() {
30     }
31     @Override
32     public View onCreateView(LayoutInflater inflater, ViewGroup
       container, Bundle savedInstanceState) {
33         ((MainActivity) getActivity()).setActionBarTitle("My Profile"
       );
34         return inflater.inflate(R.layout.fragment_profile, container,
        false);
35     }
36     @Override
37     public void onViewCreated(@NonNull View view, @Nullable Bundle
       savedInstanceState) {
38         super.onViewCreated(view, savedInstanceState);
39         ivProfile = view.findViewById(R.id.img_profile);
40         tvNama = view.findViewById(R.id.tv_nama);
41         tvProfile = view.findViewById(R.id.tv_profile);
```

```
42        tvPassword = view.findViewById(R.id.tv_password);
43        tvKeluar = view.findViewById(R.id.tv_keluar);
44        pref = SharedPrefManager.getInstance(getContext());
45        tvNama.setText(pref.getMahasiswaLogin().getNamaMahasiswa());
46        Glide.with(this).load(Urls.IMAGE_URL+"mahasiswa/"+pref.
      getMahasiswaLogin().getFotoMahasiswa()).error(R.drawable.profile)
      .into(ivProfile);
47        tvProfile.setOnClickListener(this);
48        tvPassword.setOnClickListener(this);
49        tvKeluar.setOnClickListener(this);
50    }
51    @Override
52    public void onResume() {
53        super.onResume();
54        tvNama.setText(pref.getMahasiswaLogin().getNamaMahasiswa());
55        Glide.with(this).load(Urls.IMAGE_URL+"mahasiswa/"+pref.
      getMahasiswaLogin().getFotoMahasiswa()).error(R.drawable.profile)
      .into(ivProfile);
56    }
57    @Override
58    public void onClick(View view) {
59        if (view == tvProfile){
60            Intent intent = new Intent(getContext(), ProfileActivity.
      class);
61            startActivity(intent);
62        }else if (view == tvPassword){
63            Intent intent = new Intent(getContext(), PasswordActivity
      .class);
64            startActivity(intent);
65        }else if (view == tvKeluar) {
66            pref.logout();
67            getActivity().finish();
68            startActivity(new Intent(getContext(), LoginActivity.
      class));
69        }
70    }
71 }
```

Setelah itu, kita buat file fragment_progress.xml di package layout. Kemudian tambahkan script berikut di file tersebut.

```
1 <RelativeLayout xmlns:android="http://schemas.android.com/apk/res/
      android"
2     xmlns:tools="http://schemas.android.com/tools"
3     android:layout_width="match_parent"
4     android:layout_height="match_parent"
5     tools:context=".fragment.ProgressFragment">
6     <ProgressBar
7         android:id="@+id/pb_progress"
8         style="?android:attr/progressBarStyle"
9         android:layout_width="wrap_content"
10        android:layout_height="wrap_content"
11        android:layout_centerHorizontal="true"
12        android:layout_centerVertical="true"
13        android:maxWidth="30dp"
14        android:maxHeight="30dp"
15        android:minWidth="30dp"
```

```
16              android:minHeight="30dp"
17              android:visibility="gone" />
18      <TextView
19              android:id="@+id/tv_error"
20              android:layout_width="wrap_content"
21              android:layout_height="wrap_content"
22              android:layout_centerHorizontal="true"
23              android:layout_centerVertical="true"
24              android:text="Gagal memuat data"
25              android:visibility="gone"/>
26      <ScrollView
27              android:layout_width="match_parent"
28              android:layout_height="wrap_content"
29              android:layout_centerHorizontal="true">
30          <LinearLayout
31              android:layout_width="match_parent"
32              android:layout_height="wrap_content"
33              android:orientation="vertical"
34              android:paddingBottom="60dp">
35              <androidx.recyclerview.widget.RecyclerView
36                  android:id="@+id/rv_progress"
37                  android:layout_width="match_parent"
38                  android:layout_height="match_parent"
39                  android:scrollbars="vertical" />
40          </LinearLayout>
41      </ScrollView>
42  </RelativeLayout>
```

Selanjutnya kita buat file ProgressFragment.java di package fragment. Kemudian tambahkan script berikut di file tersebut.

```
1  package com.divakrishnam.actspotmahasiswa.fragment;
2  import android.app.ActionBar;
3  import android.app.AlertDialog;
4  import android.content.Intent;
5  import android.os.Bundle;
6  import androidx.annotation.NonNull;
7  import androidx.annotation.Nullable;
8  import androidx.fragment.app.Fragment;
9  import androidx.fragment.app.FragmentActivity;
10 import androidx.recyclerview.widget.GridLayoutManager;
11 import androidx.recyclerview.widget.RecyclerView;
12 import android.util.Log;
13 import android.view.LayoutInflater;
14 import android.view.Menu;
15 import android.view.MenuInflater;
16 import android.view.MenuItem;
17 import android.view.View;
18 import android.view.ViewGroup;
19 import android.widget.ProgressBar;
20 import android.widget.TextView;
21 import android.widget.Toast;
22 import com.divakrishnam.actspotmahasiswa.R;
23 import com.divakrishnam.actspotmahasiswa.activity.MainActivity;
24 import com.divakrishnam.actspotmahasiswa.adapter.ProgressAdapter;
25 import com.divakrishnam.actspotmahasiswa.api.APIClient;
26 import com.divakrishnam.actspotmahasiswa.api.APIService;
```

```
27  import com.divakrishnam.actspotmahasiswa.model.Progress;
28  import com.divakrishnam.actspotmahasiswa.model.ResponseProgress;
29  import com.divakrishnam.actspotmahasiswa.util.SharedPrefManager;
30  import java.util.List;
31  import retrofit2.Call;
32  import retrofit2.Callback;
33  import retrofit2.Response;
34  public class ProgressFragment extends Fragment implements
        ProgressAdapter.ProgressListener {
35      private RecyclerView rvProgress;
36      private APIService mApiInterface;
37      private SharedPrefManager pref;
38      private ProgressBar pbProgress;
39      private TextView tvError;
40      public ProgressFragment() {
41      }
42      @Override
43      public View onCreateView(LayoutInflater inflater, ViewGroup
        container, Bundle savedInstanceState) {
44          setHasOptionsMenu(true);
45          ((MainActivity) getActivity()).setActionBarTitle("My Progress
        ");
46          return inflater.inflate(R.layout.fragment_progress, container
        , false);
47      }
48      @Override
49      public void onViewCreated(@NonNull View view, @Nullable Bundle
        savedInstanceState) {
50          super.onViewCreated(view, savedInstanceState);
51          pbProgress = view.findViewById(R.id.pb_progress);
52          rvProgress = view.findViewById(R.id.rv_progress);
53          tvError = view.findViewById(R.id.tv_error);
54          pref = SharedPrefManager.getInstance(getContext());
55          mApiInterface = APIClient.getClient().create(APIService.class
        );
56      }
57      @Override
58      public void onResume() {
59          super.onResume();
60          if(pref.getSort() == null){
61              showProgress("bulan");
62              pref.setSort("bulan");
63          }{
64              showProgress(pref.getSort());
65          }
66      }
67      private void showProgress(String sort) {
68          showLoading(true);
69          String idIntern = pref.getRegistrasiPerusahaan().getIdIntern
        ();
70          String idMahasiswa = pref.getRegistrasiPerusahaan().
        getIdMahasiswa();
71          rvProgress.setLayoutManager(new GridLayoutManager(getContext
        (), 2));
72          Call<ResponseProgress> call = mApiInterface.progressMahasiswa
        (idIntern, idMahasiswa, sort);
```

```
73              call.enqueue(new Callback<ResponseProgress>() {
74                  @Override
75                  public void onResponse(Call<ResponseProgress> call,
        Response<ResponseProgress> response) {
76                      showLoading(false);
77                      if(response.body().getStatus().equals("201") ||
        response.body().getStatus().equals("202") || response.body().
        getStatus().equals("203")){
78                          showProgress(response.body().getData());
79                      }else{
80                          showMessage(true, response.body().getMessage());
81                      }
82                  }
83                  @Override
84                  public void onFailure(Call<ResponseProgress> call,
        Throwable t) {
85                      showLoading(false);
86                      showMessage(true, t.getMessage());
87                  }
88              });
89          }
90          private void showProgress(List<Progress> data){
91              ProgressAdapter progressAdapter = new ProgressAdapter(
        getContext(), data, this);
92              rvProgress.setAdapter(progressAdapter);
93          }
94          private void showLoading(Boolean state) {
95              if (state) {
96                  pbProgress.setVisibility(View.VISIBLE);
97              } else {
98                  pbProgress.setVisibility(View.GONE);
99              }
100         }
101         private void showMessage(Boolean state, String message) {
102             if (state) {
103                 tvError.setText(message);
104                 tvError.setVisibility(View.VISIBLE);
105             } else {
106                 tvError.setVisibility(View.GONE);
107             }
108         }
109         @Override
110         public void onCreateOptionsMenu(@NonNull Menu menu, @NonNull
        MenuInflater inflater) {
111             inflater.inflate(R.menu.menu_progress, menu);
112             super.onCreateOptionsMenu(menu, inflater);
113         }
114         @Override
115         public boolean onOptionsItemSelected(@NonNull MenuItem menuItem)
        {
116             if (menuItem.getItemId() == R.id.menu_sort_progress) {
117                 sortProgress();
118             }
119             return true;
120         }
121         private void sortProgress() {
```

```
122          AlertDialog.Builder builder = new AlertDialog.Builder(
      getContext());
123          String[] sorts = {"Date", "Week", "Month"};
124          builder.setItems(sorts, (dialog, which) -> {
125              switch (which) {
126                  case 0:
127                      showProgress("hari");
128                      pref.setSort("hari");
129                      break;
130                  case 1:
131                      showProgress("minggu");
132                      pref.setSort("minggu");
133                      break;
134                  case 2:
135                      showProgress("bulan");
136                      pref.setSort("bulan");
137                      break;
138              }
139          });
140          AlertDialog dialog = builder.create();
141          dialog.show();
142      }
143      @Override
144      public void onMonthClickProgress() {
145          showProgress("minggu");
146          pref.setSort("minggu");
147      }
148      @Override
149      public void onWeekClickProgress() {
150          showProgress("hari");
151          pref.setSort("hari");
152      }
153 }
```

Setelah itu, tambahkan script berikut di file tersebut pada file AndroidManifest.xml

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <manifest xmlns:android="http://schemas.android.com/apk/res/android"
3     xmlns:dist="http://schemas.android.com/apk/distribution"
4     package="com.divakrishnam.actspotmahasiswa">
5     <uses-feature
6         android:name="android.hardware.camera.any"
7         android:required="true" />
8     <uses-feature
9         android:name="android.hardware.camera.autofocus"
10        android:required="false" />
11    <uses-permission android:name="android.permission.CAMERA" />
12    <dist:module dist:instant="true" />
13    <uses-permission android:name="android.permission.
      ACCESS_COARSE_LOCATION" />
14    <uses-permission android:name="android.permission.
      ACCESS_FINE_LOCATION" />
15    <uses-permission android:name="android.permission.INTERNET" />
16    <uses-permission android:name="android.permission.
      WRITE_EXTERNAL_STORAGE" />
17    <uses-permission android:name="android.permission.
      READ_EXTERNAL_STORAGE" />
```

```xml
18      <uses−permission android:name="android.permission.
        READ_PHONE_STATE" />
19      <application
20          android:allowBackup="true"
21          android:icon="@mipmap/ic_launcher"
22          android:label="@string/app_name"
23          android:roundIcon="@mipmap/ic_launcher_round"
24          android:supportsRtl="true"
25          android:theme="@style/AppTheme">
26          <activity android:name=".activity.DetailProgressActivity"
27              android:parentActivityName=".activity.MainActivity"></
        activity>
28          <activity android:name=".activity.SpinnerActivity"
29              android:parentActivityName=".activity.ProfileActivity"></
        activity>
30          <activity android:name=".activity.NoticeActivity" />
31          <activity android:name=".activity.TextActivity"
32              android:parentActivityName=".activity.ProfileActivity"></
        activity>
33          <activity
34              android:name=".activity.ProfileActivity"
35              android:parentActivityName=".activity.MainActivity" />
36          <activity android:name=".activity.CompanyActivity" />
37          <activity
38              android:name=".activity.PasswordActivity"
39              android:parentActivityName=".activity.MainActivity" />
40          <activity
41              android:name=".activity.RegisterActivity"
42              android:parentActivityName=".activity.LoginActivity" />
43          <activity android:name=".activity.LoginActivity" />
44          <activity android:name=".activity.MainActivity">
45              <intent−filter>
46                  <action android:name="android.intent.action.MAIN" />
47
48                  <category android:name="android.intent.category.
        LAUNCHER" />
49              </intent−filter>
50          </activity>
51          <activity
52              android:name="com.theartofdev.edmodo.cropper.
        CropImageActivity"
53              android:theme="@style/Base.Theme.AppCompat"/>
54          <provider
55              android:name="com.divakrishnam.actspotmahasiswa.util.
        MahasiswaFileProvider"
56              android:authorities="${applicationId}.provider"
57              android:exported="false"
58              android:grantUriPermissions="true">
59              <meta−data
60                  android:name="android.support.FILE_PROVIDER_PATHS"
61                  android:resource="@xml/file_paths" />
62          </provider>
63      </application>
64  </manifest>
```

4.1.3.2 *Pembimbing Internal* Selanjutnya kita akan membuat aplikasi Android untuk pembimbing internal (dosen) menggunakan Android Studio. Jadi pastikan sebelumnya anda telah menginstall Android Studio. Pertama kita sesuaikan build.gradlenya menjadi seperti ini.

```
1  // Top−level build file where you can add configuration options
       common to all sub−projects/modules.
2
3  buildscript {
4      repositories {
5          google()
6          jcenter()
7          maven { url 'https://jitpack.io' }
8
9      }
10     dependencies {
11         classpath 'com.android.tools.build:gradle:3.5.2'
12
13         // NOTE: Do not place your application dependencies here;
       they belong
14         // in the individual module build.gradle files
15     }
16 }
17
18 allprojects {
19     repositories {
20         google()
21         jcenter()
22         maven { url 'https://jitpack.io' }
23
24     }
25 }
26
27 task clean(type: Delete) {
28     delete rootProject.buildDir
29 }
```

Kemudian kita sesuaikan build.gradle kedua menjadi seperti ini.

```
1  apply plugin: 'com.android.application'
2
3  android {
4      compileSdkVersion 29
5      buildToolsVersion "29.0.2"
6      defaultConfig {
7          applicationId "com.divakrishnam.actspotpembimbinginternal"
8          minSdkVersion 19
9          targetSdkVersion 29
10         versionCode 1
11         versionName "1.0"
12         testInstrumentationRunner "androidx.test.runner.
       AndroidJUnitRunner"
13     }
14     buildTypes {
15         release {
16             minifyEnabled false
```

```
17              proguardFiles getDefaultProguardFile('proguard-android-
        optimize.txt'), 'proguard-rules.pro'
18          }
19      }
20      compileOptions {
21          sourceCompatibility JavaVersion.VERSION_1_8
22          targetCompatibility JavaVersion.VERSION_1_8
23      }
24 }
25
26 dependencies {
27      implementation fileTree(dir: 'libs', include: ['*.jar'])
28      implementation 'androidx.appcompat:appcompat:1.1.0'
29      implementation 'androidx.constraintlayout:constraintlayout:1.1.3'
30      implementation 'me.dm7.barcodescanner:zxing:1.9.8'
31      implementation 'androidx.legacy:legacy-support-v4:1.0.0'
32      implementation 'androidx.recyclerview:recyclerview:1.1.0'
33      implementation 'androidx.cardview:cardview:1.0.0'
34      implementation 'com.squareup.picasso:picasso:2.71828'
35      implementation 'de.hdodenhof:circleimageview:3.0.1'
36      implementation 'com.google.android.material:material:1.2.0-
        alpha02'
37      implementation 'com.jakewharton:butterknife:8.4.0'
38      annotationProcessor 'com.jakewharton:butterknife-compiler:8.4.0'
39      implementation 'com.squareup.retrofit2:retrofit:2.4.0'
40      implementation 'com.squareup.retrofit2:converter-gson:2.4.0'
41      implementation 'id.zelory:compressor:2.1.0'
42      implementation 'com.github.bumptech.glide:glide:4.10.0'
43      annotationProcessor 'com.github.bumptech.glide:compiler:4.10.0'
44      implementation 'com.google.android.gms:play-services-maps:17.0.0'
45      implementation 'com.github.PhilJay:MPAndroidChart:v3.1.0'
46      implementation 'com.theartofdev.edmodo:android-image-cropper
        :2.8.0'
47      implementation 'com.github.jkwiecien:EasyImage:1.3.1'
48      testImplementation 'junit:junit:4.12'
49      androidTestImplementation 'androidx.test.ext:junit:1.1.1'
50      androidTestImplementation 'androidx.test.espresso:espresso-core
        :3.2.0'
51 }
```

Selanjutnya kita buat file model Login.java di package model. Kemudian tambahkan script berikut di file tersebut.

```
1 package com.divakrishnam.actspotpembimbinginternal.model;
2
3 import com.google.gson.annotations.SerializedName;
4
5 public class Login {
6      @SerializedName("username")
7      private String username;
8      @SerializedName("password")
9      private String password;
10     @SerializedName("id_dosen")
11     private String idDosen;
12     @SerializedName("nama_dosen")
13     private String namaDosen;
14     @SerializedName("foto_dosen")
```

```java
15      private String fotoDosen;
16 //      @SerializedName("id_intern")
17 //      private String idIntern;
18      @SerializedName("nama_prodi")
19      private String namaProdi;
20      @SerializedName("kontak_dosen")
21      private String kontakDosen;
22
23      public Login(String username, String password, String idDosen,
        String namaDosen, String fotoDosen, String namaProdi, String
        kontakDosen) {
24          this.username = username;
25          this.password = password;
26          this.idDosen = idDosen;
27          this.namaDosen = namaDosen;
28          this.fotoDosen = fotoDosen;
29          this.namaProdi = namaProdi;
30          this.kontakDosen = kontakDosen;
31      }
32
33      public String getUsername() {
34          return username;
35      }
36
37      public String getPassword() {
38          return password;
39      }
40
41      public String getIdDosen() {
42          return idDosen;
43      }
44
45      public String getNamaDosen() {
46          return namaDosen;
47      }
48
49      public String getFotoDosen() {
50          return fotoDosen;
51      }
52
53      public String getNamaProdi() {
54          return namaProdi;
55      }
56
57      public String getKontakDosen() {
58          return kontakDosen;
59      }
60
61      public void setUsername(String username) {
62          this.username = username;
63      }
64
65      public void setPassword(String password) {
66          this.password = password;
67      }
68
```

```
69      public void setIdDosen(String idDosen) {
70          this.idDosen = idDosen;
71      }
72
73      public void setNamaDosen(String namaDosen) {
74          this.namaDosen = namaDosen;
75      }
76
77      public void setFotoDosen(String fotoDosen) {
78          this.fotoDosen = fotoDosen;
79      }
80
81      public void setNamaProdi(String namaProdi) {
82          this.namaProdi = namaProdi;
83      }
84
85      public void setKontakDosen(String kontakDosen) {
86          this.kontakDosen = kontakDosen;
87      }
88 }
```

Setelah itu, kita buat file model Mahasiswa.java di package model. Kemudian tambahkan script berikut di file tersebut.

```
1  package com.divakrishnam.actspotpembimbinginternal.model;
2
3  import android.os.Parcel;
4  import android.os.Parcelable;
5
6  import com.google.gson.annotations.SerializedName;
7
8  public class Mahasiswa implements Parcelable {
9      @SerializedName("id_intern")
10     private String idIntern;
11     @SerializedName("id_mahasiswa")
12     private String idMahasiswa;
13     @SerializedName("nama_perusahaan")
14     private String namaPerusahaan;
15     @SerializedName("nama_mahasiswa")
16     private String namaMahasiswa;
17     @SerializedName("foto_mahasiswa")
18     private String fotoMahasiswa;
19     @SerializedName("angkatan_mahasiswa")
20     private String angkatanMahasiswa;
21     @SerializedName("foto_perusahaan")
22     private String fotoPerusahaan;
23     @SerializedName("kelas_mahasiswa")
24     private String kelasMahasiswa;
25     @SerializedName("nama_prodi")
26     private String namaProdi;
27     @SerializedName("nama_pembimbing")
28     private String namaPembimbing;
29     @SerializedName("latitude_perusahaan")
30     private String latitudePerusahaan;
31     @SerializedName("longitude_perusahaan")
32     private String longitudePerusahaan;
33     @SerializedName("presentase_internship")
```

```
34        private String presentaseInternship;
35
36        public Mahasiswa(String idIntern, String idMahasiswa, String
          namaPerusahaan, String namaMahasiswa, String fotoMahasiswa,
          String angkatanMahasiswa, String fotoPerusahaan, String
          kelasMahasiswa, String namaProdi, String namaPembimbing, String
          latitudePerusahaan, String longitudePerusahaan, String
          presentaseInternship) {
37            this.idIntern = idIntern;
38            this.idMahasiswa = idMahasiswa;
39            this.namaPerusahaan = namaPerusahaan;
40            this.namaMahasiswa = namaMahasiswa;
41            this.fotoMahasiswa = fotoMahasiswa;
42            this.angkatanMahasiswa = angkatanMahasiswa;
43            this.fotoPerusahaan = fotoPerusahaan;
44            this.kelasMahasiswa = kelasMahasiswa;
45            this.namaProdi = namaProdi;
46            this.namaPembimbing = namaPembimbing;
47            this.latitudePerusahaan = latitudePerusahaan;
48            this.longitudePerusahaan = longitudePerusahaan;
49            this.presentaseInternship = presentaseInternship;
50        }
51
52        public String getIdMahasiswa() {
53            return idMahasiswa;
54        }
55
56        public String getNamaPerusahaan() {
57            return namaPerusahaan;
58        }
59
60        public String getNamaMahasiswa() {
61            return namaMahasiswa;
62        }
63
64        public String getFotoMahasiswa() {
65            return fotoMahasiswa;
66        }
67
68        public String getAngkatanMahasiswa() {
69            return angkatanMahasiswa;
70        }
71
72        public String getFotoPerusahaan() {
73            return fotoPerusahaan;
74        }
75
76        public String getKelasMahasiswa() {
77            return kelasMahasiswa;
78        }
79
80        public String getNamaProdi() {
81            return namaProdi;
82        }
83
84        public String getNamaPembimbing() {
```

```java
85              return namaPembimbing;
86          }
87
88          public String getLatitudePerusahaan() {
89              return latitudePerusahaan;
90          }
91
92          public String getLongitudePerusahaan() {
93              return longitudePerusahaan;
94          }
95
96          public String getIdIntern() {
97              return idIntern;
98          }
99
100         public String getPresentaseInternship() {
101             return presentaseInternship;
102         }
103
104         @Override
105         public int describeContents() {
106             return 0;
107         }
108
109         @Override
110         public void writeToParcel(Parcel dest, int flags) {
111             dest.writeString(this.idIntern);
112             dest.writeString(this.idMahasiswa);
113             dest.writeString(this.namaPerusahaan);
114             dest.writeString(this.namaMahasiswa);
115             dest.writeString(this.fotoMahasiswa);
116             dest.writeString(this.angkatanMahasiswa);
117             dest.writeString(this.fotoPerusahaan);
118             dest.writeString(this.kelasMahasiswa);
119             dest.writeString(this.namaProdi);
120             dest.writeString(this.namaPembimbing);
121             dest.writeString(this.latitudePerusahaan);
122             dest.writeString(this.longitudePerusahaan);
123         }
124
125         protected Mahasiswa(Parcel in) {
126             this.idIntern = in.readString();
127             this.idMahasiswa = in.readString();
128             this.namaPerusahaan = in.readString();
129             this.namaMahasiswa = in.readString();
130             this.fotoMahasiswa = in.readString();
131             this.angkatanMahasiswa = in.readString();
132             this.fotoPerusahaan = in.readString();
133             this.kelasMahasiswa = in.readString();
134             this.namaProdi = in.readString();
135             this.namaPembimbing = in.readString();
136             this.latitudePerusahaan = in.readString();
137             this.longitudePerusahaan = in.readString();
138         }
139
```

```
140     public static final Creator<Mahasiswa> CREATOR = new Creator<
        Mahasiswa>() {
141         @Override
142         public Mahasiswa createFromParcel(Parcel source) {
143             return new Mahasiswa(source);
144         }
145
146         @Override
147         public Mahasiswa[] newArray(int size) {
148             return new Mahasiswa[size];
149         }
150     };
151 }
```

Selanjutnya kita buat file model Notification.java di package model. Kemudian tambahkan script berikut di file tersebut.

```
1 package com.divakrishnam.actspotpembimbinginternal.model;
2
3 import com.google.gson.annotations.SerializedName;
4
5 public class Notification {
6     @SerializedName("id_intern")
7     private String idIntern;
8     @SerializedName("pesan")
9     private String pesan;
10    @SerializedName("tgl_waktu")
11    private String tglWaktu;
12
13    public Notification(String idIntern, String pesan, String
       tglWaktu) {
14        this.idIntern = idIntern;
15        this.pesan = pesan;
16        this.tglWaktu = tglWaktu;
17    }
18
19    public String getIdIntern() {
20        return idIntern;
21    }
22
23    public String getPesan() {
24        return pesan;
25    }
26
27    public String getTglWaktu() {
28        return tglWaktu;
29    }
30 }
```

Setelah itu, kita buat file model Progress.java di package model. Kemudian tambahkan script berikut di file tersebut.

```
1 package com.divakrishnam.actspotpembimbinginternal.model;
2
3 import com.google.gson.annotations.SerializedName;
4
5 public class Progress {
```

```java
6        @SerializedName("sort")
7        private String sort;
8        @SerializedName("persen")
9        private String persen;
10       @SerializedName("tgl_waktu")
11       private String tglWaktu;
12       @SerializedName("id_mahasiswa")
13       private String idMahasiswa;
14       @SerializedName("id_intern")
15       private String idIntern;
16
17       public Progress(String sort, String persen, String tglWaktu,
         String idMahasiswa, String idIntern) {
18           this.sort = sort;
19           this.persen = persen;
20           this.tglWaktu = tglWaktu;
21           this.idMahasiswa = idMahasiswa;
22           this.idIntern = idIntern;
23       }
24
25       public String getSort() {
26           return sort;
27       }
28
29       public String getPersen() {
30           return persen;
31       }
32
33       public String getTglWaktu() {
34           return tglWaktu;
35       }
36
37       public String getIdMahasiswa() {
38           return idMahasiswa;
39       }
40
41       public String getIdIntern() {
42           return idIntern;
43       }
44 }
```

Selanjutnya kita buat file model ProgressPerDay.java di package model. Kemudian tambahkan script berikut di file tersebut.

```java
1  package com.divakrishnam.actspotpembimbinginternal.model;
2
3  import com.google.gson.annotations.SerializedName;
4
5  public class ProgressPerDay {
6        @SerializedName("id_absensi")
7        private String idAbsensi;
8        @SerializedName("tgl_waktu")
9        private String tglWaktu;
10       @SerializedName("kegiatan")
11       private String kegiatan;
12       @SerializedName("foto_absensi")
13       private String fotoAbsensi;
```

```
14      @SerializedName("pergeseran")
15      private String pergeseran;
16
17      public ProgressPerDay(String idAbsensi, String tglWaktu, String
        kegiatan, String fotoAbsensi, String pergeseran) {
18          this.idAbsensi = idAbsensi;
19          this.tglWaktu = tglWaktu;
20          this.kegiatan = kegiatan;
21          this.fotoAbsensi = fotoAbsensi;
22          this.pergeseran = pergeseran;
23      }
24
25      public String getIdAbsensi() {
26          return idAbsensi;
27      }
28
29      public String getTglWaktu() {
30          return tglWaktu;
31      }
32
33      public String getKegiatan() {
34          return kegiatan;
35      }
36
37      public String getFotoAbsensi() {
38          return fotoAbsensi;
39      }
40
41      public String getPergeseran() {
42          return pergeseran;
43      }
44 }
```

Setelah itu, kita buat file model ResponseInfo.java di package model. Kemudian tambahkan script berikut di file tersebut.

```
1 package com.divakrishnam.actspotpembimbinginternal.model;
2
3 import com.google.gson.annotations.SerializedName;
4
5 public class ResponseInfo {
6      @SerializedName("status")
7      private String status;
8      @SerializedName("message")
9      private String message;
10
11     public ResponseInfo(String status, String message) {
12         this.status = status;
13         this.message = message;
14     }
15
16     public String getStatus() {
17         return status;
18     }
19
20     public String getMessage() {
21         return message;
```

```
22          }
23   }
```

Selanjutnya kita buat file model ResponseLogin.java di package model. Kemudian tambahkan script berikut di file tersebut.

```
1  package com.divakrishnam.actspotpembimbinginternal.model;
2
3  import com.google.gson.annotations.SerializedName;
4
5  public class ResponseLogin {
6      @SerializedName("status")
7      private String status;
8      @SerializedName("message")
9      private String message;
10     @SerializedName("data")
11     private Login data;
12
13     public ResponseLogin(String status, String message, Login data) {
14         this.status = status;
15         this.message = message;
16         this.data = data;
17     }
18
19     public String getStatus() {
20         return status;
21     }
22
23     public String getMessage() {
24         return message;
25     }
26
27     public Login getData() {
28         return data;
29     }
30 }
```

Setelah itu, kita buat file model ResponseNotification.java di package model. Kemudian tambahkan script berikut di file tersebut.

```
1  package com.divakrishnam.actspotpembimbinginternal.model;
2
3  import com.google.gson.annotations.SerializedName;
4
5  import java.util.List;
6
7  public class ResponseNotification {
8      @SerializedName("status")
9      private String status;
10     @SerializedName("message")
11     private String message;
12     @SerializedName("data")
13     private List<Notification> data;
14
15     public ResponseNotification(String status, String message, List<
       Notification> data) {
16         this.status = status;
```

```
17         this.message = message;
18         this.data = data;
19     }
20
21     public String getStatus() {
22         return status;
23     }
24
25     public String getMessage() {
26         return message;
27     }
28
29     public List<Notification> getData() {
30         return data;
31     }
32 }
```

Selanjutnya kita buat file model ResponseProgress.java di package model. Kemudian tambahkan script berikut di file tersebut.

```
1 package com.divakrishnam.actspotpembimbinginternal.model;
2
3 import com.google.gson.annotations.SerializedName;
4
5 import java.util.List;
6
7 public class ResponseProgress {
8     @SerializedName("status")
9     private String status;
10    @SerializedName("message")
11    private String message;
12    @SerializedName("data")
13    private List<Progress> data;
14
15    public ResponseProgress(String status, String message, List<
       Progress> data) {
16        this.status = status;
17        this.message = message;
18        this.data = data;
19    }
20
21    public String getStatus() {
22        return status;
23    }
24
25    public String getMessage() {
26        return message;
27    }
28
29    public List<Progress> getData() {
30        return data;
31    }
32 }
```

Setelah itu, kita buat file model ResponseProgressPerDay.java di package model. Kemudian tambahkan script berikut di file tersebut.

```java
package com.divakrishnam.actspotpembimbinginternal.model;

import com.google.gson.annotations.SerializedName;

import java.util.List;

public class ResponseProgressPerDay {
    @SerializedName("status")
    private String status;
    @SerializedName("message")
    private String message;
    @SerializedName("data")
    private List<ProgressPerDay> data;

    public ResponseProgressPerDay(String status, String message, List
    <ProgressPerDay> data) {
        this.status = status;
        this.message = message;
        this.data = data;
    }

    public String getStatus() {
        return status;
    }

    public String getMessage() {
        return message;
    }

    public List<ProgressPerDay> getData() {
        return data;
    }
}
```

Selanjutnya kita buat file SharedPrefManager.java di package util. Kemudian tambahkan script berikut di file tersebut.

```java
package com.divakrishnam.actspotpembimbinginternal.util;

import android.content.Context;
import android.content.SharedPreferences;

import com.divakrishnam.actspotpembimbinginternal.model.Login;

public class SharedPrefManager {

    private SharedPreferences pref;
    private SharedPreferences.Editor editor;
    private static SharedPrefManager mInstance;
    private static Context mContext;

    private static final String SHARED_PREF_NAME = "
    actspotpembimbinginternal";

    private static final String KEY_USERNAME = "keyusername";
    private static final String KEY_PASSWORD = "keypassword";
    private static final String KEY_IDDOSEN = "keyidosen";
```

```
20      private static final String KEY_NAMADOSEN = "keynamadosen";
21      private static final String KEY_FOTODOSEN = "keyfotodosen";
22      private static final String KEY_IDINTERN = "keyidintern";
23      private static final String KEY_NAMAPRODI = "keynamaprodi";
24      private static final String KEY_KONTAKDOSEN = "keykontakdosen";
25
26      private static final String KEY_SORT = "keysort";
27
28      private SharedPrefManager(Context context){
29          mContext = context;
30          pref = context.getSharedPreferences(SHARED_PREF_NAME, Context
    .MODE_PRIVATE);
31          editor = pref.edit();
32      }
33
34      public static synchronized SharedPrefManager getInstance(Context
    context) {
35          if (mInstance == null) {
36              mInstance = new SharedPrefManager(context);
37          }
38          return mInstance;
39      }
40
41      public void dosenLogin(Login login){
42          editor.putString(KEY_USERNAME, login.getUsername());
43          editor.putString(KEY_PASSWORD, login.getPassword());
44          editor.putString(KEY_IDDOSEN, login.getIdDosen());
45          editor.putString(KEY_NAMADOSEN, login.getNamaDosen());
46          editor.putString(KEY_FOTODOSEN, login.getFotoDosen());
47          editor.putString(KEY_NAMAPRODI, login.getNamaProdi());
48          editor.putString(KEY_KONTAKDOSEN, login.getKontakDosen());
49          editor.apply();
50      }
51
52      public boolean isLoggedIn(){
53          return pref.getString(KEY_IDDOSEN, null) != null;
54      }
55
56      public Login getDosen(){
57          return new Login(
58                  pref.getString(KEY_USERNAME, null),
59                  pref.getString(KEY_PASSWORD, null),
60                  pref.getString(KEY_IDDOSEN, null),
61                  pref.getString(KEY_NAMADOSEN, null),
62                  pref.getString(KEY_FOTODOSEN, null),
63                  // pref.getString(KEY_IDINTERN, null),
64                  pref.getString(KEY_NAMAPRODI, null),
65                  pref.getString(KEY_KONTAKDOSEN, null)
66          );
67      }
68
69      public void setSort(String sort){
70          editor.putString(KEY_SORT, sort);
71          editor.apply();
72      }
73
```

```
74      public String getSort(){
75          return pref.getString(KEY_SORT, null);
76      }
77
78      public void logout(){
79          editor.clear();
80          editor.apply();
81      }
82  }
```

Setelah itu, kita buat file Urls.java di package util. Kemudian tambahkan script berikut di file tersebut.

```
1  package com.divakrishnam.actspotpembimbinginternal.util;
2
3  public class Urls {
4      public static final String API_URL = "http://actspot.
         himatifpolpos.my.id/";
5      public static final String IMAGE_URL = "http://actspot.
         himatifpolpos.my.id/images/";
6  }
```

Selanjutnya kita buat file APIClient.java di package api. Kemudian tambahkan script berikut di file tersebut.

```
1  package com.divakrishnam.actspotpembimbinginternal.api;
2
3  import com.divakrishnam.actspotpembimbinginternal.util.Urls;
4
5  import retrofit2.Retrofit;
6  import retrofit2.converter.gson.GsonConverterFactory;
7
8  public class APIClient {
9      private static Retrofit retrofit = null;
10
11     public static Retrofit getClient() {
12         if (retrofit==null) {
13             retrofit = new Retrofit.Builder()
14                     .baseUrl(Urls.API_URL)
15                     .addConverterFactory(GsonConverterFactory.create
         ())
16                     .build();
17         }
18         return retrofit;
19     }
20  }
```

Setelah itu, kita buat file APIService.java di package api. Kemudian tambahkan script berikut di file tersebut.

```
1  package com.divakrishnam.actspotpembimbinginternal.api;
2
3  import com.divakrishnam.actspotpembimbinginternal.model.ResponseInfo;
4  import com.divakrishnam.actspotpembimbinginternal.model.ResponseLogin
        ;
5  import com.divakrishnam.actspotpembimbinginternal.model.
        ResponseMahasiswa;
```

```java
6  import com.divakrishnam.actspotpembimbinginternal.model.
        ResponseNotification;
7  import com.divakrishnam.actspotpembimbinginternal.model.
        ResponseProgress;
8  import com.divakrishnam.actspotpembimbinginternal.model.
        ResponseProgressPerDay;

10 import okhttp3.MultipartBody;
11 import okhttp3.RequestBody;
12 import retrofit2.Call;
13 import retrofit2.http.Field;
14 import retrofit2.http.FormUrlEncoded;
15 import retrofit2.http.Multipart;
16 import retrofit2.http.POST;
17 import retrofit2.http.Part;

19 public interface APIService {
20     @FormUrlEncoded
21     @POST("dosen/dosen_login.php")
22     Call<ResponseLogin> dosenLogin(
23             @Field("username") String username,
24             @Field("password") String password
25     );

27     @FormUrlEncoded
28     @POST("dosen/dosen_mahasiswa.php")
29     Call<ResponseMahasiswa> dosenMahasiswa(
30             @Field("id_dosen") String id_dosen
31     );

33     @FormUrlEncoded
34     @POST("dosen/dosen_progress.php")
35     Call<ResponseProgress> progressMahasiswa(
36             @Field("id_intern") String idIntern,
37             @Field("id_mahasiswa") String idMahasiswa,
38             @Field("sort") String sort
39     );

41     @FormUrlEncoded
42     @POST("dosen/dosen_progress_harian.php")
43     Call<ResponseProgressPerDay> progressPerDayMahasiswa(
44             @Field("id_intern") String idIntern,
45             @Field("id_mahasiswa") String idMahasiswa,
46             @Field("tgl") String tgl
47     );

49     @FormUrlEncoded
50     @POST("dosen/dosen_notifikasi.php")
51     Call<ResponseNotification> dosenNotifikasi(
52             @Field("id_dosen") String id_dosen
53     );

55     //Ubah

57     @FormUrlEncoded
58     @POST("dosen/dosen_ubah.php")
```

```
59      Call<ResponseInfo> dosenUbahUsername(
60              @Field("id_dosen") String id_dosen,
61              @Field("username") String username
62      );
63
64      @FormUrlEncoded
65      @POST("dosen/dosen_ubah.php")
66      Call<ResponseInfo> dosenUbahPassword(
67              @Field("id_dosen") String id_dosen,
68              @Field("password") String password
69      );
70
71      @FormUrlEncoded
72      @POST("dosen/dosen_ubah.php")
73      Call<ResponseInfo> dosenUbahNama(
74              @Field("id_dosen") String id_dosen,
75              @Field("nama") String nama
76      );
77
78      @FormUrlEncoded
79      @POST("dosen/dosen_ubah.php")
80      Call<ResponseInfo> dosenUbahKontak(
81              @Field("id_dosen") String id_dosen,
82              @Field("kontak") String kontak
83      );
84
85      @Multipart
86      @POST("dosen/dosen_ubah.php")
87      Call<ResponseInfo> dosenUbahFoto(
88              @Part("id_dosen") RequestBody id_dosen,
89              @Part MultipartBody.Part foto
90      );
91 }
```

Selanjutnya kita buat file custom_edittext.xml di package drawable. Kemudian tambahkan script berikut di file tersebut.

```
1  <?xml version="1.0" encoding="utf-8"?>
2  <shape xmlns:android="http://schemas.android.com/apk/res/android"
3      android:shape="rectangle">
4
5      <solid android:color="#FFFFFF" />
6
7      <stroke
8          android:width="1dp"
9          android:color="#c0c0c0" />
10 </shape>
```

Setelah itu, kita buat file state_bottom_navigation.xml di package drawable. Kemudian tambahkan script berikut di file tersebut.

```
1  <?xml version="1.0" encoding="utf-8"?>
2  <selector xmlns:android="http://schemas.android.com/apk/res/android">
3      <item android:color="@color/colorPrimaryDark"
4      android:state_checked="true"/>
4      <item android:color="@android:color/darker_gray"/>
5  </selector>
```

Selanjutnya kita buat file menu_bottom_nav.xml di package menu. Kemudian tambahkan script berikut di file tersebut.

```xml
<?xml version="1.0" encoding="utf-8"?>
<menu xmlns:android="http://schemas.android.com/apk/res/android">
    <item
        android:id="@+id/menu_mahasiswa"
        android:title="Mahasiswa"
        android:icon="@drawable/ic_group_white"/>

    <item
        android:id="@+id/menu_notification"
        android:title="Notifikasi"
        android:icon="@drawable/ic_notifications_white"/>

    <item
        android:id="@+id/menu_profile"
        android:title="Profil"
        android:icon="@drawable/ic_person_white"/>
</menu>
```

Setelah itu, kita buat file menu_progress.xml di package menu. Kemudian tambahkan script berikut di file tersebut.

```xml
<?xml version="1.0" encoding="utf-8"?>
<menu xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto">

    <item android:id="@+id/menu_sort_progress"
        android:title="Sort Progress"
        app:showAsAction="never"/>

</menu>
```

Selanjutnya kita buat file activity_detail_progress.xml di package layout. Kemudian tambahkan script berikut di file tersebut.

```xml
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".activity.DetailProgressActivity">

    <ProgressBar
        android:id="@+id/pb_progress"
        style="?android:attr/progressBarStyle"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_centerHorizontal="true"
        android:layout_centerVertical="true"
        android:maxWidth="30dp"
        android:maxHeight="30dp"
        android:minWidth="30dp"
        android:minHeight="30dp"
        android:visibility="gone" />

```

```
20      <TextView
21          android:id="@+id/tv_error"
22          android:layout_width="wrap_content"
23          android:layout_height="wrap_content"
24          android:layout_centerHorizontal="true"
25          android:layout_centerVertical="true"
26          android:text="Gagal memuat data"
27          android:visibility="gone"/>
28
29      <ScrollView
30          android:layout_width="match_parent"
31          android:layout_height="wrap_content"
32          android:layout_centerHorizontal="true">
33
34          <LinearLayout
35              android:layout_width="match_parent"
36              android:layout_height="wrap_content"
37              android:orientation="vertical"
38              android:paddingBottom="60dp">
39
40              <androidx.recyclerview.widget.RecyclerView
41                  android:id="@+id/rv_progress"
42                  android:layout_width="match_parent"
43                  android:layout_height="match_parent"
44                  android:scrollbars="vertical" />
45
46          </LinearLayout>
47
48      </ScrollView>
49
50  </RelativeLayout>
```

Setelah itu, kita buat file DetailProgressActivity.java di package activity. Kemudian tambahkan script berikut di file tersebut.

```
1  package com.divakrishnam.actspotpembimbinginternal.activity;
2
3  import androidx.appcompat.app.AppCompatActivity;
4  import androidx.recyclerview.widget.LinearLayoutManager;
5  import androidx.recyclerview.widget.RecyclerView;
6
7  import android.os.Bundle;
8  import android.util.Log;
9  import android.view.View;
10 import android.widget.ProgressBar;
11 import android.widget.TextView;
12
13 import com.divakrishnam.actspotpembimbinginternal.R;
14 import com.divakrishnam.actspotpembimbinginternal.adapter.
       DetailProgressAdapter;
15 import com.divakrishnam.actspotpembimbinginternal.api.APIClient;
16 import com.divakrishnam.actspotpembimbinginternal.api.APIService;
17 import com.divakrishnam.actspotpembimbinginternal.model.
       ResponseProgressPerDay;
18 import com.divakrishnam.actspotpembimbinginternal.util.
       SharedPrefManager;
19
```

```java
20  import retrofit2.Call;
21  import retrofit2.Callback;
22  import retrofit2.Response;
23
24  public class DetailProgressActivity extends AppCompatActivity {
25
26
27      public static final String EXTRA_DAY = "extra_day";
28      public static final String EXTRA_ID = "extra_id";
29      public static final String EXTRA_INTERN = "extra_intern";
30
31      private RecyclerView rvProgress;
32
33      private APIService mApiInterface;
34      private SharedPrefManager pref;
35
36      private ProgressBar pbProgress;
37      private TextView tvError;
38
39      private String tglWaktu, idMahasiswa, idIntern;
40
41      @Override
42      protected void onCreate(Bundle savedInstanceState) {
43          super.onCreate(savedInstanceState);
44          setContentView(R.layout.activity_detail_progress);
45
46          getSupportActionBar().setTitle("Detail Progress");
47
48          pbProgress = findViewById(R.id.pb_progress);
49          rvProgress = findViewById(R.id.rv_progress);
50          tvError = findViewById(R.id.tv_error);
51
52          pref = SharedPrefManager.getInstance(getApplicationContext())
    ;
53          mApiInterface = APIClient.getClient().create(APIService.class
    );
54
55          tglWaktu = getIntent().getStringExtra(EXTRA_DAY);
56          idMahasiswa = getIntent().getStringExtra(EXTRA_ID);
57          idIntern = getIntent().getStringExtra(EXTRA_INTERN);
58
59          showDetailProgress();
60      }
61
62      private void showDetailProgress() {
63          showLoading(true);
64
65          rvProgress.setLayoutManager(new LinearLayoutManager(
    getApplicationContext()));
66
67          Log.d("lali", idIntern+idMahasiswa+tglWaktu);
68
69          Call<ResponseProgressPerDay> call = mApiInterface.
    progressPerDayMahasiswa(idIntern, idMahasiswa, tglWaktu);
70          call.enqueue(new Callback<ResponseProgressPerDay>() {
71              @Override
```

```
72              public void onResponse(Call<ResponseProgressPerDay> call,
        Response<ResponseProgressPerDay> response) {
73                  showLoading(false);
74                  if (response.body().getStatus().equals("200")) {
75                      DetailProgressAdapter detailProgressAdapter = new
        DetailProgressAdapter(getApplicationContext(), response.body().
        getData());
76                      rvProgress.setAdapter(detailProgressAdapter);
77                  } else {
78                      showMessage(true, response.body().getMessage());
79                  }
80              }
81
82              @Override
83              public void onFailure(Call<ResponseProgressPerDay> call,
        Throwable t) {
84                  showLoading(false);
85                  showMessage(true, t.getMessage());
86              }
87          });
88      }
89
90      private void showLoading(Boolean state) {
91          if (state) {
92              pbProgress.setVisibility(View.VISIBLE);
93          } else {
94              pbProgress.setVisibility(View.GONE);
95          }
96      }
97
98      private void showMessage(Boolean state, String message) {
99          if (state) {
100              tvError.setText(message);
101              tvError.setVisibility(View.VISIBLE);
102          } else {
103              tvError.setVisibility(View.GONE);
104          }
105      }
106 }
```

Selanjutnya kita buat file activity_login.xml di package layout. Kemudian tambahkan script berikut di file tersebut.

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <LinearLayout xmlns:android="http://schemas.android.com/apk/res/
      android"
3      xmlns:tools="http://schemas.android.com/tools"
4      android:layout_width="match_parent"
5      android:layout_height="match_parent"
6      android:orientation="vertical"
7      android:layout_marginHorizontal="12dp"
8      tools:context=".activity.LoginActivity">
9
10     <TextView
11          android:layout_width="match_parent"
12          android:layout_height="wrap_content"
13          android:text="Username"
```

```
14              android:layout_marginTop="10dp"/>
15
16      <EditText
17          android:id="@+id/et_username"
18          android:layout_width="match_parent"
19          android:layout_height="wrap_content"
20          android:layout_marginVertical="8dp"
21          android:paddingHorizontal="10dp"
22          android:paddingVertical="10dp"
23          android:background="@drawable/custom_edittext"/>
24
25      <TextView
26          android:layout_width="match_parent"
27          android:layout_height="wrap_content"
28          android:text="Password"
29          android:layout_marginTop="10dp"/>
30
31      <EditText
32          android:id="@+id/et_password"
33          android:layout_width="match_parent"
34          android:layout_height="wrap_content"
35          android:layout_marginVertical="8dp"
36          android:paddingHorizontal="10dp"
37          android:paddingVertical="10dp"
38          android:inputType="textPassword"
39          android:background="@drawable/custom_edittext"/>
40
41      <Button
42          android:id="@+id/btn_login"
43          android:layout_width="match_parent"
44          android:layout_height="wrap_content"
45          android:text="Login"
46          android:layout_marginVertical="12dp"
47          android:textColor="@android:color/white"
48          android:background="@color/colorPrimaryDark"/>
49
50  </LinearLayout>
```

Setelah itu, kita buat file LoginActivity.java di package activity. Kemudian tambahkan script berikut di file tersebut.

```
1  package com.divakrishnam.actspotpembimbinginternal.activity;
2
3  import androidx.appcompat.app.AppCompatActivity;
4
5  import android.app.ProgressDialog;
6  import android.content.Intent;
7  import android.os.Bundle;
8  import android.view.View;
9  import android.widget.Button;
10 import android.widget.EditText;
11 import android.widget.Toast;
12
13 import com.divakrishnam.actspotpembimbinginternal.R;
14 import com.divakrishnam.actspotpembimbinginternal.api.APIClient;
15 import com.divakrishnam.actspotpembimbinginternal.api.APIService;
```

```java
16  import com.divakrishnam.actspotpembimbinginternal.model.ResponseLogin
        ;
17  import com.divakrishnam.actspotpembimbinginternal.util.
        SharedPrefManager;
18
19  import retrofit2.Call;
20  import retrofit2.Callback;
21  import retrofit2.Response;
22
23  public class LoginActivity extends AppCompatActivity implements View.
        OnClickListener {
24
25      private EditText etUsername, etPassword;
26      private Button btnLogin;
27
28      private APIService mApiInterface;
29
30      @Override
31      protected void onCreate(Bundle savedInstanceState) {
32          super.onCreate(savedInstanceState);
33          setContentView(R.layout.activity_login);
34
35          getSupportActionBar().setTitle("Login");
36
37          etUsername = findViewById(R.id.et_username);
38          etPassword = findViewById(R.id.et_password);
39          btnLogin = findViewById(R.id.btn_login);
40          btnLogin.setOnClickListener(this);
41
42          mApiInterface = APIClient.getClient().create(APIService.class
        );
43      }
44
45      @Override
46      public void onClick(View view) {
47          if (view == btnLogin){
48              mahasiswaLogin();
49          }
50      }
51
52      private void mahasiswaLogin() {
53          final ProgressDialog progressDialog = new ProgressDialog(this
        );
54          progressDialog.setMessage("Log In...");
55          progressDialog.setCancelable(false);
56          progressDialog.show();
57
58
59          String username = etUsername.getText().toString();
60          String password = etPassword.getText().toString();
61
62          if (!username.isEmpty() && !password.isEmpty()){
63
64              Call<ResponseLogin> call = mApiInterface.dosenLogin(
        username, password);
65              call.enqueue(new Callback<ResponseLogin>() {
```

```
66                      @Override
67                      public void onResponse(Call<ResponseLogin> call,
       Response<ResponseLogin> response) {
68                          progressDialog.dismiss();
69                          Toast.makeText(getApplicationContext(), response.
       body().getMessage(), Toast.LENGTH_LONG).show();
70                          if(response.body().getStatus().equals("200")) {
71                              SharedPrefManager.getInstance(
       getApplicationContext()).dosenLogin(response.body().getData());
72                              finish();
73                              startActivity(new Intent(
       getApplicationContext(), MainActivity.class));
74                          }
75                      }
76
77                      @Override
78                      public void onFailure(Call<ResponseLogin> call,
       Throwable t) {
79                          progressDialog.dismiss();
80                          Toast.makeText(getApplicationContext(), "Error :
       "+t.getMessage(), Toast.LENGTH_LONG).show();
81                      }
82                  });
83              } else {
84                  progressDialog.dismiss();
85                  Toast.makeText(getApplicationContext(), "Field tidak
       boleh kosong", Toast.LENGTH_LONG).show();
86              }
87          }
88  }
```

Selanjutnya kita buat file activity_main.xml di package layout. Kemudian tambahkan script berikut di file tersebut.

```
1  <?xml version="1.0" encoding="utf-8"?>
2  <RelativeLayout xmlns:android="http://schemas.android.com/apk/res/
       android"
3      xmlns:app="http://schemas.android.com/apk/res-auto"
4      xmlns:tools="http://schemas.android.com/tools"
5      android:layout_width="match_parent"
6      android:layout_height="match_parent"
7      tools:context=".activity.MainActivity">
8
9      <FrameLayout
10         android:id="@+id/fl_container"
11         android:layout_width="match_parent"
12         android:layout_height="match_parent"
13         app:layout_behavior="@string/appbar_scrolling_view_behavior"
       />
14
15     <com.google.android.material.bottomnavigation.
       BottomNavigationView
16         android:id="@+id/bn_main"
17         android:layout_width="match_parent"
18         android:layout_height="wrap_content"
19         android:layout_alignParentBottom="true"
20         android:background="@android:color/white"
```

```
21              app:itemIconTint="@drawable/state_bottom_navigation"
22              app:itemTextColor="@drawable/state_bottom_navigation"
23              app:menu="@menu/menu_bottom_nav"
24              app:labelVisibilityMode="labeled"/>
25
26  </RelativeLayout>
```

Setelah itu, kita buat file MainActivity.java di package activity. Kemudian tambahkan script berikut di file tersebut.

```java
1  package com.divakrishnam.actspotpembimbinginternal.activity;
2
3  import androidx.annotation.NonNull;
4  import androidx.appcompat.app.AppCompatActivity;
5  import androidx.core.app.ActivityCompat;
6  import androidx.fragment.app.Fragment;
7
8  import android.content.Context;
9  import android.content.Intent;
10 import android.content.pm.PackageManager;
11 import android.os.Bundle;
12 import android.view.MenuItem;
13 import android.widget.Toast;
14
15 import com.divakrishnam.actspotpembimbinginternal.R;
16 import com.divakrishnam.actspotpembimbinginternal.fragment.
       MahasiswaFragment;
17 import com.divakrishnam.actspotpembimbinginternal.fragment.
       NotificationFragment;
18 import com.divakrishnam.actspotpembimbinginternal.fragment.
       ProfileFragment;
19 import com.divakrishnam.actspotpembimbinginternal.util.
       SharedPrefManager;
20 import com.google.android.material.bottomnavigation.
       BottomNavigationView;
21
22 public class MainActivity extends AppCompatActivity implements
       BottomNavigationView.OnNavigationItemSelectedListener{
23
24     private static final int PERMISSION_ALL = 100;
25
26     private String[] PERMISSIONS = {
27             android.Manifest.permission.ACCESS_FINE_LOCATION,
28             android.Manifest.permission.WRITE_EXTERNAL_STORAGE,
29             android.Manifest.permission.READ_PHONE_STATE,
30             android.Manifest.permission.CAMERA
31     };
32
33     @Override
34     protected void onCreate(Bundle savedInstanceState) {
35         super.onCreate(savedInstanceState);
36         setContentView(R.layout.activity_main);
37
38         if (!SharedPrefManager.getInstance(this).isLoggedIn()) {
39             finish();
40             startActivity(new Intent(getApplicationContext(),
       LoginActivity.class));
```

```
41              } else {
42                  if (!hasPermissions(this, PERMISSIONS)) {
43                      ActivityCompat.requestPermissions(this, PERMISSIONS,
    PERMISSION_ALL);
44                  }
45              }
46
47          loadFragment(new MahasiswaFragment());
48          BottomNavigationView bottomNavigationView = findViewById(R.id
    .bn_main);
49          bottomNavigationView.setOnNavigationItemSelectedListener(this
    );
50      }
51
52      private boolean loadFragment(Fragment fragment){
53          if (fragment != null) {
54              getSupportFragmentManager().beginTransaction()
55                      .replace(R.id.fl_container, fragment)
56                      .commit();
57              return true;
58          }
59          return false;
60      }
61
62      public void setActionBarTitle(String title) {
63          getSupportActionBar().setTitle(title);
64      }
65
66      @Override
67      public boolean onNavigationItemSelected(@NonNull MenuItem item) {
68          Fragment fragment = null;
69          switch (item.getItemId()){
70              case R.id.menu_mahasiswa:
71                  fragment = new MahasiswaFragment();
72                  break;
73              case R.id.menu_notification:
74                  fragment = new NotificationFragment();
75                  break;
76              case R.id.menu_profile:
77                  fragment = new ProfileFragment();
78                  break;
79          }
80          return loadFragment(fragment);
81      }
82
83      @Override
84      public void onRequestPermissionsResult(int requestCode, String[]
    permissions, int[] grantResults) {
85          super.onRequestPermissionsResult(requestCode, permissions,
    grantResults);
86
87          if (requestCode == PERMISSION_ALL && grantResults.length > 0)
     {
88              if (grantResults[0] == PackageManager.PERMISSION_GRANTED)
     {
```

```
89                      Toast.makeText(this, "Thanks for granting Permission"
         , Toast.LENGTH_SHORT).show();
90                  }
91              }
92          }
93
94          public static boolean hasPermissions(Context context, String...
         permissions) {
95              if (context != null && permissions != null) {
96                  for (String permission : permissions) {
97                      if (ActivityCompat.checkSelfPermission(context,
         permission) != PackageManager.PERMISSION_GRANTED) {
98                          return false;
99                      }
100                 }
101             }
102             return true;
103         }
104 }
```

Selanjutnya kita buat file activity_password.xml di package layout. Kemudian tambahkan script berikut di file tersebut.

```
1  <?xml version="1.0" encoding="utf-8"?>
2  <LinearLayout xmlns:android="http://schemas.android.com/apk/res/
       android"
3      xmlns:app="http://schemas.android.com/apk/res-auto"
4      xmlns:tools="http://schemas.android.com/tools"
5      android:layout_width="match_parent"
6      android:layout_height="match_parent"
7      android:orientation="vertical"
8      android:layout_marginHorizontal="12dp"
9      tools:context=".activity.PasswordActivity">
10
11
12     <TextView
13         android:layout_width="match_parent"
14         android:layout_height="wrap_content"
15         android:text="Sandi Lama"
16         android:layout_marginTop="10dp"/>
17
18     <EditText
19         android:id="@+id/et_oldpass"
20         android:layout_width="match_parent"
21         android:layout_height="wrap_content"
22         android:layout_marginVertical="8dp"
23         android:paddingHorizontal="10dp"
24         android:paddingVertical="10dp"
25         android:inputType="textPassword"
26         android:background="@drawable/custom_edittext"/>
27
28
29     <TextView
30         android:layout_width="match_parent"
31         android:layout_height="wrap_content"
32         android:text="Sandi Baru"
33         android:layout_marginTop="10dp"/>
```

```
34
35      <EditText
36          android:id="@+id/et_newpass"
37          android:layout_width="match_parent"
38          android:layout_height="wrap_content"
39          android:layout_marginVertical="8dp"
40          android:paddingHorizontal="10dp"
41          android:paddingVertical="10dp"
42          android:inputType="textPassword"
43          android:background="@drawable/custom_edittext"/>
44
45
46      <TextView
47          android:layout_width="match_parent"
48          android:layout_height="wrap_content"
49          android:text="Konfirmasi Sandi Baru"
50          android:layout_marginTop="10dp"/>
51
52      <EditText
53          android:id="@+id/et_cnewpass"
54          android:layout_width="match_parent"
55          android:layout_height="wrap_content"
56          android:layout_marginVertical="8dp"
57          android:paddingHorizontal="10dp"
58          android:paddingVertical="10dp"
59          android:inputType="textPassword"
60          android:background="@drawable/custom_edittext"/>
61
62      <Button
63          android:id="@+id/btn_savepass"
64          android:layout_width="match_parent"
65          android:layout_height="wrap_content"
66          android:text="Simpan"
67          android:layout_marginVertical="12dp"/>
68
69  </LinearLayout>
```

Setelah itu, kita buat file PasswordActivity.java di package activity. Kemudian tambahkan script berikut di file tersebut.

```
1   package com.divakrishnam.actspotpembimbinginternal.activity;
2
3   import androidx.appcompat.app.AppCompatActivity;
4
5   import android.app.ProgressDialog;
6   import android.os.Bundle;
7   import android.view.View;
8   import android.widget.Button;
9   import android.widget.EditText;
10  import android.widget.Toast;
11
12  import com.divakrishnam.actspotpembimbinginternal.R;
13  import com.divakrishnam.actspotpembimbinginternal.api.APIClient;
14  import com.divakrishnam.actspotpembimbinginternal.api.APIService;
15  import com.divakrishnam.actspotpembimbinginternal.model.ResponseInfo;
16  import com.divakrishnam.actspotpembimbinginternal.util.
        SharedPrefManager;
```

```java
17
18  import retrofit2.Call;
19  import retrofit2.Callback;
20  import retrofit2.Response;
21
22  public class PasswordActivity extends AppCompatActivity implements
        View.OnClickListener {
23
24      private EditText etOldPass, etNewPass, etCNewPass;
25      private Button btnSave;
26
27      private SharedPrefManager pref;
28      private APIService mApiInterface;
29
30      @Override
31      protected void onCreate(Bundle savedInstanceState) {
32          super.onCreate(savedInstanceState);
33          setContentView(R.layout.activity_password);
34
35          getSupportActionBar().setTitle("Change Password");
36
37          etOldPass = findViewById(R.id.et_oldpass);
38          etNewPass = findViewById(R.id.et_newpass);
39          etCNewPass = findViewById(R.id.et_cnewpass);
40          btnSave = findViewById(R.id.btn_savepass);
41
42          pref = SharedPrefManager.getInstance(getApplicationContext())
        ;
43          mApiInterface = APIClient.getClient().create(APIService.class
        );
44
45          btnSave.setOnClickListener(this);
46
47      }
48
49      @Override
50      public void onClick(View view) {
51          if (view == btnSave){
52              savePassword();
53          }
54      }
55
56      private void savePassword() {
57          final ProgressDialog progressDialog = new ProgressDialog(this
        );
58          progressDialog.setMessage("Menyimpan data...");
59          progressDialog.setCancelable(false);
60          progressDialog.show();
61
62          String oldPass = etOldPass.getText().toString();
63          String newPass = etNewPass.getText().toString();
64          String cNewPass = etCNewPass.getText().toString();
65          String idDosen = pref.getDosen().getIdDosen();
66
```

```
67          if (!oldPass.isEmpty() && !newPass.isEmpty() && !cNewPass.
      isEmpty() && oldPass.equals(pref.getDosen().getPassword()) &&
      newPass.equals(cNewPass)){
68
69              Call<ResponseInfo> call = mApiInterface.dosenUbahPassword
      (idDosen, newPass);
70              call.enqueue(new Callback<ResponseInfo>() {
71                  @Override
72                  public void onResponse(Call<ResponseInfo> call,
      Response<ResponseInfo> response) {
73                      progressDialog.dismiss();
74                      Toast.makeText(getApplicationContext(), response.
      body().getMessage(), Toast.LENGTH_LONG).show();
75                      if(response.body().getStatus().equals("200")) {
76                          finish();
77                      }
78                  }
79
80                  @Override
81                  public void onFailure(Call<ResponseInfo> call,
      Throwable t) {
82                      progressDialog.dismiss();
83                      Toast.makeText(getApplicationContext(), "Error :
      "+t.getMessage(), Toast.LENGTH_LONG).show();
84                  }
85              });
86          }else {
87              if (!oldPass.isEmpty() && !newPass.isEmpty() && !cNewPass
      .isEmpty()){
88                  if (oldPass.equals(pref.getDosen().getPassword())){
89                      Toast.makeText(getApplicationContext(), "Password
       baru tidak sama dengan password lama.", Toast.LENGTH_SHORT).show
      ();
90                  }else if (newPass.equals(cNewPass)){
91                      Toast.makeText(getApplicationContext(), "Password
       tidak sama", Toast.LENGTH_SHORT).show();
92                  }
93              }else{
94                  Toast.makeText(getApplicationContext(), "Field kosong
      ", Toast.LENGTH_SHORT).show();
95              }
96              progressDialog.dismiss();
97          }
98      }
99 }
```

Selanjutnya kita buat file activity_profile.xml di package layout. Kemudian tambahkan script berikut di file tersebut.

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <ScrollView xmlns:android="http://schemas.android.com/apk/res/android
      "
3      xmlns:app="http://schemas.android.com/apk/res-auto"
4      xmlns:tools="http://schemas.android.com/tools"
5      android:layout_width="match_parent"
6      android:layout_height="match_parent"
7      tools:context=".activity.ProfileActivity">
```

```
8
9       <LinearLayout
10          android:layout_width="match_parent"
11          android:layout_height="wrap_content"
12          android:orientation="vertical"
13          android:gravity="center_horizontal"
14          android:padding="12dp">
15
16          <androidx.constraintlayout.widget.ConstraintLayout
17              android:layout_width="match_parent"
18              android:layout_height="wrap_content">
19
20              <de.hdodenhof.circleimageview.CircleImageView
21                  android:id="@+id/img_profile"
22                  android:layout_width="180dp"
23                  android:layout_height="180dp"
24                  android:layout_margin="20dp"
25                  android:src="@drawable/profile"
26                  app:layout_constraintBottom_toBottomOf="parent"
27                  app:layout_constraintEnd_toEndOf="parent"
28                  app:layout_constraintStart_toStartOf="parent"
29                  app:layout_constraintTop_toTopOf="parent" />
30
31              <ImageView
32                  android:layout_width="30dp"
33                  android:layout_height="30dp"
34                  android:layout_alignEnd="@id/img_profile"
35                  android:layout_alignParentEnd="true"
36                  android:layout_marginBottom="16dp"
37                  android:background="@drawable/ic_add_circle_gray"
38                  app:layout_constraintBottom_toBottomOf="parent"
39                  app:layout_constraintEnd_toEndOf="parent"
40                  app:layout_constraintHorizontal_bias="0.655"
41                  app:layout_constraintStart_toStartOf="parent" />
42
43          </androidx.constraintlayout.widget.ConstraintLayout>
44
45          <TextView
46              android:layout_width="match_parent"
47              android:layout_height="wrap_content"
48              android:text="Nama"
49              android:layout_marginTop="8dp"/>
50
51          <LinearLayout
52              android:layout_width="match_parent"
53              android:layout_height="wrap_content"
54              android:orientation="horizontal"
55              android:layout_marginVertical="8dp">
56
57              <TextView
58                  android:id="@+id/tv_nama"
59                  android:layout_width="match_parent"
60                  android:layout_height="wrap_content"
61                  android:layout_weight="1"
62                  android:text="Kadek Diva Krishna Murti" />
63
```

```
64              <TextView
65                  android:id="@+id/tv_edit_nama"
66                  android:layout_width="match_parent"
67                  android:layout_height="wrap_content"
68                  android:layout_weight="9"
69                  android:text="Ubah"
70                  android:textColor="@android:color/darker_gray" />
71          </LinearLayout>
72
73
74
75          <TextView
76              android:layout_width="match_parent"
77              android:layout_height="wrap_content"
78              android:text="Kontak"
79              android:layout_marginTop="8dp"/>
80
81          <LinearLayout
82              android:layout_width="match_parent"
83              android:layout_height="wrap_content"
84              android:orientation="horizontal"
85              android:layout_marginVertical="8dp">
86
87              <TextView
88                  android:id="@+id/tv_kontak"
89                  android:layout_width="match_parent"
90                  android:layout_height="wrap_content"
91                  android:layout_weight="1"
92                  android:text="2017" />
93
94              <TextView
95                  android:id="@+id/tv_edit_kontak"
96                  android:layout_width="match_parent"
97                  android:layout_height="wrap_content"
98                  android:layout_weight="9"
99                  android:text="Ubah"
100                 android:textColor="@android:color/darker_gray" />
101         </LinearLayout>
102
103         <TextView
104             android:layout_width="match_parent"
105             android:layout_height="wrap_content"
106             android:text="Program  Studi"
107             android:layout_marginTop="8dp"/>
108
109         <LinearLayout
110             android:layout_width="match_parent"
111             android:layout_height="wrap_content"
112             android:orientation="horizontal"
113             android:layout_marginVertical="8dp">
114
115             <TextView
116                 android:id="@+id/tv_prodi"
117                 android:layout_width="match_parent"
118                 android:layout_height="wrap_content"
119                 android:layout_weight="1"
```

```
120                      android:text="D4 Teknik Informatika" />
121
122          </LinearLayout>
123
124
125
126          <TextView
127              android:layout_width="match_parent"
128              android:layout_height="wrap_content"
129              android:text="Username"
130              android:layout_marginTop="8dp"/>
131
132          <LinearLayout
133              android:layout_width="match_parent"
134              android:layout_height="wrap_content"
135              android:orientation="horizontal"
136              android:layout_marginVertical="8dp">
137
138              <TextView
139                  android:id="@+id/tv_username"
140                  android:layout_width="match_parent"
141                  android:layout_height="wrap_content"
142                  android:layout_weight="1"
143                  android:text="Politeknik Pos Indonesia" />
144
145              <TextView
146                  android:id="@+id/tv_edit_username"
147                  android:layout_width="match_parent"
148                  android:layout_height="wrap_content"
149                  android:layout_weight="9"
150                  android:text="Ubah"
151                  android:textColor="@android:color/darker_gray" />
152          </LinearLayout>
153
154      </LinearLayout>
155 </ScrollView>
```

Setelah itu, kita buat file ProfileActivity.java di package activity. Kemudian tambahkan script berikut di file tersebut.

```
1 package com.divakrishnam.actspotpembimbinginternal.activity;
2
3 import androidx.appcompat.app.AlertDialog;
4 import androidx.appcompat.app.AppCompatActivity;
5
6 import android.app.ProgressDialog;
7 import android.content.Intent;
8 import android.net.Uri;
9 import android.os.Bundle;
10 import android.view.View;
11 import android.widget.ImageView;
12 import android.widget.TextView;
13 import android.widget.Toast;
14
15 import com.bumptech.glide.Glide;
16 import com.divakrishnam.actspotpembimbinginternal.R;
17 import com.divakrishnam.actspotpembimbinginternal.api.APIClient;
```

```
18  import com.divakrishnam.actspotpembimbinginternal.api.APIService;
19  import com.divakrishnam.actspotpembimbinginternal.model.Login;
20  import com.divakrishnam.actspotpembimbinginternal.model.ResponseInfo;
21  import com.divakrishnam.actspotpembimbinginternal.util.
        SharedPrefManager;
22  import com.divakrishnam.actspotpembimbinginternal.util.Urls;
23  import com.theartofdev.edmodo.cropper.CropImage;
24  import com.theartofdev.edmodo.cropper.CropImageView;
25
26  import java.io.File;
27  import java.io.IOException;
28
29  import id.zelory.compressor.Compressor;
30  import okhttp3.MediaType;
31  import okhttp3.MultipartBody;
32  import okhttp3.RequestBody;
33  import pl.aprilapps.easyphotopicker.DefaultCallback;
34  import pl.aprilapps.easyphotopicker.EasyImage;
35  import retrofit2.Call;
36  import retrofit2.Callback;
37  import retrofit2.Response;
38
39  public class ProfileActivity extends AppCompatActivity implements
        View.OnClickListener {
40
41      private ImageView ivProfile;
42      private TextView tvNama, tvEditNama, tvKontak, tvEditKontak,
        tvProdi, tvUsername, tvEditUsername;
43
44      private SharedPrefManager pref;
45      private APIService mApiInterface;
46
47      private static final int REQUEST_IMAGE = 200;
48      private static final int REQUEST_PHOTO = 300;
49
50      @Override
51      protected void onCreate(Bundle savedInstanceState) {
52          super.onCreate(savedInstanceState);
53          setContentView(R.layout.activity_profile);
54
55          ivProfile = findViewById(R.id.img_profile);
56          tvNama = findViewById(R.id.tv_nama);
57          tvEditNama = findViewById(R.id.tv_edit_nama);
58          tvKontak = findViewById(R.id.tv_kontak);
59          tvEditKontak = findViewById(R.id.tv_edit_kontak);
60          tvProdi = findViewById(R.id.tv_prodi);
61          tvUsername = findViewById(R.id.tv_username);
62          tvEditUsername = findViewById(R.id.tv_edit_username);
63
64          pref = SharedPrefManager.getInstance(getApplicationContext())
        ;
65          mApiInterface = APIClient.getClient().create(APIService.class
        );
66
67          ivProfile.setOnClickListener(this);
68          tvEditUsername.setOnClickListener(this);
```

```
69              tvEditKontak.setOnClickListener(this);
70              tvEditNama.setOnClickListener(this);
71          }
72
73          @Override
74          protected void onResume() {
75              super.onResume();
76              Login dosen = pref.getDosen();
77
78              if (dosen != null){
79                  getSupportActionBar().setTitle(dosen.getNamaDosen());
80                  tvNama.setText(dosen.getNamaDosen());
81                  tvProdi.setText(dosen.getNamaProdi());
82                  tvUsername.setText(dosen.getUsername());
83                  tvKontak.setText(dosen.getKontakDosen());
84                  Glide.with(this).load(Urls.IMAGE_URL+"dosen/"+dosen.
        getFotoDosen()).error(R.drawable.profile).into(ivProfile);
85              }
86          }
87
88          @Override
89          public void onClick(View view) {
90              if (view == ivProfile){
91  menuDialog();
92              }else if (view == tvEditKontak){
93                  Intent text = new Intent(getApplicationContext(),
        TextActivity.class);
94                  text.putExtra(TextActivity.EXTRA_KONTAK, pref.getDosen().
        getKontakDosen());
95                  startActivity(text);
96              }else if (view == tvEditNama){
97                  Intent text = new Intent(getApplicationContext(),
        TextActivity.class);
98                  text.putExtra(TextActivity.EXTRA_NAMA, pref.getDosen().
        getNamaDosen());
99                  startActivity(text);
100             }else if (view == tvEditUsername){
101                 Intent text = new Intent(getApplicationContext(),
        TextActivity.class);
102                 text.putExtra(TextActivity.EXTRA_USER, pref.getDosen().
        getUsername());
103                 startActivity(text);
104             }
105         }
106
107         private void menuDialog(){
108             CharSequence[] menu = {"Camera", "Select Photo"};
109             AlertDialog.Builder dialog = new AlertDialog.Builder(this)
110                     //.setTitle("Pilih Aksi")
111                     .setItems(menu, (dialogInterface, i) -> {
112                         switch (i){
113                             case 0:
114                                 EasyImage.openCamera(this, REQUEST_IMAGE)
        ;
115                                 break;
116                             case 1:
```

```
117                              EasyImage.openChooserWithGallery(this,"
       Choose Picture",REQUEST_PHOTO);
118                              break;
119                          }
120                  });
121          dialog.create();
122          dialog.show();
123      }
124
125      @Override
126      public void onActivityResult(int requestCode, int resultCode,
       Intent data) {
127          super.onActivityResult(requestCode, resultCode, data);
128
129          EasyImage.handleActivityResult(requestCode, resultCode, data,
        this, new DefaultCallback() {
130              @Override
131              public void onImagePicked(File imageFile, EasyImage.
       ImageSource source, int type) {
132                  CropImage.activity(Uri.fromFile(imageFile))
133                          .setGuidelines(CropImageView.Guidelines.ON)
134                          .setCropShape(CropImageView.CropShape.OVAL)
135                          .setFixAspectRatio(true)
136                          .start(ProfileActivity.this);
137              }
138
139              @Override
140              public void onImagePickerError(Exception e, EasyImage.
       ImageSource source, int type) {
141                  super.onImagePickerError(e, source, type);
142                  Toast.makeText(ProfileActivity.this, e.getMessage(),
       Toast.LENGTH_SHORT).show();
143              }
144
145              @Override
146              public void onCanceled(EasyImage.ImageSource source, int
       type) {
147                  super.onCanceled(source, type);
148              }
149          });
150
151          if (requestCode == CropImage.CROP_IMAGE_ACTIVITY_REQUEST_CODE
       ) {
152              CropImage.ActivityResult result = CropImage.
       getActivityResult(data);
153              if (resultCode == RESULT_OK) {
154                  Uri resultUri = result.getUri();
155                  simpanFoto(resultUri);
156
157              } else if (resultCode == CropImage.
       CROP_IMAGE_ACTIVITY_RESULT_ERROR_CODE) {
158                  Exception error = result.getError();
159
160                  Toast.makeText(this, error.toString(), Toast.
       LENGTH_SHORT).show();
161              }
```

```
162                }
163            }
164
165        public void simpanFoto(Uri resultUri){
166            final ProgressDialog progressDialog = new ProgressDialog(this
       );
167            progressDialog.setMessage("Menyimpan data...");
168            progressDialog.setCancelable(false);
169            progressDialog.show();
170
171            File image = new File(resultUri.getPath());
172            File file = null;
173            try {
174                file = new Compressor(getApplicationContext()).
       compressToFile(image);
175            } catch (IOException e) {
176                e.printStackTrace();
177            }
178
179            String idDosen = pref.getDosen().getIdDosen();
180            String namaFile = file.getName();
181
182            if(!idDosen.isEmpty() && !namaFile.isEmpty()){
183                RequestBody mIdDosen = RequestBody.create(MediaType.parse
       ("text/plain"), idDosen);
184                RequestBody requestFile = RequestBody.create(MediaType.
       parse("multipart/form-data"), file);
185                MultipartBody.Part mFotoDosen = MultipartBody.Part.
       createFormData("foto", file.getName(), requestFile);
186
187                Call<ResponseInfo> call = mApiInterface.dosenUbahFoto(
       mIdDosen, mFotoDosen);
188                call.enqueue(new Callback<ResponseInfo>() {
189                    @Override
190                    public void onResponse(Call<ResponseInfo> call,
       Response<ResponseInfo> response) {
191                        progressDialog.dismiss();
192                        Toast.makeText(getApplicationContext(), response.
       body().getMessage(), Toast.LENGTH_LONG).show();
193                        if(response.body().getStatus().equals("200")) {
194                            Login login = pref.getDosen();
195                            login.setFotoDosen(namaFile);
196                            pref.dosenLogin(login);
197                            recreate();
198                        }
199                    }
200
201                    @Override
202                    public void onFailure(Call<ResponseInfo> call,
       Throwable t) {
203                        progressDialog.dismiss();
204                        Toast.makeText(getApplicationContext(), "Error :
       "+t.getMessage(), Toast.LENGTH_LONG).show();
205                    }
206                });
207            }else{
```

```
208            progressDialog.dismiss();
209            Toast.makeText(getApplicationContext(), "Something empty"
      , Toast.LENGTH_LONG).show();
210        }
211    }
212 }
```

Selanjutnya kita buat file activity_progress.xml di package layout. Kemudian tambahkan script berikut di file tersebut.

```
1  <ScrollView xmlns:android="http://schemas.android.com/apk/res/android
       "
2      xmlns:app="http://schemas.android.com/apk/res-auto"
3      xmlns:tools="http://schemas.android.com/tools"
4      android:layout_width="match_parent"
5      android:layout_height="match_parent"
6      android:fillViewport="true"
7      tools:context=".activity.ProgressActivity">
8
9      <LinearLayout
10         android:layout_width="match_parent"
11         android:layout_height="wrap_content"
12         android:orientation="vertical">
13
14         <androidx.constraintlayout.widget.ConstraintLayout
15             android:layout_width="match_parent"
16             android:layout_height="200dp">
17
18             <ImageView
19                 android:id="@+id/img_perusahaan"
20                 android:layout_width="match_parent"
21                 android:layout_height="match_parent"
22                 android:scaleType="centerCrop"
23                 android:src="@drawable/ic_launcher_background" />
24
25             <de.hdodenhof.circleimageview.CircleImageView
26                 android:id="@+id/img_mahasiswa"
27                 android:layout_width="120dp"
28                 android:layout_height="120dp"
29                 android:layout_marginBottom="16dp"
30                 android:src="@drawable/profile"
31                 app:layout_constraintBottom_toBottomOf="parent"
32                 app:layout_constraintEnd_toEndOf="parent"
33                 app:layout_constraintStart_toStartOf="parent" />
34
35             <ImageView
36                 android:id="@+id/img_map"
37                 android:layout_width="40dp"
38                 android:layout_height="40dp"
39                 android:layout_marginEnd="8dp"
40                 android:layout_marginBottom="8dp"
41                 android:src="@drawable/map"
42                 app:layout_constraintBottom_toBottomOf="parent"
43                 app:layout_constraintEnd_toEndOf="parent" />
44
45         </androidx.constraintlayout.widget.ConstraintLayout>
46
```

```xml
47          <LinearLayout
48              android:layout_width="match_parent"
49              android:layout_height="wrap_content"
50              android:layout_margin="10dp"
51              android:orientation="vertical">
52
53          <TextView
54              android:layout_width="match_parent"
55              android:layout_height="wrap_content"
56              android:layout_marginTop="8dp"
57              android:text="Nama Mahasiswa"
58              android:textStyle="bold" />
59
60          <TextView
61              android:id="@+id/tv_mahasiswa"
62              android:layout_width="match_parent"
63              android:layout_height="wrap_content"
64              android:layout_marginVertical="5dp"
65              android:text="Kadek Diva Krishna Murti" />
66
67          <TextView
68              android:layout_width="match_parent"
69              android:layout_height="wrap_content"
70              android:layout_marginTop="8dp"
71              android:text="Kelas"
72              android:textStyle="bold" />
73
74          <TextView
75              android:id="@+id/tv_kelas"
76              android:layout_width="match_parent"
77              android:layout_height="wrap_content"
78              android:layout_marginVertical="5dp"
79              android:text="Kadek Diva Krishna Murti" />
80
81          <TextView
82              android:layout_width="match_parent"
83              android:layout_height="wrap_content"
84              android:layout_marginTop="8dp"
85              android:text="Program Studi"
86              android:textStyle="bold" />
87
88          <TextView
89              android:id="@+id/tv_prodi"
90              android:layout_width="match_parent"
91              android:layout_height="wrap_content"
92              android:layout_marginVertical="5dp"
93              android:text="Kadek Diva Krishna Murti" />
94
95          <TextView
96              android:layout_width="match_parent"
97              android:layout_height="wrap_content"
98              android:layout_marginTop="8dp"
99              android:text="Angkatan"
100             android:textStyle="bold" />
101
102         <TextView
```

```
103              android:id="@+id/tv_angkatan"
104              android:layout_width="match_parent"
105              android:layout_height="wrap_content"
106              android:layout_marginVertical="5dp"
107              android:text="Kadek Diva Krishna Murti" />
108
109          <TextView
110              android:layout_width="match_parent"
111              android:layout_height="wrap_content"
112              android:layout_marginTop="8dp"
113              android:text="Nama Perusahaan"
114              android:textStyle="bold" />
115
116          <TextView
117              android:id="@+id/tv_perusahaan"
118              android:layout_width="match_parent"
119              android:layout_height="wrap_content"
120              android:layout_marginVertical="5dp"
121              android:text="Kadek Diva Krishna Murti" />
122
123          <TextView
124              android:layout_width="match_parent"
125              android:layout_height="wrap_content"
126              android:layout_marginTop="8dp"
127              android:text="Pembimbing Perusahaan"
128              android:textStyle="bold" />
129
130          <TextView
131              android:id="@+id/tv_pembimbing"
132              android:layout_width="match_parent"
133              android:layout_height="wrap_content"
134              android:layout_marginVertical="5dp"
135              android:text="Kadek Diva Krishna Murti" />
136
137          <TextView
138              android:layout_width="match_parent"
139              android:layout_height="wrap_content"
140              android:layout_marginTop="8dp"
141              android:text="Progress"
142              android:textStyle="bold" />
143
144      </LinearLayout>
145
146      <RelativeLayout
147          android:layout_width="match_parent"
148          android:layout_height="wrap_content">
149
150          <ProgressBar
151              android:id="@+id/pb_progress"
152              style="?android:attr/progressBarStyle"
153              android:layout_width="wrap_content"
154              android:layout_height="wrap_content"
155              android:layout_centerHorizontal="true"
156              android:layout_centerVertical="true"
157              android:maxWidth="30dp"
158              android:maxHeight="30dp"
```

```
159                    android:minWidth="30dp"
160                    android:minHeight="30dp"
161                    android:visibility="gone" />
162
163              <TextView
164                    android:id="@+id/tv_error"
165                    android:layout_width="wrap_content"
166                    android:layout_height="wrap_content"
167                    android:layout_centerHorizontal="true"
168                    android:layout_centerVertical="true"
169                    android:text="Gagal memuat data"
170                    android:visibility="gone" />
171
172              <LinearLayout
173                    android:layout_width="match_parent"
174                    android:layout_height="wrap_content"
175                    android:orientation="vertical"
176                    android:paddingBottom="10dp">
177
178                  <androidx.recyclerview.widget.RecyclerView
179                        android:id="@+id/rv_progress"
180                        android:layout_width="match_parent"
181                        android:layout_height="match_parent"
182                        android:scrollbars="vertical" />
183
184              </LinearLayout>
185
186          </RelativeLayout>
187      </LinearLayout>
188 </ScrollView>
```

Setelah itu, kita buat file ProgressActivity.java di package activity. Kemudian tambahkan script berikut di file tersebut.

```
1  package com.divakrishnam.actspotpembimbinginternal.activity;
2
3  import androidx.annotation.NonNull;
4  import androidx.appcompat.app.AppCompatActivity;
5  import androidx.recyclerview.widget.GridLayoutManager;
6  import androidx.recyclerview.widget.RecyclerView;
7
8  import android.app.AlertDialog;
9  import android.content.Intent;
10 import android.net.Uri;
11 import android.os.Bundle;
12 import android.util.Log;
13 import android.view.Menu;
14 import android.view.MenuInflater;
15 import android.view.MenuItem;
16 import android.view.View;
17 import android.widget.ImageView;
18 import android.widget.ProgressBar;
19 import android.widget.TextView;
20
21 import com.bumptech.glide.Glide;
22 import com.divakrishnam.actspotpembimbinginternal.R;
```

```
23  import com.divakrishnam.actspotpembimbinginternal.adapter.
        ProgressAdapter;
24  import com.divakrishnam.actspotpembimbinginternal.api.APIClient;
25  import com.divakrishnam.actspotpembimbinginternal.api.APIService;
26  import com.divakrishnam.actspotpembimbinginternal.model.Mahasiswa;
27  import com.divakrishnam.actspotpembimbinginternal.model.Progress;
28  import com.divakrishnam.actspotpembimbinginternal.model.
        ResponseProgress;
29  import com.divakrishnam.actspotpembimbinginternal.util.
        SharedPrefManager;
30  import com.divakrishnam.actspotpembimbinginternal.util.Urls;
31
32  import java.util.List;
33  import java.util.Locale;
34
35  import retrofit2.Call;
36  import retrofit2.Callback;
37  import retrofit2.Response;
38
39  public class ProgressActivity extends AppCompatActivity implements
        ProgressAdapter.ProgressListener, View.OnClickListener {
40
41      public static final String EXTRA_MAHASISWA = "extra_mahasiswa";
42
43      private ImageView ivPerusahaan, ivMahasiswa, ivMap;
44      private TextView tvMahasiswa, tvKelas, tvProdi, tvAngkatan,
        tvPerusahaan, tvPembimbing;
45
46      private RecyclerView rvProgress;
47
48      private APIService mApiInterface;
49      private SharedPrefManager pref;
50
51      private ProgressBar pbProgress;
52      private TextView tvError;
53
54      private String idMahasiswa = "";
55      private String idIntern = "";
56
57      private Mahasiswa mahasiswa;
58
59      @Override
60      protected void onCreate(Bundle savedInstanceState) {
61          super.onCreate(savedInstanceState);
62          setContentView(R.layout.activity_progress);
63
64          mahasiswa = getIntent().getParcelableExtra(EXTRA_MAHASISWA);
65
66          ivPerusahaan = findViewById(R.id.img_perusahaan);
67          ivMahasiswa = findViewById(R.id.img_mahasiswa);
68          ivMap = findViewById(R.id.img_map);
69
70          tvMahasiswa = findViewById(R.id.tv_mahasiswa);
71          tvKelas = findViewById(R.id.tv_kelas);
72          tvProdi = findViewById(R.id.tv_prodi);
73          tvAngkatan = findViewById(R.id.tv_angkatan);
```

```
74          tvPerusahaan = findViewById(R.id.tv_perusahaan);
75          tvPembimbing = findViewById(R.id.tv_pembimbing);
76          pbProgress = findViewById(R.id.pb_progress);
77          rvProgress = findViewById(R.id.rv_progress);
78
79          tvError = findViewById(R.id.tv_error);
80
81          tvMahasiswa.setText(mahasiswa.getNamaMahasiswa());
82          tvKelas.setText(mahasiswa.getKelasMahasiswa());
83          tvProdi.setText(mahasiswa.getNamaProdi());
84          tvAngkatan.setText(mahasiswa.getAngkatanMahasiswa());
85          tvPerusahaan.setText(mahasiswa.getNamaPerusahaan());
86          tvPembimbing.setText(mahasiswa.getNamaPembimbing());
87
88
89          Glide.with(this).load(Urls.IMAGE_URL+"mahasiswa/"+mahasiswa.
    getFotoMahasiswa()).error(R.drawable.profile).into(ivMahasiswa);
90          Glide.with(this).load(Urls.IMAGE_URL+"perusahaan/"+mahasiswa.
    getFotoPerusahaan()).error(R.drawable.profile).into(ivPerusahaan)
    ;
91
92          idMahasiswa = mahasiswa.getIdMahasiswa();
93          idIntern = mahasiswa.getIdIntern();
94
95          pref = SharedPrefManager.getInstance(getApplicationContext())
    ;
96          getSupportActionBar().setTitle("Progress "+pref.getDosen().
    getNamaDosen());
97          mApiInterface = APIClient.getClient().create(APIService.class
    );
98
99          ivMap.setOnClickListener(this);
100     }
101
102     @Override
103     public void onResume() {
104         super.onResume();
105         if(pref.getSort() == null){
106             showProgress("bulan");
107             pref.setSort("bulan");
108         }{
109             showProgress(pref.getSort());
110         }
111     }
112
113     private void showProgress(String sort) {
114         showLoading(true);
115
116         rvProgress.setLayoutManager(new GridLayoutManager(
    getApplicationContext(), 2));
117
118         Log.d("lilil", idIntern+idMahasiswa+sort);
119         Call<ResponseProgress> call = mApiInterface.progressMahasiswa
    (idIntern, idMahasiswa, sort);
120         call.enqueue(new Callback<ResponseProgress>() {
121             @Override
```

```
122              public void onResponse(Call<ResponseProgress> call,
         Response<ResponseProgress> response) {
123                  showLoading(false);
124                  if(response.body().getStatus().equals("201") ||
         response.body().getStatus().equals("202") || response.body().
         getStatus().equals("203")){
125                      showData(response.body().getData());
126                  }else{
127                      showMessage(true, response.body().getMessage());
128                  }
129              }
130
131              @Override
132              public void onFailure(Call<ResponseProgress> call,
         Throwable t) {
133                  showLoading(false);
134                  showMessage(true, t.getMessage());
135              }
136          });
137      }
138
139      private void showData(List<Progress> data) {
140          ProgressAdapter progressAdapter = new ProgressAdapter(
         getApplicationContext(), data, this);
141          rvProgress.setAdapter(progressAdapter);
142      }
143
144      private void showLoading(Boolean state) {
145          if (state) {
146              pbProgress.setVisibility(View.VISIBLE);
147          } else {
148              pbProgress.setVisibility(View.GONE);
149          }
150      }
151
152      private void showMessage(Boolean state, String message) {
153          if (state) {
154              tvError.setText(message);
155              tvError.setVisibility(View.VISIBLE);
156          } else {
157              tvError.setVisibility(View.GONE);
158          }
159      }
160
161      @Override
162      public boolean onCreateOptionsMenu(Menu menu) {
163          getMenuInflater().inflate(R.menu.menu_progress, menu);
164          return true;
165      }
166
167      @Override
168      public boolean onOptionsItemSelected(@NonNull MenuItem menuItem)
         {
169          if (menuItem.getItemId() == R.id.menu_sort_progress) {
170              sortProgress();
171          }
```

```
172            return true;
173        }
174
175        private void sortProgress() {
176            AlertDialog.Builder builder = new AlertDialog.Builder(this);
177            String[] sorts = {"Date", "Week", "Month"};
178            builder.setItems(sorts, (dialog, which) -> {
179                switch (which) {
180                    case 0:
181                        showProgress("hari");
182                        pref.setSort("hari");
183                        break;
184                    case 1:
185                        showProgress("minggu");
186                        pref.setSort("minggu");
187                        break;
188                    case 2:
189                        showProgress("bulan");
190                        pref.setSort("bulan");
191                        break;
192                }
193            });
194
195            AlertDialog dialog = builder.create();
196            dialog.show();
197        }
198
199        @Override
200        public void onMonthClickProgress() {
201            showProgress("minggu");
202            pref.setSort("minggu");
203        }
204
205        @Override
206        public void onWeekClickProgress() {
207            showProgress("hari");
208            pref.setSort("hari");
209        }
210
211        @Override
212        public void onClick(View view) {
213            if (view == ivMap){
214                String uri = String.format(Locale.ENGLISH, "http://maps.
        google.com/maps?q=loc:%f,%f", Float.valueOf(mahasiswa.
        getLatitudePerusahaan()), Float.valueOf(mahasiswa.
        getLongitudePerusahaan()));
215                Intent intent = new Intent(Intent.ACTION_VIEW, Uri.parse(
        uri));
216                startActivity(intent);
217                Log.d("kiki", mahasiswa.getLatitudePerusahaan());
218            }
219        }
220 }
```

Selanjutnya kita buat file activity_text.xml di package layout. Kemudian tambahkan script berikut di file tersebut.

```xml
1 <?xml version="1.0" encoding="utf-8"?>
2 <LinearLayout xmlns:android="http://schemas.android.com/apk/res/
      android"
3     xmlns:app="http://schemas.android.com/apk/res-auto"
4     xmlns:tools="http://schemas.android.com/tools"
5     android:layout_width="match_parent"
6     android:layout_height="match_parent"
7     android:orientation="vertical"
8     android:layout_marginHorizontal="12dp"
9     tools:context=".activity.TextActivity">
10
11    <TextView
12        android:id="@+id/tv_text"
13        android:layout_width="match_parent"
14        android:layout_height="wrap_content"
15        android:text="Teks"
16        android:layout_marginTop="10dp"/>
17
18    <EditText
19        android:id="@+id/et_text"
20        android:layout_width="match_parent"
21        android:layout_height="wrap_content"
22        android:layout_marginVertical="8dp"
23        android:paddingHorizontal="10dp"
24        android:paddingVertical="10dp"
25        android:background="@drawable/custom_edittext"/>
26
27    <Button
28        android:id="@+id/btn_savetext"
29        android:layout_width="match_parent"
30        android:layout_height="wrap_content"
31        android:text="Simpan"/>
32
33 </LinearLayout>
```

Setelah itu, kita buat file TextActivity.java di package activity. Kemudian tambahkan script berikut di file tersebut.

```java
1 package com.divakrishnam.actspotpembimbinginternal.activity;
2
3 import androidx.appcompat.app.AppCompatActivity;
4
5 import android.app.ProgressDialog;
6 import android.os.Bundle;
7 import android.view.View;
8 import android.widget.Button;
9 import android.widget.EditText;
10 import android.widget.TextView;
11 import android.widget.Toast;
12
13 import com.divakrishnam.actspotpembimbinginternal.R;
14 import com.divakrishnam.actspotpembimbinginternal.api.APIClient;
15 import com.divakrishnam.actspotpembimbinginternal.api.APIService;
16 import com.divakrishnam.actspotpembimbinginternal.model.Login;
17 import com.divakrishnam.actspotpembimbinginternal.model.ResponseInfo;
18 import com.divakrishnam.actspotpembimbinginternal.util.
      SharedPrefManager;
```

```
19
20  import retrofit2.Call;
21  import retrofit2.Callback;
22  import retrofit2.Response;
23
24  public class TextActivity extends AppCompatActivity implements View.
        OnClickListener {
25
26      public static final String EXTRA_USER = "extra_user";
27      public static final String EXTRA_NAMA = "extra_nama";
28      public static final String EXTRA_KONTAK = "extra_kontak";
29
30      private TextView tvText;
31      private EditText etText;
32      private Button btnSave;
33
34      private String user, nama, kontak;
35
36      private SharedPrefManager pref;
37      private APIService mApiInterface;
38
39      @Override
40      protected void onCreate(Bundle savedInstanceState) {
41          super.onCreate(savedInstanceState);
42          setContentView(R.layout.activity_text);
43
44          tvText = findViewById(R.id.tv_text);
45          etText = findViewById(R.id.et_text);
46          btnSave = findViewById(R.id.btn_savetext);
47
48          pref = SharedPrefManager.getInstance(getApplicationContext())
        ;
49          mApiInterface = APIClient.getClient().create(APIService.class
        );
50
51          user = getIntent().getStringExtra(EXTRA_USER);
52          nama = getIntent().getStringExtra(EXTRA_NAMA);
53          kontak = getIntent().getStringExtra(EXTRA_KONTAK);
54
55          if (user!=null){
56              getSupportActionBar().setTitle("Change Username");
57              tvText.setText("Username");
58              etText.setText(user);
59              etText.setSelection(user.length());
60          }else if (nama!=null){
61              getSupportActionBar().setTitle("Change Name");
62              tvText.setText("Nama");
63              etText.setText(nama);
64              etText.setSelection(nama.length());
65          }else if (kontak!=null){
66              getSupportActionBar().setTitle("Change Contact");
67              tvText.setText("Kontak");
68              etText.setText(kontak);
69              etText.setSelection(kontak.length());
70          }
71
```

```
72          btnSave . setOnClickListener ( this ) ;
73      }
74
75      @Override
76      public void onClick ( View view ) {
77          if ( view == btnSave ){
78              if ( user != null ){
79                  saveUsername ( ) ;
80              } else if ( nama != null ){
81                  saveNama ( ) ;
82              } else if ( kontak != null ){
83                  saveKontak ( ) ;
84              }
85          }
86      }
87
88      private void saveUsername ( ){
89          final ProgressDialog progressDialog = new ProgressDialog ( this
        ) ;
90          progressDialog . setMessage ( "Menyimpan data ... " ) ;
91          progressDialog . setCancelable ( false ) ;
92          progressDialog . show ( ) ;
93
94          String text = etText . getText ( ) . toString ( ) ;
95          String idDosen = pref . getDosen ( ) . getIdDosen ( ) ;
96
97          if ( ! text . isEmpty ( ) ){
98
99              Call<ResponseInfo> call = mApiInterface . dosenUbahUsername
        ( idDosen , text ) ;
100             call . enqueue ( new Callback<ResponseInfo >() {
101                 @Override
102                 public void onResponse ( Call<ResponseInfo> call ,
        Response<ResponseInfo> response ) {
103                     progressDialog . dismiss ( ) ;
104                     Toast . makeText ( getApplicationContext ( ) , response .
        body ( ) . getMessage ( ) , Toast . LENGTH_LONG ) . show ( ) ;
105                     if ( response . body ( ) . getStatus ( ) . equals ( "200" )) {
106                         Login login = pref . getDosen ( ) ;
107                         login . setUsername ( text ) ;
108                         pref . dosenLogin ( login ) ;
109                         finish ( ) ;
110                     }
111                 }
112
113                 @Override
114                 public void onFailure ( Call<ResponseInfo> call ,
        Throwable t ) {
115                     progressDialog . dismiss ( ) ;
116                     Toast . makeText ( getApplicationContext ( ) , "Error :
        "+t . getMessage ( ) , Toast . LENGTH_LONG ) . show ( ) ;
117                 }
118             }) ;
119         } else {
120             Toast . makeText ( getApplicationContext ( ) , "Field kosong" ,
        Toast . LENGTH_SHORT ) . show ( ) ;
```

```
121                 progressDialog.dismiss();
122             }
123         }
124
125     private void saveNama(){
126         final ProgressDialog progressDialog = new ProgressDialog(this
        );
127         progressDialog.setMessage("Menyimpan data...");
128         progressDialog.setCancelable(false);
129         progressDialog.show();
130
131         String text = etText.getText().toString();
132         String idDosen = pref.getDosen().getIdDosen();
133
134         if (!text.isEmpty()){
135
136             Call<ResponseInfo> call = mApiInterface.dosenUbahNama(
        idDosen, text);
137             call.enqueue(new Callback<ResponseInfo>() {
138                 @Override
139                 public void onResponse(Call<ResponseInfo> call,
        Response<ResponseInfo> response) {
140                     progressDialog.dismiss();
141                     Toast.makeText(getApplicationContext(), response.
        body().getMessage(), Toast.LENGTH_LONG).show();
142                     if(response.body().getStatus().equals("200")) {
143                         Login login = pref.getDosen();
144                         login.setNamaDosen(text);
145                         pref.dosenLogin(login);
146                         finish();
147                     }
148                 }
149
150                 @Override
151                 public void onFailure(Call<ResponseInfo> call,
        Throwable t) {
152                     progressDialog.dismiss();
153                     Toast.makeText(getApplicationContext(), "Error :
        "+t.getMessage(), Toast.LENGTH_LONG).show();
154                 }
155             });
156         }else {
157             Toast.makeText(getApplicationContext(), "Field kosong",
        Toast.LENGTH_SHORT).show();
158             progressDialog.dismiss();
159         }
160     }
161
162     private void saveKontak(){
163         final ProgressDialog progressDialog = new ProgressDialog(this
        );
164         progressDialog.setMessage("Menyimpan data...");
165         progressDialog.setCancelable(false);
166         progressDialog.show();
167
168         String text = etText.getText().toString();
```

```
169            String idDosen = pref.getDosen().getIdDosen();
170
171            if (!text.isEmpty()){
172
173                Call<ResponseInfo> call = mApiInterface.dosenUbahKontak(
       idDosen, text);
174                call.enqueue(new Callback<ResponseInfo>() {
175                    @Override
176                    public void onResponse(Call<ResponseInfo> call,
       Response<ResponseInfo> response) {
177                        progressDialog.dismiss();
178                        Toast.makeText(getApplicationContext(), response.
       body().getMessage(), Toast.LENGTH_LONG).show();
179                        if(response.body().getStatus().equals("200")) {
180                            Login login = pref.getDosen();
181                            login.setKontakDosen(text);
182                            pref.dosenLogin(login);
183                            finish();
184                        }
185                    }
186
187                    @Override
188                    public void onFailure(Call<ResponseInfo> call,
       Throwable t) {
189                        progressDialog.dismiss();
190                        Toast.makeText(getApplicationContext(), "Error :
       "+t.getMessage(), Toast.LENGTH_LONG).show();
191                    }
192                });
193            }else {
194                Toast.makeText(getApplicationContext(), "Field kosong",
       Toast.LENGTH_SHORT).show();
195                progressDialog.dismiss();
196            }
197        }
198 }
```

Selanjutnya kita buat file item_detail_progress.xml di package layout. Kemudian tambahkan script berikut di file tersebut.

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <androidx.cardview.widget.CardView xmlns:android="http://schemas.
       android.com/apk/res/android"
3     android:orientation="vertical" android:layout_width="match_parent
       "
4     android:layout_height="wrap_content"
5     android:layout_marginVertical="5dp"
6     android:layout_marginHorizontal="10dp">
7
8     <LinearLayout
9         android:layout_width="match_parent"
10        android:layout_height="wrap_content"
11        android:orientation="horizontal"
12        android:padding="10dp">
13
14        <de.hdodenhof.circleimageview.CircleImageView
15            android:id="@+id/iv_progress"
```

```
16              android:layout_width="80dp"
17              android:layout_height="80dp"
18              android:src="@drawable/profile"
19              android:layout_gravity="center_vertical"/>
20
21          <LinearLayout
22              android:layout_width="match_parent"
23              android:layout_height="wrap_content"
24              android:orientation="vertical"
25              android:layout_marginLeft="16dp"
26              android:layout_marginVertical="4dp">
27
28              <TextView
29                  android:layout_width="match_parent"
30                  android:layout_height="wrap_content"
31                  android:textStyle="bold"
32                  android:text="Tanggal &amp; Waktu "/>
33
34              <TextView
35                  android:id="@+id/tv_tgl_waktu"
36                  android:layout_width="match_parent"
37                  android:layout_height="wrap_content"
38                  android:text="Tanggal Waktu"/>
39
40              <TextView
41                  android:layout_width="match_parent"
42                  android:layout_height="wrap_content"
43                  android:textStyle="bold"
44                  android:layout_marginTop="2dp"
45                  android:text="Kegiatan "/>
46
47              <TextView
48                  android:id="@+id/tv_kegiatan"
49                  android:layout_width="match_parent"
50                  android:layout_height="wrap_content"
51                  android:text="Kegiatan"/>
52
53          </LinearLayout>
54
55      </LinearLayout>
56
57 </androidx.cardview.widget.CardView>
```

Setelah itu, kita buat file DetailProgressAdapter.java di package adapter. Kemudian tambahkan script berikut di file tersebut.

```
1 package com.divakrishnam.actspotpembimbinginternal.adapter;
2
3 import android.content.Context;
4 import android.view.LayoutInflater;
5 import android.view.View;
6 import android.view.ViewGroup;
7 import android.widget.ImageView;
8 import android.widget.TextView;
9
10 import androidx.annotation.NonNull;
11 import androidx.recyclerview.widget.RecyclerView;
```

```
12
13  import com.bumptech.glide.Glide;
14  import com.divakrishnam.actspotpembimbinginternal.R;
15  import com.divakrishnam.actspotpembimbinginternal.model.
        ProgressPerDay;
16  import com.divakrishnam.actspotpembimbinginternal.util.Urls;
17
18  import java.util.List;
19
20  public class DetailProgressAdapter  extends RecyclerView.Adapter<
        DetailProgressAdapter.DetailProgressViewHolder> {
21
22      private List<ProgressPerDay> mList;
23      private Context mContext;
24
25      public DetailProgressAdapter(Context context, List<ProgressPerDay
        > list){
26          mContext = context;
27          mList = list;
28      }
29
30      @NonNull
31      @Override
32      public DetailProgressViewHolder onCreateViewHolder(@NonNull
        ViewGroup parent, int viewType) {
33          View mView = LayoutInflater.from(parent.getContext()).inflate
        (R.layout.item_detail_progress, parent, false);
34          DetailProgressViewHolder mViewHolder = new
        DetailProgressViewHolder(mView);
35          return mViewHolder;
36      }
37
38      @Override
39      public void onBindViewHolder(@NonNull DetailProgressViewHolder
        holder, int position) {
40
41          ProgressPerDay progressPerDay = mList.get(position);
42
43          holder.tvKegiatan.setText(progressPerDay.getKegiatan());
44          holder.tvTglWaktu.setText(progressPerDay.getTglWaktu());
45          Glide.with(mContext).load(Urls.IMAGE_URL+"absensi/"+
        progressPerDay.getFotoAbsensi()).error(R.drawable.profile).into(
        holder.ivProgress);
46      }
47
48      @Override
49      public int getItemCount() {
50          return mList.size();
51      }
52
53      public class DetailProgressViewHolder extends RecyclerView.
        ViewHolder {
54
55          ImageView ivProgress;
56          TextView tvTglWaktu, tvKegiatan;
57
```

```
58          public DetailProgressViewHolder(@NonNull View itemView) {
59              super(itemView);
60
61              ivProgress = itemView.findViewById(R.id.iv_progress);
62              tvTglWaktu = itemView.findViewById(R.id.tv_tgl_waktu);
63              tvKegiatan = itemView.findViewById(R.id.tv_kegiatan);
64          }
65      }
66 }
```

Selanjutnya kita buat file item_mahasiswa.xml di package layout. Kemudian tambahkan script berikut di file tersebut.

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <androidx.cardview.widget.CardView xmlns:android="http://schemas.
      android.com/apk/res/android"
3      android:orientation="vertical"
4      android:layout_width="match_parent"
5      android:layout_height="wrap_content"
6      android:layout_marginVertical="5dp"
7      android:layout_marginHorizontal="10dp">
8
9      <LinearLayout
10         android:layout_width="match_parent"
11         android:layout_height="wrap_content"
12         android:orientation="horizontal"
13         android:padding="10dp">
14
15     <de.hdodenhof.circleimageview.CircleImageView
16         android:id="@+id/img_mahasiswa"
17         android:layout_width="80dp"
18         android:layout_height="80dp"
19         android:src="@drawable/profile"/>
20
21     <LinearLayout
22         android:layout_width="match_parent"
23         android:layout_height="wrap_content"
24         android:orientation="vertical"
25         android:layout_weight="1"
26         android:layout_gravity="center_vertical"
27         android:layout_marginStart="14dp">
28
29         <TextView
30             android:id="@+id/tv_mahasiswa"
31             android:layout_width="match_parent"
32             android:layout_height="wrap_content"
33             android:textStyle="bold"
34             android:text="Kadek Diva Krishna Murti"/>
35
36         <TextView
37             android:id="@+id/tv_perusahaan"
38             android:layout_width="match_parent"
39             android:layout_height="wrap_content"
40             android:text="Politeknik Pos Indonesia"/>
41
42         <TextView
43             android:id="@+id/tv_angkatan"
```

```
44                android:layout_width="match_parent"
45                android:layout_height="wrap_content"
46                android:text="2017"/>
47
48        </LinearLayout>
49
50        <TextView
51            android:id="@+id/tv_presentase"
52            android:layout_width="55dp"
53            android:layout_height="wrap_content"
54            android:layout_gravity="center"
55            android:text="100%"
56            android:textStyle="bold"
57            android:textSize="18sp"/>
58
59 </LinearLayout>
60 </androidx.cardview.widget.CardView>
```

Setelah itu, kita buat file MahasiswaAdapter.java di package adapter. Kemudian tambahkan script berikut di file tersebut.

```
1  package com.divakrishnam.actspotpembimbinginternal.adapter;
2
3  import android.content.Context;
4  import android.content.Intent;
5  import android.view.LayoutInflater;
6  import android.view.View;
7  import android.view.ViewGroup;
8  import android.widget.ImageView;
9  import android.widget.TextView;
10
11 import androidx.annotation.NonNull;
12 import androidx.recyclerview.widget.RecyclerView;
13
14 import com.bumptech.glide.Glide;
15 import com.divakrishnam.actspotpembimbinginternal.R;
16 import com.divakrishnam.actspotpembimbinginternal.activity.
        ProgressActivity;
17 import com.divakrishnam.actspotpembimbinginternal.model.Mahasiswa;
18 import com.divakrishnam.actspotpembimbinginternal.util.Urls;
19
20 import java.util.List;
21
22 public class MahasiswaAdapter extends RecyclerView.Adapter<
        MahasiswaAdapter.MahasiswaViewHolder> {
23
24      private List<Mahasiswa> mList;
25      private Context mContext;
26
27      public MahasiswaAdapter(Context context, List<Mahasiswa> list){
28          mContext = context;
29          mList = list;
30      }
31
32      @NonNull
33      @Override
```

```
34      public MahasiswaViewHolder onCreateViewHolder(@NonNull ViewGroup
        parent, int viewType) {
35          View mView = LayoutInflater.from(parent.getContext()).inflate
        (R.layout.item_mahasiswa, parent, false);
36          MahasiswaViewHolder mViewHolder = new MahasiswaViewHolder(
        mView);
37          return mViewHolder;
38      }
39
40      @Override
41      public void onBindViewHolder(@NonNull MahasiswaViewHolder holder,
         int position) {
42          final Mahasiswa mahasiswa = mList.get(position);
43
44          holder.tvMahasiswa.setText(mahasiswa.getNamaMahasiswa());
45          holder.tvPerusahaan.setText(mahasiswa.getNamaPerusahaan());
46          holder.tvAngkatan.setText(mahasiswa.getAngkatanMahasiswa());
47          holder.tvPresentase.setText(mahasiswa.getPresentaseInternship
        ()+"%");
48          Glide.with(mContext).load(Urls.IMAGE_URL+"mahasiswa/"+
        mahasiswa.getFotoMahasiswa()).error(R.drawable.profile).into(
        holder.ivMahasiswa);
49          holder.itemView.setOnClickListener(view -> {
50              Intent intent = new Intent(mContext, ProgressActivity.
        class);
51              intent.putExtra(ProgressActivity.EXTRA_MAHASISWA,
        mahasiswa);
52              mContext.startActivity(intent);
53          });
54      }
55
56      @Override
57      public int getItemCount() {
58          return mList.size();
59      }
60
61      public class MahasiswaViewHolder extends RecyclerView.ViewHolder
        {
62
63          ImageView ivMahasiswa;
64          TextView tvMahasiswa, tvPerusahaan, tvAngkatan, tvPresentase;
65
66          public MahasiswaViewHolder(@NonNull View itemView) {
67              super(itemView);
68
69              ivMahasiswa = itemView.findViewById(R.id.img_mahasiswa);
70              tvMahasiswa = itemView.findViewById(R.id.tv_mahasiswa);
71              tvPerusahaan = itemView.findViewById(R.id.tv_perusahaan);
72              tvAngkatan = itemView.findViewById(R.id.tv_angkatan);
73              tvPresentase = itemView.findViewById(R.id.tv_presentase);
74          }
75      }
76 }
```

Selanjutnya kita buat file item_notification.xml di package layout. Kemudian tambahkan script berikut di file tersebut.

```xml
1 <?xml version="1.0" encoding="utf-8"?>
2 <androidx.cardview.widget.CardView xmlns:android="http://schemas.
       android.com/apk/res/android"
3        android:orientation="vertical"
4        android:layout_width="match_parent"
5        android:layout_height="wrap_content"
6        android:layout_marginHorizontal="10dp"
7        android:layout_marginVertical="5dp">
8
9        <LinearLayout
10           android:layout_width="match_parent"
11           android:layout_height="wrap_content"
12           android:orientation="vertical"
13           android:layout_margin="12dp">
14
15           <TextView
16                android:id="@+id/tv_message"
17                android:layout_width="match_parent"
18                android:layout_height="wrap_content"
19                android:text="Pesan."/>
20
21           <TextView
22                android:id="@+id/tv_time"
23                android:layout_width="match_parent"
24                android:layout_height="wrap_content"
25                android:textStyle="bold"
26                android:textSize="12sp"
27                android:layout_marginTop="4dp"
28                android:text="2019-12-12 18:00:00"/>
29
30       </LinearLayout>
31
32 </androidx.cardview.widget.CardView>
```

Setelah itu, kita buat file NotificationAdapter.java di package adapter. Kemudian tambahkan script berikut di file tersebut.

```java
1 package com.divakrishnam.actspotpembimbinginternal.adapter;
2
3 import android.content.Context;
4 import android.view.LayoutInflater;
5 import android.view.View;
6 import android.view.ViewGroup;
7 import android.widget.TextView;
8
9 import androidx.annotation.NonNull;
10 import androidx.recyclerview.widget.RecyclerView;
11
12 import com.divakrishnam.actspotpembimbinginternal.R;
13 import com.divakrishnam.actspotpembimbinginternal.model.Notification;
14
15 import java.util.List;
16
17 public class NotificationAdapter extends RecyclerView.Adapter<
       NotificationAdapter.NotificationViewHolder> {
18       private List<Notification> mList;
19       private Context mContext;
```

```
20
21      public NotificationAdapter(Context context, List<Notification>
        list){
22          mContext = context;
23          mList = list;
24      }
25
26      @NonNull
27      @Override
28      public NotificationViewHolder onCreateViewHolder(@NonNull
        ViewGroup parent, int viewType) {
29          View mView = LayoutInflater.from(parent.getContext()).inflate
        (R.layout.item_notification, parent, false);
30          NotificationViewHolder mViewHolder = new
        NotificationViewHolder(mView);
31          return mViewHolder;
32      }
33
34      @Override
35      public void onBindViewHolder(@NonNull NotificationViewHolder
        holder, int position) {
36          final Notification notification = mList.get(position);
37
38          holder.tvTime.setText(notification.getTglWaktu());
39          holder.tvMessage.setText(notification.getPesan());
40      }
41
42      @Override
43      public int getItemCount() {
44          return mList.size();
45      }
46
47      public class NotificationViewHolder extends RecyclerView.
        ViewHolder {
48          TextView tvTime, tvMessage;
49
50          public NotificationViewHolder(@NonNull View itemView) {
51              super(itemView);
52
53              tvTime = itemView.findViewById(R.id.tv_time);
54              tvMessage = itemView.findViewById(R.id.tv_message);
55          }
56      }
57 }
```

Selanjutnya kita buat file item_progress.xml di package layout. Kemudian tambahkan script berikut di file tersebut.

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <androidx.cardview.widget.CardView xmlns:android="http://schemas.
      android.com/apk/res/android"
3      android:orientation="vertical" android:layout_width="match_parent
      "
4      android:layout_height="wrap_content"
5      android:layout_marginHorizontal="10dp"
6      android:layout_marginVertical="5dp">
7
```

```
8        <LinearLayout
9            android:layout_width="match_parent"
10           android:layout_height="wrap_content"
11           android:orientation="vertical">
12
13           <TextView
14               android:id="@+id/tv_sort"
15               android:layout_width="match_parent"
16               android:layout_height="wrap_content"
17               android:gravity="center"
18               android:paddingVertical="10dp"
19               android:textStyle="bold"
20               android:textSize="18sp"
21               android:background="@color/colorPrimaryDark"
22               android:textColor="@android:color/white"
23               android:text="Sort"/>
24
25           <View
26               android:layout_width="match_parent"
27               android:layout_height="0.2dp"
28               android:background="@android:color/darker_gray"/>
29
30           <com.github.mikephil.charting.charts.PieChart
31               android:id="@+id/piechart"
32               android:layout_width="match_parent"
33               android:layout_height="180dp"
34               android:layout_gravity="center"
35               android:layout_margin="8dp"/>
36
37       </LinearLayout>
38
39 </androidx.cardview.widget.CardView>
```

Setelah itu, kita buat file ProgressAdapter.java di package adapter. Kemudian tambahkan script berikut di file tersebut.

```
1 package com.divakrishnam.actspotpembimbinginternal.adapter;
2
3 import android.content.Context;
4 import android.content.Intent;
5 import android.graphics.Color;
6 import android.view.LayoutInflater;
7 import android.view.View;
8 import android.view.ViewGroup;
9 import android.widget.TextView;
10
11 import androidx.annotation.NonNull;
12 import androidx.recyclerview.widget.RecyclerView;
13
14 import com.divakrishnam.actspotpembimbinginternal.R;
15 import com.divakrishnam.actspotpembimbinginternal.activity.
       DetailProgressActivity;
16 import com.divakrishnam.actspotpembimbinginternal.model.Progress;
17 import com.github.mikephil.charting.charts.PieChart;
18 import com.github.mikephil.charting.data.PieData;
19 import com.github.mikephil.charting.data.PieDataSet;
20 import com.github.mikephil.charting.data.PieEntry;
```

```java
21 import com.github.mikephil.charting.formatter.PercentFormatter;
22 import com.github.mikephil.charting.utils.ColorTemplate;
23
24 import java.util.ArrayList;
25 import java.util.List;
26
27 public class ProgressAdapter extends RecyclerView.Adapter<
       ProgressAdapter.ProgressViewHolder> {
28
29     private List<Progress> mList;
30     private Context mContext;
31     private ProgressListener mListener;
32
33     public ProgressAdapter(Context context, List<Progress> list,
       ProgressListener listener) {
34         mContext = context;
35         mList = list;
36         mListener = listener;
37     }
38
39     @NonNull
40     @Override
41     public ProgressViewHolder onCreateViewHolder(@NonNull ViewGroup
       parent, int viewType) {
42         View mView = LayoutInflater.from(parent.getContext()).inflate
       (R.layout.item_progress, parent, false);
43         ProgressViewHolder mViewHolder = new ProgressViewHolder(mView
       );
44         return mViewHolder;
45     }
46
47     @Override
48     public void onBindViewHolder(@NonNull ProgressViewHolder holder,
       int position) {
49         final Progress progress = mList.get(position);
50         holder.tvSort.setText(progress.getSort());
51
52         int pot = position+1;
53
54         if (progress.getSort().equals("Hari ke-" + pot)) {
55             holder.tvSort.setOnClickListener(view -> {
56                 Intent day = new Intent(mContext,
       DetailProgressActivity.class);
57                 day.putExtra(DetailProgressActivity.EXTRA_DAY,
       progress.getTglWaktu());
58                 day.putExtra(DetailProgressActivity.EXTRA_ID,
       progress.getIdMahasiswa());
59                 day.putExtra(DetailProgressActivity.EXTRA_INTERN,
       progress.getIdIntern());
60                 mContext.startActivity(day);
61             });
62         }else if(progress.getSort().equals("Minggu ke-" + pot)){
63             holder.tvSort.setOnClickListener(view -> mListener.
       onWeekClickProgress());
64         }else if(progress.getSort().equals("Bulan ke-" + pot)){
```

```
65              holder.tvSort.setOnClickListener(view -> mListener.
        onMonthClickProgress());
66          }
67
68          holder.pcProgress.setDrawHoleEnabled(true);
69          holder.pcProgress.setHoleRadius(0);
70          holder.pcProgress.setTransparentCircleRadius(0);
71
72          holder.pcProgress.setRotationAngle(0);
73          holder.pcProgress.setRotationEnabled(true);
74
75          PieDataSet pieDataSet = new PieDataSet(getData(progress.
        getPersen()),null);
76          pieDataSet.setColors(ColorTemplate.COLORFUL_COLORS);
77          pieDataSet.setSliceSpace(3);
78          pieDataSet.setSelectionShift(5);
79          PieData pieData = new PieData(pieDataSet);
80          pieData.setValueFormatter(new PercentFormatter(holder.
        pcProgress));
81          holder.pcProgress.setUsePercentValues(true);
82          pieData.setValueTextSize(12f);
83          pieData.setValueTextColor(Color.WHITE);
84          holder.pcProgress.setDrawSliceText(false);
85          holder.pcProgress.setData(pieData);
86          holder.pcProgress.animateXY(100, 100);
87          holder.pcProgress.invalidate();
88          holder.pcProgress.getDescription().setEnabled(false);
89
90      }
91
92      @Override
93      public int getItemCount() {
94          return mList.size();
95      }
96
97      public class ProgressViewHolder extends RecyclerView.ViewHolder {
98
99          PieChart pcProgress;
100         TextView tvSort;
101
102         public ProgressViewHolder(@NonNull View itemView) {
103             super(itemView);
104
105             pcProgress = itemView.findViewById(R.id.piechart);
106             tvSort = itemView.findViewById(R.id.tv_sort);
107         }
108     }
109
110     private ArrayList getData(String persen){
111         float full = Float.valueOf(persen);
112         float unfull = 100f - Float.valueOf(persen);
113         ArrayList<PieEntry> entries = new ArrayList<>();
114         entries.add(new PieEntry(full, "Terpenuhi"));
115         entries.add(new PieEntry(unfull, "Tidak terpenuhi"));
116         return entries;
117     }
```

```
118
119      public interface ProgressListener {
120          void onMonthClickProgress();
121          void onWeekClickProgress();
122      }
123 }
```

Selanjutnya kita buat file fragment_notification.xml di package layout. Kemudian tambahkan script berikut di file tersebut.

```
1  <RelativeLayout xmlns:android="http://schemas.android.com/apk/res/
       android"
2      xmlns:tools="http://schemas.android.com/tools"
3      android:layout_width="match_parent"
4      android:layout_height="match_parent"
5      tools:context=".fragment.">
6
7      <ProgressBar
8          android:id="@+id/pb_progress"
9          style="?android:attr/progressBarStyle"
10         android:layout_width="wrap_content"
11         android:layout_height="wrap_content"
12         android:layout_centerHorizontal="true"
13         android:layout_centerVertical="true"
14         android:maxWidth="30dp"
15         android:maxHeight="30dp"
16         android:minWidth="30dp"
17         android:minHeight="30dp"
18         android:visibility="gone" />
19
20     <TextView
21         android:id="@+id/tv_error"
22         android:layout_width="wrap_content"
23         android:layout_height="wrap_content"
24         android:layout_centerHorizontal="true"
25         android:layout_centerVertical="true"
26         android:text="Gagal memuat data"
27         android:visibility="gone"/>
28
29     <ScrollView
30         android:layout_width="match_parent"
31         android:layout_height="wrap_content"
32         android:layout_centerHorizontal="true">
33
34         <LinearLayout
35             android:layout_width="match_parent"
36             android:layout_height="wrap_content"
37             android:layout_marginBottom="80dp"
38             android:orientation="vertical">
39
40             <androidx.recyclerview.widget.RecyclerView
41                 android:id="@+id/rv_notification"
42                 android:layout_width="match_parent"
43                 android:layout_height="match_parent"
44                 android:scrollbars="vertical" />
45
46         </LinearLayout>
```

```
47
48      </ ScrollView>
49
50 </ RelativeLayout>
```

Setelah itu, kita buat file NotificationFragment.java di package fragment. Kemudian tambahkan script berikut di file tersebut.

```
1 package com.divakrishnam.actspotpembimbinginternal.fragment;
2
3
4 import android.os.Bundle;
5
6 import androidx.annotation.NonNull;
7 import androidx.annotation.Nullable;
8 import androidx.fragment.app.Fragment;
9 import androidx.recyclerview.widget.LinearLayoutManager;
10 import androidx.recyclerview.widget.RecyclerView;
11
12 import android.view.LayoutInflater;
13 import android.view.View;
14 import android.view.ViewGroup;
15 import android.widget.ProgressBar;
16 import android.widget.TextView;
17
18 import com.divakrishnam.actspotpembimbinginternal.R;
19 import com.divakrishnam.actspotpembimbinginternal.activity.
       MainActivity;
20 import com.divakrishnam.actspotpembimbinginternal.adapter.
       NotificationAdapter;
21 import com.divakrishnam.actspotpembimbinginternal.api.APIClient;
22 import com.divakrishnam.actspotpembimbinginternal.api.APIService;
23 import com.divakrishnam.actspotpembimbinginternal.model.
       ResponseNotification;
24 import com.divakrishnam.actspotpembimbinginternal.util.
       SharedPrefManager;
25
26 import retrofit2.Call;
27 import retrofit2.Callback;
28 import retrofit2.Response;
29
30 public class NotificationFragment extends Fragment {
31
32      private RecyclerView rvNotification;
33
34      private APIService mApiInterface;
35      SharedPrefManager pref;
36
37      private ProgressBar pbProgress;
38      private TextView tvError;
39
40      public NotificationFragment() {
41
42      }
43
44      @Override
```

```java
45      public View onCreateView(LayoutInflater inflater, ViewGroup
        container,
46                              Bundle savedInstanceState) {
47          ((MainActivity) getActivity()).setActionBarTitle("
        Notification");
48          return inflater.inflate(R.layout.fragment_notification,
        container, false);
49      }
50
51      @Override
52      public void onViewCreated(@NonNull View view, @Nullable Bundle
        savedInstanceState) {
53          super.onViewCreated(view, savedInstanceState);
54          pbProgress = view.findViewById(R.id.pb_progress);
55          rvNotification = view.findViewById(R.id.rv_notification);
56          tvError = view.findViewById(R.id.tv_error);
57
58          pref = SharedPrefManager.getInstance(getContext());
59          mApiInterface = APIClient.getClient().create(APIService.class
        );
60
61          showNotification();
62      }
63
64      private void showNotification() {
65          showLoading(true);
66
67          String idDosen = pref.getDosen().getIdDosen();
68
69          rvNotification.setLayoutManager(new LinearLayoutManager(
        getContext()));
70
71          Call<ResponseNotification> call = mApiInterface.
        dosenNotifikasi(idDosen);
72          call.enqueue(new Callback<ResponseNotification>() {
73              @Override
74              public void onResponse(Call<ResponseNotification> call,
        Response<ResponseNotification> response) {
75                  showLoading(false);
76                  if (response.body().getStatus().equals("200")) {
77                      NotificationAdapter notificationAdapter = new
        NotificationAdapter(getContext(), response.body().getData());
78                      rvNotification.setAdapter(notificationAdapter);
79                  } else {
80                      showMessage(true, response.body().getMessage());
81                  }
82              }
83
84              @Override
85              public void onFailure(Call<ResponseNotification> call,
        Throwable t) {
86                  showLoading(false);
87                  showMessage(true, t.getMessage());
88              }
89          });
90      }
```

```
91
92      private void showLoading(Boolean state) {
93          if (state) {
94              pbProgress.setVisibility(View.VISIBLE);
95          } else {
96              pbProgress.setVisibility(View.GONE);
97          }
98      }
99
100     private void showMessage(Boolean state, String message) {
101         if (state) {
102             tvError.setText(message);
103             tvError.setVisibility(View.VISIBLE);
104         } else {
105             tvError.setVisibility(View.GONE);
106         }
107     }
108
109 }
```

Selanjutnya kita buat file fragment_profile.xml di package layout. Kemudian tambahkan script berikut di file tersebut.

```
1  <?xml version="1.0" encoding="utf-8"?>
2  <LinearLayout xmlns:android="http://schemas.android.com/apk/res/
       android"
3      xmlns:tools="http://schemas.android.com/tools"
4      android:layout_width="match_parent"
5      android:layout_height="wrap_content"
6      android:orientation="vertical"
7      tools:context=".fragment.ProfileFragment">
8
9      <LinearLayout
10         android:layout_width="match_parent"
11         android:layout_height="wrap_content"
12         android:orientation="horizontal"
13         android:layout_marginHorizontal="10dp"
14         android:layout_marginVertical="30dp">
15
16         <de.hdodenhof.circleimageview.CircleImageView
17             android:id="@+id/img_profile"
18             android:layout_width="120dp"
19             android:layout_height="120dp"
20             android:src="@drawable/profile"/>
21
22         <TextView
23             android:id="@+id/tv_nama"
24             android:layout_width="match_parent"
25             android:layout_height="120dp"
26             android:text="Kadek Diva Krishna Murti"
27             android:textStyle="bold"
28             android:textSize="18sp"
29             android:layout_marginLeft="15dp"
30             android:gravity="center_vertical"/>
31
32     </LinearLayout>
33
```

```
34      <LinearLayout
35          android:layout_width="match_parent"
36          android:layout_height="wrap_content"
37          android:orientation="vertical"
38          android:layout_marginLeft="14dp">
39
40          <View
41              android:layout_width="match_parent"
42              android:layout_height="0.2dp"
43              android:background="#c0c0c0"/>
44
45          <TextView
46              android:id="@+id/tv_profile"
47              android:layout_width="match_parent"
48              android:layout_height="wrap_content"
49              android:text="Ubah Profile"
50              android:paddingVertical="18dp"/>
51
52          <View
53              android:layout_width="match_parent"
54              android:layout_height="0.2dp"
55              android:background="#c0c0c0"/>
56
57          <TextView
58              android:id="@+id/tv_password"
59              android:layout_width="match_parent"
60              android:layout_height="wrap_content"
61              android:text="Ubah Password"
62              android:paddingVertical="18dp"/>
63
64          <View
65              android:layout_width="match_parent"
66              android:layout_height="0.2dp"
67              android:background="#c0c0c0"/>
68          <TextView
69              android:id="@+id/tv_keluar"
70              android:layout_width="match_parent"
71              android:layout_height="wrap_content"
72              android:text="Keluar"
73              android:paddingVertical="18dp"/>
74
75          <View
76              android:layout_width="match_parent"
77              android:layout_height="0.2dp"
78              android:background="#c0c0c0"/>
79      </LinearLayout>
80
81  </LinearLayout>
```

Setelah itu, kita buat file ProfileFragment.java di package fragment. Kemudian tambahkan script berikut di file tersebut.

```
1  package com.divakrishnam.actspotpembimbinginternal.fragment;
2
3
4  import android.content.Intent;
5  import android.os.Bundle;
```

```
6
7  import androidx.annotation.NonNull;
8  import androidx.annotation.Nullable;
9  import androidx.fragment.app.Fragment;
10
11 import android.view.LayoutInflater;
12 import android.view.View;
13 import android.view.ViewGroup;
14 import android.widget.ImageView;
15 import android.widget.LinearLayout;
16 import android.widget.TextView;
17
18 import com.bumptech.glide.Glide;
19 import com.divakrishnam.actspotpembimbinginternal.R;
20 import com.divakrishnam.actspotpembimbinginternal.activity.
       LoginActivity;
21 import com.divakrishnam.actspotpembimbinginternal.activity.
       MainActivity;
22 import com.divakrishnam.actspotpembimbinginternal.activity.
       PasswordActivity;
23 import com.divakrishnam.actspotpembimbinginternal.activity.
       ProfileActivity;
24 import com.divakrishnam.actspotpembimbinginternal.util.
       SharedPrefManager;
25 import com.divakrishnam.actspotpembimbinginternal.util.Urls;
26
27 /**
28  * A simple {@link Fragment} subclass.
29  */
30 public class ProfileFragment extends Fragment implements View.
       OnClickListener {
31
32     private SharedPrefManager pref;
33     private ImageView ivProfil;
34     private TextView tvNama, tvProfil, tvPassword, tvKeluar;
35
36     public ProfileFragment() {
37         // Required empty public constructor
38     }
39
40
41     @Override
42     public View onCreateView(LayoutInflater inflater, ViewGroup
       container,
43                              Bundle savedInstanceState) {
44         ((MainActivity) getActivity()).setActionBarTitle("My Profile"
       );
45         return inflater.inflate(R.layout.fragment_profile, container,
        false);
46     }
47
48     @Override
49     public void onViewCreated(@NonNull View view, @Nullable Bundle
       savedInstanceState) {
50         super.onViewCreated(view, savedInstanceState);
51         tvKeluar = view.findViewById(R.id.tv_keluar);
```

```
52          ivProfil = view.findViewById(R.id.img_profile);
53          tvNama = view.findViewById(R.id.tv_nama);
54          tvProfil = view.findViewById(R.id.tv_profile);
55          tvPassword = view.findViewById(R.id.tv_password);
56
57          pref = SharedPrefManager.getInstance(getContext());
58
59          tvNama.setText(pref.getDosen().getNamaDosen());
60          Glide.with(this).load(Urls.IMAGE_URL+"dosen/"+pref.getDosen()
        .getFotoDosen()).error(R.drawable.profile).into(ivProfil);
61
62          tvProfil.setOnClickListener(this);
63          tvPassword.setOnClickListener(this);
64          tvKeluar.setOnClickListener(this);
65      }
66
67      @Override
68      public void onResume() {
69          super.onResume();
70          tvNama.setText(pref.getDosen().getNamaDosen());
71          Glide.with(this).load(Urls.IMAGE_URL+"dosen/"+pref.getDosen()
        .getFotoDosen()).error(R.drawable.profile).into(ivProfil);
72      }
73
74      @Override
75      public void onClick(View view) {
76          if (view == tvProfil){
77              Intent intent = new Intent(getContext(), ProfileActivity.
        class);
78              startActivity(intent);
79          }else if (view == tvPassword){
80              Intent intent = new Intent(getContext(), PasswordActivity
        .class);
81              startActivity(intent);
82          }else if (view == tvKeluar){
83              pref.logout();
84              getActivity().finish();
85              startActivity(new Intent(getContext(), LoginActivity.
        class));
86          }
87      }
88 }
```

Selanjutnya kita buat file fragment_mahasiswa.xml di package layout. Kemudian tambahkan script berikut di file tersebut.

```
1  <RelativeLayout xmlns:android="http://schemas.android.com/apk/res/
        android"
2      xmlns:tools="http://schemas.android.com/tools"
3      android:layout_width="match_parent"
4      android:layout_height="match_parent"
5      tools:context=".fragment.MahasiswaFragment">
6
7      <ProgressBar
8          android:id="@+id/pb_progress"
9          style="?android:attr/progressBarStyle"
10         android:layout_width="wrap_content"
```

```
11          android:layout_height="wrap_content"
12          android:layout_centerHorizontal="true"
13          android:layout_centerVertical="true"
14          android:maxWidth="30dp"
15          android:maxHeight="30dp"
16          android:minWidth="30dp"
17          android:minHeight="30dp"
18          android:visibility="gone"  />
19
20      <TextView
21          android:id="@+id/tv_error"
22          android:layout_width="wrap_content"
23          android:layout_height="wrap_content"
24          android:layout_centerHorizontal="true"
25          android:layout_centerVertical="true"
26          android:text="Gagal memuat data"
27          android:visibility="gone"/>
28
29      <ScrollView
30          android:layout_width="match_parent"
31          android:layout_height="wrap_content"
32          android:layout_centerHorizontal="true">
33
34          <LinearLayout
35              android:layout_width="match_parent"
36              android:layout_height="wrap_content"
37              android:orientation="vertical"
38              android:paddingBottom="60dp">
39
40              <androidx.recyclerview.widget.RecyclerView
41                  android:id="@+id/rv_mahasiswa"
42                  android:layout_width="match_parent"
43                  android:layout_height="match_parent"
44                  android:scrollbars="vertical"  />
45
46          </LinearLayout>
47
48      </ScrollView>
49
50  </RelativeLayout>
```

Setelah itu, kita buat file MahasiswaFragment.java di package fragment. Kemudian tambahkan script berikut di file tersebut.

```
1   package com.divakrishnam.actspotpembimbinginternal.fragment;
2
3
4   import android.os.Bundle;
5
6   import androidx.annotation.NonNull;
7   import androidx.annotation.Nullable;
8   import androidx.fragment.app.Fragment;
9   import androidx.recyclerview.widget.LinearLayoutManager;
10  import androidx.recyclerview.widget.RecyclerView;
11
12  import android.view.LayoutInflater;
13  import android.view.View;
```

```
14  import android.view.ViewGroup;
15  import android.widget.ImageView;
16  import android.widget.ProgressBar;
17  import android.widget.TextView;
18
19  import com.divakrishnam.actspotpembimbinginternal.R;
20  import com.divakrishnam.actspotpembimbinginternal.activity.
        MainActivity;
21  import com.divakrishnam.actspotpembimbinginternal.adapter.
        MahasiswaAdapter;
22  import com.divakrishnam.actspotpembimbinginternal.api.APIClient;
23  import com.divakrishnam.actspotpembimbinginternal.api.APIService;
24  import com.divakrishnam.actspotpembimbinginternal.model.
        ResponseMahasiswa;
25  import com.divakrishnam.actspotpembimbinginternal.util.
        SharedPrefManager;
26
27  import retrofit2.Call;
28  import retrofit2.Callback;
29  import retrofit2.Response;
30
31  public class MahasiswaFragment extends Fragment {
32
33      private RecyclerView rvProgress;
34      private RecyclerView.LayoutManager mLayoutManager;
35
36      private APIService mApiInterface;
37      SharedPrefManager pref;
38
39      private ProgressBar pbProgress;
40      private TextView tvError;
41
42      public MahasiswaFragment() {
43      }
44
45
46      @Override
47      public View onCreateView(LayoutInflater inflater, ViewGroup
        container,
48                                Bundle savedInstanceState) {
49          ((MainActivity) getActivity()).setActionBarTitle("My
        Mahasiswa");
50          return inflater.inflate(R.layout.fragment_mahasiswa,
        container, false);
51      }
52
53      @Override
54      public void onViewCreated(@NonNull View view, @Nullable Bundle
        savedInstanceState) {
55          super.onViewCreated(view, savedInstanceState);
56
57          pbProgress = view.findViewById(R.id.pb_progress);
58          rvProgress = view.findViewById(R.id.rv_mahasiswa);
59          tvError = view.findViewById(R.id.tv_error);
60
61          pref = SharedPrefManager.getInstance(getContext());
```

```
62          mApiInterface = APIClient.getClient().create(APIService.class
     );

63
64          showProgress();
65      }

66
67      private void showProgress() {
68          showLoading(true);
69          String idMahasiswa = pref.getDosen().getIdDosen();

70
71          rvProgress.setLayoutManager(new LinearLayoutManager(
     getContext()));

72
73          Call<ResponseMahasiswa> call = mApiInterface.dosenMahasiswa(
     idMahasiswa);
74          call.enqueue(new Callback<ResponseMahasiswa>() {
75              @Override
76              public void onResponse(Call<ResponseMahasiswa> call,
     Response<ResponseMahasiswa> response) {
77                  showLoading(false);
78                  if (response.body().getStatus().equals("200")){
79                      MahasiswaAdapter progressAdapter = new
     MahasiswaAdapter(getContext(), response.body().getData());
80                      rvProgress.setAdapter(progressAdapter);
81                  }else{
82                      showMessage(true, response.body().getMessage());
83                  }
84              }

85
86              @Override
87              public void onFailure(Call<ResponseMahasiswa> call,
     Throwable t) {
88                  showLoading(false);
89                  showMessage(true, t.getMessage());
90              }
91          });
92      }

93
94      private void showLoading(Boolean state) {
95          if (state) {
96              pbProgress.setVisibility(View.VISIBLE);
97          } else {
98              pbProgress.setVisibility(View.GONE);
99          }
100     }

101
102     private void showMessage(Boolean state, String message) {
103         if (state) {
104             tvError.setText(message);
105             tvError.setVisibility(View.VISIBLE);
106         } else {
107             tvError.setVisibility(View.GONE);
108         }
109     }
110 }
```

Selanjutnya tambahkan script berikut di file tersebut pada file AndroidManifest.xml

```
1  <?xml version="1.0" encoding="utf-8"?>
2  <manifest xmlns:android="http://schemas.android.com/apk/res/android"
3      xmlns:dist="http://schemas.android.com/apk/distribution"
4      package="com.divakrishnam.actspotpembimbinginternal">
5
6      <uses-feature
7          android:name="android.hardware.camera.any"
8          android:required="true" />
9      <uses-feature
10         android:name="android.hardware.camera.autofocus"
11         android:required="false" />
12
13     <uses-permission android:name="android.permission.CAMERA" />
14
15     <dist:module dist:instant="true" />
16
17     <uses-permission android:name="android.permission.
       ACCESS_COARSE_LOCATION" />
18     <uses-permission android:name="android.permission.
       ACCESS_FINE_LOCATION" />
19     <uses-permission android:name="android.permission.INTERNET" />
20     <uses-permission android:name="android.permission.
       WRITE_EXTERNAL_STORAGE" />
21     <uses-permission android:name="android.permission.
       READ_EXTERNAL_STORAGE" />
22     <uses-permission android:name="android.permission.
       READ_PHONE_STATE" />
23
24     <application
25         android:allowBackup="true"
26         android:icon="@mipmap/ic_launcher"
27         android:label="@string/app_name"
28         android:roundIcon="@mipmap/ic_launcher_round"
29         android:supportsRtl="true"
30         android:theme="@style/AppTheme">
31         <activity android:name=".activity.ProfileActivity"
32             android:parentActivityName=".activity.MainActivity"></
       activity>
33         <activity android:name=".activity.PasswordActivity"
34             android:parentActivityName=".activity.ProfileActivity"></
       activity>
35         <activity android:name=".activity.TextActivity"
36             android:parentActivityName=".activity.ProfileActivity"></
       activity>
37         <activity android:name=".activity.DetailProgressActivity"
38             android:parentActivityName=".activity.MainActivity"/>
39         <activity android:name=".activity.ProgressActivity"
40             android:parentActivityName=".activity.MainActivity" />
41         <activity android:name=".activity.LoginActivity" />
42         <activity android:name=".activity.MainActivity">
43             <intent-filter>
44                 <action android:name="android.intent.action.MAIN" />
45
46                 <category android:name="android.intent.category.
       LAUNCHER" />
47             </intent-filter>
```

```
48          </ activity>
49          <activity
50              android:name="com. theartofdev . edmodo . cropper .
        CropImageActivity"
51              android:theme=" @style / Base . Theme . AppCompat" />
52      </ application>
53
54  </ manifest>
```

4.1.3.3 *Pembimbing Eksternal* Selanjutnya kita akan membuat aplikasi Android untuk pembimbing eksternal (pembimbing perusahaan) menggunakan Android Studio. Jadi pastikan sebelumnya anda telah menginstall Android Studio. Pertama kita sesuaikan build.gradlenya menjadi seperti ini.

```
1  // Top−level build file where you can add configuration options
        common to all sub−projects / modules .
2
3  buildscript {
4      repositories {
5          google ()
6          jcenter ()
7
8      }
9      dependencies {
10          classpath 'com. android . tools . build : gradle : 3.5.2 '
11
12          // NOTE: Do not place your application dependencies here ;
        they belong
13          // in the individual module build . gradle files
14      }
15  }
16
17  allprojects {
18      repositories {
19          google ()
20          jcenter ()
21          maven { url 'https :// jitpack . io ' }
22          mavenCentral ()
23          maven { url 'https :// mapbox . bintray .com/mapbox ' }
24      }
25  }
26
27  task clean(type: Delete ) {
28      delete rootProject . buildDir
29  }
```

Kemudian kita sesuaikan build.gradle kedua menjadi seperti ini.

```
1  apply plugin : 'com. android . application '
2
3  android {
4      compileSdkVersion 29
5      buildToolsVersion "29.0.2"
6      defaultConfig {
7          applicationId "com. divakrishnam . actspotpembimbingeksternal"
8          minSdkVersion 19
```

```
9            targetSdkVersion 29
10           versionCode 1
11           versionName "1.0"
12           testInstrumentationRunner "androidx.test.runner.
     AndroidJUnitRunner"
13       }
14       buildTypes {
15           release {
16               minifyEnabled false
17               proguardFiles getDefaultProguardFile('proguard-android-
     optimize.txt'), 'proguard-rules.pro'
18           }
19       }
20       compileOptions {
21           sourceCompatibility JavaVersion.VERSION_1_8
22           targetCompatibility JavaVersion.VERSION_1_8
23       }
24   }
25
26   dependencies {
27       implementation fileTree(dir: 'libs', include: ['*.jar'])
28       implementation 'androidx.appcompat:appcompat:1.1.0'
29       implementation 'androidx.constraintlayout:constraintlayout:1.1.3'
30       implementation 'androidx.legacy:legacy-support-v4:1.0.0'
31
32       implementation 'com.google.android.material:material:1.0.0'
33       implementation 'androidx.vectordrawable:vectordrawable:1.1.0'
34       implementation 'androidx.navigation:navigation-fragment:2.1.0'
35       implementation 'androidx.navigation:navigation-ui:2.1.0'
36       implementation 'androidx.lifecycle:lifecycle-extensions:2.1.0'
37       implementation 'androidx.legacy:legacy-support-v4:1.0.0'
38       implementation 'com.jakewharton:butterknife:8.4.0'
39       annotationProcessor 'com.jakewharton:butterknife-compiler:8.4.0'
40       implementation 'com.squareup.retrofit2:retrofit:2.4.0'
41       implementation 'com.squareup.retrofit2:converter-gson:2.4.0'
42       implementation 'de.hdodenhof:circleimageview:3.0.1'
43       implementation 'com.github.bumptech.glide:glide:4.10.0'
44       annotationProcessor 'com.github.bumptech.glide:compiler:4.10.0'
45       implementation 'com.google.android.gms:play-services-maps:17.0.0'
46       //implementation 'com.google.android.material:material:1.2.0-
     alpha02'
47
48       implementation 'com.mapbox.mapboxsdk:mapbox-sdk-services:4.8.0'
49       implementation 'com.mapbox.mapboxsdk:mapbox-android-sdk:8.0.0'
50       implementation 'com.mapbox.mapboxsdk:mapbox-android-plugin-
     locationlayer:0.5.0'
51       implementation 'com.mapbox.mapboxsdk:mapbox-android-plugin-places
     -v7:0.7.0'
52       implementation('com.mapbox.mapboxsdk:mapbox-android-geocoder
     :1.0.0@aar') {
53           transitive = true
54       }
55       implementation 'com.mapbox.mapboxsdk:mapbox-android-plugin-
     annotation-v7:0.4.0'
56       implementation 'com.mapbox.mapboxsdk:mapbox-android-plugin-
     markerview-v7:0.2.0'
```

```
57    implementation 'com.mapbox.mapboxsdk:mapbox-android-plugin-
      localization-v7:0.9.0'
58    implementation 'com.mapbox.mapboxsdk:mapbox-android-plugin-
      markerview-v7:0.2.0'
59    implementation 'com.mapbox.mapboxsdk:mapbox-sdk-turf:4.8.0'
60
61    implementation 'com.theartofdev.edmodo:android-image-cropper
      :2.8.0'
62    implementation 'com.github.jkwiecien:EasyImage:1.3.1'
63    implementation 'id.zelory:compressor:2.1.0'
64
65    testImplementation 'junit:junit:4.12'
66    androidTestImplementation 'androidx.test.ext:junit:1.1.1'
67    androidTestImplementation 'androidx.test.espresso:espresso-core
      :3.2.0'
68 }
```

Selanjutnya kita buat file model ConfirmAbsence.java di package model. Kemudian tambahkan script berikut di file tersebut.

```
1  package com.divakrishnam.actspotpembimbingeksternal.model;
2
3  import com.google.gson.annotations.SerializedName;
4
5  public class ConfirmAbsence {
6      @SerializedName("id_absensi")
7      private String idAbsensi;
8      @SerializedName("id_intern")
9      private String idIntern;
10     @SerializedName("id_mahasiswa")
11     private String idMahasiswa;
12     @SerializedName("nama_mahasiswa")
13     private String namaMahasiswa;
14     @SerializedName("foto_mahasiswa")
15     private String fotoMahasiswa;
16     @SerializedName("kontak_mahasiswa")
17     private String kontakMahasiswa;
18     @SerializedName("nama_prodi")
19     private String namaProdi;
20     @SerializedName("kegiatan")
21     private String kegiatan;
22     @SerializedName("tgl_waktu")
23     private String tglWaktu;
24     @SerializedName("id_dosen")
25     private String idDosen;
26
27     public ConfirmAbsence(String idAbsensi, String idIntern, String
        idMahasiswa, String namaMahasiswa, String fotoMahasiswa, String
        kontakMahasiswa, String namaProdi, String kegiatan, String
        tglWaktu, String idDosen) {
28         this.idAbsensi = idAbsensi;
29         this.idIntern = idIntern;
30         this.idMahasiswa = idMahasiswa;
31         this.namaMahasiswa = namaMahasiswa;
32         this.fotoMahasiswa = fotoMahasiswa;
33         this.kontakMahasiswa = kontakMahasiswa;
34         this.namaProdi = namaProdi;
```

```
35          this . kegiatan = kegiatan ;
36          this . tglWaktu = tglWaktu ;
37          this . idDosen = idDosen ;
38      }
39
40      public String getIdAbsensi ( ) {
41          return idAbsensi ;
42      }
43
44      public String getIdIntern ( ) {
45          return idIntern ;
46      }
47
48      public String getIdMahasiswa ( ) {
49          return idMahasiswa ;
50      }
51
52      public String getNamaMahasiswa ( ) {
53          return namaMahasiswa ;
54      }
55
56      public String getFotoMahasiswa ( ) {
57          return fotoMahasiswa ;
58      }
59
60      public String getKontakMahasiswa ( ) {
61          return kontakMahasiswa ;
62      }
63
64      public String getNamaProdi ( ) {
65          return namaProdi ;
66      }
67
68      public String getKegiatan ( ) {
69          return kegiatan ;
70      }
71
72      public String getTglWaktu ( ) {
73          return tglWaktu ;
74      }
75
76      public String getIdDosen ( ) {
77          return idDosen ;
78      }
79 }
```

Setelah itu, kita buat file model ConfirmMahasiswa.java di package model. Kemudian tambahkan script berikut di file tersebut.

```
1 package com . divakrishnam . actspotpembimbingeksternal . model ;
2
3 import com . google . gson . annotations . SerializedName ;
4
5 public class ConfirmMahasiswa {
6      @SerializedName ( "id_intern" )
7      private String idIntern ;
8      @SerializedName ( "id_mahasiswa" )
```

```
9       private String idMahasiswa;
10      @SerializedName("nama_mahasiswa")
11      private String namaMahasiswa;
12      @SerializedName("foto_mahasiswa")
13      private String fotoMahasiswa;
14      @SerializedName("kontak_mahasiswa")
15      private String kontakMahasiswa;
16      @SerializedName("nama_prodi")
17      private String namaProdi;
18      @SerializedName("id_dosen")
19      private String idDosen;
20
21      public ConfirmMahasiswa(String idIntern, String idMahasiswa,
        String namaMahasiswa, String fotoMahasiswa, String
        kontakMahasiswa, String namaProdi, String idDosen) {
22          this.idIntern = idIntern;
23          this.idMahasiswa = idMahasiswa;
24          this.namaMahasiswa = namaMahasiswa;
25          this.fotoMahasiswa = fotoMahasiswa;
26          this.kontakMahasiswa = kontakMahasiswa;
27          this.namaProdi = namaProdi;
28          this.idDosen = idDosen;
29      }
30
31      public String getIdIntern() {
32          return idIntern;
33      }
34
35      public String getIdMahasiswa() {
36          return idMahasiswa;
37      }
38
39      public String getNamaMahasiswa() {
40          return namaMahasiswa;
41      }
42
43      public Object getFotoMahasiswa() {
44          return fotoMahasiswa;
45      }
46
47      public String getKontakMahasiswa() {
48          return kontakMahasiswa;
49      }
50
51      public String getNamaProdi() {
52          return namaProdi;
53      }
54
55      public String getIdDosen() {
56          return idDosen;
57      }
58 }
```

Selanjutnya kita buat file model Login.java di package model. Kemudian tambahkan script berikut di file tersebut.

```
1 package com.divakrishnam.actspotpembimbingeksternal.model;
```

```java
2
3  import com.google.gson.annotations.SerializedName;
4
5  public class Login {
6      @SerializedName("username")
7      private String username;
8      @SerializedName("password")
9      private String password;
10     @SerializedName("id_pembimbing")
11     private String idPembimbing;
12     @SerializedName("nama_pembimbing")
13     private String namaPembimbing;
14     @SerializedName("nama_perusahaan")
15     private String namaPerusahaan;
16     @SerializedName("foto_pembimbing")
17     private String fotoPembimbing;
18     @SerializedName("kontak_pembimbing")
19     private String kontakPembimbing;
20
21     public Login(String username, String password, String
       idPembimbing, String namaPembimbing, String namaPerusahaan,
       String fotoPembimbing, String kontakPembimbing) {
22         this.username = username;
23         this.password = password;
24         this.idPembimbing = idPembimbing;
25         this.namaPembimbing = namaPembimbing;
26         this.namaPerusahaan = namaPerusahaan;
27         this.fotoPembimbing = fotoPembimbing;
28         this.kontakPembimbing = kontakPembimbing;
29     }
30
31     public String getUsername() {
32         return username;
33     }
34
35     public String getPassword() {
36         return password;
37     }
38
39     public String getIdPembimbing() {
40         return idPembimbing;
41     }
42
43     public String getNamaPembimbing() {
44         return namaPembimbing;
45     }
46
47     public String getNamaPerusahaan() {
48         return namaPerusahaan;
49     }
50
51     public String getFotoPembimbing() {
52         return fotoPembimbing;
53     }
54
55     public String getKontakPembimbing() {
```

```
56          return kontakPembimbing;
57     }
58
59     public void setUsername(String username) {
60          this.username = username;
61     }
62
63     public void setPassword(String password) {
64          this.password = password;
65     }
66
67     public void setIdPembimbing(String idPembimbing) {
68          this.idPembimbing = idPembimbing;
69     }
70
71     public void setNamaPembimbing(String namaPembimbing) {
72          this.namaPembimbing = namaPembimbing;
73     }
74
75     public void setNamaPerusahaan(String namaPerusahaan) {
76          this.namaPerusahaan = namaPerusahaan;
77     }
78
79     public void setFotoPembimbing(String fotoPembimbing) {
80          this.fotoPembimbing = fotoPembimbing;
81     }
82
83     public void setKontakPembimbing(String kontakPembimbing) {
84          this.kontakPembimbing = kontakPembimbing;
85     }
86 }
```

Setelah itu, kita buat file model Mahasiswa.java di package model. Kemudian tambahkan script berikut di file tersebut.

```
1  package com.divakrishnam.actspotpembimbingeksternal.model;
2
3  import android.os.Parcel;
4  import android.os.Parcelable;
5
6  import com.google.gson.annotations.SerializedName;
7
8  public class Mahasiswa implements Parcelable {
9      @SerializedName("id_intern")
10     private String idIntern;
11     @SerializedName("id_mahasiswa")
12     private String idMahasiswa;
13     @SerializedName("nama_mahasiswa")
14     private String namaMahasiswa;
15     @SerializedName("foto_mahasiswa")
16     private String fotoMahasiswa;
17     @SerializedName("kontak_mahasiswa")
18     private String kontakMahasiswa;
19     @SerializedName("nama_prodi")
20     private String namaProdi;
21     @SerializedName("angkatan_mahasiswa")
22     private String angkatanMahasiswa;
```

```java
23
24      public Mahasiswa(String idIntern, String idMahasiswa, String
        namaMahasiswa, String fotoMahasiswa, String kontakMahasiswa,
        String namaProdi, String angkatanMahasiswa) {
25          this.idIntern = idIntern;
26          this.idMahasiswa = idMahasiswa;
27          this.namaMahasiswa = namaMahasiswa;
28          this.fotoMahasiswa = fotoMahasiswa;
29          this.kontakMahasiswa = kontakMahasiswa;
30          this.namaProdi = namaProdi;
31          this.angkatanMahasiswa = angkatanMahasiswa;
32      }
33
34      public String getIdIntern() {
35          return idIntern;
36      }
37
38      public String getIdMahasiswa() {
39          return idMahasiswa;
40      }
41
42      public String getNamaMahasiswa() {
43          return namaMahasiswa;
44      }
45
46      public String getFotoMahasiswa() {
47          return fotoMahasiswa;
48      }
49
50      public String getKontakMahasiswa() {
51          return kontakMahasiswa;
52      }
53
54      public String getNamaProdi() {
55          return namaProdi;
56      }
57
58      public String getAngkatanMahasiswa() {
59          return angkatanMahasiswa;
60      }
61
62      @Override
63      public int describeContents() {
64          return 0;
65      }
66
67      @Override
68      public void writeToParcel(Parcel dest, int flags) {
69          dest.writeString(this.idIntern);
70          dest.writeString(this.idMahasiswa);
71          dest.writeString(this.namaMahasiswa);
72          dest.writeString(this.fotoMahasiswa);
73          dest.writeString(this.kontakMahasiswa);
74          dest.writeString(this.namaProdi);
75          dest.writeString(this.angkatanMahasiswa);
76      }
```

```
77
78        protected Mahasiswa(Parcel in) {
79            this.idIntern = in.readString();
80            this.idMahasiswa = in.readString();
81            this.namaMahasiswa = in.readString();
82            this.fotoMahasiswa = in.readString();
83            this.kontakMahasiswa = in.readString();
84            this.namaProdi = in.readString();
85            this.angkatanMahasiswa = in.readString();
86        }
87
88        public static final Parcelable.Creator<Mahasiswa> CREATOR = new
          Parcelable.Creator<Mahasiswa>() {
89            @Override
90            public Mahasiswa createFromParcel(Parcel source) {
91                return new Mahasiswa(source);
92            }
93
94            @Override
95            public Mahasiswa[] newArray(int size) {
96                return new Mahasiswa[size];
97            }
98        };
99 }
```

Selanjutnya kita buat file model Notification.java di package model. Kemudian tambahkan script berikut di file tersebut.

```
1 package com.divakrishnam.actspotpembimbingeksternal.model;
2
3 import com.google.gson.annotations.SerializedName;
4
5 public class Notification {
6        @SerializedName("id_intern")
7        private String idIntern;
8        @SerializedName("pesan")
9        private String pesan;
10       @SerializedName("tgl_waktu")
11       private String tglWaktu;
12
13       public Notification(String idIntern, String pesan, String
          tglWaktu) {
14           this.idIntern = idIntern;
15           this.pesan = pesan;
16           this.tglWaktu = tglWaktu;
17       }
18
19       public String getIdIntern() {
20           return idIntern;
21       }
22
23       public String getPesan() {
24           return pesan;
25       }
26
27       public String getTglWaktu() {
28           return tglWaktu;
```

```
29        }
30 }
```

Setelah itu, kita buat file model ResponseConfirmAbsence.java di package model. Kemudian tambahkan script berikut di file tersebut.

```
1 package com.divakrishnam.actspotpembimbingeksternal.model;
2
3 import com.google.gson.annotations.SerializedName;
4
5 import java.util.List;
6
7 public class ResponseConfirmAbsence {
8      @SerializedName("status")
9      private String status;
10     @SerializedName("message")
11     private String message;
12     @SerializedName("data")
13     private List<ConfirmAbsence> data;
14
15     public ResponseConfirmAbsence(String status, String message, List
       <ConfirmAbsence> data) {
16         this.status = status;
17         this.message = message;
18         this.data = data;
19     }
20
21     public String getStatus() {
22         return status;
23     }
24
25     public String getMessage() {
26         return message;
27     }
28
29     public List<ConfirmAbsence> getData() {
30         return data;
31     }
32 }
```

Selanjutnya kita buat file model ResponseConfirmMahasiswa.java di package model. Kemudian tambahkan script berikut di file tersebut.

```
1 package com.divakrishnam.actspotpembimbingeksternal.model;
2
3 import com.google.gson.annotations.SerializedName;
4
5 import java.util.List;
6
7 public class ResponseConfirmMahasiswa {
8      @SerializedName("status")
9      private String status;
10     @SerializedName("message")
11     private String message;
12     @SerializedName("data")
13     private List<ConfirmMahasiswa> data;
14
```

```
15    public ResponseConfirmMahasiswa(String status, String message,
      List<ConfirmMahasiswa> data) {
16        this.status = status;
17        this.message = message;
18        this.data = data;
19    }
20
21    public String getStatus() {
22        return status;
23    }
24
25    public String getMessage() {
26        return message;
27    }
28
29    public List<ConfirmMahasiswa> getData() {
30        return data;
31    }
32 }
```

Setelah itu, kita buat file model ResponseInfo.java di package model. Kemudian tambahkan script berikut di file tersebut.

```
1  package com.divakrishnam.actspotpembimbingeksternal.model;
2
3  import com.google.gson.annotations.SerializedName;
4
5  public class ResponseInfo {
6      @SerializedName("status")
7      private String status;
8      @SerializedName("message")
9      private String message;
10
11     public ResponseInfo(String status, String message) {
12         this.status = status;
13         this.message = message;
14     }
15
16     public String getStatus() {
17         return status;
18     }
19
20     public String getMessage() {
21         return message;
22     }
23 }
```

Selanjutnya kita buat file model ResponseLogin.java di package model. Kemudian tambahkan script berikut di file tersebut.

```
1  package com.divakrishnam.actspotpembimbingeksternal.model;
2
3  import com.google.gson.annotations.SerializedName;
4
5  public class ResponseLogin {
6      @SerializedName("status")
7      private String status;
```

```java
8        @SerializedName("message")
9        private String message;
10       @SerializedName("data")
11       private Login data;
12
13       public ResponseLogin(String status, String message, Login data) {
14           this.status = status;
15           this.message = message;
16           this.data = data;
17       }
18
19       public String getStatus() {
20           return status;
21       }
22
23       public String getMessage() {
24           return message;
25       }
26
27       public Login getData() {
28           return data;
29       }
30  }
```

Setelah itu, kita buat file model ResponseNotification.java di package model. Kemudian tambahkan script berikut di file tersebut.

```java
1   package com.divakrishnam.actspotpembimbingeksternal.model;
2
3   import com.google.gson.annotations.SerializedName;
4
5   import java.util.List;
6
7   public class ResponseNotification {
8        @SerializedName("status")
9        private String status;
10       @SerializedName("message")
11       private String message;
12       @SerializedName("data")
13       private List<Notification> data;
14
15       public ResponseNotification(String status, String message, List<
         Notification> data) {
16           this.status = status;
17           this.message = message;
18           this.data = data;
19       }
20
21       public String getStatus() {
22           return status;
23       }
24
25       public String getMessage() {
26           return message;
27       }
28
29       public List<Notification> getData() {
```

```
30        return data;
31    }
32 }
```

Selanjutnya kita buat file model ResponseMahasiswa.java di package model. Kemudian tambahkan script berikut di file tersebut.

```
1  package com.divakrishnam.actspotpembimbingeksternal.model;
2
3  import com.google.gson.annotations.SerializedName;
4
5  import java.util.List;
6
7  public class ResponseMahasiswa {
8      @SerializedName("status")
9      private String status;
10     @SerializedName("message")
11     private String message;
12     @SerializedName("data")
13     private List<Mahasiswa> data;
14
15     public ResponseMahasiswa(String status, String message, List<
       Mahasiswa> data) {
16         this.status = status;
17         this.message = message;
18         this.data = data;
19     }
20
21     public String getStatus() {
22         return status;
23     }
24
25     public String getMessage() {
26         return message;
27     }
28
29     public List<Mahasiswa> getData() {
30         return data;
31     }
32 }
```

Setelah itu, kita buat file SharedPrefManager.java di package util. Kemudian tambahkan script berikut di file tersebut.

```
1  package com.divakrishnam.actspotpembimbingeksternal.util;
2
3  import android.content.Context;
4  import android.content.SharedPreferences;
5
6  import com.divakrishnam.actspotpembimbingeksternal.model.Login;
7
8  public class SharedPrefManager {
9
10     private SharedPreferences pref;
11     private SharedPreferences.Editor editor;
12     private static SharedPrefManager mInstance;
13     private static Context mContext;
```

```
14
15      private static final String SHARED_PREF_NAME = "
        actspotpembimbingeksternal";
16
17      private static final String KEY_USERNAME = "keyusername";
18      private static final String KEY_PASSWORD = "keypassword";
19      private static final String KEY_IDPEMBIMBING = "keyidpembimbing";
20      private static final String KEY_NAMA = "keynama";
21      private static final String KEY_PERUSAHAAN = "keyperusahaan";
22      private static final String KEY_FOTO = "keyfoto";
23      private static final String KEY_KONTAK = "keykontak";
24
25      private SharedPrefManager(Context context){
26          mContext = context;
27          pref = context.getSharedPreferences(SHARED_PREF_NAME, Context
        .MODE_PRIVATE);
28          editor = pref.edit();
29      }
30
31      public static synchronized SharedPrefManager getInstance(Context
        context) {
32          if (mInstance == null) {
33              mInstance = new SharedPrefManager(context);
34          }
35          return mInstance;
36      }
37
38      public void pembimbingLogin(Login login){
39          editor.putString(KEY_USERNAME, login.getUsername());
40          editor.putString(KEY_PASSWORD, login.getPassword());
41          editor.putString(KEY_IDPEMBIMBING, login.getIdPembimbing());
42          editor.putString(KEY_NAMA, login.getNamaPembimbing());
43          editor.putString(KEY_PERUSAHAAN, login.getNamaPerusahaan());
44          editor.putString(KEY_FOTO, login.getFotoPembimbing());
45          editor.putString(KEY_KONTAK, login.getKontakPembimbing());
46          editor.apply();
47      }
48
49      public boolean isLoggedIn(){
50          return pref.getString(KEY_IDPEMBIMBING, null) != null;
51      }
52
53      public Login getPembimbing(){
54          return new Login(
55                  pref.getString(KEY_USERNAME, null),
56                  pref.getString(KEY_PASSWORD, null),
57                  pref.getString(KEY_IDPEMBIMBING, null),
58                  pref.getString(KEY_NAMA, null),
59                  pref.getString(KEY_PERUSAHAAN, null),
60                  pref.getString(KEY_FOTO, null),
61                  pref.getString(KEY_KONTAK, null)
62          );
63      }
64
65
66
```

```
67      public void logout(){
68          editor.clear();
69          editor.apply();
70      }
71 }
```

Selanjutnya kita buat file Urls.java di package util. Kemudian tambahkan script berikut di file tersebut.

```
1 package com.divakrishnam.actspotpembimbingeksternal.util;
2
3 public class Urls {
4     public static final String API_URL = "http://actspot.
      himatifpolpos.my.id/";
5     public static final String IMAGE_URL = "http://actspot.
      himatifpolpos.my.id/images/";
6 }
```

Setelah itu, kita buat file APIClient.java di package api. Kemudian tambahkan script berikut di file tersebut.

```
1 package com.divakrishnam.actspotpembimbingeksternal.api;
2
3 import com.divakrishnam.actspotpembimbingeksternal.util.Urls;
4
5 import retrofit2.Retrofit;
6 import retrofit2.converter.gson.GsonConverterFactory;
7
8 public class APIClient {
9     private static Retrofit retrofit = null;
10
11     public static Retrofit getClient() {
12         if (retrofit==null) {
13             retrofit = new Retrofit.Builder()
14                     .baseUrl(Urls.API_URL)
15                     .addConverterFactory(GsonConverterFactory.create
      ())
16                     .build();
17         }
18         return retrofit;
19     }
20 }
```

Selanjutnya kita buat file APIService.java di package api. Kemudian tambahkan script berikut di file tersebut.

```
1 package com.divakrishnam.actspotpembimbingeksternal.api;
2
3 import com.divakrishnam.actspotpembimbingeksternal.model.
      ResponseConfirmAbsence;
4 import com.divakrishnam.actspotpembimbingeksternal.model.
      ResponseConfirmMahasiswa;
5 import com.divakrishnam.actspotpembimbingeksternal.model.ResponseInfo
      ;
6 import com.divakrishnam.actspotpembimbingeksternal.model.
      ResponseLogin;
7 import com.divakrishnam.actspotpembimbingeksternal.model.
      ResponseMahasiswa;
```

```java
8  import com.divakrishnam.actspotpembimbingeksternal.model.
       ResponseNotification;
9
10 import okhttp3.MultipartBody;
11 import okhttp3.RequestBody;
12 import retrofit2.Call;
13 import retrofit2.http.Field;
14 import retrofit2.http.FormUrlEncoded;
15 import retrofit2.http.Multipart;
16 import retrofit2.http.POST;
17 import retrofit2.http.Part;
18
19 public interface APIService {
20     @FormUrlEncoded
21     @POST("pembimbing/pembimbing_login.php")
22     Call<ResponseLogin> pembimbingLogin(
23             @Field("username") String username,
24             @Field("password") String password
25     );
26
27     @FormUrlEncoded
28     @POST("pembimbing/pembimbing_registrasi.php")
29     Call<ResponseInfo> pembimbingRegistrasi(
30             @Field("nama_pembimbing") String nama_pembimbing,
31             @Field("kontak_pembimbing") String kontak_pembimbing,
32             @Field("nama_perusahaan") String nama_perusahaan,
33             @Field("username") String username,
34             @Field("password") String password,
35             @Field("latitude_perusahaan") String latitude_perusahaan,
36             @Field("longitude_perusahaan") String
       longitude_perusahaan
37     );
38
39     // List
40
41     @FormUrlEncoded
42     @POST("pembimbing/pembimbing_notifikasi.php")
43     Call<ResponseNotification> pembimbingListNotifikasi(
44             @Field("id_pembimbing") String id_pembimbing
45     );
46
47     @FormUrlEncoded
48     @POST("pembimbing/pembimbing_mahasiswa.php")
49     Call<ResponseMahasiswa> pembimbingListMahasiswa(
50             @Field("id_pembimbing") String id_pembimbing
51     );
52
53     @FormUrlEncoded
54     @POST("pembimbing/pembimbing_list_konfirm_absensi.php")
55     Call<ResponseConfirmAbsence> pembimbingListKonfirmAbsensi(
56             @Field("id_pembimbing") String id_pembimbing
57     );
58
59     @FormUrlEncoded
60     @POST("pembimbing/pembimbing_list_konfirm_mahasiswa.php")
61     Call<ResponseConfirmMahasiswa> pembimbingListKonfirmMahasiswa(
```

```
62              @Field("id_pembimbing") String id_pembimbing
63      );
64
65      // Acc
66
67      @FormUrlEncoded
68      @POST("pembimbing/pembimbing_konfirm_mahasiswa.php")
69      Call<ResponseInfo> pembimbingKonfirmMahasiswa(
70              @Field("id_pembimbing") String id_pembimbing,
71              @Field("id_mahasiswa") String id_mahasiswa,
72              @Field("id_intern") String id_intern,
73              @Field("id_dosen") String id_dosen
74      );
75
76      @FormUrlEncoded
77      @POST("pembimbing/pembimbing_konfirm_absensi.php")
78      Call<ResponseInfo> pembimbingKonfirmAbsensi(
79              @Field("id_pembimbing") String id_pembimbing,
80              @Field("id_mahasiswa") String id_mahasiswa,
81              @Field("id_intern") String id_intern,
82              @Field("id_dosen") String id_dosen,
83              @Field("id_absensi") String id_absensi
84      );
85
86      // Ubah
87
88      @FormUrlEncoded
89      @POST("pembimbing/pembimbing_ubah.php")
90      Call<ResponseInfo> pembimbingUbahUsername(
91              @Field("id_pembimbing") String id_pembimbing,
92              @Field("username") String username
93      );
94
95      @FormUrlEncoded
96      @POST("pembimbing/pembimbing_ubah.php")
97      Call<ResponseInfo> pembimbingUbahPassword(
98              @Field("id_pembimbing") String id_pembimbing,
99              @Field("password") String password
100     );
101
102     @FormUrlEncoded
103     @POST("pembimbing/pembimbing_ubah.php")
104     Call<ResponseInfo> pembimbingUbahNama(
105             @Field("id_pembimbing") String id_pembimbing,
106             @Field("nama") String nama
107     );
108
109     @FormUrlEncoded
110     @POST("pembimbing/pembimbing_ubah.php")
111     Call<ResponseInfo> pembimbingUbahPerusahaan(
112             @Field("id_pembimbing") String id_pembimbing,
113             @Field("perusahaan") String perusahaan
114     );
115
116     @FormUrlEncoded
117     @POST("pembimbing/pembimbing_ubah.php")
```

```
118     Call<ResponseInfo> pembimbingUbahKontak(
119             @Field("id_pembimbing") String id_pembimbing,
120             @Field("kontak") String kontak
121     );
122
123     @Multipart
124     @POST("pembimbing/pembimbing_ubah.php")
125     Call<ResponseInfo> pembimbingUbahFoto(
126             @Part("id_pembimbing") RequestBody id_pembimbing,
127             @Part MultipartBody.Part foto
128     );
129
130 }
```

Setelah itu, kita buat file custom_edittext.xml di package drawable. Kemudian tambahkan script berikut di file tersebut.

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <shape xmlns:android="http://schemas.android.com/apk/res/android"
3     android:shape="rectangle">
4
5     <solid android:color="#FFFFFF" />
6
7     <stroke
8         android:width="1dp"
9         android:color="#c0c0c0" />
10 </shape>
```

Selanjutnya kita buat file state_bottom_navigation.xml di package drawable. Kemudian tambahkan script berikut di file tersebut.

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <selector xmlns:android="http://schemas.android.com/apk/res/android">
3     <item android:color="@color/colorPrimaryDark"
4     android:state_checked="true"/>
5     <item android:color="@android:color/darker_gray"/>
5 </selector>
```

Setelah itu, kita buat file menu_bottom_nav.xml di package menu. Kemudian tambahkan script berikut di file tersebut.

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <menu xmlns:android="http://schemas.android.com/apk/res/android">
3     <item
4         android:id="@+id/menu_mahasiswa"
5         android:title="Mahasiswa"
6         android:icon="@drawable/ic_people_white"/>
7
8     <item
9         android:id="@+id/menu_confirmation"
10        android:title="Konfirmasi"
11        android:icon="@drawable/ic_done_all_white"/>
12
13    <item
14        android:id="@+id/menu_notification"
15        android:title="Notifikasi"
16        android:icon="@drawable/ic_notifications_white"/>
```

```
17
18      <item
19          android:id="@+id/menu_profile"
20          android:title="Profil"
21          android:icon="@drawable/ic_person_white"/>
22  </menu>
```

Selanjutnya kita buat file activity_detail_mahasiswa.xml di package layout. Kemudian tambahkan script berikut di file tersebut.

```
1   <?xml version="1.0" encoding="utf-8"?>
2   <ScrollView xmlns:android="http://schemas.android.com/apk/res/android
        "
3       xmlns:app="http://schemas.android.com/apk/res-auto"
4       xmlns:tools="http://schemas.android.com/tools"
5       android:layout_width="match_parent"
6       android:layout_height="match_parent"
7       tools:context=".activity.DetailMahasiswaActivity">
8
9       <LinearLayout
10          android:layout_width="match_parent"
11          android:layout_height="wrap_content"
12          android:orientation="vertical"
13          android:gravity="center_horizontal"
14          android:padding="12dp">
15
16          <de.hdodenhof.circleimageview.CircleImageView
17              android:id="@+id/img_mahasiswa"
18              android:layout_width="180dp"
19              android:layout_height="180dp"
20              android:src="@drawable/profile"
21              android:layout_margin="20dp"/>
22
23          <TextView
24              android:layout_width="match_parent"
25              android:layout_height="wrap_content"
26              android:text="Nama"
27              android:layout_marginTop="8dp"/>
28
29          <LinearLayout
30              android:layout_width="match_parent"
31              android:layout_height="wrap_content"
32              android:orientation="horizontal"
33              android:layout_marginVertical="8dp">
34
35              <TextView
36                  android:id="@+id/tv_mahasiswa"
37                  android:layout_width="match_parent"
38                  android:layout_height="wrap_content"
39                  android:layout_weight="1"
40                  android:text="Kadek Diva Krishna Murti" />
41          </LinearLayout>
42
43          <TextView
44              android:layout_width="match_parent"
45              android:layout_height="wrap_content"
46              android:text="Angkatan"
```

```
47              android:layout_marginTop="8dp"/>
48
49          <LinearLayout
50              android:layout_width="match_parent"
51              android:layout_height="wrap_content"
52              android:orientation="horizontal"
53              android:layout_marginVertical="8dp">
54
55              <TextView
56                  android:id="@+id/tv_angkatan"
57                  android:layout_width="match_parent"
58                  android:layout_height="wrap_content"
59                  android:layout_weight="1"
60                  android:text="2017" />
61
62          </LinearLayout>
63
64          <TextView
65              android:layout_width="match_parent"
66              android:layout_height="wrap_content"
67              android:text="Kontak"
68              android:layout_marginTop="8dp"/>
69
70          <LinearLayout
71              android:layout_width="match_parent"
72              android:layout_height="wrap_content"
73              android:orientation="horizontal"
74              android:layout_marginVertical="8dp">
75
76              <TextView
77                  android:id="@+id/tv_kontak"
78                  android:layout_width="match_parent"
79                  android:layout_height="wrap_content"
80                  android:layout_weight="1"
81                  android:text="2017" />
82
83          </LinearLayout>
84
85          <TextView
86              android:layout_width="match_parent"
87              android:layout_height="wrap_content"
88              android:text="Program Studi"
89              android:layout_marginTop="8dp"/>
90
91          <LinearLayout
92              android:layout_width="match_parent"
93              android:layout_height="wrap_content"
94              android:orientation="horizontal"
95              android:layout_marginVertical="8dp">
96
97              <TextView
98                  android:id="@+id/tv_prodi"
99                  android:layout_width="match_parent"
100                 android:layout_height="wrap_content"
101                 android:layout_weight="1"
102                 android:text="D4 Teknik Informatika" />
```

```
103
104            </ LinearLayout>
105
106        </ LinearLayout>
107 </ ScrollView>
```

```
1  package com.divakrishnam.actspotpembimbingeksternal.activity;
2
3  import androidx.appcompat.app.AppCompatActivity;
4
5  import android.os.Bundle;
6  import android.widget.ImageView;
7  import android.widget.TextView;
8
9  import com.bumptech.glide.Glide;
10 import com.divakrishnam.actspotpembimbingeksternal.R;
11 import com.divakrishnam.actspotpembimbingeksternal.model.Mahasiswa;
12 import com.divakrishnam.actspotpembimbingeksternal.util.Urls;
13
14 public class DetailMahasiswaActivity extends AppCompatActivity {
15
16     public static final String EXTRA_MAHASISWA = "extra_mahasiswa";
17     private ImageView ivMahasiswa;
18     private TextView tvMahasiswa, tvAngkatan, tvKontak, tvProdi;
19     private Mahasiswa mahasiswa;
20
21     @Override
22     protected void onCreate(Bundle savedInstanceState) {
23         super.onCreate(savedInstanceState);
24         setContentView(R.layout.activity_detail_mahasiswa);
25
26         mahasiswa = getIntent().getParcelableExtra(EXTRA_MAHASISWA);
27
28         ivMahasiswa= findViewById(R.id.img_mahasiswa);
29         tvMahasiswa = findViewById(R.id.tv_mahasiswa);
30         tvAngkatan = findViewById(R.id.tv_angkatan);
31         tvKontak = findViewById(R.id.tv_kontak);
32         tvProdi = findViewById(R.id.tv_prodi);
33
34         tvMahasiswa.setText(mahasiswa.getNamaMahasiswa());
35         tvAngkatan.setText(mahasiswa.getAngkatanMahasiswa());
36         tvKontak.setText(mahasiswa.getKontakMahasiswa());
37         tvProdi.setText(mahasiswa.getNamaProdi());
38
39         Glide.with(this).load(Urls.IMAGE_URL+"mahasiswa/"+mahasiswa.
       getFotoMahasiswa()).error(R.drawable.profile).into(ivMahasiswa);
40     }
41 }
```

Selanjutnya kita buat file activity_detail_progress.xml di package layout. Kemu-
dian tambahkan script berikut di file tersebut.

```
1  <?xml version="1.0" encoding="utf-8"?>
2  <LinearLayout xmlns:android="http://schemas.android.com/apk/res/
       android"
3      xmlns:tools="http://schemas.android.com/tools"
4      android:layout_width="match_parent"
```

```
5        android:layout_height="match_parent"
6        android:orientation="vertical"
7        android:layout_marginHorizontal="12dp"
8        tools:context=".activity.LoginActivity">

9
10       <TextView
11           android:layout_width="match_parent"
12           android:layout_height="wrap_content"
13           android:text="Username"
14           android:layout_marginTop="10dp"/>

15
16       <EditText
17           android:id="@+id/et_username"
18           android:layout_width="match_parent"
19           android:layout_height="wrap_content"
20           android:layout_marginVertical="8dp"
21           android:paddingHorizontal="10dp"
22           android:paddingVertical="10dp"
23           android:background="@drawable/custom_edittext"/>

24
25       <TextView
26           android:layout_width="match_parent"
27           android:layout_height="wrap_content"
28           android:text="Password"
29           android:layout_marginTop="10dp"/>

30
31       <EditText
32           android:id="@+id/et_password"
33           android:layout_width="match_parent"
34           android:layout_height="wrap_content"
35           android:layout_marginVertical="8dp"
36           android:paddingHorizontal="10dp"
37           android:paddingVertical="10dp"
38           android:inputType="textPassword"
39           android:background="@drawable/custom_edittext"/>

40
41       <Button
42           android:id="@+id/btn_login"
43           android:layout_width="match_parent"
44           android:layout_height="wrap_content"
45           android:text="Login"
46           android:layout_marginVertical="12dp"
47           android:textColor="@android:color/white"
48           android:background="@color/colorPrimaryDark"/>

49
50       <Button
51           android:id="@+id/btn_registrasi"
52           android:layout_width="match_parent"
53           android:layout_height="wrap_content"
54           android:text="Registrasi"
55           android:layout_marginVertical="8dp"
56           android:textColor="@android:color/white"
57           android:background="@color/colorPrimaryDark"/>

58
59 </LinearLayout>
```

```java
package com.divakrishnam.actspotpembimbingeksternal.activity;

import androidx.appcompat.app.AppCompatActivity;

import android.app.ProgressDialog;
import android.content.Intent;
import android.os.Bundle;
import android.util.Log;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

import com.divakrishnam.actspotpembimbingeksternal.R;
import com.divakrishnam.actspotpembimbingeksternal.api.APIClient;
import com.divakrishnam.actspotpembimbingeksternal.api.APIService;
import com.divakrishnam.actspotpembimbingeksternal.model.
    ResponseLogin;
import com.divakrishnam.actspotpembimbingeksternal.util.
    SharedPrefManager;

import retrofit2.Call;
import retrofit2.Callback;
import retrofit2.Response;

public class LoginActivity extends AppCompatActivity implements View.
    OnClickListener {

    private EditText etUsername;
    private EditText etPassword;
    private Button btnLogin;
    private Button btnRegistrasi;

    private APIService mApiInterface;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_login);

        etUsername = findViewById(R.id.et_username);
        etPassword = findViewById(R.id.et_password);
        btnLogin = findViewById(R.id.btn_login);
        btnRegistrasi = findViewById(R.id.btn_registrasi);

        mApiInterface = APIClient.getClient().create(APIService.class
    );

        btnLogin.setOnClickListener(this);
        btnRegistrasi.setOnClickListener(this);

    }

    @Override
    public void onClick(View view) {
        if (view == btnLogin){
```

```
53                dosenLogin();
54            }else if (view == btnRegistrasi){
55                startActivity(new Intent(getApplicationContext(),
       RegisterActivity.class));
56            }
57        }
58
59        private void dosenLogin() {
60            final ProgressDialog progressDialog = new ProgressDialog(this
       );
61            progressDialog.setMessage("Log In...");
62            progressDialog.setCancelable(false);
63            progressDialog.show();
64
65
66            String username = etUsername.getText().toString();
67            String password = etPassword.getText().toString();
68
69            if (!username.isEmpty() && !password.isEmpty()){
70
71                Call<ResponseLogin> call = mApiInterface.pembimbingLogin(
       username, password);
72                call.enqueue(new Callback<ResponseLogin>() {
73                    @Override
74                    public void onResponse(Call<ResponseLogin> call,
       Response<ResponseLogin> response) {
75                        progressDialog.dismiss();
76                        Toast.makeText(getApplicationContext(), response.
       body().getMessage(), Toast.LENGTH_LONG).show();
77                        if(response.body().getStatus().equals("200")) {
78
79                            SharedPrefManager.getInstance(
       getApplicationContext()).pembimbingLogin(response.body().getData
       ());
80                            Log.d("lolo", SharedPrefManager.getInstance(
       getApplicationContext()).getPembimbing().getUsername());
81                            Log.d("lolo", SharedPrefManager.getInstance(
       getApplicationContext()).getPembimbing().getPassword());
82                            startActivity(new Intent(
       getApplicationContext(), MainActivity.class));
83                            finish();
84                        }
85                    }
86
87                    @Override
88                    public void onFailure(Call<ResponseLogin> call,
       Throwable t) {
89                        progressDialog.dismiss();
90                        Toast.makeText(getApplicationContext(), "Error :
       "+t.getMessage(), Toast.LENGTH_LONG).show();
91                    }
92                });
93            }else{
94                progressDialog.dismiss();
95                Toast.makeText(getApplicationContext(), "Field tidak
       boleh kosong", Toast.LENGTH_LONG).show();
```

```
96        }
97      }
98 }
```

Selanjutnya kita buat file activity_detail_progress.xml di package layout. Kemudian tambahkan script berikut di file tersebut.

```
1  <?xml version="1.0" encoding="utf-8"?>
2  <LinearLayout xmlns:android="http://schemas.android.com/apk/res/
      android"
3      xmlns:app="http://schemas.android.com/apk/res-auto"
4      xmlns:tools="http://schemas.android.com/tools"
5      android:layout_width="match_parent"
6      android:layout_height="match_parent"
7      android:orientation="vertical"
8      android:gravity="center"
9      android:layout_marginBottom="50dp"
10     tools:context=".activity.NoticeActivity">
11
12     <ImageView
13         android:layout_width="100dp"
14         android:layout_height="100dp"
15         android:src="@drawable/ic_info_outline_black"/>
16
17     <TextView
18         android:layout_width="wrap_content"
19         android:layout_height="wrap_content"
20         android:text="Tunggu konfirmasi dari admin ActSpot untuk bisa
      masuk aplikasi."
21         android:textSize="18sp"
22         android:gravity="center"
23         android:layout_margin="20dp"/>
24
25 </LinearLayout>
```

```
1  package com.divakrishnam.actspotpembimbingeksternal.activity;
2
3  import androidx.appcompat.app.AppCompatActivity;
4
5  import android.os.Bundle;
6
7  import com.divakrishnam.actspotpembimbingeksternal.R;
8
9  public class NoticeActivity extends AppCompatActivity {
10
11     @Override
12     protected void onCreate(Bundle savedInstanceState) {
13         super.onCreate(savedInstanceState);
14         setContentView(R.layout.activity_notice);
15     }
16 }
```

Selanjutnya kita buat file activity_detail_progress.xml di package layout. Kemudian tambahkan script berikut di file tersebut.

```
1  <?xml version="1.0" encoding="utf-8"?>
```

```xml
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/
      android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".activity.MainActivity">

    <FrameLayout
        android:id="@+id/fl_container"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        app:layout_behavior="@string/appbar_scrolling_view_behavior"
    />

    <com.google.android.material.bottomnavigation.
    BottomNavigationView
        android:id="@+id/bn_main"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_alignParentBottom="true"
        android:background="@android:color/white"
        app:itemIconTint="@drawable/state_bottom_navigation"
        app:itemTextColor="@drawable/state_bottom_navigation"
        app:menu="@menu/menu_bottom_nav"
        app:labelVisibilityMode="labeled"/>

</RelativeLayout>
```

```java
package com.divakrishnam.actspotpembimbingeksternal.activity;

import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;
import androidx.core.app.ActivityCompat;
import androidx.fragment.app.Fragment;

import android.content.Context;
import android.content.Intent;
import android.content.pm.PackageManager;
import android.os.Bundle;
import android.view.MenuItem;
import android.widget.Toast;

import com.divakrishnam.actspotpembimbingeksternal.R;
import com.divakrishnam.actspotpembimbingeksternal.fragment.
      ConfirmationFragment;
import com.divakrishnam.actspotpembimbingeksternal.fragment.
      MahasiswaFragment;
import com.divakrishnam.actspotpembimbingeksternal.fragment.
      NotificationFragment;
import com.divakrishnam.actspotpembimbingeksternal.fragment.
      ProfileFragment;
import com.divakrishnam.actspotpembimbingeksternal.util.
      SharedPrefManager;
import com.google.android.material.bottomnavigation.
      BottomNavigationView;
```

```
22
23  public class MainActivity extends AppCompatActivity implements
         BottomNavigationView.OnNavigationItemSelectedListener{
24
25      private static final int PERMISSION_ALL = 100;
26
27      private String[] PERMISSIONS = {
28              android.Manifest.permission.ACCESS_FINE_LOCATION,
29              android.Manifest.permission.WRITE_EXTERNAL_STORAGE,
30              android.Manifest.permission.READ_PHONE_STATE,
31              android.Manifest.permission.CAMERA
32      };
33
34
35      @Override
36      protected void onCreate(Bundle savedInstanceState) {
37          super.onCreate(savedInstanceState);
38          setContentView(R.layout.activity_main);
39
40          if (!SharedPrefManager.getInstance(this).isLoggedIn()) {
41              finish();
42              startActivity(new Intent(getApplicationContext(),
         LoginActivity.class));
43          }else{
44              if (!hasPermissions(this, PERMISSIONS)) {
45                  ActivityCompat.requestPermissions(this, PERMISSIONS,
         PERMISSION_ALL);
46              }
47          }
48
49          loadFragment(new MahasiswaFragment());
50          BottomNavigationView bottomNavigationView = findViewById(R.id
         .bn_main);
51          bottomNavigationView.setOnNavigationItemSelectedListener(this
         );
52      }
53
54      private boolean loadFragment(Fragment fragment){
55          if (fragment != null) {
56              getSupportFragmentManager().beginTransaction()
57                      .replace(R.id.fl_container, fragment)
58                      .commit();
59              return true;
60          }
61          return false;
62      }
63
64      public void setActionBarTitle(String title) {
65          getSupportActionBar().setTitle(title);
66      }
67
68      @Override
69      public boolean onNavigationItemSelected(@NonNull MenuItem item) {
70          Fragment fragment = null;
71          switch (item.getItemId()){
72              case R.id.menu_mahasiswa:
```

```
73                    fragment = new MahasiswaFragment();
74                    break;
75              case R.id.menu_confirmation:
76                    fragment = new ConfirmationFragment();
77                    break;
78              case R.id.menu_notification:
79                    fragment = new NotificationFragment();
80                    break;
81              case R.id.menu_profile:
82                    fragment = new ProfileFragment();
83                    break;
84          }
85          return loadFragment(fragment);
86      }
87
88      @Override
89      public void onRequestPermissionsResult(int requestCode, String[]
        permissions, int[] grantResults) {
90          super.onRequestPermissionsResult(requestCode, permissions,
        grantResults);
91
92          if (requestCode == PERMISSION_ALL && grantResults.length > 0)
         {
93              if (grantResults[0] == PackageManager.PERMISSION_GRANTED)
         {
94                  Toast.makeText(this, "Thanks for granting Permission"
        , Toast.LENGTH_SHORT).show();
95              }
96          }
97      }
98
99      public static boolean hasPermissions(Context context, String...
        permissions) {
100         if (context != null && permissions != null) {
101             for (String permission : permissions) {
102                 if (ActivityCompat.checkSelfPermission(context,
        permission) != PackageManager.PERMISSION_GRANTED) {
103                     return false;
104                 }
105             }
106         }
107         return true;
108     }
109 }
```

Selanjutnya kita buat file activity_detail_progress.xml di package layout. Kemudian tambahkan script berikut di file tersebut.

```
1  <?xml version="1.0" encoding="utf-8"?>
2  <LinearLayout xmlns:android="http://schemas.android.com/apk/res/
       android"
3      xmlns:app="http://schemas.android.com/apk/res-auto"
4      xmlns:tools="http://schemas.android.com/tools"
5      android:layout_width="match_parent"
6      android:layout_height="match_parent"
7      android:orientation="vertical"
8      android:layout_marginHorizontal="12dp"
```

```
9        tools:context=".activity.PasswordActivity">
10
11
12       <TextView
13           android:layout_width="match_parent"
14           android:layout_height="wrap_content"
15           android:text="Sandi Lama"
16           android:layout_marginTop="10dp"/>
17
18       <EditText
19           android:id="@+id/et_oldpass"
20           android:layout_width="match_parent"
21           android:layout_height="wrap_content"
22           android:layout_marginVertical="8dp"
23           android:paddingHorizontal="10dp"
24           android:paddingVertical="10dp"
25           android:inputType="textPassword"
26           android:background="@drawable/custom_edittext"/>
27
28
29       <TextView
30           android:layout_width="match_parent"
31           android:layout_height="wrap_content"
32           android:text="Sandi Baru"
33           android:layout_marginTop="10dp"/>
34
35       <EditText
36           android:id="@+id/et_newpass"
37           android:layout_width="match_parent"
38           android:layout_height="wrap_content"
39           android:layout_marginVertical="8dp"
40           android:paddingHorizontal="10dp"
41           android:paddingVertical="10dp"
42           android:inputType="textPassword"
43           android:background="@drawable/custom_edittext"/>
44
45
46       <TextView
47           android:layout_width="match_parent"
48           android:layout_height="wrap_content"
49           android:text="Konfirmasi Sandi Baru"
50           android:layout_marginTop="10dp"/>
51
52       <EditText
53           android:id="@+id/et_cnewpass"
54           android:layout_width="match_parent"
55           android:layout_height="wrap_content"
56           android:layout_marginVertical="8dp"
57           android:paddingHorizontal="10dp"
58           android:paddingVertical="10dp"
59           android:inputType="textPassword"
60           android:background="@drawable/custom_edittext"/>
61
62       <Button
63           android:id="@+id/btn_savepass"
64           android:layout_width="match_parent"
```

```
65              android:layout_height="wrap_content"
66              android:text="Simpan"
67              android:layout_marginVertical="12dp"/>
68
69 </LinearLayout>
```

```
1  package com.divakrishnam.actspotpembimbingeksternal.activity;
2
3  import androidx.appcompat.app.AppCompatActivity;
4
5  import android.app.ProgressDialog;
6  import android.os.Bundle;
7  import android.view.View;
8  import android.widget.Button;
9  import android.widget.EditText;
10 import android.widget.Toast;
11
12 import com.divakrishnam.actspotpembimbingeksternal.R;
13 import com.divakrishnam.actspotpembimbingeksternal.api.APIClient;
14 import com.divakrishnam.actspotpembimbingeksternal.api.APIService;
15 import com.divakrishnam.actspotpembimbingeksternal.model.Login;
16 import com.divakrishnam.actspotpembimbingeksternal.model.ResponseInfo
        ;
17 import com.divakrishnam.actspotpembimbingeksternal.util.
        SharedPrefManager;
18
19 import retrofit2.Call;
20 import retrofit2.Callback;
21 import retrofit2.Response;
22
23 public class PasswordActivity extends AppCompatActivity implements
        View.OnClickListener {
24
25      private EditText etOldPass, etNewPass, etCNewPass;
26      private Button btnSave;
27
28      private SharedPrefManager pref;
29      private APIService mApiInterface;
30
31      @Override
32      protected void onCreate(Bundle savedInstanceState) {
33          super.onCreate(savedInstanceState);
34          setContentView(R.layout.activity_password);
35
36          etOldPass = findViewById(R.id.et_oldpass);
37          etNewPass = findViewById(R.id.et_newpass);
38          etCNewPass = findViewById(R.id.et_cnewpass);
39          btnSave = findViewById(R.id.btn_savepass);
40
41          pref = SharedPrefManager.getInstance(getApplicationContext())
        ;
42          mApiInterface = APIClient.getClient().create(APIService.class
        );
43
44          btnSave.setOnClickListener(this);
45
```

```
46          }
47
48          @Override
49          public void onClick(View view) {
50              if (view == btnSave){
51                  savePassword();
52              }
53          }
54
55          private void savePassword() {
56              final ProgressDialog progressDialog = new ProgressDialog(this
            );
57              progressDialog.setMessage("Menyimpan data...");
58              progressDialog.setCancelable(false);
59              progressDialog.show();
60
61              String oldPass = etOldPass.getText().toString();
62              String newPass = etNewPass.getText().toString();
63              String cNewPass = etCNewPass.getText().toString();
64              String idPembimbing = pref.getPembimbing().getIdPembimbing();
65
66              if (!oldPass.isEmpty() && !newPass.isEmpty() && !cNewPass.
            isEmpty() && oldPass.equals(pref.getPembimbing().getPassword())
            && newPass.equals(cNewPass)){
67
68                  Call<ResponseInfo> call = mApiInterface.
            pembimbingUbahPassword(idPembimbing, newPass);
69                  call.enqueue(new Callback<ResponseInfo>() {
70                      @Override
71                      public void onResponse(Call<ResponseInfo> call,
            Response<ResponseInfo> response) {
72                          progressDialog.dismiss();
73                          Toast.makeText(getApplicationContext(), response.
            body().getMessage(), Toast.LENGTH_LONG).show();
74                          if(response.body().getStatus().equals("200")) {
75                              Login login = pref.getPembimbing();
76                              login.setPassword(newPass);
77                              pref.pembimbingLogin(login);
78                              finish();
79                          }
80                      }
81
82                      @Override
83                      public void onFailure(Call<ResponseInfo> call,
            Throwable t) {
84                          progressDialog.dismiss();
85                          Toast.makeText(getApplicationContext(), "Error :
            "+t.getMessage(), Toast.LENGTH_LONG).show();
86                      }
87                  });
88              }else {
89                  if (!oldPass.isEmpty() && !newPass.isEmpty() && !cNewPass
            .isEmpty()){
90                      if (oldPass.equals(pref.getPembimbing().getPassword()
            )){
```

```
91                        Toast.makeText(getApplicationContext(), "Password
         baru tidak sama dengan password lama.", Toast.LENGTH_SHORT).show
      ();
92                   }else if (newPass.equals(cNewPass)){
93                        Toast.makeText(getApplicationContext(), "Password
         tidak sama", Toast.LENGTH_SHORT).show();
94                   }
95              }else{
96                   Toast.makeText(getApplicationContext(), "Field kosong
      ", Toast.LENGTH_SHORT).show();
97              }
98              progressDialog.dismiss();
99          }
100     }
101 }
```

Selanjutnya kita buat file activity_detail_progress.xml di package layout. Kemudian tambahkan script berikut di file tersebut.

```
1  <?xml version="1.0" encoding="utf-8"?>
2  <ScrollView xmlns:android="http://schemas.android.com/apk/res/android
       "
3      xmlns:app="http://schemas.android.com/apk/res-auto"
4      xmlns:tools="http://schemas.android.com/tools"
5      android:layout_width="match_parent"
6      android:layout_height="match_parent"
7      tools:context=".activity.ProfileActivity">
8
9      <LinearLayout
10         android:layout_width="match_parent"
11         android:layout_height="wrap_content"
12         android:orientation="vertical"
13         android:gravity="center_horizontal"
14         android:padding="12dp">
15
16         <androidx.constraintlayout.widget.ConstraintLayout
17             android:layout_width="match_parent"
18             android:layout_height="wrap_content">
19
20             <de.hdodenhof.circleimageview.CircleImageView
21                 android:id="@+id/img_profile"
22                 android:layout_width="180dp"
23                 android:layout_height="180dp"
24                 android:layout_margin="20dp"
25                 android:src="@drawable/profile"
26                 app:layout_constraintBottom_toBottomOf="parent"
27                 app:layout_constraintEnd_toEndOf="parent"
28                 app:layout_constraintStart_toStartOf="parent"
29                 app:layout_constraintTop_toTopOf="parent" />
30
31             <ImageView
32                 android:layout_width="30dp"
33                 android:layout_height="30dp"
34                 android:layout_alignEnd="@id/img_profile"
35                 android:layout_alignParentEnd="true"
36                 android:layout_marginBottom="16dp"
37                 android:background="@drawable/ic_add_circle_gray"
```

```
38                      app:layout_constraintBottom_toBottomOf="parent"
39                      app:layout_constraintEnd_toEndOf="parent"
40                      app:layout_constraintHorizontal_bias="0.655"
41                      app:layout_constraintStart_toStartOf="parent" />
42
43          </androidx.constraintlayout.widget.ConstraintLayout>
44
45          <TextView
46              android:layout_width="match_parent"
47              android:layout_height="wrap_content"
48              android:text="Nama"
49              android:layout_marginTop="8dp"/>
50
51          <LinearLayout
52              android:layout_width="match_parent"
53              android:layout_height="wrap_content"
54              android:orientation="horizontal"
55              android:layout_marginVertical="8dp">
56
57              <TextView
58                  android:id="@+id/tv_nama"
59                  android:layout_width="match_parent"
60                  android:layout_height="wrap_content"
61                  android:layout_weight="1"
62                  android:text="Kadek Diva Krishna Murti" />
63
64              <TextView
65                  android:id="@+id/tv_edit_nama"
66                  android:layout_width="match_parent"
67                  android:layout_height="wrap_content"
68                  android:layout_weight="9"
69                  android:text="Ubah"
70                  android:textColor="@android:color/darker_gray" />
71          </LinearLayout>
72
73          <TextView
74              android:layout_width="match_parent"
75              android:layout_height="wrap_content"
76              android:text="Kontak"
77              android:layout_marginTop="8dp"/>
78
79          <LinearLayout
80              android:layout_width="match_parent"
81              android:layout_height="wrap_content"
82              android:orientation="horizontal"
83              android:layout_marginVertical="8dp">
84
85              <TextView
86                  android:id="@+id/tv_kontak"
87                  android:layout_width="match_parent"
88                  android:layout_height="wrap_content"
89                  android:layout_weight="1"
90                  android:text="2017" />
91
92              <TextView
93                  android:id="@+id/tv_edit_kontak"
```

```
94                  android:layout_width="match_parent"
95                  android:layout_height="wrap_content"
96                  android:layout_weight="9"
97                  android:text="Ubah"
98                  android:textColor="@android:color/darker_gray" />
99          </LinearLayout>
100
101         <TextView
102             android:layout_width="match_parent"
103             android:layout_height="wrap_content"
104             android:text="Perusahaan"
105             android:layout_marginTop="8dp"/>
106
107         <LinearLayout
108             android:layout_width="match_parent"
109             android:layout_height="wrap_content"
110             android:orientation="horizontal"
111             android:layout_marginVertical="8dp">
112
113             <TextView
114                 android:id="@+id/tv_perusahaan"
115                 android:layout_width="match_parent"
116                 android:layout_height="wrap_content"
117                 android:layout_weight="1"
118                 android:text="Kadek Diva Krishna Murti" />
119
120             <TextView
121                 android:id="@+id/tv_edit_perusahaan"
122                 android:layout_width="match_parent"
123                 android:layout_height="wrap_content"
124                 android:layout_weight="9"
125                 android:text="Ubah"
126                 android:textColor="@android:color/darker_gray" />
127         </LinearLayout>
128
129         <TextView
130             android:layout_width="match_parent"
131             android:layout_height="wrap_content"
132             android:text="Username"
133             android:layout_marginTop="8dp"/>
134
135         <LinearLayout
136             android:layout_width="match_parent"
137             android:layout_height="wrap_content"
138             android:orientation="horizontal"
139             android:layout_marginVertical="8dp">
140
141             <TextView
142                 android:id="@+id/tv_username"
143                 android:layout_width="match_parent"
144                 android:layout_height="wrap_content"
145                 android:layout_weight="1"
146                 android:text="Politeknik Pos Indonesia" />
147
148             <TextView
149                 android:id="@+id/tv_edit_username"
```

```
150                    android:layout_width="match_parent"
151                    android:layout_height="wrap_content"
152                    android:layout_weight="9"
153                    android:text="Ubah"
154                    android:textColor="@android:color/darker_gray" />
155            </LinearLayout>
156
157        </LinearLayout>
158 </ScrollView>
```

```
1  package com.divakrishnam.actspotpembimbingeksternal.activity;
2
3  import androidx.appcompat.app.AlertDialog;
4  import androidx.appcompat.app.AppCompatActivity;
5  import androidx.core.content.FileProvider;
6
7  import android.app.ProgressDialog;
8  import android.content.Intent;
9  import android.net.Uri;
10 import android.os.Bundle;
11 import android.os.Environment;
12 import android.provider.MediaStore;
13 import android.util.Log;
14 import android.view.View;
15 import android.widget.ImageView;
16 import android.widget.TextView;
17 import android.widget.Toast;
18
19 import com.bumptech.glide.Glide;
20 import com.bumptech.glide.request.RequestOptions;
21 import com.divakrishnam.actspotpembimbingeksternal.R;
22 import com.divakrishnam.actspotpembimbingeksternal.api.APIClient;
23 import com.divakrishnam.actspotpembimbingeksternal.api.APIService;
24 import com.divakrishnam.actspotpembimbingeksternal.model.Login;
25 import com.divakrishnam.actspotpembimbingeksternal.model.ResponseInfo
       ;
26 import com.divakrishnam.actspotpembimbingeksternal.util.
       SharedPrefManager;
27 import com.divakrishnam.actspotpembimbingeksternal.util.Urls;
28 import com.theartofdev.edmodo.cropper.CropImage;
29 import com.theartofdev.edmodo.cropper.CropImageView;
30
31 import java.io.File;
32 import java.io.IOException;
33 import java.text.SimpleDateFormat;
34 import java.util.Date;
35 import java.util.Locale;
36
37 import id.zelory.compressor.Compressor;
38 import okhttp3.MediaType;
39 import okhttp3.MultipartBody;
40 import okhttp3.RequestBody;
41 import pl.aprilapps.easyphotopicker.DefaultCallback;
42 import pl.aprilapps.easyphotopicker.EasyImage;
43 import retrofit2.Call;
44 import retrofit2.Callback;
```

```
45  import retrofit2.Response;

46
47  public class ProfileActivity extends AppCompatActivity implements
        View.OnClickListener {
48
49      private ImageView imgProfile;
50      private TextView tvNama, tvEditNama, tvKontak, tvEditKontak,
        tvPerusahaan, tvEditPerusahaan, tvUsername, tvEditUsername;
51
52      private SharedPrefManager pref;
53      private APIService mApiInterface;
54
55      private static final int REQUEST_IMAGE = 200;
56      private static final int REQUEST_PHOTO = 300;
57
58      @Override
59      protected void onCreate(Bundle savedInstanceState) {
60          super.onCreate(savedInstanceState);
61          setContentView(R.layout.activity_profile);
62
63          imgProfile = findViewById(R.id.img_profile);
64          tvNama = findViewById(R.id.tv_nama);
65          tvEditNama = findViewById(R.id.tv_edit_nama);
66          tvKontak = findViewById(R.id.tv_kontak);
67          tvEditKontak = findViewById(R.id.tv_edit_kontak);
68          tvPerusahaan = findViewById(R.id.tv_perusahaan);
69          tvEditPerusahaan = findViewById(R.id.tv_edit_perusahaan);
70          tvUsername = findViewById(R.id.tv_username);
71          tvEditUsername = findViewById(R.id.tv_edit_username);
72
73          pref = SharedPrefManager.getInstance(getApplicationContext())
        ;
74          mApiInterface = APIClient.getClient().create(APIService.class
        );
75
76
77          imgProfile.setOnClickListener(this);
78          tvEditNama.setOnClickListener(this);
79          tvEditUsername.setOnClickListener(this);
80          tvEditPerusahaan.setOnClickListener(this);
81          tvEditKontak.setOnClickListener(this);
82      }
83
84      @Override
85      protected void onResume() {
86          Login pembimbing = pref.getPembimbing();
87          if (pembimbing != null){
88              tvNama.setText(pembimbing.getNamaPembimbing());
89              tvKontak.setText(pembimbing.getKontakPembimbing());
90              tvPerusahaan.setText(pembimbing.getNamaPerusahaan());
91              tvUsername.setText(pembimbing.getUsername());
92              Glide.with(this).load(Urls.IMAGE_URL+"pembimbing/"+
        pembimbing.getFotoPembimbing()).error(R.drawable.profile).into(
        imgProfile);
93          }
94
```

```
 95            super.onResume();
 96        }
 97
 98        @Override
 99        public void onClick(View view) {
100            if (view == imgProfile){
101                menuDialog();
102            }else if (view == tvEditNama){
103                Intent text = new Intent(getApplicationContext(),
       TextActivity.class);
104                text.putExtra(TextActivity.EXTRA_NAMA, pref.getPembimbing
       ().getNamaPembimbing());
105                startActivity(text);
106            }else if(view == tvEditKontak){
107                Intent text = new Intent(getApplicationContext(),
       TextActivity.class);
108                text.putExtra(TextActivity.EXTRA_KONTAK, pref.
       getPembimbing().getKontakPembimbing());
109                startActivity(text);
110            }else if (view == tvEditPerusahaan){
111                Intent text = new Intent(getApplicationContext(),
       TextActivity.class);
112                text.putExtra(TextActivity.EXTRA_PERUSAHAAN, pref.
       getPembimbing().getNamaPerusahaan());
113                startActivity(text);
114            }else if (view == tvEditUsername){
115                Intent text = new Intent(getApplicationContext(),
       TextActivity.class);
116                text.putExtra(TextActivity.EXTRA_USER, pref.getPembimbing
       ().getUsername());
117                startActivity(text);
118            }
119        }
120
121        @Override
122        public void onActivityResult(int requestCode, int resultCode,
       Intent data) {
123            super.onActivityResult(requestCode, resultCode, data);
124
125            EasyImage.handleActivityResult(requestCode, resultCode, data,
        this, new DefaultCallback() {
126                @Override
127                public void onImagePicked(File imageFile, EasyImage.
       ImageSource source, int type) {
128                    CropImage.activity(Uri.fromFile(imageFile))
129                            .setGuidelines(CropImageView.Guidelines.ON)
130                            .setCropShape(CropImageView.CropShape.OVAL)
131                            .setFixAspectRatio(true)
132                            .start(ProfileActivity.this);
133                }
134
135                @Override
136                public void onImagePickerError(Exception e, EasyImage.
       ImageSource source, int type) {
137                    super.onImagePickerError(e, source, type);
```

```
138                    Toast.makeText(ProfileActivity.this, e.getMessage(),
       Toast.LENGTH_SHORT).show();
139            }
140
141            @Override
142            public void onCanceled(EasyImage.ImageSource source, int
       type) {
143                    super.onCanceled(source, type);
144            }
145        });
146
147        if (requestCode == CropImage.CROP_IMAGE_ACTIVITY_REQUEST_CODE
       ) {
148            CropImage.ActivityResult result = CropImage.
       getActivityResult(data);
149            if (resultCode == RESULT_OK) {
150                Uri resultUri = result.getUri();
151                simpanFoto(resultUri);
152
153            } else if (resultCode == CropImage.
       CROP_IMAGE_ACTIVITY_RESULT_ERROR_CODE) {
154                Exception error = result.getError();
155
156                Toast.makeText(this, error.toString(), Toast.
       LENGTH_SHORT).show();
157            }
158        }
159    }
160
161    public void simpanFoto(Uri resultUri){
162        final ProgressDialog progressDialog = new ProgressDialog(this
       );
163        progressDialog.setMessage("Menyimpan data...");
164        progressDialog.setCancelable(false);
165        progressDialog.show();
166
167        File image = new File(resultUri.getPath());
168        File file = null;
169        try {
170            file = new Compressor(getApplicationContext()).
       compressToFile(image);
171        } catch (IOException e) {
172            e.printStackTrace();
173        }
174
175        String idPembimbing = pref.getPembimbing().getIdPembimbing();
176        String namaFile = file.getName();
177
178        if (!idPembimbing.isEmpty() && !namaFile.isEmpty()){
179            RequestBody mIdPembimbing = RequestBody.create(MediaType.
       parse("text/plain"), idPembimbing);
180            RequestBody requestFile = RequestBody.create(MediaType.
       parse("multipart/form-data"), file);
181            MultipartBody.Part mFotoPembimbing = MultipartBody.Part.
       createFormData("foto", file.getName(), requestFile);
182
```

```
183            Call<ResponseInfo> call = mApiInterface.
       pembimbingUbahFoto(mIdPembimbing, mFotoPembimbing);
184            call.enqueue(new Callback<ResponseInfo>() {
185                @Override
186                public void onResponse(Call<ResponseInfo> call,
       Response<ResponseInfo> response) {
187                    progressDialog.dismiss();
188                    Toast.makeText(getApplicationContext(), response.
       body().getMessage(), Toast.LENGTH_LONG).show();
189                    if(response.body().getStatus().equals("200")) {
190                        Login login = pref.getPembimbing();
191                        login.setFotoPembimbing(namaFile);
192                        pref.pembimbingLogin(login);
193                        recreate();
194                    }
195                }
196
197                @Override
198                public void onFailure(Call<ResponseInfo> call,
       Throwable t) {
199                    progressDialog.dismiss();
200                    Toast.makeText(getApplicationContext(), "Error :
       "+t.getMessage(), Toast.LENGTH_LONG).show();
201                }
202            });
203        }else{
204            progressDialog.dismiss();
205            Toast.makeText(getApplicationContext(), "Something empty"
       , Toast.LENGTH_LONG).show();
206        }
207    }
208
209    private void menuDialog(){
210        CharSequence[] menu = {"Camera", "Select Photo"};
211        AlertDialog.Builder dialog = new AlertDialog.Builder(this)
212                .setItems(menu, (dialogInterface, i) -> {
213                    switch (i){
214                        case 0:
215                            EasyImage.openCamera(this, REQUEST_IMAGE)
       ;
216                            break;
217                        case 1:
218                            EasyImage.openChooserWithGallery(this, "
       Choose Picture",REQUEST_PHOTO);
219                            break;
220                    }
221                });
222        dialog.create();
223        dialog.show();
224    }
225 }
```

Selanjutnya kita buat file activity_detail_progress.xml di package layout. Kemudian tambahkan script berikut di file tersebut.

```
1 <?xml version="1.0" encoding="utf-8"?>
```

```xml
2 <ScrollView xmlns:android="http://schemas.android.com/apk/res/android
       "
3      xmlns:tools="http://schemas.android.com/tools"
4      android:layout_width="match_parent"
5      android:layout_height="match_parent"
6      xmlns:mapbox="http://schemas.android.com/apk/res-auto"
7      tools:context=".activity.RegisterActivity">
8
9      <LinearLayout
10         android:id="@+id/linearLayout"
11         android:layout_width="match_parent"
12         android:layout_height="0dp"
13         android:background="@android:color/white"
14         android:focusable="true"
15         android:focusableInTouchMode="true"
16         android:orientation="vertical">
17
18         <FrameLayout
19             android:id="@+id/fl_camera"
20             android:layout_width="match_parent"
21             android:layout_height="300dp">
22
23             <com.mapbox.mapboxsdk.maps.MapView
24                 android:id="@+id/mapView"
25                 android:layout_width="match_parent"
26                 mapbox:mapbox_cameraZoom="16"
27                 android:layout_height="match_parent" />
28
29         </FrameLayout>
30
31         <LinearLayout
32             android:layout_width="match_parent"
33             android:layout_height="wrap_content"
34             android:orientation="vertical"
35             android:layout_margin="12dp">
36
37             <ImageView
38                 android:layout_width="40dp"
39                 android:layout_height="40dp"
40                 android:src="@drawable/ic_info_outline_black"
41                 android:layout_gravity="center"/>
42
43             <TextView
44                 android:layout_width="match_parent"
45                 android:layout_height="wrap_content"
46                 android:text="Pastikan Anda melakukan proses
     registrasi ketika Anda berada di perusahaan agar lebih mudah
     melakukan validasi terhadap anak didik kami."
47                 android:gravity="center"
48                 android:textSize="16sp"
49                 android:layout_margin="10dp"/>
50
51             <TextView
52                 android:layout_width="match_parent"
53                 android:layout_height="wrap_content"
54                 android:text="Nama Pembimbing"
```

```
55                          android:layout_marginTop="20dp"/>
56
57              <EditText
58                  android:id="@+id/et_nama"
59                  android:layout_width="match_parent"
60                  android:layout_height="wrap_content"
61                  android:layout_marginVertical="8dp"
62                  android:paddingHorizontal="10dp"
63                  android:paddingVertical="10dp"
64                  android:background="@drawable/custom_edittext"/>
65
66              <TextView
67                  android:layout_width="match_parent"
68                  android:layout_height="wrap_content"
69                  android:text="Kontak Pembimbing"
70                  android:layout_marginTop="10dp"/>
71
72              <EditText
73                  android:id="@+id/et_kontak"
74                  android:layout_width="match_parent"
75                  android:layout_height="wrap_content"
76                  android:layout_marginVertical="8dp"
77                  android:paddingHorizontal="10dp"
78                  android:paddingVertical="10dp"
79                  android:background="@drawable/custom_edittext"/>
80
81              <TextView
82                  android:layout_width="match_parent"
83                  android:layout_height="wrap_content"
84                  android:text="Nama Perusahaan"
85                  android:layout_marginTop="10dp"/>
86
87              <EditText
88                  android:id="@+id/et_perusahaan"
89                  android:layout_width="match_parent"
90                  android:layout_height="wrap_content"
91                  android:layout_marginVertical="8dp"
92                  android:paddingHorizontal="10dp"
93                  android:paddingVertical="10dp"
94                  android:background="@drawable/custom_edittext"/>
95
96              <TextView
97                  android:layout_width="match_parent"
98                  android:layout_height="wrap_content"
99                  android:text="Username"
100                 android:layout_marginTop="10dp"/>
101
102             <EditText
103                 android:id="@+id/et_username"
104                 android:layout_width="match_parent"
105                 android:layout_height="wrap_content"
106                 android:layout_marginVertical="8dp"
107                 android:paddingHorizontal="10dp"
108                 android:paddingVertical="10dp"
109                 android:background="@drawable/custom_edittext"/>
110
```

```xml
111          <TextView
112              android:layout_width="match_parent"
113              android:layout_height="wrap_content"
114              android:text="Password"
115              android:layout_marginTop="10dp"/>
116
117          <EditText
118              android:id="@+id/et_password"
119              android:layout_width="match_parent"
120              android:layout_height="wrap_content"
121              android:layout_marginVertical="8dp"
122              android:paddingHorizontal="10dp"
123              android:paddingVertical="10dp"
124              android:inputType="textPassword"
125              android:background="@drawable/custom_edittext"/>
126
127          <TextView
128              android:layout_width="match_parent"
129              android:layout_height="wrap_content"
130              android:text="Konfirmasi Password"
131              android:layout_marginTop="10dp"/>
132
133          <EditText
134              android:id="@+id/et_cpassword"
135              android:layout_width="match_parent"
136              android:layout_height="wrap_content"
137              android:layout_marginVertical="8dp"
138              android:paddingHorizontal="10dp"
139              android:paddingVertical="10dp"
140              android:inputType="textPassword"
141              android:background="@drawable/custom_edittext"/>
142
143          <Button
144              android:id="@+id/btn_save"
145              android:layout_width="match_parent"
146              android:layout_height="wrap_content"
147              android:text="Registrasi"
148              android:layout_marginVertical="12dp"
149              android:textColor="@android:color/white"
150              android:background="@color/colorPrimaryDark"/>
151
152      </LinearLayout>
153
154  </LinearLayout>
155
156 </ScrollView>
```

```java
1  package com.divakrishnam.actspotpembimbingeksternal.activity;
2
3  import androidx.annotation.NonNull;
4  import androidx.appcompat.app.AppCompatActivity;
5  import androidx.core.app.ActivityCompat;
6  import androidx.core.content.ContextCompat;
7
8  import android.Manifest;
9  import android.app.ProgressDialog;
```

```
10  import android.content.Context;
11  import android.content.Intent;
12  import android.content.pm.PackageManager;
13  import android.graphics.BitmapFactory;
14  import android.location.Location;
15  import android.location.LocationListener;
16  import android.location.LocationManager;
17  import android.os.Bundle;
18  import android.util.Log;
19  import android.view.View;
20  import android.widget.Button;
21  import android.widget.EditText;
22  import android.widget.Toast;
23
24  import com.divakrishnam.actspotpembimbingeksternal.R;
25  import com.divakrishnam.actspotpembimbingeksternal.api.APIClient;
26  import com.divakrishnam.actspotpembimbingeksternal.api.APIService;
27  import com.divakrishnam.actspotpembimbingeksternal.model.ResponseInfo
        ;
28  import com.divakrishnam.actspotpembimbingeksternal.util.
        SharedPrefManager;
29  import com.mapbox.android.core.permissions.PermissionsListener;
30  import com.mapbox.android.core.permissions.PermissionsManager;
31  import com.mapbox.mapboxsdk.Mapbox;
32  import com.mapbox.mapboxsdk.location.LocationComponent;
33  import com.mapbox.mapboxsdk.location.
        LocationComponentActivationOptions;
34  import com.mapbox.mapboxsdk.location.modes.CameraMode;
35  import com.mapbox.mapboxsdk.location.modes.RenderMode;
36  import com.mapbox.mapboxsdk.maps.MapView;
37  import com.mapbox.mapboxsdk.maps.MapboxMap;
38  import com.mapbox.mapboxsdk.maps.OnMapReadyCallback;
39  import com.mapbox.mapboxsdk.maps.Style;
40
41  import java.util.List;
42
43  import retrofit2.Call;
44  import retrofit2.Callback;
45  import retrofit2.Response;
46
47  public class RegisterActivity extends AppCompatActivity implements
        OnMapReadyCallback, LocationListener, PermissionsListener, View.
        OnClickListener {
48
49      private PermissionsManager permissionsManager;
50      private MapboxMap mapboxMap;
51      private MapView mapView;
52
53      private String latitude = "";
54      private String longtitude = "";
55      private LocationManager locationManager;
56
57      private APIService mApiInterface;
58      private SharedPrefManager pref;
59
```

```java
60        private EditText etNama, etKontak, etPerusahaan, etUsername,
      etPassword, etCPassword;
61        private Button btnSave;
62
63        @Override
64        protected void onCreate(Bundle savedInstanceState) {
65            super.onCreate(savedInstanceState);
66
67            if (ContextCompat.checkSelfPermission(getApplicationContext()
      , android.Manifest.permission.ACCESS_FINE_LOCATION) !=
      PackageManager.PERMISSION_GRANTED && ActivityCompat.
      checkSelfPermission(getApplicationContext(), android.Manifest.
      permission.ACCESS_COARSE_LOCATION) != PackageManager.
      PERMISSION_GRANTED) {
68                ActivityCompat.requestPermissions(this, new String[]{
      android.Manifest.permission.ACCESS_FINE_LOCATION, android.
      Manifest.permission.ACCESS_COARSE_LOCATION}, 100);
69            }
70
71            Mapbox.getInstance(this, getString(R.string.access_token));
72            setContentView(R.layout.activity_register);
73            mapView = findViewById(R.id.mapView);
74            mapView.onCreate(savedInstanceState);
75            mapView.getMapAsync(this);
76
77            etNama = findViewById(R.id.et_nama);
78            etKontak = findViewById(R.id.et_kontak);
79            etPerusahaan = findViewById(R.id.et_perusahaan);
80            etUsername = findViewById(R.id.et_username);
81            etPassword = findViewById(R.id.et_password);
82            etCPassword = findViewById(R.id.et_cpassword);
83            btnSave = findViewById(R.id.btn_save);
84
85            btnSave.setOnClickListener(this);
86
87            pref = SharedPrefManager.getInstance(getApplicationContext())
      ;
88            mApiInterface = APIClient.getClient().create(APIService.class
      );
89
90            getLocation();
91        }
92
93        private void registerPembimbing() {
94            String nama = etNama.getText().toString();
95            String kontak = etKontak.getText().toString();
96            String perusahaan = etPerusahaan.getText().toString();
97            String username = etUsername.getText().toString();
98            String password = etPassword.getText().toString();
99            String cPassword = etCPassword.getText().toString();
100
101           boolean state = true;
102
103           if (password.equals(cPassword)) {
104               state = false;
105           }
```

```
106
107          Log.d("kiki", nama + kontak + perusahaan + username +
        password + cPassword + latitude + longtitude);
108
109          if (!nama.isEmpty() && !kontak.isEmpty() && !perusahaan.
        isEmpty() && !username.isEmpty() && !password.isEmpty() && !
        cPassword.isEmpty() && !state) {
110              final ProgressDialog progressDialog = new ProgressDialog(
        this);
111              progressDialog.setMessage("Register...");
112              progressDialog.setCancelable(false);
113              progressDialog.show();
114
115              Call<ResponseInfo> call = mApiInterface.
        pembimbingRegistrasi(nama, kontak, perusahaan, username, password
        , latitude, longtitude);
116              call.enqueue(new Callback<ResponseInfo>() {
117                  @Override
118                  public void onResponse(Call<ResponseInfo> call,
        Response<ResponseInfo> response) {
119                      progressDialog.dismiss();
120                      Toast.makeText(getApplicationContext(), response.
        body().getMessage(), Toast.LENGTH_LONG).show();
121                      if (response.body().getStatus().equals("200")) {
122                          finish();
123                      }
124                  }
125
126                  @Override
127                  public void onFailure(Call<ResponseInfo> call,
        Throwable t) {
128                      progressDialog.dismiss();
129                      Toast.makeText(getApplicationContext(), "Error :
        " + t.getMessage(), Toast.LENGTH_LONG).show();
130                  }
131              });
132          }
133      }
134
135      @Override
136      public void onClick(View view) {
137          if (view == btnSave) {
138              registerPembimbing();
139          }
140      }
141
142      @Override
143      public void onMapReady(@NonNull MapboxMap mapboxMap) {
144          RegisterActivity.this.mapboxMap = mapboxMap;
145          mapboxMap.getUiSettings().setAllGesturesEnabled(false);
146          mapboxMap.setStyle(new Style.Builder().fromUrl("mapbox://
        styles/mapbox/cjf4m44iw0uza2spb3q0a7s41"),
147                  this::enableLocationComponent);
148      }
149
150      @SuppressWarnings({"MissingPermission"})
```

```
151     private void enableLocationComponent(@NonNull Style
        loadedMapStyle) {
152         if (PermissionsManager.areLocationPermissionsGranted(this)) {
153             LocationComponent locationComponent = mapboxMap.
        getLocationComponent();
154             locationComponent.activateLocationComponent(
155                     LocationComponentActivationOptions.builder(this,
        loadedMapStyle).build());
156             locationComponent.setLocationComponentEnabled(true);
157             locationComponent.setCameraMode(CameraMode.TRACKING);
158             locationComponent.setRenderMode(RenderMode.COMPASS);
159         } else {
160             permissionsManager = new PermissionsManager(this);
161             permissionsManager.requestLocationPermissions(this);
162         }
163     }
164
165     @Override
166     public void onExplanationNeeded(List<String> permissionsToExplain
        ) {
167         Toast.makeText(this, "Lala", Toast.LENGTH_LONG).show();
168     }
169
170     @Override
171     public void onPermissionResult(boolean granted) {
172         if (granted) {
173             mapboxMap.getStyle(style -> enableLocationComponent(style
        ));
174         } else {
175             Toast.makeText(this, "Tidak dikasi", Toast.LENGTH_LONG).
        show();
176             finish();
177         }
178     }
179
180     @Override
181     public void onRequestPermissionsResult(int requestCode, @NonNull
        String[] permissions, @NonNull int[] grantResults) {
182         if (requestCode == 100) {
183             if (grantResults[0] == PackageManager.PERMISSION_GRANTED)
         {
184                 mapboxMap.getStyle(this::enableLocationComponent);
185                 Toast.makeText(this, "Map permission granted", Toast.
        LENGTH_LONG).show();
186                 getLocation();
187             }else{
188                 Toast.makeText(this, "Map permission disgranted",
        Toast.LENGTH_LONG).show();
189             }
190         }
191     }
192
193     @Override
194     @SuppressWarnings({"MissingPermission"})
195     protected void onStart() {
196         super.onStart();
```

```
197              mapView.onStart();
198          }
199
200          @Override
201          protected void onResume() {
202              super.onResume();
203              mapView.onResume();
204          }
205
206          @Override
207          protected void onPause() {
208              super.onPause();
209              mapView.onPause();
210          }
211
212          @Override
213          protected void onStop() {
214              super.onStop();
215              mapView.onStop();
216          }
217
218          @Override
219          protected void onSaveInstanceState(Bundle outState) {
220              super.onSaveInstanceState(outState);
221              mapView.onSaveInstanceState(outState);
222          }
223
224          @Override
225          protected void onDestroy() {
226              super.onDestroy();
227              mapView.onDestroy();
228          }
229
230          @Override
231          public void onLowMemory() {
232              super.onLowMemory();
233              mapView.onLowMemory();
234          }
235
236          @Override
237          public void onLocationChanged(Location location) {
238              latitude = String.valueOf(location.getLatitude());
239              longtitude = String.valueOf(location.getLongitude());
240          }
241
242          @Override
243          public void onStatusChanged(String s, int i, Bundle bundle) {
244
245          }
246
247          @Override
248          public void onProviderEnabled(String s) {
249
250          }
251
252          @Override
```

```
253     public void onProviderDisabled(String s) {
254         Toast.makeText(this, "Please Enable GPS and Internet", Toast.
        LENGTH_SHORT).show();
255     }
256
257     private void getLocation() {
258         try {
259             locationManager = (LocationManager) getSystemService(
        Context.LOCATION_SERVICE);
260             locationManager.requestLocationUpdates(LocationManager.
        NETWORK_PROVIDER, 5000, 5, this);
261         } catch (SecurityException e) {
262             e.printStackTrace();
263         }
264     }
265 }
```

Selanjutnya kita buat file activity_detail_progress.xml di package layout. Kemudian tambahkan script berikut di file tersebut.

```
1  <?xml version="1.0" encoding="utf-8"?>
2  <LinearLayout xmlns:android="http://schemas.android.com/apk/res/
        android"
3      xmlns:app="http://schemas.android.com/apk/res-auto"
4      xmlns:tools="http://schemas.android.com/tools"
5      android:layout_width="match_parent"
6      android:layout_height="match_parent"
7      android:orientation="vertical"
8      android:layout_marginHorizontal="12dp"
9      tools:context=".activity.TextActivity">
10
11     <TextView
12         android:id="@+id/tv_text"
13         android:layout_width="match_parent"
14         android:layout_height="wrap_content"
15         android:text="Teks"
16         android:layout_marginTop="10dp"/>
17
18     <EditText
19         android:id="@+id/et_text"
20         android:layout_width="match_parent"
21         android:layout_height="wrap_content"
22         android:layout_marginVertical="8dp"
23         android:paddingHorizontal="10dp"
24         android:paddingVertical="10dp"
25         android:background="@drawable/custom_edittext"/>
26
27     <Button
28         android:id="@+id/btn_savetext"
29         android:layout_width="match_parent"
30         android:layout_height="wrap_content"
31         android:text="Simpan"/>
32
33 </LinearLayout>
```

```
1  package com.divakrishnam.actspotpembimbingeksternal.activity;
2
```

```java
3  import androidx.appcompat.app.AppCompatActivity;

5  import android.app.ProgressDialog;
6  import android.os.Bundle;
7  import android.util.Log;
8  import android.view.View;
9  import android.widget.Button;
10 import android.widget.EditText;
11 import android.widget.TextView;
12 import android.widget.Toast;

14 import com.divakrishnam.actspotpembimbingeksternal.R;
15 import com.divakrishnam.actspotpembimbingeksternal.api.APIClient;
16 import com.divakrishnam.actspotpembimbingeksternal.api.APIService;
17 import com.divakrishnam.actspotpembimbingeksternal.model.Login;
18 import com.divakrishnam.actspotpembimbingeksternal.model.ResponseInfo
       ;
19 import com.divakrishnam.actspotpembimbingeksternal.util.
       SharedPrefManager;

21 import retrofit2.Call;
22 import retrofit2.Callback;
23 import retrofit2.Response;

25 public class TextActivity extends AppCompatActivity implements View.
       OnClickListener {

27     public static final String EXTRA_NAMA = "extra_nama";
28     public static final String EXTRA_KONTAK = "extra_kontak";
29     public static final String EXTRA_USER = "extra_user";
30     public static final String EXTRA_PERUSAHAAN = "extra_perusahaan";

32     private TextView tvText;
33     private EditText etText;
34     private Button btnSave;

36     private String user, nama, kontak, perusahaan;

38     private SharedPrefManager pref;
39     private APIService mApiInterface;

41     @Override
42     protected void onCreate(Bundle savedInstanceState) {
43         super.onCreate(savedInstanceState);
44         setContentView(R.layout.activity_text);


47         tvText = findViewById(R.id.tv_text);
48         etText = findViewById(R.id.et_text);
49         btnSave = findViewById(R.id.btn_savetext);

51         pref = SharedPrefManager.getInstance(getApplicationContext())
       ;
52         mApiInterface = APIClient.getClient().create(APIService.class
       );
53
```

```
54            user = getIntent().getStringExtra(EXTRA_USER);
55            nama = getIntent().getStringExtra(EXTRA_NAMA);
56            kontak = getIntent().getStringExtra(EXTRA_KONTAK);
57            perusahaan = getIntent().getStringExtra(EXTRA_PERUSAHAAN);
58
59            if (user!=null){
60                tvText.setText("Username");
61                etText.setText(user);
62                etText.setSelection(user.length());
63            }else if (nama!=null){
64                tvText.setText("Nama");
65                etText.setText(nama);
66                etText.setSelection(nama.length());
67            }else if (kontak!=null){
68                tvText.setText("Kontak");
69                etText.setText(kontak);
70                etText.setSelection(kontak.length());
71            }else if(perusahaan!=null){
72                tvText.setText("Perusahaan");
73                etText.setText(perusahaan);
74                etText.setSelection(perusahaan.length());
75            }
76
77            btnSave.setOnClickListener(this);
78        }
79
80        @Override
81        public void onClick(View view) {
82            if (view == btnSave){
83                if (user!=null){
84                    saveUsername();
85                }else if (nama!=null){
86                    saveNama();
87                }else if (kontak!=null){
88                    saveKontak();
89                }else if (perusahaan!=null){
90                    savePerusahaan();
91                }
92            }
93        }
94
95        private void savePerusahaan() {
96            final ProgressDialog progressDialog = new ProgressDialog(this
       );
97            progressDialog.setMessage("Menyimpan data...");
98            progressDialog.setCancelable(false);
99            progressDialog.show();
100
101            String text = etText.getText().toString();
102            String idPembimbing = pref.getPembimbing().getIdPembimbing();
103
104            if (!text.isEmpty()){
105
106                Call<ResponseInfo> call = mApiInterface.
       pembimbingUbahPerusahaan(idPembimbing, text);
107                call.enqueue(new Callback<ResponseInfo>() {
```

```
108                     @Override
109                     public void onResponse(Call<ResponseInfo> call,
        Response<ResponseInfo> response) {
110                         progressDialog.dismiss();
111                         Toast.makeText(getApplicationContext(), response.
        body().getMessage(), Toast.LENGTH_LONG).show();
112                         if(response.body().getStatus().equals("200")) {
113                             Login login = pref.getPembimbing();
114                             login.setNamaPerusahaan(text);
115                             pref.pembimbingLogin(login);
116                             finish();
117                         }
118                     }
119
120                     @Override
121                     public void onFailure(Call<ResponseInfo> call,
        Throwable t) {
122                         progressDialog.dismiss();
123                         Toast.makeText(getApplicationContext(), "Error :
        "+t.getMessage(), Toast.LENGTH_LONG).show();
124                     }
125                 });
126             } else {
127                 Toast.makeText(getApplicationContext(), "Field kosong",
        Toast.LENGTH_SHORT).show();
128                 progressDialog.dismiss();
129             }
130         }
131
132         private void saveKontak() {
133             final ProgressDialog progressDialog = new ProgressDialog(this
        );
134             progressDialog.setMessage("Menyimpan data...");
135             progressDialog.setCancelable(false);
136             progressDialog.show();
137
138             String text = etText.getText().toString();
139             String idPembimbing = pref.getPembimbing().getIdPembimbing();
140
141             if (!text.isEmpty()){
142
143                 Call<ResponseInfo> call = mApiInterface.
        pembimbingUbahKontak(idPembimbing, text);
144                 call.enqueue(new Callback<ResponseInfo>() {
145                     @Override
146                     public void onResponse(Call<ResponseInfo> call,
        Response<ResponseInfo> response) {
147                         progressDialog.dismiss();
148                         Toast.makeText(getApplicationContext(), response.
        body().getMessage(), Toast.LENGTH_LONG).show();
149                         if(response.body().getStatus().equals("200")) {
150                             Login login = pref.getPembimbing();
151                             login.setKontakPembimbing(text);
152                             pref.pembimbingLogin(login);
153                             finish();
154                         }
```

```java
155                     }
156
157                     @Override
158                     public void onFailure(Call<ResponseInfo> call,
      Throwable t) {
159                         progressDialog.dismiss();
160                         Toast.makeText(getApplicationContext(), "Error :
      "+t.getMessage(), Toast.LENGTH_LONG).show();
161                     }
162                 });
163         } else {
164             Toast.makeText(getApplicationContext(), "Field kosong",
      Toast.LENGTH_SHORT).show();
165             progressDialog.dismiss();
166         }
167     }
168
169     private void saveNama() {
170         final ProgressDialog progressDialog = new ProgressDialog(this
      );
171         progressDialog.setMessage("Menyimpan data ...");
172         progressDialog.setCancelable(false);
173         progressDialog.show();
174
175         String text = etText.getText().toString();
176         String idPembimbing = pref.getPembimbing().getIdPembimbing();
177
178         if (!text.isEmpty()){
179
180             Call<ResponseInfo> call = mApiInterface.
      pembimbingUbahNama(idPembimbing, text);
181             call.enqueue(new Callback<ResponseInfo>() {
182                 @Override
183                 public void onResponse(Call<ResponseInfo> call,
      Response<ResponseInfo> response) {
184                     progressDialog.dismiss();
185                     Toast.makeText(getApplicationContext(), response.
      body().getMessage(), Toast.LENGTH_LONG).show();
186                     if(response.body().getStatus().equals("200")) {
187                         Login login = pref.getPembimbing();
188                         login.setNamaPembimbing(text);
189                         pref.pembimbingLogin(login);
190                         finish();
191                     }
192                 }
193
194                 @Override
195                 public void onFailure(Call<ResponseInfo> call,
      Throwable t) {
196                     progressDialog.dismiss();
197                     Toast.makeText(getApplicationContext(), "Error :
      "+t.getMessage(), Toast.LENGTH_LONG).show();
198                 }
199             });
200         } else {
```

```
201            Toast.makeText(getApplicationContext(), "Field kosong",
        Toast.LENGTH_SHORT).show();
202            progressDialog.dismiss();
203        }
204    }
205
206    private void saveUsername() {
207        final ProgressDialog progressDialog = new ProgressDialog(this
        );
208        progressDialog.setMessage("Menyimpan data...");
209        progressDialog.setCancelable(false);
210        progressDialog.show();
211
212        String text = etText.getText().toString();
213        String idPembimbing = pref.getPembimbing().getIdPembimbing();
214
215        if (!text.isEmpty()){
216
217            Call<ResponseInfo> call = mApiInterface.
        pembimbingUbahUsername(idPembimbing, text);
218            call.enqueue(new Callback<ResponseInfo>() {
219                @Override
220                public void onResponse(Call<ResponseInfo> call,
        Response<ResponseInfo> response) {
221                    progressDialog.dismiss();
222                    Toast.makeText(getApplicationContext(), response.
        body().getMessage(), Toast.LENGTH_LONG).show();
223                    if(response.body().getStatus().equals("200")) {
224                        Login login = pref.getPembimbing();
225                        login.setUsername(text);
226                        pref.pembimbingLogin(login);
227                        //Log.d("didi", login.getUsername()+" "+text)
        ;
228                        finish();
229                    }
230                }
231
232                @Override
233                public void onFailure(Call<ResponseInfo> call,
        Throwable t) {
234                    progressDialog.dismiss();
235                    Toast.makeText(getApplicationContext(), "Error :
        "+t.getMessage(), Toast.LENGTH_LONG).show();
236                }
237            });
238        }else {
239            Toast.makeText(getApplicationContext(), "Field kosong",
        Toast.LENGTH_SHORT).show();
240            progressDialog.dismiss();
241        }
242    }
243 }
```

Selanjutnya kita buat file activity_detail_progress.xml di package layout. Kemudian tambahkan script berikut di file tersebut.

```
1 <?xml version="1.0" encoding="utf-8"?>
```

```xml
2  <androidx.cardview.widget.CardView xmlns:android="http://schemas.
       android.com/apk/res/android"
3        android:orientation="vertical"
4        android:layout_width="match_parent"
5        android:layout_height="wrap_content"
6        android:layout_marginVertical="5dp"
7        android:layout_marginHorizontal="10dp">
8
9      <LinearLayout
10          android:layout_width="match_parent"
11          android:layout_height="wrap_content"
12          android:orientation="horizontal"
13          android:padding="10dp">
14
15          <de.hdodenhof.circleimageview.CircleImageView
16              android:id="@+id/img_mahasiswa"
17              android:layout_width="80dp"
18              android:layout_height="80dp"
19              android:src="@drawable/profile"/>
20
21          <LinearLayout
22              android:layout_width="match_parent"
23              android:layout_height="wrap_content"
24              android:orientation="vertical"
25              android:layout_weight="1"
26              android:layout_margin="8dp"
27              android:layout_gravity="center_vertical">
28
29              <TextView
30                  android:id="@+id/tv_mahasiswa"
31                  android:layout_width="match_parent"
32                  android:layout_height="wrap_content"
33                  android:textStyle="bold"
34                  android:text="Kadek Diva Krishna Murti"/>
35
36              <TextView
37                  android:id="@+id/tv_message"
38                  android:layout_width="match_parent"
39                  android:layout_height="wrap_content"
40                  android:text="Makan"/>
41
42          </LinearLayout>
43
44          <Button
45              android:id="@+id/btn_confirm"
46              android:layout_width="45dp"
47              android:layout_height="wrap_content"
48              android:paddingHorizontal="10dp"
49              android:drawableLeft="@drawable/ic_done_white"
50              android:background="@color/colorPrimaryDark"
51              android:layout_gravity="center_vertical"/>
52
53      </LinearLayout>
54
55  </androidx.cardview.widget.CardView>
```

```java
package com.divakrishnam.actspotpembimbingeksternal.adapter;

import android.app.ProgressDialog;
import android.content.Context;
import android.util.Log;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.Button;
import android.widget.ImageView;
import android.widget.TextView;
import android.widget.Toast;

import androidx.annotation.NonNull;
import androidx.recyclerview.widget.RecyclerView;

import com.bumptech.glide.Glide;
import com.divakrishnam.actspotpembimbingeksternal.R;
import com.divakrishnam.actspotpembimbingeksternal.api.APIClient;
import com.divakrishnam.actspotpembimbingeksternal.api.APIService;
import com.divakrishnam.actspotpembimbingeksternal.model.
    ConfirmAbsence;
import com.divakrishnam.actspotpembimbingeksternal.model.ResponseInfo
    ;
import com.divakrishnam.actspotpembimbingeksternal.util.
    SharedPrefManager;
import com.divakrishnam.actspotpembimbingeksternal.util.Urls;

import java.util.ArrayList;
import java.util.List;

import retrofit2.Call;
import retrofit2.Callback;
import retrofit2.Response;

public class ConfirmAbsenceAdapter extends RecyclerView.Adapter<
    ConfirmAbsenceAdapter.ConfirmAbsenceViewHolder> {
    private List<ConfirmAbsence> mList;
    private Context mContext;
    private ConfirmAbsenceListener mListener;

    public ConfirmAbsenceAdapter(Context context, List<ConfirmAbsence
    > list, ConfirmAbsenceListener listener) {
        mContext = context;
        mList = list;
        mListener = listener;
    }

    @NonNull
    @Override
    public ConfirmAbsenceViewHolder onCreateViewHolder(@NonNull
    ViewGroup parent, int viewType) {
        View mView = LayoutInflater.from(parent.getContext()).inflate
    (R.layout.item_confirm_notification, parent, false);
        ConfirmAbsenceViewHolder mViewHolder = new
    ConfirmAbsenceViewHolder(mView);
```

```
49          return mViewHolder;
50      }
51
52      @Override
53      public void onBindViewHolder(@NonNull ConfirmAbsenceViewHolder
        holder, int position) {
54          final ConfirmAbsence confirmAbsence = mList.get(position);
55
56          holder.tvMahasiswa.setText(confirmAbsence.getNamaMahasiswa())
        ;
57          holder.tvMessage.setText(confirmAbsence.getTglWaktu()+"\n"+
        confirmAbsence.getKegiatan());
58          Glide.with(mContext).load(Urls.IMAGE_URL+"mahasiswa/"+
        confirmAbsence.getFotoMahasiswa()).error(R.drawable.profile).into
        (holder.ivMahasiswa);
59          holder.btnConfirm.setOnClickListener(view -> confirmAbsence(
        confirmAbsence, position));
60      }
61
62      @Override
63      public int getItemCount() {
64          return mList.size();
65      }
66
67      public class ConfirmAbsenceViewHolder extends RecyclerView.
        ViewHolder {
68
69          ImageView ivMahasiswa;
70          TextView tvMahasiswa, tvMessage;
71          Button btnConfirm;
72
73          public ConfirmAbsenceViewHolder(@NonNull View itemView) {
74              super(itemView);
75
76              ivMahasiswa = itemView.findViewById(R.id.img_mahasiswa);
77              tvMahasiswa = itemView.findViewById(R.id.tv_mahasiswa);
78              tvMessage = itemView.findViewById(R.id.tv_message);
79              btnConfirm = itemView.findViewById(R.id.btn_confirm);
80          }
81      }
82
83      private void confirmAbsence(ConfirmAbsence confirmAbsence, int
        position) {
84          final ProgressDialog progressDialog = new ProgressDialog(
        mContext);
85          progressDialog.setMessage("Konfirmasi data...");
86          progressDialog.setCancelable(false);
87          progressDialog.show();
88
89
90          APIService mApiInterface = APIClient.getClient().create(
        APIService.class);
91          SharedPrefManager pref = SharedPrefManager.getInstance(
        mContext);
92
```

```
93          Call<ResponseInfo> call = mApiInterface.
        pembimbingKonfirmAbsensi(pref.getPembimbing().getIdPembimbing(),
        confirmAbsence.getIdMahasiswa(), confirmAbsence.getIdIntern(),
        confirmAbsence.getIdDosen(), confirmAbsence.getIdAbsensi());
94          call.enqueue(new Callback<ResponseInfo>() {
95              @Override
96              public void onResponse(Call<ResponseInfo> call, Response<
        ResponseInfo> response) {
97                  progressDialog.dismiss();
98                  Toast.makeText(mContext, response.body().getMessage()
        , Toast.LENGTH_LONG).show();
99                  if(response.body().getStatus().equals("200")){
100                     mList.remove(position);
101                     mListener.onConfirmAbsence();
102                 }
103             }
104
105             @Override
106             public void onFailure(Call<ResponseInfo> call, Throwable
        t) {
107                 progressDialog.dismiss();
108                 Toast.makeText(mContext, "Error : "+t.getMessage(),
        Toast.LENGTH_LONG).show();
109             }
110         });
111     }
112
113     public interface ConfirmAbsenceListener {
114         void onConfirmAbsence();
115     }
116 }
```

Selanjutnya kita buat file activity_detail_progress.xml di package layout. Kemudian tambahkan script berikut di file tersebut.

```
1  <?xml version="1.0" encoding="utf-8"?>
2  <androidx.cardview.widget.CardView xmlns:android="http://schemas.
       android.com/apk/res/android"
3      android:orientation="vertical"
4      android:layout_width="match_parent"
5      android:layout_height="wrap_content"
6      android:layout_marginVertical="5dp"
7      android:layout_marginHorizontal="10dp">
8
9      <LinearLayout
10         android:layout_width="match_parent"
11         android:layout_height="wrap_content"
12         android:orientation="horizontal"
13         android:padding="10dp">
14
15         <de.hdodenhof.circleimageview.CircleImageView
16             android:id="@+id/img_mahasiswa"
17             android:layout_width="80dp"
18             android:layout_height="80dp"
19             android:src="@drawable/profile"/>
20
21         <LinearLayout
```

```
22              android:layout_width="match_parent"
23              android:layout_height="wrap_content"
24              android:orientation="vertical"
25              android:layout_weight="1"
26              android:layout_margin="8dp"
27              android:layout_gravity="center_vertical">
28
29          <TextView
30              android:id="@+id/tv_mahasiswa"
31              android:layout_width="match_parent"
32              android:layout_height="wrap_content"
33              android:textStyle="bold"
34              android:text="Kadek Diva Krishna Murti"/>
35
36          <TextView
37              android:id="@+id/tv_message"
38              android:layout_width="match_parent"
39              android:layout_height="wrap_content"
40              android:text="Makan"/>
41
42      </LinearLayout>
43
44      <Button
45          android:id="@+id/btn_confirm"
46          android:layout_width="45dp"
47          android:layout_height="wrap_content"
48          android:paddingHorizontal="10dp"
49          android:drawableLeft="@drawable/ic_done_white"
50          android:background="@color/colorPrimaryDark"
51          android:layout_gravity="center_vertical"/>
52
53  </LinearLayout>
54
55 </androidx.cardview.widget.CardView>
```

```
1 package com.divakrishnam.actspotpembimbingeksternal.adapter;
2
3 import android.app.ProgressDialog;
4 import android.content.Context;
5 import android.view.LayoutInflater;
6 import android.view.View;
7 import android.view.ViewGroup;
8 import android.widget.Button;
9 import android.widget.ImageView;
10 import android.widget.TextView;
11 import android.widget.Toast;
12
13 import androidx.annotation.NonNull;
14 import androidx.recyclerview.widget.RecyclerView;
15
16 import com.bumptech.glide.Glide;
17 import com.divakrishnam.actspotpembimbingeksternal.R;
18 import com.divakrishnam.actspotpembimbingeksternal.api.APIClient;
19 import com.divakrishnam.actspotpembimbingeksternal.api.APIService;
20 import com.divakrishnam.actspotpembimbingeksternal.model.
       ConfirmMahasiswa;
```

```
21  import com. divakrishnam . actspotpembimbingeksternal . model . ResponseInfo
        ;
22  import com. divakrishnam . actspotpembimbingeksternal . util .
        SharedPrefManager ;
23  import com. divakrishnam . actspotpembimbingeksternal . util . Urls ;

24
25  import java . util . List ;

26
27  import retrofit2 . Call ;
28  import retrofit2 . Callback ;
29  import retrofit2 . Response ;

30
31  public class ConfirmMahasiswaAdapter extends RecyclerView . Adapter<
        ConfirmMahasiswaAdapter . ConfirmMahasiswaViewHolder> {
32      private List<ConfirmMahasiswa> mList ;
33      private Context mContext ;
34      private ConfirmMahasiswaListener mListener ;

35
36      public ConfirmMahasiswaAdapter ( Context context , List<
        ConfirmMahasiswa> list , ConfirmMahasiswaListener listener ) {
37          mContext = context ;
38          mList = list ;
39          mListener = listener ;
40      }

41
42      @NonNull
43      @Override
44      public ConfirmMahasiswaViewHolder onCreateViewHolder (@NonNull
        ViewGroup parent , int viewType ) {
45          View mView = LayoutInflater . from ( parent . getContext ( ) ) . inflate
        (R. layout . item_confirm_notification , parent , false ) ;
46          ConfirmMahasiswaViewHolder mViewHolder = new
        ConfirmMahasiswaViewHolder ( mView ) ;
47          return mViewHolder ;
48      }

49
50      @Override
51      public void onBindViewHolder (@NonNull ConfirmMahasiswaViewHolder
        holder , int position ) {
52          final ConfirmMahasiswa confirmMahasiswa = mList . get ( position )
        ;

53
54          holder . tvMahasiswa . setText ( confirmMahasiswa . getNamaMahasiswa
        ( ) ) ;
55          holder . tvMessage . setText ( confirmMahasiswa . getNamaProdi ( ) ) ;
56          Glide . with ( mContext ) . load ( Urls . IMAGE_URL+" mahasiswa /"+
        confirmMahasiswa . getFotoMahasiswa ( ) ) . error (R. drawable . profile ) .
        into ( holder . ivMahasiswa ) ;

57
58          holder . btnConfirm . setOnClickListener ( view -> confirmAbsence (
        confirmMahasiswa , position ) ) ;
59      }

60
61      @Override
62      public int getItemCount ( ) {
63          return mList . size ( ) ;
```

```
64        }
65
66        public class ConfirmMahasiswaViewHolder extends RecyclerView.
          ViewHolder {
67
68            ImageView ivMahasiswa;
69            TextView tvMahasiswa, tvMessage;
70            Button btnConfirm;
71
72            public ConfirmMahasiswaViewHolder(@NonNull View itemView) {
73                super(itemView);
74
75                ivMahasiswa = itemView.findViewById(R.id.img_mahasiswa);
76                tvMahasiswa = itemView.findViewById(R.id.tv_mahasiswa);
77                tvMessage = itemView.findViewById(R.id.tv_message);
78                btnConfirm = itemView.findViewById(R.id.btn_confirm);
79            }
80        }
81
82        private void confirmAbsence(ConfirmMahasiswa confirmMahasiswa,
          int position) {
83            final ProgressDialog progressDialog = new ProgressDialog(
          mContext);
84            progressDialog.setMessage("Konfirmasi data...");
85            progressDialog.setCancelable(false);
86            progressDialog.show();
87
88
89            APIService mApiInterface = APIClient.getClient().create(
          APIService.class);
90            SharedPrefManager pref = SharedPrefManager.getInstance(
          mContext);
91
92            Call<ResponseInfo> call = mApiInterface.
          pembimbingKonfirmMahasiswa(pref.getPembimbing().getIdPembimbing()
          , confirmMahasiswa.getIdMahasiswa(), confirmMahasiswa.getIdIntern
          (), confirmMahasiswa.getIdDosen());
93            call.enqueue(new Callback<ResponseInfo>() {
94                @Override
95                public void onResponse(Call<ResponseInfo> call, Response<
          ResponseInfo> response) {
96                    progressDialog.dismiss();
97                    Toast.makeText(mContext, response.body().getMessage()
          , Toast.LENGTH_LONG).show();
98                    if(response.body().getStatus().equals("200")){
99                        mList.remove(position);
100                       mListener.onConfirmMahasiswa();
101                   }
102               }
103
104               @Override
105               public void onFailure(Call<ResponseInfo> call, Throwable
          t) {
106                   progressDialog.dismiss();
107                   Toast.makeText(mContext, "Error : "+t.getMessage(),
          Toast.LENGTH_LONG).show();
```

```
108              }
109          });
110      }
111
112      public interface ConfirmMahasiswaListener {
113          void onConfirmMahasiswa();
114      }
115 }
```

Selanjutnya kita buat file activity_detail_progress.xml di package layout. Kemudian tambahkan script berikut di file tersebut.

```
1  <?xml version="1.0" encoding="utf-8"?>
2  <androidx.cardview.widget.CardView xmlns:android="http://schemas.
       android.com/apk/res/android"
3      android:orientation="vertical"
4      android:layout_width="match_parent"
5      android:layout_height="wrap_content"
6      android:layout_marginVertical="5dp"
7      android:layout_marginHorizontal="10dp">
8
9      <LinearLayout
10         android:layout_width="match_parent"
11         android:layout_height="wrap_content"
12         android:orientation="horizontal"
13         android:padding="10dp">
14
15         <de.hdodenhof.circleimageview.CircleImageView
16             android:id="@+id/img_mahasiswa"
17             android:layout_width="80dp"
18             android:layout_height="80dp"
19             android:src="@drawable/profile"/>
20
21         <LinearLayout
22             android:layout_width="match_parent"
23             android:layout_height="wrap_content"
24             android:orientation="vertical"
25             android:layout_gravity="center_vertical"
26             android:layout_margin="12dp">
27
28             <TextView
29                 android:id="@+id/tv_mahasiswa"
30                 android:layout_width="match_parent"
31                 android:layout_height="wrap_content"
32                 android:textStyle="bold"
33                 android:text="Kadek Diva Krishna Murti"/>
34
35             <TextView
36                 android:id="@+id/tv_angkatan"
37                 android:layout_width="match_parent"
38                 android:layout_height="wrap_content"
39                 android:text="2017"/>
40
41         </LinearLayout>
42
43     </LinearLayout>
44
```

```
45 </ androidx . cardview . widget . CardView>
```

```
 1  package com. divakrishnam . actspotpembimbingeksternal . adapter ;
 2
 3  import android . content . Context ;
 4  import android . content . Intent ;
 5  import android . view . LayoutInflater ;
 6  import android . view . View ;
 7  import android . view . ViewGroup ;
 8  import android . widget . ImageView ;
 9  import android . widget . TextView ;
10
11  import androidx . annotation . NonNull ;
12  import androidx . recyclerview . widget . RecyclerView ;
13
14  import com. bumptech . glide . Glide ;
15  import com. divakrishnam . actspotpembimbingeksternal . R;
16  import com. divakrishnam . actspotpembimbingeksternal . activity .
       DetailMahasiswaActivity ;
17  import com. divakrishnam . actspotpembimbingeksternal . model . Mahasiswa ;
18  import com. divakrishnam . actspotpembimbingeksternal . util . Urls ;
19
20  import java . util . List ;
21
22  public class MahasiswaAdapter extends RecyclerView . Adapter<
       MahasiswaAdapter . MahasiswaViewHolder> {
23      private List<Mahasiswa> mList ;
24      private Context mContext ;
25
26      public MahasiswaAdapter ( Context context , List<Mahasiswa> list ){
27          mContext = context ;
28          mList = list ;
29      }
30
31      @NonNull
32      @Override
33      public MahasiswaViewHolder onCreateViewHolder (@NonNull ViewGroup
       parent , int viewType ) {
34          View mView = LayoutInflater . from ( parent . getContext ()). inflate
       (R. layout . item_mahasiswa , parent , false );
35          MahasiswaViewHolder mViewHolder = new MahasiswaViewHolder (
       mView );
36          return mViewHolder ;
37      }
38
39      @Override
40      public void onBindViewHolder (@NonNull MahasiswaViewHolder holder ,
        int position ) {
41          final Mahasiswa mahasiswa = mList . get ( position );
42
43          holder . tvMahasiswa . setText ( mahasiswa . getNamaMahasiswa ());
44          holder . tvAngkatan . setText ( mahasiswa . getAngkatanMahasiswa ());
45          Glide . with ( mContext ). load ( Urls . IMAGE_URL+" mahasiswa /"+
       mahasiswa . getFotoMahasiswa ()). error (R. drawable . profile ). into (
       holder . ivMahasiswa );
46
```

```
47          holder.itemView.setOnClickListener(view -> {
48              Intent intent = new Intent(mContext,
     DetailMahasiswaActivity.class);
49              intent.putExtra(DetailMahasiswaActivity.EXTRA_MAHASISWA,
     mahasiswa);
50              mContext.startActivity(intent);
51          });
52      }
53
54      @Override
55      public int getItemCount() {
56          return mList.size();
57      }
58
59      public class MahasiswaViewHolder extends RecyclerView.ViewHolder
     {
60
61          ImageView ivMahasiswa;
62          TextView tvMahasiswa, tvAngkatan;
63
64          public MahasiswaViewHolder(@NonNull View itemView) {
65              super(itemView);
66
67              ivMahasiswa = itemView.findViewById(R.id.img_mahasiswa);
68              tvMahasiswa = itemView.findViewById(R.id.tv_mahasiswa);
69              tvAngkatan = itemView.findViewById(R.id.tv_angkatan);
70          }
71      }
72 }
```

Selanjutnya kita buat file activity_detail_progress.xml di package layout. Kemudian tambahkan script berikut di file tersebut.

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <androidx.cardview.widget.CardView xmlns:android="http://schemas.
     android.com/apk/res/android"
3     android:orientation="vertical"
4     android:layout_width="match_parent"
5     android:layout_height="wrap_content"
6     android:layout_marginHorizontal="10dp"
7     android:layout_marginVertical="5dp">
8
9         <LinearLayout
10            android:layout_width="match_parent"
11            android:layout_height="wrap_content"
12            android:orientation="vertical"
13            android:layout_margin="12dp">
14
15            <TextView
16                android:id="@+id/tv_message"
17                android:layout_width="match_parent"
18                android:layout_height="wrap_content"
19                android:text="Pesan."/>
20
21            <TextView
22                android:id="@+id/tv_time"
23                android:layout_width="match_parent"
```

```
24                      android:layout_height="wrap_content"
25                      android:textStyle="bold"
26                      android:textSize="12sp"
27                      android:layout_marginTop="4dp"
28                      android:text="2019-12-12 18:00:00"/>
29
30          </LinearLayout>
31
32  </androidx.cardview.widget.CardView>
```

```
1  package com.divakrishnam.actspotpembimbingeksternal.adapter;
2
3  import android.content.Context;
4  import android.view.LayoutInflater;
5  import android.view.View;
6  import android.view.ViewGroup;
7  import android.widget.ImageView;
8  import android.widget.TextView;
9
10  import androidx.annotation.NonNull;
11  import androidx.recyclerview.widget.RecyclerView;
12
13  import com.bumptech.glide.Glide;
14  import com.divakrishnam.actspotpembimbingeksternal.R;
15  import com.divakrishnam.actspotpembimbingeksternal.model.Notification
        ;
16
17  import java.util.List;
18
19  public class NotificationAdapter extends RecyclerView.Adapter<
        NotificationAdapter.NotificationViewHolder> {
20      private List<Notification> mList;
21      private Context mContext;
22
23      public NotificationAdapter(Context context, List<Notification>
        list){
24          mContext = context;
25          mList = list;
26      }
27
28      @NonNull
29      @Override
30      public NotificationViewHolder onCreateViewHolder(@NonNull
        ViewGroup parent, int viewType) {
31          View mView = LayoutInflater.from(parent.getContext()).inflate
        (R.layout.item_notification, parent, false);
32          NotificationViewHolder mViewHolder = new
        NotificationViewHolder(mView);
33          return mViewHolder;
34      }
35
36      @Override
37      public void onBindViewHolder(@NonNull NotificationViewHolder
        holder, int position) {
38          final Notification notification = mList.get(position);
39
```

```
40          holder.tvTime.setText(notification.getTglWaktu());
41          holder.tvMessage.setText(notification.getPesan());
42      }
43
44      @Override
45      public int getItemCount() {
46          return mList.size();
47      }
48
49      public class NotificationViewHolder extends RecyclerView.
        ViewHolder {
50          TextView tvTime, tvMessage;
51
52          public NotificationViewHolder(@NonNull View itemView) {
53              super(itemView);
54
55              tvTime = itemView.findViewById(R.id.tv_time);
56              tvMessage = itemView.findViewById(R.id.tv_message);
57          }
58      }
59 }
```

```
1 package com.divakrishnam.actspotpembimbingeksternal.adapter;
2
3 import android.content.Context;
4
5 import androidx.annotation.NonNull;
6 import androidx.annotation.Nullable;
7 import androidx.fragment.app.Fragment;
8 import androidx.fragment.app.FragmentManager;
9 import androidx.fragment.app.FragmentPagerAdapter;
10 import androidx.fragment.app.FragmentStatePagerAdapter;
11
12 import com.divakrishnam.actspotpembimbingeksternal.fragment.
       AbsenceConfirmFragment;
13 import com.divakrishnam.actspotpembimbingeksternal.fragment.
       MahasiswaConfirmFragment;
14
15 public class PageAdapter extends FragmentPagerAdapter {
16
17      public PageAdapter(FragmentManager fm) {
18          super(fm);
19      }
20
21      @Override
22      public Fragment getItem(int i) {
23          switch (i){
24              case 0:
25                  return new AbsenceConfirmFragment();
26              case 1:
27                  return new MahasiswaConfirmFragment();
28          }
29          return null;
30      }
31
32      @Override
```

```
33      public int getCount() {
34          return 2;
35      }
36
37      @Nullable
38      @Override
39      public CharSequence getPageTitle(int position) {
40          switch (position){
41              case 0:
42                  return "Absensi";
43              case 1:
44                  return "Mahasiswa";
45          }
46          return super.getPageTitle(position);
47      }
48 }
```

Selanjutnya kita buat file activity_detail_progress.xml di package layout. Kemudian tambahkan script berikut di file tersebut.

```
1  <RelativeLayout xmlns:android="http://schemas.android.com/apk/res/
      android"
2      xmlns:tools="http://schemas.android.com/tools"
3      android:layout_width="match_parent"
4      android:layout_height="match_parent"
5      tools:context=".fragment.">
6
7      <ProgressBar
8          android:id="@+id/pb_progress"
9          style="?android:attr/progressBarStyle"
10         android:layout_width="wrap_content"
11         android:layout_height="wrap_content"
12         android:layout_centerHorizontal="true"
13         android:layout_centerVertical="true"
14         android:maxWidth="30dp"
15         android:maxHeight="30dp"
16         android:minWidth="30dp"
17         android:minHeight="30dp"
18         android:visibility="gone" />
19
20     <TextView
21         android:id="@+id/tv_error"
22         android:layout_width="wrap_content"
23         android:layout_height="wrap_content"
24         android:layout_centerHorizontal="true"
25         android:layout_centerVertical="true"
26         android:text="Gagal memuat data"
27         android:visibility="gone"/>
28
29     <ScrollView
30         android:layout_width="match_parent"
31         android:layout_height="wrap_content"
32         android:layout_centerHorizontal="true">
33
34         <LinearLayout
35             android:layout_width="match_parent"
36             android:layout_height="wrap_content"
```

```
37                        android:layout_marginBottom="80dp"
38                        android:orientation="vertical">
39
40                    <androidx.recyclerview.widget.RecyclerView
41                        android:id="@+id/rv_mahasiswa"
42                        android:layout_width="match_parent"
43                        android:layout_height="match_parent"
44                        android:scrollbars="vertical" />
45
46                </LinearLayout>
47
48            </ScrollView>
49
50    </RelativeLayout>
```

```java
1  package com.divakrishnam.actspotpembimbingeksternal.fragment;
2
3
4  import android.os.Bundle;
5
6  import androidx.annotation.NonNull;
7  import androidx.annotation.Nullable;
8  import androidx.fragment.app.Fragment;
9  import androidx.recyclerview.widget.LinearLayoutManager;
10 import androidx.recyclerview.widget.RecyclerView;
11
12 import android.view.LayoutInflater;
13 import android.view.View;
14 import android.view.ViewGroup;
15 import android.widget.ProgressBar;
16 import android.widget.TextView;
17
18 import com.divakrishnam.actspotpembimbingeksternal.R;
19 import com.divakrishnam.actspotpembimbingeksternal.adapter.
       ConfirmAbsenceAdapter;
20 import com.divakrishnam.actspotpembimbingeksternal.api.APIClient;
21 import com.divakrishnam.actspotpembimbingeksternal.api.APIService;
22 import com.divakrishnam.actspotpembimbingeksternal.model.
       ConfirmAbsence;
23 import com.divakrishnam.actspotpembimbingeksternal.model.
       ResponseConfirmAbsence;
24 import com.divakrishnam.actspotpembimbingeksternal.util.
       SharedPrefManager;
25
26 import java.util.List;
27
28 import retrofit2.Call;
29 import retrofit2.Callback;
30 import retrofit2.Response;
31
32 public class AbsenceConfirmFragment extends Fragment implements
       ConfirmAbsenceAdapter.ConfirmAbsenceListener {
33
34     private RecyclerView rvMahasiswa;
35
36     private APIService mApiInterface;
```

```
37      private SharedPrefManager pref;

38
39      private ProgressBar pbProgress;
40      private TextView tvError;

41
42      private ConfirmAbsenceAdapter confirmAbsenceAdapter;

43
44      public AbsenceConfirmFragment() {
45      }

46

47
48      @Override
49      public View onCreateView(LayoutInflater inflater, ViewGroup
        container,
50                                   Bundle savedInstanceState) {

51
52          return inflater.inflate(R.layout.fragment_absence_confirm,
        container, false);
53      }

54
55      @Override
56      public void onViewCreated(@NonNull View view, @Nullable Bundle
        savedInstanceState) {
57          super.onViewCreated(view, savedInstanceState);

58
59          pbProgress = view.findViewById(R.id.pb_progress);
60          rvMahasiswa = view.findViewById(R.id.rv_mahasiswa);
61          tvError = view.findViewById(R.id.tv_error);

62
63          pref = SharedPrefManager.getInstance(getContext());
64          mApiInterface = APIClient.getClient().create(APIService.class
        );

65
66          showAbsenceConfirm();
67      }

68
69      private void showAbsenceConfirm() {
70          showLoading(true);

71
72          String idPembimbing = pref.getPembimbing().getIdPembimbing();

73
74          rvMahasiswa.setLayoutManager(new LinearLayoutManager(
        getContext()));

75
76          Call<ResponseConfirmAbsence> call = mApiInterface.
        pembimbingListKonfirmAbsensi(idPembimbing);
77          call.enqueue(new Callback<ResponseConfirmAbsence>() {
78              @Override
79              public void onResponse(Call<ResponseConfirmAbsence> call,
         Response<ResponseConfirmAbsence> response) {
80                  showLoading(false);
81                  if (response.body().getStatus().equals("200")){
82                      showConfirm(response.body().getData());
83                  }else{
84                      showMessage(true, response.body().getMessage());
85                  }
```

```
86                }
87
88                @Override
89                public void onFailure(Call<ResponseConfirmAbsence> call,
       Throwable t) {
90                    showLoading(false);
91                    showMessage(true, t.getMessage());
92                }
93          });
94      }
95
96      private void showConfirm(List<ConfirmAbsence> data){
97          confirmAbsenceAdapter = new ConfirmAbsenceAdapter(getContext
       (), data, this);
98          confirmAbsenceAdapter.notifyDataSetChanged();
99          rvMahasiswa.setAdapter(confirmAbsenceAdapter);
100         confirmAbsenceAdapter.notifyDataSetChanged();
101     }
102
103     private void showLoading(Boolean state) {
104         if (state) {
105             pbProgress.setVisibility(View.VISIBLE);
106         } else {
107             pbProgress.setVisibility(View.GONE);
108         }
109     }
110
111     private void showMessage(Boolean state, String message) {
112         if (state) {
113             tvError.setText(message);
114             tvError.setVisibility(View.VISIBLE);
115         } else {
116             tvError.setVisibility(View.GONE);
117         }
118     }
119
120     @Override
121     public void onConfirmAbsence() {
122         showAbsenceConfirm();
123     }
124
125     @Override
126     public void onResume() {
127         super.onResume();
128         //showAbsenceConfirm();
129     }
130 }
```

Selanjutnya kita buat file activity_detail_progress.xml di package layout. Kemudian tambahkan script berikut di file tersebut.

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <LinearLayout xmlns:android="http://schemas.android.com/apk/res/
      android"
3     xmlns:tools="http://schemas.android.com/tools"
4     android:layout_width="match_parent"
5     android:layout_height="match_parent"
```

```
6        xmlns:app="http://schemas.android.com/apk/res-auto"
7        android:orientation="vertical"
8        tools:context=".fragment.ConfirmationFragment">
9
10   <com.google.android.material.tabs.TabLayout
11        android:id="@+id/tabLayout"
12        android:layout_width="match_parent"
13        android:layout_height="wrap_content"
14        android:background="@color/colorPrimary"
15        app:tabIndicatorColor="@android:color/white"
16        app:tabTextColor="@android:color/white"
17        app:tabMode="fixed"/>
18
19   <androidx.viewpager.widget.ViewPager
20        android:id="@+id/pager"
21        android:layout_width="match_parent"
22        android:layout_height="match_parent"/>
23
24 </LinearLayout>
```

```
1  package com.divakrishnam.actspotpembimbingeksternal.fragment;
2
3
4  import android.os.Bundle;
5
6  import androidx.annotation.NonNull;
7  import androidx.annotation.Nullable;
8  import androidx.appcompat.app.AppCompatActivity;
9  import androidx.fragment.app.Fragment;
10 import androidx.viewpager.widget.ViewPager;
11
12 import android.view.LayoutInflater;
13 import android.view.View;
14 import android.view.ViewGroup;
15
16 import com.divakrishnam.actspotpembimbingeksternal.R;
17 import com.divakrishnam.actspotpembimbingeksternal.activity.
       MainActivity;
18 import com.divakrishnam.actspotpembimbingeksternal.adapter.
       PageAdapter;
19 import com.google.android.material.tabs.TabLayout;
20
21 public class ConfirmationFragment extends Fragment{
22
23     private TabLayout tabLayout;
24
25     private ViewPager viewPager;
26
27     public ConfirmationFragment() {
28     }
29
30
31     @Override
32     public View onCreateView(LayoutInflater inflater, ViewGroup
       container,
33                                Bundle savedInstanceState) {
```

```
34
35          ((MainActivity) getActivity()).setActionBarTitle("
        Confirmation");
36          return inflater.inflate(R.layout.fragment_confirmation,
        container, false);
37      }
38
39      @Override
40      public void onViewCreated(@NonNull View view, @Nullable Bundle
        savedInstanceState) {
41          super.onViewCreated(view, savedInstanceState);
42
43          ((AppCompatActivity) getActivity()).getSupportActionBar().
        setElevation(0);
44          viewPager = view.findViewById(R.id.pager);
45          PageAdapter pageAdapter = new PageAdapter(
        getChildFragmentManager());
46          viewPager.setAdapter(pageAdapter);
47
48          tabLayout = view.findViewById(R.id.tabLayout);
49          tabLayout.setupWithViewPager(viewPager);
50      }
51 }
```

Selanjutnya kita buat file activity_detail_progress.xml di package layout. Kemu-
dian tambahkan script berikut di file tersebut.

```
1 <RelativeLayout xmlns:android="http://schemas.android.com/apk/res/
        android"
2      xmlns:tools="http://schemas.android.com/tools"
3      android:layout_width="match_parent"
4      android:layout_height="match_parent"
5      tools:context=".fragment.">
6
7      <ProgressBar
8          android:id="@+id/pb_progress"
9          style="?android:attr/progressBarStyle"
10         android:layout_width="wrap_content"
11         android:layout_height="wrap_content"
12         android:layout_centerHorizontal="true"
13         android:layout_centerVertical="true"
14         android:maxWidth="30dp"
15         android:maxHeight="30dp"
16         android:minWidth="30dp"
17         android:minHeight="30dp"
18         android:visibility="gone" />
19
20     <TextView
21         android:id="@+id/tv_error"
22         android:layout_width="wrap_content"
23         android:layout_height="wrap_content"
24         android:layout_centerHorizontal="true"
25         android:layout_centerVertical="true"
26         android:text="Gagal memuat data"
27         android:visibility="gone"/>
28
29     <ScrollView
```

```
30          android:layout_width="match_parent"
31          android:layout_height="wrap_content"
32          android:layout_centerHorizontal="true">
33
34          <LinearLayout
35              android:layout_width="match_parent"
36              android:layout_height="wrap_content"
37              android:layout_marginBottom="80dp"
38              android:orientation="vertical">
39
40              <androidx.recyclerview.widget.RecyclerView
41                  android:id="@+id/rv_mahasiswa"
42                  android:layout_width="match_parent"
43                  android:layout_height="match_parent"
44                  android:scrollbars="vertical" />
45
46          </LinearLayout>
47
48      </ScrollView>
49
50 </RelativeLayout>
```

```
1 package com.divakrishnam.actspotpembimbingeksternal.fragment;
2
3
4 import android.os.Bundle;
5
6 import androidx.annotation.NonNull;
7 import androidx.annotation.Nullable;
8 import androidx.fragment.app.Fragment;
9 import androidx.recyclerview.widget.LinearLayoutManager;
10 import androidx.recyclerview.widget.RecyclerView;
11
12 import android.view.LayoutInflater;
13 import android.view.View;
14 import android.view.ViewGroup;
15 import android.widget.ProgressBar;
16 import android.widget.TextView;
17
18 import com.divakrishnam.actspotpembimbingeksternal.R;
19 import com.divakrishnam.actspotpembimbingeksternal.adapter.
       ConfirmMahasiswaAdapter;
20 import com.divakrishnam.actspotpembimbingeksternal.api.APIClient;
21 import com.divakrishnam.actspotpembimbingeksternal.api.APIService;
22 import com.divakrishnam.actspotpembimbingeksternal.model.
       ConfirmMahasiswa;
23 import com.divakrishnam.actspotpembimbingeksternal.model.
       ResponseConfirmMahasiswa;
24 import com.divakrishnam.actspotpembimbingeksternal.util.
       SharedPrefManager;
25
26 import java.util.List;
27
28 import retrofit2.Call;
29 import retrofit2.Callback;
30 import retrofit2.Response;
```

```
31
32  public class MahasiswaConfirmFragment extends Fragment implements
        ConfirmMahasiswaAdapter.ConfirmMahasiswaListener {
33
34      private RecyclerView rvMahasiswa;
35
36      private APIService mApiInterface;
37      private SharedPrefManager pref;
38
39      private ProgressBar pbProgress;
40      private TextView tvError;
41
42      public MahasiswaConfirmFragment() {
43      }
44
45
46      @Override
47      public View onCreateView(LayoutInflater inflater, ViewGroup
        container,
48                               Bundle savedInstanceState) {
49          return inflater.inflate(R.layout.fragment_mahasiswa_confirm,
        container, false);
50      }
51
52      @Override
53      public void onViewCreated(@NonNull View view, @Nullable Bundle
        savedInstanceState) {
54          super.onViewCreated(view, savedInstanceState);
55
56          pbProgress = view.findViewById(R.id.pb_progress);
57          rvMahasiswa = view.findViewById(R.id.rv_mahasiswa);
58          tvError = view.findViewById(R.id.tv_error);
59
60          pref = SharedPrefManager.getInstance(getContext());
61          mApiInterface = APIClient.getClient().create(APIService.class
        );
62
63          showMahasiswaConfirm();
64      }
65
66      private void showMahasiswaConfirm() {
67          showLoading(true);
68
69          String idPembimbing = pref.getPembimbing().getIdPembimbing();
70
71          rvMahasiswa.setLayoutManager(new LinearLayoutManager(
        getContext()));
72
73          Call<ResponseConfirmMahasiswa> call = mApiInterface.
        pembimbingListKonfirmMahasiswa(idPembimbing);
74          call.enqueue(new Callback<ResponseConfirmMahasiswa>() {
75              @Override
76              public void onResponse(Call<ResponseConfirmMahasiswa>
        call, Response<ResponseConfirmMahasiswa> response) {
77                  showLoading(false);
78                  if (response.body().getStatus().equals("200")){
```

```
79                       showConfirm(response.body().getData());
80                  } else {
81                       showMessage(true, response.body().getMessage());
82                  }
83              }
84
85              @Override
86              public void onFailure(Call<ResponseConfirmMahasiswa> call
     , Throwable t) {
87                  showLoading(false);
88                  showMessage(true, t.getMessage());
89              }
90          });
91      }
92
93      private void showConfirm(List<ConfirmMahasiswa> data) {
94          ConfirmMahasiswaAdapter confirmMahasiswaAdapter = new
     ConfirmMahasiswaAdapter(getContext(), data, this);
95          confirmMahasiswaAdapter.notifyDataSetChanged();
96          rvMahasiswa.setAdapter(confirmMahasiswaAdapter);
97          confirmMahasiswaAdapter.notifyDataSetChanged();
98      }
99
100     private void showLoading(Boolean state) {
101         if (state) {
102             pbProgress.setVisibility(View.VISIBLE);
103         } else {
104             pbProgress.setVisibility(View.GONE);
105         }
106     }
107
108     private void showMessage(Boolean state, String message) {
109         if (state) {
110             tvError.setText(message);
111             tvError.setVisibility(View.VISIBLE);
112         } else {
113             tvError.setVisibility(View.GONE);
114         }
115     }
116
117     @Override
118     public void onConfirmMahasiswa() {
119         showMahasiswaConfirm();
120     }
121
122     @Override
123     public void onResume() {
124         super.onResume();
125         // showMahasiswaConfirm();
126     }
127 }
```

Selanjutnya kita buat file activity_detail_progress.xml di package layout. Kemudian tambahkan script berikut di file tersebut.

```
1 <RelativeLayout xmlns:android="http://schemas.android.com/apk/res/
     android"
```

```xml
2        xmlns:tools="http://schemas.android.com/tools"
3        android:layout_width="match_parent"
4        android:layout_height="match_parent"
5        tools:context=".fragment.">
6
7        <ProgressBar
8            android:id="@+id/pb_progress"
9            style="?android:attr/progressBarStyle"
10            android:layout_width="wrap_content"
11            android:layout_height="wrap_content"
12            android:layout_centerHorizontal="true"
13            android:layout_centerVertical="true"
14            android:maxWidth="30dp"
15            android:maxHeight="30dp"
16            android:minWidth="30dp"
17            android:minHeight="30dp"
18            android:visibility="gone" />
19
20        <TextView
21            android:id="@+id/tv_error"
22            android:layout_width="wrap_content"
23            android:layout_height="wrap_content"
24            android:layout_centerHorizontal="true"
25            android:layout_centerVertical="true"
26            android:text="Gagal memuat data"
27            android:visibility="gone"/>
28
29        <ScrollView
30            android:layout_width="match_parent"
31            android:layout_height="wrap_content"
32            android:layout_centerHorizontal="true">
33
34            <LinearLayout
35                android:layout_width="match_parent"
36                android:layout_height="wrap_content"
37                android:layout_marginBottom="80dp"
38                android:orientation="vertical">
39
40                <androidx.recyclerview.widget.RecyclerView
41                    android:id="@+id/rv_notification"
42                    android:layout_width="match_parent"
43                    android:layout_height="match_parent"
44                    android:scrollbars="vertical" />
45
46            </LinearLayout>
47
48        </ScrollView>
49
50    </RelativeLayout>
```

```java
1    package com.divakrishnam.actspotpembimbingeksternal.fragment;
2
3
4    import android.os.Bundle;
5
6    import androidx.annotation.NonNull;
```

```java
7  import androidx.annotation.Nullable;
8  import androidx.fragment.app.Fragment;
9  import androidx.recyclerview.widget.LinearLayoutManager;
10 import androidx.recyclerview.widget.RecyclerView;

11
12 import android.view.LayoutInflater;
13 import android.view.View;
14 import android.view.ViewGroup;
15 import android.widget.ProgressBar;
16 import android.widget.TextView;

17
18 import com.divakrishnam.actspotpembimbingeksternal.R;
19 import com.divakrishnam.actspotpembimbingeksternal.activity.
       MainActivity;
20 import com.divakrishnam.actspotpembimbingeksternal.adapter.
       NotificationAdapter;
21 import com.divakrishnam.actspotpembimbingeksternal.api.APIClient;
22 import com.divakrishnam.actspotpembimbingeksternal.api.APIService;
23 import com.divakrishnam.actspotpembimbingeksternal.model.
       ResponseNotification;
24 import com.divakrishnam.actspotpembimbingeksternal.util.
       SharedPrefManager;

25
26 import retrofit2.Call;
27 import retrofit2.Callback;
28 import retrofit2.Response;

29
30 public class NotificationFragment extends Fragment {

31
32     private RecyclerView rvNotification;

33
34     private APIService mApiInterface;
35     private SharedPrefManager pref;

36
37     private ProgressBar pbProgress;
38     private TextView tvError;

39
40     public NotificationFragment() {

41
42     }

43
44
45     @Override
46     public View onCreateView(LayoutInflater inflater, ViewGroup
       container,
47                               Bundle savedInstanceState) {

48
49         ((MainActivity) getActivity()).setActionBarTitle("
       Notification");
50         return inflater.inflate(R.layout.fragment_notification,
       container, false);
51     }

52
53     @Override
54     public void onViewCreated(@NonNull View view, @Nullable Bundle
       savedInstanceState) {
```

```
55          super.onViewCreated(view, savedInstanceState);
56          pbProgress = view.findViewById(R.id.pb_progress);
57          rvNotification = view.findViewById(R.id.rv_notification);
58          tvError = view.findViewById(R.id.tv_error);
59
60          pref = SharedPrefManager.getInstance(getContext());
61          mApiInterface = APIClient.getClient().create(APIService.class
        );
62
63          showNotification();
64      }
65
66      private void showNotification() {
67          showLoading(true);
68
69          String idPembimbing = pref.getPembimbing().getIdPembimbing();
70
71          rvNotification.setLayoutManager(new LinearLayoutManager(
        getContext()));
72
73          Call<ResponseNotification> call = mApiInterface.
        pembimbingListNotifikasi(idPembimbing);
74          call.enqueue(new Callback<ResponseNotification>() {
75              @Override
76              public void onResponse(Call<ResponseNotification> call,
        Response<ResponseNotification> response) {
77                  showLoading(false);
78                  if (response.body().getStatus().equals("200")){
79                      NotificationAdapter notificationAdapter = new
        NotificationAdapter(getContext(), response.body().getData());
80                      rvNotification.setAdapter(notificationAdapter);
81                  }else{
82                      showMessage(true, response.body().getMessage());
83                  }
84              }
85
86              @Override
87              public void onFailure(Call<ResponseNotification> call,
        Throwable t) {
88                  showLoading(false);
89                  showMessage(true, t.getMessage());
90              }
91          });
92      }
93
94      private void showLoading(Boolean state) {
95          if (state) {
96              pbProgress.setVisibility(View.VISIBLE);
97          } else {
98              pbProgress.setVisibility(View.GONE);
99          }
100     }
101
102     private void showMessage(Boolean state, String message) {
103         if (state) {
104             tvError.setText(message);
```

```
105                tvError.setVisibility(View.VISIBLE);
106          } else {
107                tvError.setVisibility(View.GONE);
108          }
109      }
110 }
```

Selanjutnya kita buat file activity_detail_progress.xml di package layout. Kemudian tambahkan script berikut di file tersebut.

```
1  <?xml version="1.0" encoding="utf-8"?>
2  <LinearLayout xmlns:android="http://schemas.android.com/apk/res/
       android"
3      xmlns:tools="http://schemas.android.com/tools"
4      android:layout_width="match_parent"
5      android:layout_height="wrap_content"
6      android:orientation="vertical"
7      tools:context=".fragment.ProfileFragment">
8
9      <LinearLayout
10         android:layout_width="match_parent"
11         android:layout_height="wrap_content"
12         android:orientation="horizontal"
13         android:layout_marginHorizontal="10dp"
14         android:layout_marginVertical="30dp">
15
16         <de.hdodenhof.circleimageview.CircleImageView
17             android:id="@+id/img_profile"
18             android:layout_width="120dp"
19             android:layout_height="120dp"
20             android:src="@drawable/profile"/>
21
22         <TextView
23             android:id="@+id/tv_nama"
24             android:layout_width="match_parent"
25             android:layout_height="120dp"
26             android:text="Kadek Diva Krishna Murti"
27             android:textStyle="bold"
28             android:textSize="18sp"
29             android:layout_marginLeft="15dp"
30             android:gravity="center_vertical"/>
31
32     </LinearLayout>
33
34     <LinearLayout
35         android:layout_width="match_parent"
36         android:layout_height="wrap_content"
37         android:orientation="vertical"
38         android:layout_marginLeft="14dp">
39
40         <View
41             android:layout_width="match_parent"
42             android:layout_height="0.2dp"
43             android:background="#c0c0c0"/>
44
45         <TextView
46             android:id="@+id/tv_profile"
```

```
47                android:layout_width="match_parent"
48                android:layout_height="wrap_content"
49                android:text="Ubah Profile"
50                android:paddingVertical="18dp"/>
51
52        <View
53                android:layout_width="match_parent"
54                android:layout_height="0.2dp"
55                android:background="#c0c0c0"/>
56
57        <TextView
58                android:id="@+id/tv_password"
59                android:layout_width="match_parent"
60                android:layout_height="wrap_content"
61                android:text="Ubah Password"
62                android:paddingVertical="18dp"/>
63
64        <View
65                android:layout_width="match_parent"
66                android:layout_height="0.2dp"
67                android:background="#c0c0c0"/>
68        <TextView
69                android:id="@+id/tv_keluar"
70                android:layout_width="match_parent"
71                android:layout_height="wrap_content"
72                android:text="Keluar"
73                android:paddingVertical="18dp"/>
74
75        <View
76                android:layout_width="match_parent"
77                android:layout_height="0.2dp"
78                android:background="#c0c0c0"/>
79    </LinearLayout>
80
81 </LinearLayout>
```

```
1 package com.divakrishnam.actspotpembimbingeksternal.fragment;
2
3
4 import android.content.Intent;
5 import android.os.Bundle;
6
7 import androidx.annotation.NonNull;
8 import androidx.annotation.Nullable;
9 import androidx.fragment.app.Fragment;
10
11 import android.view.LayoutInflater;
12 import android.view.View;
13 import android.view.ViewGroup;
14 import android.widget.ImageView;
15 import android.widget.TextView;
16
17 import com.bumptech.glide.Glide;
18 import com.divakrishnam.actspotpembimbingeksternal.R;
19 import com.divakrishnam.actspotpembimbingeksternal.activity.
       LoginActivity;
```

```java
20  import com.divakrishnam.actspotpembimbingeksternal.activity.
        MainActivity;
21  import com.divakrishnam.actspotpembimbingeksternal.activity.
        PasswordActivity;
22  import com.divakrishnam.actspotpembimbingeksternal.activity.
        ProfileActivity;
23  import com.divakrishnam.actspotpembimbingeksternal.util.
        SharedPrefManager;
24  import com.divakrishnam.actspotpembimbingeksternal.util.Urls;
25
26  public class ProfileFragment extends Fragment implements View.
        OnClickListener{
27
28      private ImageView ivProfil;
29      private TextView tvNama, tvProfil, tvPassword, tvKeluar;
30
31      private SharedPrefManager pref;
32
33      public ProfileFragment() {
34      }
35
36
37      @Override
38      public View onCreateView(LayoutInflater inflater, ViewGroup
        container,
39                                Bundle savedInstanceState) {
40
41          ((MainActivity) getActivity()).setActionBarTitle("My Profile"
        );
42          return inflater.inflate(R.layout.fragment_profile, container,
         false);
43      }
44
45      @Override
46      public void onViewCreated(@NonNull View view, @Nullable Bundle
        savedInstanceState) {
47          super.onViewCreated(view, savedInstanceState);
48          ivProfil = view.findViewById(R.id.img_profile);
49          tvNama = view.findViewById(R.id.tv_nama);
50          tvProfil = view.findViewById(R.id.tv_profile);
51          tvPassword = view.findViewById(R.id.tv_password);
52          tvKeluar = view.findViewById(R.id.tv_keluar);
53
54          pref = SharedPrefManager.getInstance(getContext());
55
56          tvProfil.setOnClickListener(this);
57          tvPassword.setOnClickListener(this);
58          tvKeluar.setOnClickListener(this);
59      }
60
61      @Override
62      public void onResume() {
63          super.onResume();
64          tvNama.setText(pref.getPembimbing().getNamaPembimbing());
```

```
65          Glide.with(this).load(Urls.IMAGE_URL+"pembimbing/"+pref.
        getPembimbing().getFotoPembimbing()).error(R.drawable.profile).
        into(ivProfil);
66          }
67
68          @Override
69          public void onClick(View view) {
70              if (view == tvProfil){
71                  Intent intent = new Intent(getContext(), ProfileActivity.
        class);
72                  startActivity(intent);
73              }else if (view == tvPassword){
74                  Intent intent = new Intent(getContext(), PasswordActivity
        .class);
75                  startActivity(intent);
76              }else if (view == tvKeluar){
77                  pref.logout();
78                  getActivity().finish();
79                  startActivity(new Intent(getContext(), LoginActivity.
        class));
80              }
81          }
82  }
```

Selanjutnya kita buat file activity_detail_progress.xml di package layout. Kemudian tambahkan script berikut di file tersebut.

```
1  <RelativeLayout xmlns:android="http://schemas.android.com/apk/res/
        android"
2      xmlns:tools="http://schemas.android.com/tools"
3      android:layout_width="match_parent"
4      android:layout_height="match_parent"
5      tools:context=".fragment.">
6
7      <ProgressBar
8          android:id="@+id/pb_progress"
9          style="?android:attr/progressBarStyle"
10         android:layout_width="wrap_content"
11         android:layout_height="wrap_content"
12         android:layout_centerHorizontal="true"
13         android:layout_centerVertical="true"
14         android:maxWidth="30dp"
15         android:maxHeight="30dp"
16         android:minWidth="30dp"
17         android:minHeight="30dp"
18         android:visibility="gone" />
19
20     <TextView
21         android:id="@+id/tv_error"
22         android:layout_width="wrap_content"
23         android:layout_height="wrap_content"
24         android:layout_centerHorizontal="true"
25         android:layout_centerVertical="true"
26         android:text="Gagal memuat data"
27         android:visibility="gone"/>
28
29     <ScrollView
```

```
30          android:layout_width="match_parent"
31          android:layout_height="wrap_content"
32          android:layout_centerHorizontal="true">
33
34          <LinearLayout
35              android:layout_width="match_parent"
36              android:layout_height="wrap_content"
37              android:layout_marginBottom="80dp"
38              android:orientation="vertical">
39
40                  <androidx.recyclerview.widget.RecyclerView
41                      android:id="@+id/rv_mahasiswa"
42                      android:layout_width="match_parent"
43                      android:layout_height="match_parent"
44                      android:scrollbars="vertical" />
45
46          </LinearLayout>
47
48      </ScrollView>
49
50 </RelativeLayout>
```

```
1 package com.divakrishnam.actspotpembimbingeksternal.fragment;
2
3
4 import android.os.Bundle;
5
6 import androidx.annotation.NonNull;
7 import androidx.annotation.Nullable;
8 import androidx.fragment.app.Fragment;
9 import androidx.recyclerview.widget.LinearLayoutManager;
10 import androidx.recyclerview.widget.RecyclerView;
11
12 import android.view.LayoutInflater;
13 import android.view.View;
14 import android.view.ViewGroup;
15 import android.widget.ProgressBar;
16 import android.widget.TextView;
17
18 import com.divakrishnam.actspotpembimbingeksternal.R;
19 import com.divakrishnam.actspotpembimbingeksternal.activity.
       MainActivity;
20 import com.divakrishnam.actspotpembimbingeksternal.adapter.
       MahasiswaAdapter;
21 import com.divakrishnam.actspotpembimbingeksternal.api.APIClient;
22 import com.divakrishnam.actspotpembimbingeksternal.api.APIService;
23 import com.divakrishnam.actspotpembimbingeksternal.model.
       ResponseMahasiswa;
24 import com.divakrishnam.actspotpembimbingeksternal.util.
       SharedPrefManager;
25
26 import retrofit2.Call;
27 import retrofit2.Callback;
28 import retrofit2.Response;
29
30 public class MahasiswaFragment extends Fragment {
```

```
31
32     private RecyclerView rvMahasiswa;
33
34     private APIService mApiInterface;
35     private SharedPrefManager pref;
36
37     private ProgressBar pbProgress;
38     private TextView tvError;
39
40     public MahasiswaFragment() {
41     }
42
43
44     @Override
45     public View onCreateView(LayoutInflater inflater, ViewGroup
       container,
46                              Bundle savedInstanceState) {
47
48         ((MainActivity) getActivity()).setActionBarTitle("My
       Mahasiswa");
49         return inflater.inflate(R.layout.fragment_mahasiswa,
       container, false);
50     }
51
52     @Override
53     public void onViewCreated(@NonNull View view, @Nullable Bundle
       savedInstanceState) {
54         super.onViewCreated(view, savedInstanceState);
55
56         pbProgress = view.findViewById(R.id.pb_progress);
57         rvMahasiswa = view.findViewById(R.id.rv_mahasiswa);
58         tvError = view.findViewById(R.id.tv_error);
59
60         pref = SharedPrefManager.getInstance(getContext());
61         mApiInterface = APIClient.getClient().create(APIService.class
       );
62
63         showMahasiswa();
64     }
65
66     private void showMahasiswa() {
67         showLoading(true);
68
69         String idPembimbing = pref.getPembimbing().getIdPembimbing();
70
71         rvMahasiswa.setLayoutManager(new LinearLayoutManager(
       getContext()));
72
73         Call<ResponseMahasiswa> call = mApiInterface.
       pembimbingListMahasiswa(idPembimbing);
74         call.enqueue(new Callback<ResponseMahasiswa>() {
75             @Override
76             public void onResponse(Call<ResponseMahasiswa> call,
       Response<ResponseMahasiswa> response) {
77                 showLoading(false);
78                 if (response.body().getStatus().equals("200")){
```

```
79                         MahasiswaAdapter mahasiswaAdapter = new
        MahasiswaAdapter(getContext(), response.body().getData());
80                         rvMahasiswa.setAdapter(mahasiswaAdapter);
81                     } else {
82                         showMessage(true, response.body().getMessage());
83                     }
84                 }
85
86                 @Override
87                 public void onFailure(Call<ResponseMahasiswa> call,
        Throwable t) {
88                     showLoading(false);
89                     showMessage(true, t.getMessage());
90                 }
91         });
92     }
93
94     private void showLoading(Boolean state) {
95         if (state) {
96             pbProgress.setVisibility(View.VISIBLE);
97         } else {
98             pbProgress.setVisibility(View.GONE);
99         }
100    }
101
102    private void showMessage(Boolean state, String message) {
103        if (state) {
104            tvError.setText(message);
105            tvError.setVisibility(View.VISIBLE);
106        } else {
107            tvError.setVisibility(View.GONE);
108        }
109    }
110 }
```

Selanjutnya tambahkan script berikut di file tersebut pada file AndroidManifest.xml

```
1  <?xml version="1.0" encoding="utf-8"?>
2  <manifest xmlns:android="http://schemas.android.com/apk/res/android"
3      xmlns:dist="http://schemas.android.com/apk/distribution"
4      package="com.divakrishnam.actspotpembimbingeksternal">
5
6      <uses-feature
7          android:name="android.hardware.camera.any"
8          android:required="true" />
9      <uses-feature
10         android:name="android.hardware.camera.autofocus"
11         android:required="false" />
12
13     <uses-permission android:name="android.permission.CAMERA" />
14
15     <dist:module dist:instant="true" />
16
17     <uses-permission android:name="android.permission.
        ACCESS_COARSE_LOCATION" />
18     <uses-permission android:name="android.permission.
        ACCESS_FINE_LOCATION" />
```

```
19    <uses−permission  android:name=" android . permission .INTERNET" />
20    <uses−permission  android:name=" android . permission .
      WRITE_EXTERNAL_STORAGE" />
21    <uses−permission  android:name=" android . permission .
      READ_EXTERNAL_STORAGE" />
22    <uses−permission  android:name=" android . permission .
      READ_PHONE_STATE" />
23
24    <application
25        android:allowBackup=" true"
26        android:icon="@mipmap/ ic_launcher"
27        android:label=" @string / app_name"
28        android:roundIcon="@mipmap/ ic_launcher_round"
29        android:supportsRtl=" true"
30        android:theme=" @style / AppTheme">
31        <activity  android:name=" . activity . DetailMahasiswaActivity"></
      activity>
32        <activity  android:name=" . activity . ProfileActivity" >
33        </activity>
34        <activity  android:name=" . activity . PasswordActivity" />
35        <activity  android:name=" . activity . TextActivity" />
36        <activity  android:name=" . activity . NoticeActivity" />
37        <activity
38            android:name=" . activity . RegisterActivity"
39            android:parentActivityName=" . activity . LoginActivity" />
40        <activity  android:name=" . activity . LoginActivity" />
41        <activity  android:name=" . activity . MainActivity">
42
43            <intent−filter>
44                <action  android:name=" android . intent . action .MAIN" />
45
46                <category  android:name=" android . intent . category .
      LAUNCHER" />
47            </intent−filter>
48        </activity>
49        <activity
50            android:name="com. theartofdev . edmodo . cropper .
      CropImageActivity"
51            android:theme=" @style / Base . Theme . AppCompat"/>
52    </application>
53
54 </manifest>
```

4.2   Web

4.2.1   Dapur Hosting

Di tutorial kali ini kita akan menggunakan jasa web hosting. Web hosting adalah
layanan penyimpanan file website, email, dan database yang terkoneksi ke inter-
net dan dapat diakses dengan nama domain. Dapur Hosting menyediakan 2 pilihan
lokasi web hosting murah, yaitu di Indonesia dan USA

▪ Siapkan file yang akan di upload
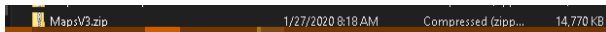
Gambar 4.1   Upload.

1. Login ke dapurhosting
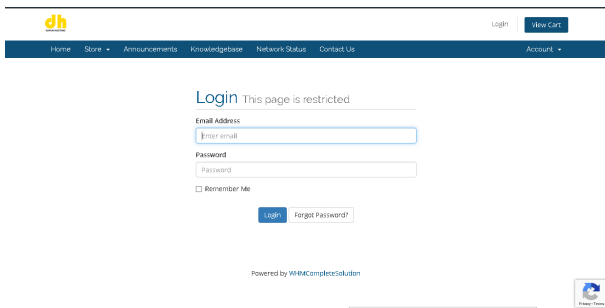
Gambar 4.2   Login.

2. masuk ke file manager dan upload disini
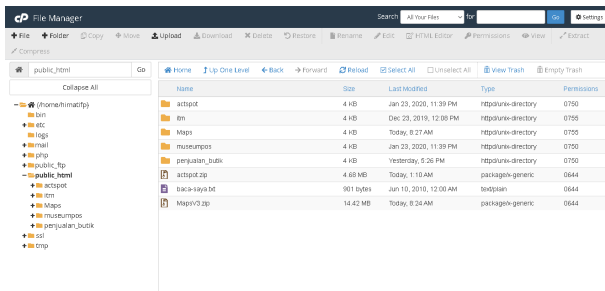
Gambar 4.3   Upload file.

3. Setting config database.php

```
$db['default'] = array(
        'dsn'      => '',
        'hostname' => 'localhost',
        'username' => 'himatifp_actspot',
        'password' => 'actspot2019',
        'database' => 'himatifp_actspot',
        'dbdriver' => 'mysqli',
        'dbprefix' => '',
        'pconnect' => FALSE,
        'db_debug' => (ENVIRONMENT !== 'production'),
        'cache_on' => FALSE,
        'cachedir' => '',
        'char_set' => 'utf8',
        'dbcollat' => 'utf8_general_ci',
        'swap_pre' => '',
        'encrypt' => FALSE,
        'compress' => FALSE,
        'stricton' => FALSE,
        'failover' => array(),
        'save_queries' => TRUE
);
```

Gambar 4.4   database file.

4. setting config .php

```
$config['base_url'] = 'http://himatifpolpos.my.id/Maps/';
```

Gambar 4.5   config file.

5. Hasil

Log in

| username |

| password |

Login Register

Gambar 4.6   Tampilan

Source code web

```php
1  <?php
2  defined('BASEPATH') OR exit('No direct script access allowed');
```

```
3
4   /*
5   |————————————————————————————————————————————————————————————————————
6   |  Base  Site  URL
7   |————————————————————————————————————————————————————————————————————
8   |
9   |  URL  to  your  CodeIgniter  root.  Typically  this  will  be  your  base  URL,
10  |  WITH  a  trailing  slash:
11  |
12  |  http://example.com/
13  |
14  |  WARNING: You MUST set this value!
15  |
16  |  If  it  is  not  set,  then  CodeIgniter  will  try  guess  the  protocol  and
        path
17  |  your  installation,  but  due  to  security  concerns  the  hostname  will
        be  set
18  |  to  $_SERVER['SERVER_ADDR']  if  available,  or  localhost  otherwise.
19  |  The  auto-detection  mechanism  exists  only  for  convenience  during
20  |  development  and  MUST NOT  be  used  in  production!
21  |
22  |  If  you  need  to  allow  multiple  domains,  remember  that  this  file  is
        still
23  |  a  PHP  script  and  you  can  easily  do  that  on  your  own.
24  |
25  */
26  $config['base_url'] = 'http://localhost/Maps/';
27
28  /*
29  |————————————————————————————————————————————————————————————————————
30  |  Index  File
31  |————————————————————————————————————————————————————————————————————
32  |
33  |  Typically  this  will  be  your  index.php  file,  unless  you've  renamed
        it  to
34  |  something  else.  If  you  are  using  mod_rewrite  to  remove  the  page  set
        this
35  |  variable  so  that  it  is  blank.
36  |
37  */
38  $config['index_page'] = 'index.php';
39
40  /*
41  |————————————————————————————————————————————————————————————————————
42  |  URI PROTOCOL
43  |————————————————————————————————————————————————————————————————————
44  |
45  |  This  item  determines  which  server  global  should  be  used  to  retrieve
        the
```

```
46 |  URI  string .    The  default  setting  of  'REQUEST_URI'  works  for  most
   |      servers .
47 |  If  your  links  do  not  seem  to  work ,  try  one  of  the  other  delicious
   |      flavors :
48 |
49 |  'REQUEST_URI'        Uses  $_SERVER [ 'REQUEST_URI' ]
50 |  'QUERY_STRING'       Uses  $_SERVER [ 'QUERY_STRING' ]
51 |  'PATH_INFO'          Uses  $_SERVER [ 'PATH_INFO' ]
52 |
53 |  WARNING: If  you  set  this  to  'PATH_INFO' ,  URIs  will  always  be  URL–
   |      decoded !
54 */
55 $config [ 'uri_protocol' ]  =  'REQUEST_URI' ;
56
57 /*
58 |————————————————————————————————————————————————————————————————————————
   |
59 |  URL  suffix
60 |————————————————————————————————————————————————————————————————————————
   |
61 |
62 |  This  option  allows  you  to  add  a  suffix  to  all  URLs  generated  by
   |      CodeIgniter .
63 |  For  more  information  please  see  the  user  guide :
64 |
65 |  https :// codeigniter .com/ user_guide / general / urls . html
66 */
67 $config [ 'url_suffix' ]  =  '' ;
68
69 /*
70 |————————————————————————————————————————————————————————————————————————
   |
71 |  Default  Language
72 |————————————————————————————————————————————————————————————————————————
   |
73 |
74 |  This  determines  which  set  of  language  files  should  be  used. Make
   |      sure
75 |  there  is  an  available  translation  if  you  intend  to  use  something
   |      other
76 |  than  english .
77 |
78 */
79 $config [ 'language' ]  =  'english' ;
80
81 /*
82 |————————————————————————————————————————————————————————————————————————
   |
83 |  Default  Character  Set
84 |————————————————————————————————————————————————————————————————————————
   |
85 |
86 |  This  determines  which  character  set  is  used  by  default  in  various
   |      methods
87 |  that  require  a  character  set  to  be  provided .
88 |
```

```
 89  |  See  http://php.net/htmlspecialchars  for  a  list  of  supported
     |      charsets.
 90  |
 91  */
 92  $config['charset'] = 'UTF-8';
 93
 94  /*
 95  |--------------------------------------------------------------------------
 96  |  Enable/Disable  System  Hooks
 97  |--------------------------------------------------------------------------
 98  |
 99  |  If  you  would  like  to  use  the  'hooks'  feature  you  must  enable  it  by
100  |  setting  this  variable  to  TRUE  (boolean).   See  the  user  guide  for
     |      details.
101  |
102  */
103  $config['enable_hooks'] = FALSE;
104
105  /*
106  |--------------------------------------------------------------------------
107  |  Class  Extension  Prefix
108  |--------------------------------------------------------------------------
109  |
110  |  This  item  allows  you  to  set  the  filename/classname  prefix  when
     |      extending
111  |  native  libraries.   For  more  information  please  see  the  user  guide:
112  |
113  |  https://codeigniter.com/user_guide/general/core_classes.html
114  |  https://codeigniter.com/user_guide/general/creating_libraries.html
115  |
116  */
117  $config['subclass_prefix'] = 'MY_';
118
119  /*
120  |--------------------------------------------------------------------------
121  |  Composer  auto-loading
122  |--------------------------------------------------------------------------
123  |
124  |  Enabling  this  setting  will  tell  CodeIgniter  to  look  for  a  Composer
125  |  package  auto-loader  script  in  application/vendor/autoload.php.
126  |
127  |  $config['composer_autoload'] = TRUE;
128  |
129  |  Or  if  you  have  your  vendor/  directory  located  somewhere  else,  you
130  |  can  opt  to  set  a  specific  path  as  well:
131  |
132  |  $config['composer_autoload'] = '/path/to/vendor/autoload.php';
133  |
134  |  For  more  information  about  Composer,  please  visit  http://
     |      getcomposer.org/
```

```
135  |
136  | Note: This will NOT disable or override the CodeIgniter-specific
137  | autoloading (application/config/autoload.php)
138  */
139  $config['composer_autoload'] = FALSE;
140
141  /*
142  |------------------------------------------------------------------------
143  | Allowed URL Characters
144  |------------------------------------------------------------------------
145  |
146  | This lets you specify which characters are permitted within your
         URLs.
147  | When someone tries to submit a URL with disallowed characters they
         will
148  | get a warning message.
149  |
150  | As a security measure you are STRONGLY encouraged to restrict URLs
         to
151  | as few characters as possible. By default only these are allowed:
         a-z 0-9~%.:_-
152  |
153  | Leave blank to allow all characters -- but only if you are insane.
154  |
155  | The configured value is actually a regular expression character
         group
156  | and it will be executed as: ! preg_match('/^[<permitted_uri_chars
         >]+$/i
157  |
158  | DO NOT CHANGE THIS UNLESS YOU FULLY UNDERSTAND THE REPERCUSSIONS!!
159  |
160  */
161  $config['permitted_uri_chars'] = 'a-z 0-9~%.:_\-';
162
163  /*
164  |------------------------------------------------------------------------
165  | Enable Query Strings
166  |------------------------------------------------------------------------
167  |
168  | By default CodeIgniter uses search-engine friendly segment based
         URLs:
169  | example.com/who/what/where/
170  |
171  | You can optionally enable standard query string based URLs:
172  | example.com?who=me&what=something&where=here
173  |
174  | Options are: TRUE or FALSE (boolean)
175  |
176  | The other items let you set the query string 'words' that will
177  | invoke your controllers and its functions:
178  | example.com/index.php?c=controller&m=function
179  |
```

```
180 | Please note that some of the helpers won't work as expected when
181 | this feature is enabled, since CodeIgniter is designed primarily to
182 | use segment based URLs.
183 |
184 */
185 $config['enable_query_strings'] = FALSE;
186 $config['controller_trigger'] = 'c';
187 $config['function_trigger'] = 'm';
188 $config['directory_trigger'] = 'd';
189
190 /*
191 |--------------------------------------------------------------------------
192 | Allow $_GET array
193 |--------------------------------------------------------------------------
194 |
195 | By default CodeIgniter enables access to the $_GET array. If for
        some
196 | reason you would like to disable it, set 'allow_get_array' to FALSE
        .
197 |
198 | WARNING: This feature is DEPRECATED and currently available only
199 |          for backwards compatibility purposes!
200 |
201 */
202 $config['allow_get_array'] = TRUE;
203
204 /*
205 |--------------------------------------------------------------------------
206 | Error Logging Threshold
207 |--------------------------------------------------------------------------
208 |
209 | You can enable error logging by setting a threshold over zero. The
210 | threshold determines what gets logged. Threshold options are:
211 |
212 | 0 = Disables logging, Error logging TURNED OFF
213 | 1 = Error Messages (including PHP errors)
214 | 2 = Debug Messages
215 | 3 = Informational Messages
216 | 4 = All Messages
217 |
218 | You can also pass an array with threshold levels to show individual
        error types
219 |
220 |    array(2) = Debug Messages, without Error Messages
221 |
222 | For a live site you'll usually only enable Errors (1) to be logged
        otherwise
223 | your log files will fill up very fast.
224 |
225 */
226 $config['log_threshold'] = 0;
227
```

```
228  /*
229  |————————————————————————————————————————————————————————————————
230  | Error Logging Directory Path
231  |————————————————————————————————————————————————————————————————
232  |
233  | Leave this BLANK unless you would like to set something other than
     |     the default
234  | application/logs/ directory. Use a full server path with trailing
     |     slash.
235  |
236  */
237  $config['log_path'] = '';
238
239  /*
240  |————————————————————————————————————————————————————————————————
241  | Log File Extension
242  |————————————————————————————————————————————————————————————————
243  |
244  | The default filename extension for log files. The default 'php'
     |     allows for
245  | protecting the log files via basic scripting, when they are to be
     |     stored
246  | under a publicly accessible directory.
247  |
248  | Note: Leaving it blank will default to 'php'.
249  |
250  */
251  $config['log_file_extension'] = '';
252
253  /*
254  |————————————————————————————————————————————————————————————————
255  | Log File Permissions
256  |————————————————————————————————————————————————————————————————
257  |
258  | The file system permissions to be applied on newly created log
     |     files.
259  |
260  | IMPORTANT: This MUST be an integer (no quotes) and you MUST use
     |     octal
261  |            integer notation (i.e. 0700, 0644, etc.)
262  */
263  $config['log_file_permissions'] = 0644;
264
265  /*
266  |————————————————————————————————————————————————————————————————
267  | Date Format for Logs
268  |————————————————————————————————————————————————————————————————
269  |
```

```
270 | Each item that is logged has an associated date. You can use PHP
        date
271 | codes to set your own date formatting
272 |
273 */
274 $config['log_date_format'] = 'Y-m-d H:i:s';
275
276 /*
277 |--------------------------------------------------------------------------
278 | Error Views Directory Path
279 |--------------------------------------------------------------------------
280 |
281 | Leave this BLANK unless you would like to set something other than
        the default
282 | application/views/errors/ directory.  Use a full server path with
        trailing slash.
283 |
284 */
285 $config['error_views_path'] = '';
286
287 /*
288 |--------------------------------------------------------------------------
289 | Cache Directory Path
290 |--------------------------------------------------------------------------
291 |
292 | Leave this BLANK unless you would like to set something other than
        the default
293 | application/cache/ directory.  Use a full server path with trailing
        slash.
294 |
295 */
296 $config['cache_path'] = '';
297
298 /*
299 |--------------------------------------------------------------------------
300 | Cache Include Query String
301 |--------------------------------------------------------------------------
302 |
303 | Whether to take the URL query string into consideration when
        generating
304 | output cache files. Valid options are:
305 |
306 | FALSE      = Disabled
307 | TRUE       = Enabled, take all query parameters into account.
308 |              Please be aware that this may result in numerous cache
309 |              files generated for the same page over and over again.
310 | array('q') = Enabled, but only take into account the specified list
311 |              of query parameters.
312 |
313 */
```

```
314  $config['cache_query_string'] = FALSE;
315
316  /*
317  |--------------------------------------------------------------------------
318  | Encryption Key
319  |--------------------------------------------------------------------------
320  |
321  | If you use the Encryption class, you must set an encryption key.
322  | See the user guide for more info.
323  |
324  | https://codeigniter.com/user_guide/libraries/encryption.html
325  |
326  */
327  $config['encryption_key'] = '';
328
329  /*
330  |--------------------------------------------------------------------------
331  | Session Variables
332  |--------------------------------------------------------------------------
333  |
334  | 'sess_driver'
335  |
336  | The storage driver to use: files, database, redis, memcached
337  |
338  | 'sess_cookie_name'
339  |
340  | The session cookie name, must contain only [0-9a-z_-] characters
341  |
342  | 'sess_expiration'
343  |
344  | The number of SECONDS you want the session to last.
345  | Setting to 0 (zero) means expire when the browser is closed.
346  |
347  | 'sess_save_path'
348  |
349  | The location to save sessions to, driver dependent.
350  |
351  | For the 'files' driver, it's a path to a writable directory.
352  | WARNING: Only absolute paths are supported!
353  |
354  | For the 'database' driver, it's a table name.
355  | Please read up the manual for the format with other session drivers
356  |     .
357  | IMPORTANT: You are REQUIRED to set a valid save path!
358  |
359  | 'sess_match_ip'
360  |
361  | Whether to match the user's IP address when reading the session
362  |     data.
363  |
```

```
363 | WARNING: If you're using the database driver, don't forget to
    |     update
364 |          your session table's PRIMARY KEY when changing this
    |     setting.
365 |
366 | 'sess_time_to_update'
367 |
368 | How many seconds between CI regenerating the session ID.
369 |
370 | 'sess_regenerate_destroy'
371 |
372 | Whether to destroy session data associated with the old session ID
373 | when auto-regenerating the session ID. When set to FALSE, the data
374 | will be later deleted by the garbage collector.
375 |
376 | Other session cookie settings are shared with the rest of the
    |     application,
377 | except for 'cookie_prefix' and 'cookie_httponly', which are ignored
    |     here.
378 |
379 */
380 $config['sess_driver'] = 'files';
381 $config['sess_cookie_name'] = 'ci_session';
382 $config['sess_expiration'] = 7200;
383 $config['sess_save_path'] = NULL;
384 $config['sess_match_ip'] = FALSE;
385 $config['sess_time_to_update'] = 300;
386 $config['sess_regenerate_destroy'] = FALSE;
387
388 /*
389 |----------------------------------------------------------------------
390 | Cookie Related Variables
391 |----------------------------------------------------------------------
392 |
393 | 'cookie_prefix'   = Set a cookie name prefix if you need to avoid
    |     collisions
394 | 'cookie_domain'   = Set to .your-domain.com for site-wide cookies
395 | 'cookie_path'     = Typically will be a forward slash
396 | 'cookie_secure'   = Cookie will only be set if a secure HTTPS
    |     connection exists.
397 | 'cookie_httponly' = Cookie will only be accessible via HTTP(S) (no
    |     javascript)
398 |
399 | Note: These settings (with the exception of 'cookie_prefix' and
400 |       'cookie_httponly') will also affect sessions.
401 |
402 */
403 $config['cookie_prefix']   = '';
404 $config['cookie_domain']   = '';
405 $config['cookie_path']     = '/';
406 $config['cookie_secure']   = FALSE;
407 $config['cookie_httponly'] = FALSE;
408
409 /*
```

```
410 |------------------------------------------------------------------------
411 | Standardize newlines
412 |------------------------------------------------------------------------
413 |
414 | Determines whether to standardize newline characters in input data,
415 | meaning to replace \r\n, \r, \n occurrences with the PHP_EOL value.
416 |
417 | WARNING: This feature is DEPRECATED and currently available only
418 |          for backwards compatibility purposes!
419 |
420 */
421 $config['standardize_newlines'] = FALSE;
422
423 /*
424 |------------------------------------------------------------------------
425 | Global XSS Filtering
426 |------------------------------------------------------------------------
427 |
428 | Determines whether the XSS filter is always active when GET, POST or
429 | COOKIE data is encountered
430 |
431 | WARNING: This feature is DEPRECATED and currently available only
432 |          for backwards compatibility purposes!
433 |
434 */
435 $config['global_xss_filtering'] = FALSE;
436
437 /*
438 |------------------------------------------------------------------------
439 | Cross Site Request Forgery
440 |------------------------------------------------------------------------
441 | Enables a CSRF cookie token to be set. When set to TRUE, token will be
442 | checked on a submitted form. If you are accepting user data, it is strongly
443 | recommended CSRF protection be enabled.
444 |
445 | 'csrf_token_name' = The token name
446 | 'csrf_cookie_name' = The cookie name
447 | 'csrf_expire' = The number in seconds the token should expire.
448 | 'csrf_regenerate' = Regenerate token on every submission
449 | 'csrf_exclude_uris' = Array of URIs which ignore CSRF checks
450 */
451 $config['csrf_protection'] = FALSE;
452 $config['csrf_token_name'] = 'csrf_test_name';
453 $config['csrf_cookie_name'] = 'csrf_cookie_name';
454 $config['csrf_expire'] = 7200;
455 $config['csrf_regenerate'] = TRUE;
456 $config['csrf_exclude_uris'] = array();
```

```
457
458  /*
459  |————————————————————————————————————————————————————————
460  | Output Compression
461  |————————————————————————————————————————————————————————
462  |
463  | Enables Gzip output compression for faster page loads.  When
         enabled,
464  | the output class will test whether your server supports Gzip.
465  | Even if it does, however, not all browsers support compression
466  | so enable only if you are reasonably sure your visitors can handle
         it.
467  |
468  | Only used if zlib.output_compression is turned off in your php.ini.
469  | Please do not use it together with httpd-level output compression.
470  |
471  | VERY IMPORTANT:  If you are getting a blank page when compression
         is enabled it
472  | means you are prematurely outputting something to your browser. It
         could
473  | even be a line of whitespace at the end of one of your scripts.
         For
474  | compression to work, nothing can be sent before the output buffer
         is called
475  | by the output class.  Do not 'echo' any values with compression
         enabled.
476  |
477  */
478  $config['compress_output'] = FALSE;
479
480  /*
481  |————————————————————————————————————————————————————————
482  | Master Time Reference
483  |————————————————————————————————————————————————————————
484  |
485  | Options are 'local' or any PHP supported timezone. This preference
         tells
486  | the system whether to use your server's local time as the master '
         now'
487  | reference, or convert it to the configured one timezone. See the '
         date
488  | helper' page of the user guide for information regarding date
         handling.
489  |
490  */
491  $config['time_reference'] = 'local';
492
493  /*
494  |————————————————————————————————————————————————————————
495  | Rewrite PHP Short Tags
```

```
496 |——————————————————————————————————————————————————
497 |
498 | If your PHP installation does not have short tag support enabled CI
499 | can rewrite the tags on−the−fly, enabling you to utilize that
        syntax
500 | in your view files.  Options are TRUE or FALSE (boolean)
501 |
502 | Note: You need to have eval() enabled for this to work.
503 |
504 */
505 $config['rewrite_short_tags'] = FALSE;
506
507 /*
508 |——————————————————————————————————————————————————
509 | Reverse Proxy IPs
510 |——————————————————————————————————————————————————
511 |
512 | If your server is behind a reverse proxy, you must whitelist the
        proxy
513 | IP addresses from which CodeIgniter should trust headers such as
514 | HTTP_X_FORWARDED_FOR and HTTP_CLIENT_IP in order to properly
        identify
515 | the visitor's IP address.
516 |
517 | You can use both an array or a comma−separated list of proxy
        addresses,
518 | as well as specifying whole subnets. Here are a few examples:
519 |
520 | Comma−separated:  '10.0.1.200,192.168.5.0/24'
521 | Array:      array('10.0.1.200', '192.168.5.0/24')
522 */
523 $config['proxy_ips'] = '';
```

```
 1 <?php
 2 defined('BASEPATH') OR exit('No direct script access allowed');
 3
 4 /*
 5 | ——————————————————————————————————————————————————
 6 | DATABASE CONNECTIVITY SETTINGS
 7 | ——————————————————————————————————————————————————
 8 | This file will contain the settings needed to access your database.
 9 |
10 | For complete instructions please consult the 'Database Connection'
11 | page of the User Guide.
12 |
13 | ——————————————————————————————————————————————————
14 | EXPLANATION OF VARIABLES
15 | ——————————————————————————————————————————————————
16 |
17 | ['dsn']      The full DSN string describe a connection to the
        database.
18 | ['hostname'] The hostname of your database server.
19 | ['username'] The username used to connect to the database
```

```
20 | ['password'] The password used to connect to the database
21 | ['database'] The name of the database you want to connect to
22 | ['dbdriver'] The database driver. e.g.: mysqli.
23 |       Currently supported:
24 |          cubrid, ibase, mssql, mysql, mysqli, oci8,
25 |          odbc, pdo, postgre, sqlite, sqlite3, sqlsrv
26 | ['dbprefix'] You can add an optional prefix, which will be added
27 |          to the table name when using the  Query Builder class
28 | ['pconnect'] TRUE/FALSE - Whether to use a persistent connection
29 | ['db_debug'] TRUE/FALSE - Whether database errors should be
        displayed.
30 | ['cache_on'] TRUE/FALSE - Enables/disables query caching
31 | ['cachedir'] The path to the folder where cache files should be
        stored
32 | ['char_set'] The character set used in communicating with the
        database
33 | ['dbcollat'] The character collation used in communicating with the
         database
34 |       NOTE: For MySQL and MySQLi databases, this setting is only
        used
35 |          as a backup if your server is running PHP < 5.2.3 or MySQL
        < 5.0.7
36 |          (and in table creation queries made with DB Forge).
37 |          There is an incompatibility in PHP with
        mysql_real_escape_string() which
38 |          can make your site vulnerable to SQL injection if you are
        using a
39 |          multi-byte character set and are running versions lower
        than these.
40 |          Sites using Latin-1 or UTF-8 database character set and
        collation are unaffected.
41 | ['swap_pre'] A default table prefix that should be swapped with the
         dbprefix
42 | ['encrypt']  Whether or not to use an encrypted connection.
43 |
44 |       'mysql' (deprecated), 'sqlsrv' and 'pdo/sqlsrv' drivers accept
      TRUE/FALSE
45 |       'mysqli' and 'pdo/mysql' drivers accept an array with the
      following options:
46 |
47 |          'ssl_key'    - Path to the private key file
48 |          'ssl_cert'   - Path to the public key certificate file
49 |          'ssl_ca'     - Path to the certificate authority file
50 |          'ssl_capath' - Path to a directory containing trusted CA
      certificates in PEM format
51 |          'ssl_cipher' - List of *allowed* ciphers to be used for the
      encryption, separated by colons (':')
52 |          'ssl_verify' - TRUE/FALSE; Whether verify the server
      certificate or not
53 |
54 | ['compress'] Whether or not to use client compression (MySQL only)
55 | ['stricton'] TRUE/FALSE - forces 'Strict Mode' connections
56 |             - good for ensuring strict SQL while developing
57 | ['ssl_options'] Used to set various SSL options that can be used
      when making SSL connections.
```

```
58 | ['failover'] array - A array with 0 or more data for connections if
       the main should fail.
59 | ['save_queries'] TRUE/FALSE - Whether to "save" all executed
       queries.
60 |          NOTE: Disabling this will also effectively disable both
61 |          $this->db->last_query() and profiling of DB queries.
62 |          When you run a query, with this setting set to TRUE (
       default),
63 |          CodeIgniter will store the SQL statement for debugging
       purposes.
64 |          However, this may cause high memory usage, especially if
       you run
65 |          a lot of SQL queries ... disable this to avoid that problem
       .
66 |
67 | The $active_group variable lets you choose which connection group
       to
68 | make active.  By default there is only one group (the 'default'
       group).
69 |
70 | The $query_builder variables lets you determine whether or not to
       load
71 | the query builder class.
72 db4free.net:3306
73 */
74 $active_group = 'default';
75 $query_builder = TRUE;
76
77 $db['default'] = array(
78   'dsn' => '',
79   'hostname' => 'localhost',
80   'username' => 'root',
81   'password' => '',
82   'database' => 'actspotv2',
83   'dbdriver' => 'mysqli',
84   'dbprefix' => '',
85   'pconnect' => FALSE,
86   'db_debug' => (ENVIRONMENT !== 'production'),
87   'cache_on' => FALSE,
88   'cachedir' => '',
89   'char_set' => 'utf8',
90   'dbcollat' => 'utf8_general_ci',
91   'swap_pre' => '',
92   'encrypt' => FALSE,
93   'compress' => FALSE,
94   'stricton' => FALSE,
95   'failover' => array(),
96   'save_queries' => TRUE
97 );
```

```
1 <?php
2 defined('BASEPATH') OR exit('No direct script access allowed');
3
4 class c_kelola_user extends CI_Controller {
5
6     function __construct(){
```

```php
 7        parent::__construct();
 8        $this->load->model('m_data_user');
 9        $this->load->helper('url');
10
11        if($this->session->userdata('status') != "login"){
12          redirect(site_url("c_login"));
13        }
14    }
15
16    public function index()
17    {
18        $data['user'] = $this->m_data_user->tampil_data()->result();
19
20        $this->load->view('v_kelola_user',$data);
21    }
22
23
24    // start kelola prodi
25
26    public function getProdi()
27    {
28        $this->output->set_content_type('application/json');
29        $employee = $this->m_data_user->getprodiJSON();
30        echo json_encode($employee);
31    }
32
33    public function saveprodi()
34    {
35        $input = $this->m_data_user->saveprodi();
36        if ($input) {
37          echo json_encode(['success' => true]);
38        } else {
39          echo json_encode(['Msg'=>'Some Error occured!.']);
40        }
41    }
42
43    public function updateprodi($id)
44    {
45        $input = $this->m_data_user->updateprodi($id);
46        if ($input) {
47          echo json_encode(['success' => true]);
48        } else {
49          echo json_encode(['Msg'=>'Some Error occured!.']);
50        }
51    }
52    public function destroyprodi()
53    {
54        $id = $_REQUEST['id_prodi'];
55        $input = $this->m_data_user->destroyprodi($id);
56        if ($input) {
57          echo json_encode(array('success'=>true));
58        } else {
59          echo json_encode(array('errorMsg'=>'Some errors occured.'));
60        }
61    }
62
```

```php
63    //end kelola prodi
64
65    // start kelola dosen
66
67    public function getdosen()
68    {
69      $this->output->set_content_type('application/json');
70      $employee = $this->m_data_user->getdosenJSON();
71      echo json_encode($employee);
72    }
73
74    public function savedosen()
75    {
76      $input = $this->m_data_user->savedosen();
77      if ($input) {
78        echo json_encode(['success' => true]);
79      }else {
80        echo json_encode(['Msg'=>'Some Error occured!.']);
81      }
82    }
83
84    public function updatedosen($id)
85    {
86      $input = $this->m_data_user->updatedosen($id);
87      if ($input) {
88        echo json_encode(['success' => true]);
89      }else {
90        echo json_encode(['Msg'=>'Some Error occured!.']);
91      }
92    }
93    public function destroydosen()
94    {
95      $id = $_REQUEST['id_dosen'];
96      $input = $this->m_data_user->destroydosen($id);
97      if ($input) {
98        echo json_encode(array('success'=>true));
99      }else {
100       echo json_encode(array('errorMsg'=>'Some errors occured.'));
101     }
102   }
103
104   //end kelola dosen
105
106   // start kelola mahasiswa
107
108   public function getmahasiswa()
109   {
110     $this->output->set_content_type('application/json');
111     $employee = $this->m_data_user->getmahasiswaJSON();
112     echo json_encode($employee);
113   }
114
115   public function savemahasiswa()
116   {
117     $input = $this->m_data_user->savemahasiswa();
118     if ($input) {
```

```
119        echo json_encode(['success' => true]);
120      } else {
121        echo json_encode(['Msg'=>'Some Error occured!.']);
122      }
123    }
124
125    public function updatemahasiswa($id)
126    {
127      $input = $this->m_data_user->updatemahasiswa($id);
128      if ($input) {
129        echo json_encode(['success' => true]);
130      } else {
131        echo json_encode(['Msg'=>'Some Error occured!.']);
132      }
133    }
134    public function destroymahasiswa()
135    {
136      $id = $_REQUEST['id_mahasiswa'];
137      $input = $this->m_data_user->destroymahasiswa($id);
138      if ($input) {
139        echo json_encode(array('success'=>true));
140      } else {
141        echo json_encode(array('errorMsg'=>'Some errors occured.'));
142      }
143    }
144
145    //end kelola prodi
146
147    // start kelola intern
148
149    public function getintern()
150    {
151      $this->output->set_content_type('application/json');
152      $employee = $this->m_data_user->getinternJSON();
153      echo json_encode($employee);
154    }
155
156    public function saveintern()
157    {
158      $input = $this->m_data_user->saveintern();
159      if ($input) {
160        echo json_encode(['success' => true]);
161      } else {
162        echo json_encode(['Msg'=>'Some Error occured!.']);
163      }
164    }
165
166    public function updateintern($id)
167    {
168      $input = $this->m_data_user->updateintern($id);
169      if ($input) {
170        echo json_encode(['success' => true]);
171      } else {
172        echo json_encode(['Msg'=>'Some Error occured!.']);
173      }
174    }
```

```php
175    public function destroyintern ()
176    {
177      $id = $_REQUEST['id_intern'];
178      $input = $this->m_data_user->destroyintern ($id);
179      if ($input) {
180        echo json_encode(array('success'=>true));
181      }else {
182        echo json_encode(array('errorMsg'=>'Some errors occured.'));
183      }
184    }
185
186    // start kelola absensi
187
188    public function getabsensi ()
189    {
190      $this->output->set_content_type ('application/json');
191      $employee = $this->m_data_user->getabsensiJSON ();
192      echo json_encode($employee);
193    }
194
195    public function saveabsensi ()
196    {
197      $input = $this->m_data_user->saveabsensi ();
198      if ($input) {
199        echo json_encode(['success' => true]);
200      }else {
201        echo json_encode(['Msg'=>'Some Error occured!.']);
202      }
203    }
204
205    public function updateabsensi ($id)
206    {
207      $input = $this->m_data_user->updateabsensi ($id);
208      if ($input) {
209        echo json_encode(['success' => true]);
210      }else {
211        echo json_encode(['Msg'=>'Some Error occured!.']);
212      }
213    }
214    public function destroyabsensi ()
215    {
216      $id = $_REQUEST['id_absensi'];
217      $input = $this->m_data_user->destroyabsensi ($id);
218      if ($input) {
219        echo json_encode(array('success'=>true));
220      }else {
221        echo json_encode(array('errorMsg'=>'Some errors occured.'));
222      }
223    }
224
225    //end kelola absensi
226
227    // start kelola trigger
228    public function gettrigger_radius ()
229    {
230      $this->output->set_content_type ('application/json');
```

```php
231        $employee = $this->m_data_user->gettrigger_radiusJSON();
232        echo json_encode($employee);
233    }
234    // end kelola trigger
235
236    // start kelola user
237        public function getCustomers()
238    {
239        $this->output->set_content_type('application/json');
240        $employee = $this->m_data_user->getCustomers();
241        echo json_encode($employee);
242    }
243    public function getCustomerJSON()
244    {
245        $this->output->set_content_type('application/json');
246        $data = $this->m_data_user->getCustomersJSON();
247        echo json_encode($data);
248    }
249
250        public function saveCustomer()
251    {
252        $input = $this->m_data_user->saveCustomer();
253        if ($input) {
254          echo json_encode(['success' => true]);
255        }else {
256          echo json_encode(['Msg'=>'Some Error occured!.']);
257        }
258    }
259
260        public function updateCustomer($id)
261    {
262        $input = $this->m_data_user->updateCustomer($id);
263        if ($input) {
264          echo json_encode(['success' => true]);
265        }else {
266          echo json_encode(['Msg'=>'Some Error occured!.']);
267        }
268    }
269    public function destroyCustomer()
270    {
271        $id = intval($_REQUEST['id_user']);
272        $input = $this->m_data_user->destroyCustomer($id);
273        if ($input) {
274          echo json_encode(array('success'=>true));
275        }else {
276          echo json_encode(array('errorMsg'=>'Some errors occured.'));
277        }
278    }
279
280
281 }
```

```php
1 <?php
2
3 class c_login extends CI_Controller{
4
```

```php
5    function __construct(){
6      parent::__construct();
7
8      $this->load->model('m_login');
9
10   }
11
12   function index(){
13
14
15     $this->load->view('login');
16
17   }
18
19   function aksi_login(){
20     $username = $this->input->post('username');
21     $password = $this->input->post('password');
22     $where = array(
23       'username' => $username,
24       'password' => $password
25       );
26     $cek = $this->m_login->cek_login("user",$where)->num_rows();
27     $cekstatus = $this->m_login->cek_login("user",$where)->row_array
       ();
28
29     if($cek > 0){
30        if ($cekstatus['status_user'] == "aktif") {
31          if($cekstatus['role_user'] == "admin"){
32            $data_session = array(
33              'nama' => $username,
34              'id' => $cekstatus['id_user'],
35              'statusakun' => $cekstatus['status_user'],
36              'status' => "login"
37              );
38            $this->session->set_userdata($data_session);
39
40            redirect(site_url("dashboard"));
41          } else if($cekstatus['role_user'] == "dosen"){
42            $data_session = array(
43              'nama' => $username,
44              'id' => $cekstatus['id_user'],
45              'statusakun' => $cekstatus['status_user'],
46              'status' => "login"
47              );
48            $this->session->set_userdata($data_session);
49
50            redirect(site_url("dashboard/viewdosen"));
51          }
52        }
53        else {
54          echo 'akun anda tidak aktif';
55        }
56     }else if ($cek == 0){
57        echo "Akun tidak ada !";
58     } else {
59        echo "Username dan password salah !";
```

```
60       }
61    }
62
63    function logout(){
64       $this->session->sess_destroy();
65       redirect(site_url('c_login'));
66    }
67 }
```

src/web/controllers/cregister.php

```php
1  <?php
2  defined('BASEPATH') OR exit('No direct script access allowed');
3
4  class dashboard extends CI_Controller {
5    function __construct(){
6       parent::__construct();
7       $this->load->library('pdf');
8       $this->load->model('m_data_peta');
9       $this->load->model('m_data_user');
10      $this->load->helper('url');
11
12      if($this->session->userdata('status') != "login"){
13         redirect(site_url("c_login"));
14      }
15    }
16
17    public function index()
18    {
19
20      $data['data_prodi'] = $this->m_data_user->getprodidropdownn()->
         result();
21      $data['totaldosen'] = $this->m_data_user->getjumlahdosenJSON();
22      $data['totaldoseninternal'] = $this->m_data_user->
         getjumlahdoseninternalJSON();
23      $data['gettahunangkatan'] = $this->m_data_user->gettahunangkatan
         ()->result();
24      $data['totalmahasiswa2015'] = $this->m_data_user->
         getjumlahmahasiswa2015();
25      $data['totalmahasiswa2016'] = $this->m_data_user->
         getjumlahmahasiswa2016();
26      $data['totalmahasiswa2017'] = $this->m_data_user->
         getjumlahmahasiswa2017();
27      $data['totalmahasiswa'] = $this->m_data_user->
         getjumlahmahasiswaJSON();
28      $data['totallokasiinternship'] = $this->m_data_user->
         getjumlahlokasiinternshipJSON();
29      $data['totaluser'] = $this->m_data_user->getjumlahuserJSON();
30      $data['data_mahasiswa'] = $this->m_data_user->getdata_mahasiswa()
         ->result();
31      $data['data_dosen'] = $this->m_data_user->getdata_dosen()->result
         ();
32      $data['data_user'] = $this->m_data_user->getdata_user()->result()
         ;
33      $data['data_intern'] = $this->m_data_user->getintern()->result();
34
35
```

```
36        $this->load->view('index',$data);
37    }
38
39    function perorang(){
40        //$x['data']=$this->m_grafik->get_data_stok();
41        $id = $this->input->post('npmmahasiswa');
42        $x['jan']=$this->m_data_user->get_data_jan($id);
43        $x['feb']=$this->m_data_user->get_data_feb($id);
44        $x['mar']=$this->m_data_user->get_data_mar($id);
45        $x['apr']=$this->m_data_user->get_data_apr($id);
46        $x['may']=$this->m_data_user->get_data_may($id);
47        $x['jun']=$this->m_data_user->get_data_june($id);
48        $x['jul']=$this->m_data_user->get_data_july($id);
49        $x['aug']=$this->m_data_user->get_data_aug($id);
50        $x['sep']=$this->m_data_user->get_data_sep($id);
51        $x['oct']=$this->m_data_user->get_data_oct($id);
52        $x['nov']=$this->m_data_user->get_data_nov($id);
53        $x['dec']=$this->m_data_user->get_data_dec($id);
54        $this->load->view('v_grafik',$x);
55    }
56
57    function viewdosen(){
58        $data['data_prodi'] = $this->m_data_user->getprodidropdownn()->
          result();
59        $data['totaldosen'] = $this->m_data_user->getjumlahdosenJSON();
60        $data['totaldoseninternal'] = $this->m_data_user->
          getjumlahdoseninternalJSON();
61        $data['gettahunangkatan'] = $this->m_data_user->gettahunangkatan
          ()->result();
62        $data['totalmahasiswa2015'] = $this->m_data_user->
          getjumlahmahasiswa2015();
63        $data['totalmahasiswa2016'] = $this->m_data_user->
          getjumlahmahasiswa2016();
64        $data['totalmahasiswa2017'] = $this->m_data_user->
          getjumlahmahasiswa2017();
65        $data['totalmahasiswa'] = $this->m_data_user->
          getjumlahmahasiswaJSON();
66        $data['totallokasiinternship'] = $this->m_data_user->
          getjumlahlokasiinternshipJSON();
67        $data['totaluser'] = $this->m_data_user->getjumlahuserJSON();
68        $data['data_mahasiswa'] = $this->m_data_user->getdata_mahasiswa()
          ->result();
69        $data['data_dosen'] = $this->m_data_user->getdata_dosen()->result
          ();
70        $data['data_user'] = $this->m_data_user->getdata_user()->result()
          ;
71        $data['data_intern'] = $this->m_data_user->getintern()->result();
72        $this->load->view('dosen',$data);
73    }
74
75    /// start kelola halaman dosen
76
77    // start kelola profile dosen
78
79
80
```

```
81    public function getprofiledosen()
82    {
83
84      $this->output->set_content_type('application/json');
85      $id_pengguna = $this->session->userdata("id");
86      $employee = $this->m_data_user->getprofiledosenJSON($id_pengguna)
        ;
87      echo json_encode($employee);
88    }
89
90    public function updateprofiledosen($id)
91    {
92      $input = $this->m_data_user->updatprofiledosentabledosen($id);
93      $input2 = $this->m_data_user->updatprofiledosentableuser($id);
94      if ($input) {
95        echo json_encode(['success' => true]);
96      } else {
97        echo json_encode(['Msg'=>'Some Error occured!.']);
98      }
99    }
100
101   //end kelola profile dosen
102
103   //start view dosen mahasiswa
104
105   public function getdosenmahasiswa()
106   {
107
108     $this->output->set_content_type('application/json');
109     $id_pengguna = $this->session->userdata("id");
110     $employee = $this->m_data_user->getdosenmahasiswa($id_pengguna);
111     echo json_encode($employee);
112   }
113
114   //end view dosen mahasiswa
115
116   //start kelola dosen intern
117
118   public function getdosenintern()
119   {
120     $this->output->set_content_type('application/json');
121     $id_pengguna = $this->session->userdata("id");
122     $employee = $this->m_data_user->getdoseninternJSON($id_pengguna);
123     echo json_encode($employee);
124   }
125
126   public function updatedosenintern($id)
127   {
128     $input = $this->m_data_user->updatedosenintern($id);
129     if ($input) {
130       echo json_encode(['success' => true]);
131     } else {
132       echo json_encode(['Msg'=>'Some Error occured!.']);
133     }
134   }
135
```

```php
136      // end kelola dosen intern
137
138      //end kelola halaman dosen
139
140      //start kelola absensi halaman dosen
141
142      public function getabsensimahasiswahalamandosenJSON()
143      {
144          $this->output->set_content_type('application/json');
145          $id_pengguna = $this->session->userdata("id");
146          $employee = $this->m_data_user->
             getabsensimahasiswahalamandosenJSON($id_pengguna);
147          echo json_encode($employee);
148      }
149
150      public function getmahasiswauntukdosenJSON()
151      {
152          $this->output->set_content_type('application/json');
153          $id_pengguna = $this->session->userdata("id");
154          $data = $this->m_data_user->getmahasiswauntukdosenJSON(
             $id_pengguna);
155          echo json_encode($data);
156      }
157
158      //end kelola absensi halaman dosen
159      public function buatpdfprodi(){
160          $pdf = new FPDF('l','mm','A5');
161      // membuat halaman baru
162      date_default_timezone_set('US/Eastern');
163      $currentdate = date("m-d-Y");
164
165          $pdf->AddPage();
166          // setting jenis font yang akan digunakan
167          $pdf->SetFont('Arial','B',16);
168          // mencetak string
169          $pdf->Cell(190,7,'Laporan Daftar Prodi',0,1,'C');
170          $pdf->SetFont('Arial','B',12);
171          $pdf->Cell(190,7,$currentdate,0,1,'C');
172          // Memberikan space kebawah agar tidak terlalu rapat
173          $pdf->Cell(10,7,'',0,1);
174          $pdf->SetFont('Arial','B',10);
175          $pdf->Cell(20,6,'ID Prodi',1,0);
176          $pdf->Cell(85,6,'Nama Prodi',1,1);
177          $pdf->SetFont('Arial','',10);
178          $mahasiswa = $this->db->get('prodi')->result();
179          foreach ($mahasiswa as $row){
180              $pdf->Cell(20,6,$row->id_prodi,1,0);
181              $pdf->Cell(85,6,$row->nama_prodi,1,1);
182          }
183          $pdf->Output();
184      }
185
186      public function buatpdfuser(){
187          $pdf = new FPDF('l','mm','A5');
188      // membuat halaman baru
189      date_default_timezone_set('US/Eastern');
```

```
190        $currentdate = date("m-d-Y");
191
192            $pdf->AddPage();
193            // setting jenis font yang akan digunakan
194            $pdf->SetFont('Arial','B',16);
195            // mencetak string
196            $pdf->Cell(190,7,'Laporan Daftar user',0,1,'C');
197            $pdf->SetFont('Arial','B',12);
198            $pdf->Cell(190,7,$currentdate,0,1,'C');
199            // Memberikan space kebawah agar tidak terlalu rapat
200            $pdf->Cell(10,7,'',0,1);
201            $pdf->SetFont('Arial','B',10);
202            $pdf->Cell(20,6,'ID user',1,0);
203        $pdf->Cell(25,6,'Username',1,0);
204        $pdf->Cell(25,6,'Password',1,0);
205        $pdf->Cell(25,6,'Status',1,0);
206        $pdf->Cell(25,6,'Role',1,1);
207            $pdf->SetFont('Arial','',10);
208            $mahasiswa = $this->db->get('user')->result();
209            foreach ($mahasiswa as $row){
210                $pdf->Cell(20,6,$row->id_user,1,0);
211        $pdf->Cell(25,6,$row->username,1,0);
212        $pdf->Cell(25,6,$row->password,1,0);
213        $pdf->Cell(25,6,$row->status_user,1,0);
214        $pdf->Cell(25,6,$row->role_user,1,1);
215            }
216            $pdf->Output();
217    }
218
219    public function buatpdfdosen(){
220            $pdf = new FPDF('l','mm','A5');
221        // membuat halaman baru
222        date_default_timezone_set('US/Eastern');
223        $currentdate = date("m-d-Y");
224
225            $pdf->AddPage();
226            // setting jenis font yang akan digunakan
227            $pdf->SetFont('Arial','B',16);
228            // mencetak string
229            $pdf->Cell(190,7,'Laporan Daftar dosen',0,1,'C');
230            $pdf->SetFont('Arial','B',12);
231            $pdf->Cell(190,7,$currentdate,0,1,'C');
232            // Memberikan space kebawah agar tidak terlalu rapat
233            $pdf->Cell(10,7,'',0,1);
234            $pdf->SetFont('Arial','B',10);
235        $pdf->Cell(20,6,'ID Dosen',1,0);
236        $pdf->Cell(70,6,'Nama Dosen',1,0);
237        $pdf->Cell(15,6,'Prodi ',1,0);
238        #$pdf->Cell(70,6,'Foto ',1,0);
239        $pdf->Cell(25,6,'Status',1,1);
240            $pdf->SetFont('Arial','',10);
241            $mahasiswa = $this->db->get('dosen')->result();
242            foreach ($mahasiswa as $row){
243        $pdf->Cell(20,6,$row->id_dosen,1,0);
244        $pdf->Cell(70,6,$row->nama_dosen,1,0);
245        $pdf->Cell(15,6,$row->id_prodi_dosen,1,0);
```

```
246        ##$pdf->Cell(70,6,$row->foto_dosen,1,0);
247        $pdf->Cell(25,6,$row->status,1,1);
248            }
249        $pdf->Output();
250    }
251
252    public function buatpdfmahasiswa(){
253        $pdf = new FPDF('l','mm','A5');
254    // membuat halaman baru
255    date_default_timezone_set('US/Eastern');
256    $currentdate = date("m-d-Y");
257
258        $pdf->AddPage();
259        // setting jenis font yang akan digunakan
260        $pdf->SetFont('Arial','B',16);
261        // mencetak string
262        $pdf->Cell(190,7,'Laporan Daftar mahasiswa',0,1,'C');
263        $pdf->SetFont('Arial','B',12);
264        $pdf->Cell(190,7,$currentdate,0,1,'C');
265        // Memberikan space kebawah agar tidak terlalu rapat
266        $pdf->Cell(10,7,'',0,1);
267        $pdf->SetFont('Arial','B',10);
268    $pdf->Cell(30,6,'ID mahasiswa',1,0);
269    $pdf->Cell(40,6,'Nama ',1,0);
270    $pdf->Cell(15,6,'Kelas ',1,0);
271    $pdf->Cell(15,6,'Prodi',1,0);
272    #$pdf->Cell(20,6,'Foto',1,0);
273    $pdf->Cell(25,6,'Angkatan',1,1);
274
275
276        $pdf->SetFont('Arial','',10);
277        $mahasiswa = $this->db->get('mahasiswa')->result();
278        foreach ($mahasiswa as $row){
279    $pdf->Cell(30,6,$row->id_mahasiswa,1,0);
280    $pdf->Cell(40,6,$row->nama_mahasiswa,1,0);
281    #$pdf->Cell(20,6,$row->foto_mahasiswa,1,0);
282    $pdf->Cell(15,6,$row->kelas_mahasiswa,1,0);
283    $pdf->Cell(15,6,$row->id_prodi_mahasiswa,1,0);
284    $pdf->Cell(25,6,$row->angkatan_mahasiswa,1,1);
285        }
286        $pdf->Output();
287    }
288
289    public function buatpdfintern(){
290        $pdf = new FPDF('l','mm','A5');
291    // membuat halaman baru
292    date_default_timezone_set('US/Eastern');
293    $currentdate = date("m-d-Y");
294
295        $pdf->AddPage();
296        // setting jenis font yang akan digunakan
297        $pdf->SetFont('Arial','B',16);
298        // mencetak string
299        $pdf->Cell(190,7,'Laporan Daftar intern',0,1,'C');
300        $pdf->SetFont('Arial','B',12);
301        $pdf->Cell(190,7,$currentdate,0,1,'C');
```

```
302              // Memberikan space kebawah agar tidak terlalu rapat
303              $pdf->Cell(10,7,'',0,1);
304              $pdf->SetFont('Arial','B',10);
305         $pdf->Cell(20,6,'ID Intern',1,0);
306         $pdf->Cell(25,6,'ID Koor Intern',1,0);
307         $pdf->Cell(20,6,'Status',1,0);
308         $pdf->Cell(40,6,'Tanggal Mulai ',1,0);
309         $pdf->Cell(40,6,'Tanggal Berakhir',1,1);
310              $pdf->SetFont('Arial','',10);
311              $mahasiswa = $this->db->get('intern')->result();
312              foreach ($mahasiswa as $row){
313         $pdf->Cell(20,6,$row->id_intern,1,0);
314         $pdf->Cell(25,6,$row->id_koor_intern,1,0);
315         $pdf->Cell(20,6,$row->status_intern,1,0);
316         $pdf->Cell(40,6,$row->tgl_mulai_intern,1,0);
317         $pdf->Cell(40,6,$row->tgl_akhir_intern,1,1);
318              }
319              $pdf->Output();
320    }
321
322    public function getaddress($lat,$lng)
323      {
324
325      #hapus pagar pada lat dan lng kemudian ubah return jadi echo
326      #$lat = "-6.873656";
327      #$lng = "107.575550";
328      $url = 'https://us1.locationiq.com/v1/reverse.php?key=1
           e2358be8ca540&lat='.$lat.'&lon='.$lng.'&format=json';
329
330      $json = @file_get_contents($url);
331      $data=json_decode($json,true);
332      $status = $data['display_name'];
333      if(isset($status))
334      {
335      return $status;
336      }
337      else
338      {
339      return false;
340      }
341      }
342
343    public function buatpdfabsensi(){
344          $pdf = new FPDF('l','mm','A3');
345      // membuat halaman baru
346      date_default_timezone_set('US/Eastern');
347      $currentdate = date("m-d-Y");
348
349          $pdf->AddPage();
350          // setting jenis font yang akan digunakan
351          $pdf->SetFont('Arial','B',16);
352          // mencetak string
353          $pdf->Cell(190,7,'Laporan Daftar absensi',0,1,'C');
354          $pdf->SetFont('Arial','B',12);
355          $pdf->Cell(190,7,$currentdate,0,1,'C');
356          // Memberikan space kebawah agar tidak terlalu rapat
```

```
357        $pdf->Cell(10,7,'',0,1);
358        $pdf->SetFont('Arial','B',10);
359     $pdf->Cell(15,6,'Absensi',1,0);
360     $pdf->Cell(15,6,'Intern',1,0);
361     $pdf->Cell(20,6,'Mahasiswa',1,0);
362     $pdf->Cell(20,6,'Dosen',1,0);
363     $pdf->Cell(140,6,'Lokasi',1,0);
364     #$pdf->Cell(45,6,'Longitude',1,0);
365     $pdf->Cell(20,6,'Jarak',1,0);
366     $pdf->Cell(25,6,'Tanggal',1,0);
367     $pdf->Cell(20,6,'Kegiatan',1,0);
368     $pdf->Cell(25,6,'IMEI',1,1);
369     $pdf->SetFont('Arial','',10);
370     $this->db->distinct();
371     $this->db->select('a.id_absensi,a.id_intern_absensi,a.
        id_mahasiswa_absensi,a.id_dosen_absensi,
372     a.latitude_absensi,a.longitude_absensi,a.tgl_waktu_absensi,a.
        imei_perangkat_absensi,a.kegiatan_absensi
373     ,b.pergeseran_absensi');
374     $this->db->from('absensi a');
375     $this->db->join('detail_absensi b', 'b.id_mahasiswa_dt_absensi=a.
        id_mahasiswa_absensi', 'inner');
376     $mahasiswa = $this->db->get('absensi')->result();
377
378
379        foreach ($mahasiswa as $row){
380     $pdf->Cell(15,6,$row->id_absensi,1,0);
381     $pdf->Cell(15,6,$row->id_intern_absensi,1,0);
382     $pdf->Cell(20,6,$row->id_mahasiswa_absensi,1,0);
383     $pdf->Cell(20,6,$row->id_dosen_absensi,1,0);
384     $lat =$row->latitude_absensi;
385     $long = $row->longitude_absensi;
386     $pdf->Cell(140,6,$this->getaddress($lat,$long),1,0);
387     $pdf->Cell(20,6,$this->getstatusjarak($row->pergeseran_absensi)
        ,1,0);
388     $pdf->Cell(25,6,$row->tgl_waktu_absensi,1,0);
389     $pdf->Cell(20,6,$row->kegiatan_absensi,1,0);
390     $pdf->Cell(25,6,$row->imei_perangkat_absensi,1,1);
391        }
392        $pdf->Output();
393   }
394
395   public function getstatusjarak($pergeseran_absensi){
396     if($pergeseran_absensi > 20){
397        return 'out spot';
398     } else {
399        return 'on the spot';
400     }
401   }
402
403   function buatlaporangrafik($id){
404        $x['data']=$this->m_data_user->get_data_stok($id);
405        $this->load->view('chart_view',$x);
406     }
407
408 }
```

```php
<?php

class M_data_peta extends CI_Model{
  function tampil_data(){
    return $this->db->get('absensi');
  }
}
```

```php
<?php

class m_data_user extends CI_Model{

    function __construct()
  {
    parent::__construct();
        $this->load->database()
        ;
  }

    function tampil_data(){
    return $this->db->get('user');
    }

    // get all data mahasiswa

    public function getdata_mahasiswa(){

        return $this->db->get('mahasiswa');
    }

    // get data intern
    public function getintern(){
        $this->db->where('status_intern','berjalan');


        return $this->db->get('intern');
    }

    // get all data dosen

    public function getdata_dosen(){

        return $this->db->get('dosen');
    }
    public function getdata_user(){

        return $this->db->get('user');
    }



    // get jumlah dosen eksternal
    public function getjumlahdosenJSON(){

        $this->db->where('status','eksternal');
```

```php
49          return $this->db->get('dosen')->num_rows();
50      }
51
52      // get jumlah dosen internal
53      public function getjumlahdoseninternalJSON(){
54
55          $this->db->where('status','internal');
56
57          return $this->db->get('dosen')->num_rows();
58      }
59      // get jumlah dosen
60
61      public function gettahunangkatan(){
62
63          $this->db->select('angkatan_mahasiswa');
64          $this->db->distinct();
65          $this->db->order_by("angkatan_mahasiswa", "asc");
66
67          return $this->db->get('mahasiswa');
68      }
69
70      // get jumlah mahasiswa 2015
71      public function getjumlahmahasiswa2015(){
72
73          $this->db->where('angkatan_mahasiswa','2015');
74
75          return $this->db->get('mahasiswa')->num_rows();
76      }
77      // get jumlah mahasiswa
78
79      // get jumlah mahasiswa 2016
80      public function getjumlahmahasiswa2016(){
81
82          $this->db->where('angkatan_mahasiswa','2016');
83
84          return $this->db->get('mahasiswa')->num_rows();
85      }
86      // get jumlah mahasiswa
87
88      // get jumlah mahasiswa 2017
89      public function getjumlahmahasiswa2017(){
90
91          $this->db->where('angkatan_mahasiswa','2017');
92
93          return $this->db->get('mahasiswa')->num_rows();
94      }
95      // get jumlah mahasiswa
96
97      // get jumlah mahasiswa
98      public function getjumlahmahasiswaJSON(){
99
100         $query = $this->db->get('mahasiswa');
101         if($query->num_rows()>0)
102         {
103         return $query->num_rows();
104         }
```

```php
105          else
106          {
107          return 0;
108          }
109      }
110      // get jumlah mahasiswa
111
112      // get jumlah intern
113      public function getjumlahlokasiinternshipJSON(){
114
115          $query = $this->db->get('intern');
116          if($query->num_rows()>0)
117          {
118          return $query->num_rows();
119          }
120          else
121          {
122          return 0;
123          }
124      }
125      // get jumlah intern
126
127      // get jumlah user
128      public function getjumlahuserJSON(){
129          $this->db->where('status_user','aktif');
130          $query = $this->db->get('user');
131          if($query->num_rows()>0)
132          {
133          return $query->num_rows();
134          }
135          else
136          {
137          return 0;
138          }
139      }
140      // get jumlah user
141
142      public function getCustomers()
143  {
144      $page = isset($_POST['page']) ? intval($_POST['page']) : 1;
145          $rows = isset($_POST['rows']) ? intval($_POST['rows']) : 50;
146          $sort = isset($_POST['sort']) ? strval($_POST['sort']) : '
     user.id_user';
147          $order = isset($_POST['order']) ? strval($_POST['order']) : '
     asc';
148          $search = isset($_POST['search_customer']) ? strval($_POST['
     search_customer']) : '';
149          $offset = ($page-1)*$rows;
150
151          $result = array();
152          $result['total'] = $this->db->get('user')->num_rows();
153          $row = array();
154
155          // select data from table product
156          $query = "SELECT *
157              from user
```

```
158              where concat(id_user, username, password, status_user,
        role_user)  like '%$search%' order by $sort $order limit $offset,
         $rows";
159
160          $country = $this->db->query($query)->result_array();
161          $result = array_merge($result, ['rows' => $country]);
162          return $result;
163      }
164
165      public function getCustomersJSON(){
166
167
168          $query = $this->db->get('absensi');
169
170          // Return associative data array
171          return $query->result_array();
172      }
173
174
175
176      //start prodi
177      public function getprodiJSON(){
178
179
180          $page = isset($_POST['page']) ? intval($_POST['page']) : 1;
181          $rows = isset($_POST['rows']) ? intval($_POST['rows']) : 50;
182          $sort = isset($_POST['sort']) ? strval($_POST['sort']) : '
        prodi.id_prodi';
183          $order = isset($_POST['order']) ? strval($_POST['order']) : '
        asc';
184          $search = isset($_POST['search_prodi']) ? strval($_POST['
        search_prodi']) : '';
185          $offset = ($page-1)*$rows;
186
187          $result = array();
188          $result['total'] = $this->db->get('prodi')->num_rows();
189          $row = array();
190
191          // select data from table product
192          $query = "SELECT *
193              from prodi
194              where concat(id_prodi,'',nama_prodi)  like '%$search%'
        order by $sort $order limit $offset, $rows";
195
196          $country = $this->db->query($query)->result_array();
197          $result = array_merge($result, ['rows' => $country]);
198          return $result;
199      }
200      public function saveprodi()
201      {
202          $data = [
203              'id_prodi' => $this->input->post('id_prodi'),
204              'nama_prodi' => $this->input->post('nama_prodi'),
205          ];
206          $this->db->insert('prodi',$data);
207          return $this;
```

```
208        }
209
210        public function updateprodi($id)
211        {
212            $data =   [
213
214                'nama_prodi' => $this->input->post('nama_prodi'),
215
216            ];
217
218            $this->db->where('id_prodi',$id);
219            $this->db->set($data);
220            return $this->db->update('prodi');
221        }
222
223        public function destroyprodi($id_prodi)
224        {
225            $this->db->where('id_prodi',$id_prodi);
226            return $this->db->delete('prodi');
227            // return $this->db->delete($this->table,['id' => $id]);
228        }
229
230        //end prodi
231
232
233        //start dosen
234        public function getdosenJSON(){
235
236
237            $page = isset($_POST['page']) ? intval($_POST['page']) : 1;
238            $rows = isset($_POST['rows']) ? intval($_POST['rows']) : 50;
239            $sort = isset($_POST['sort']) ? strval($_POST['sort']) : '
    dosen.id_dosen';
240            $order = isset($_POST['order']) ? strval($_POST['order']) : '
    asc';
241            $search = isset($_POST['search_dosen']) ? strval($_POST['
    search_dosen']) : '';
242            $offset = ($page-1)*$rows;
243
244            $result = array();
245            $result['total'] = $this->db->get('dosen')->num_rows();
246            $row = array();
247
248            // select data from table product
249            $query = "SELECT *
250                from dosen
251                where concat(id_dosen,nama_dosen,id_prodi_dosen,
    foto_dosen,status) like '%$search%' order by $sort $order limit
    $offset, $rows";
252
253            $country = $this->db->query($query)->result_array();
254            $result = array_merge($result, ['rows' => $country]);
255            return $result;
256        }
257        public function savedosen()
258        {
```

```php
259         $data = [
260             'id_dosen' => $this->input->post('id_dosen'),
261             'nama_dosen' => $this->input->post('nama_dosen'),
262             'id_prodi_dosen' => $this->input->post('id_prodi_dosen'),
263             'foto_dosen' => $this->input->post('foto_dosen'),
264             'status' => $this->input->post('status'),
265         ];
266         $this->db->insert('dosen', $data);
267         return $this;
268     }
269
270     public function updatedosen($id)
271     {
272         $data = [
273
274             'nama_dosen' => $this->input->post('nama_dosen'),
275             'id_prodi_dosen' => $this->input->post('id_prodi_dosen'),
276             'foto_dosen' => $this->input->post('foto_dosen'),
277             'status' => $this->input->post('status'),
278
279         ];
280
281         $this->db->where('id_dosen', $id);
282         $this->db->set($data);
283         return $this->db->update('dosen');
284     }
285
286     public function destroydosen($id_dosen)
287     {
288         $this->db->where('id_dosen', $id_dosen);
289         return $this->db->delete('dosen');
290         // return $this->db->delete($this->table, ['id' => $id]);
291     }
292
293     // end dosen
294
295     // start mahasiswa
296     public function getmahasiswaJSON(){
297
298
299         $page = isset($_POST['page']) ? intval($_POST['page']) : 1;
300         $rows = isset($_POST['rows']) ? intval($_POST['rows']) : 50;
301         $sort = isset($_POST['sort']) ? strval($_POST['sort']) : '
    mahasiswa.id_mahasiswa';
302         $order = isset($_POST['order']) ? strval($_POST['order']) : '
    asc';
303         $search = isset($_POST['search_mahasiswa']) ? strval($_POST['
    search_mahasiswa']) : '';
304         $offset = ($page-1)*$rows;
305
306         $result = array();
307         $result['total'] = $this->db->get('mahasiswa')->num_rows();
308         $row = array();
309
310         // select data from table product
311         $query = "SELECT *
```

```
312              from mahasiswa
313              where concat(id_mahasiswa, nama_mahasiswa, kelas_mahasiswa,
        id_prodi_mahasiswa, angkatan_mahasiswa, foto_mahasiswa) like '%
        $search%' order by $sort $order limit $offset, $rows";
314
315          $country = $this->db->query($query)->result_array();
316          $result = array_merge($result, ['rows' => $country]);
317          return $result;
318      }
319      public function savemahasiswa()
320      {
321          $data = [
322              'id_mahasiswa' => $this->input->post('id_mahasiswa'),
323              'nama_mahasiswa' => $this->input->post('nama_mahasiswa'),
324              'kelas_mahasiswa' => $this->input->post('kelas_mahasiswa'
        ),
325              'id_prodi_mahasiswa' => $this->input->post('
        id_prodi_mahasiswa'),
326              'angkatan_mahasiswa' => $this->input->post('
        angkatan_mahasiswa'),
327              'foto_mahasiswa' => $this->input->post('foto_mahasiswa'),
328          ];
329          $this->db->insert('mahasiswa', $data);
330          return $this;
331      }
332
333      public function updatemahasiswa($id)
334      {
335          $data = [
336
337              'nama_mahasiswa' => $this->input->post('nama_mahasiswa'),
338              'kelas_mahasiswa' => $this->input->post('kelas_mahasiswa'
        ),
339              'id_prodi_mahasiswa' => $this->input->post('
        id_prodi_mahasiswa'),
340              'angkatan_mahasiswa' => $this->input->post('
        angkatan_mahasiswa'),
341              'foto_mahasiswa' => $this->input->post('foto_mahasiswa'),
342
343          ];
344
345          $this->db->where('id_mahasiswa', $id);
346          $this->db->set($data);
347          return $this->db->update('mahasiswa');
348      }
349
350      public function destroymahasiswa($id_mahasiswa)
351      {
352          $this->db->where('id_mahasiswa', $id_mahasiswa);
353          return $this->db->delete('mahasiswa');
354          // return $this->db->delete($this->table, ['id' => $id]);
355      }
356
357      //end mahasiswa
358
359      //start intern
```

```
360    public function getinternJSON(){
361
362
363        $page = isset($_POST['page']) ? intval($_POST['page']) : 1;
364        $rows = isset($_POST['rows']) ? intval($_POST['rows']) : 50;
365        $sort = isset($_POST['sort']) ? strval($_POST['sort']) : '
       intern.id_intern';
366        $order = isset($_POST['order']) ? strval($_POST['order']) : '
       asc';
367        $search = isset($_POST['search_intern']) ? strval($_POST['
       search_intern']) : '';
368        $offset = ($page-1)*$rows;
369
370        $result = array();
371        $result['total'] = $this->db->get('intern')->num_rows();
372        $row = array();
373
374        // select data from table product
375        $query = "SELECT *
376            from intern
377            where concat(id_intern, id_koor_intern, status_intern,
       tgl_mulai_intern, tgl_akhir_intern)  like '%$search%' order by
       $sort $order limit $offset, $rows";
378
379        $country = $this->db->query($query)->result_array();
380        $result = array_merge($result, ['rows' => $country]);
381        return $result;
382    }
383    public function saveintern()
384    {
385        $tanggal_mulai = $this->input->post('tgl_mulai_intern');
386        $tanggal_mulai = $this->input->post('tgl_akhir_intern');
387        $formattanggalmulai = date("YYYY-MM-DD hh:mm:ss", strtotime(
       $tanggal_mulai));
388        $formattanggalakhir = date("YYYY-MM-DD hh:mm:ss", strtotime(
       $tanggal_mulai));
389
390
391        $data = [
392            'id_intern' => $this->input->post('id_intern'),
393            'id_koor_intern' => $this->input->post('id_koor_intern'),
394            'status_intern' => $this->input->post('status_intern'),
395            'tgl_mulai_intern' => $formattanggalmulai,
396            'tgl_akhir_intern' => $formattanggalakhir,
397        ];
398        $this->db->insert('intern',$data);
399        return $this;
400    }
401
402    public function updateintern($id)
403    {
404        $tanggal_mulai = $this->input->post('tgl_mulai_intern');
405        $tanggal_mulai = $this->input->post('tgl_akhir_intern');
406        $formattanggalmulai = date("YYYY-MM-DD hh:mm:ss", strtotime(
       $tanggal_mulai));
```

```
407         $formattanggalakhir = date("YYYY-MM-DD hh:mm:ss", strtotime(
       $tanggal_mulai));
408
409         $data = [
410             'id_koor_intern' => $this->input->post('id_koor_intern'),
411             'status_intern' => $this->input->post('status_intern'),
412             'tgl_mulai_intern' => $formattanggalmulai,
413             'tgl_akhir_intern' => $formattanggalakhir,
414         ];
415
416         $this->db->where('id_intern', $id);
417         $this->db->set($data);
418         return $this->db->update('intern');
419     }
420
421     public function destroyintern($id_intern)
422     {
423         $this->db->where('id_intern', $id_intern);
424         return $this->db->delete('intern');
425         // return $this->db->delete($this->table,['id' => $id]);
426     }
427
428     //end intern
429
430     //start absensi
431     public function getabsensiJSON(){
432
433
434         $page = isset($_POST['page']) ? intval($_POST['page']) : 1;
435         $rows = isset($_POST['rows']) ? intval($_POST['rows']) : 50;
436         $sort = isset($_POST['sort']) ? strval($_POST['sort']) : '
       absensi.id_absensi';
437         $order = isset($_POST['order']) ? strval($_POST['order']) : '
       asc';
438         $search = isset($_POST['search_absensi']) ? strval($_POST['
       search_absensi']) : '';
439         $offset = ($page-1)*$rows;
440
441         $result = array();
442         $result['total'] = $this->db->get('absensi')->num_rows();
443         $row = array();
444
445         // select data from table product
446         $query = "SELECT *
447             from absensi
448             where concat(id_absensi, id_intern_absensi,
       id_mahasiswa_absensi, id_dosen_absensi, latitude_absensi,
       longitude_absensi, tgl_waktu_absensi, imei_perangkat_absensi,
       foto_absensi) like '%$search%' order by $sort $order limit
       $offset, $rows";
449
450         $country = $this->db->query($query)->result_array();
451         $result = array_merge($result, ['rows' => $country]);
452         return $result;
453     }
454
```

```
455
456    public function saveabsensi()
457    {
458        $data = [
459
460            'id_absensi' => $this->input->post('id_absensi'),
461            'id_intern_absensi' => $this->input->post('
       id_intern_absensi'),
462            'id_mahasiswa_absensi' => $this->input->post('
       id_mahasiswa_absensi'),
463            'id_dosen_absensi' => $this->input->post('
       id_dosen_absensi'),
464            'latitude_absensi' => $this->input->post('
       latitude_absensi'),
465            'longitude_absensi' => $this->input->post('
       longitude_absensi'),
466            'tgl_waktu_absensi' => $this->input->post('
       tgl_waktu_absensi')   ,
467            'imei_perangkat_absensi' => $this->input->post('
       imei_perangkat_absensi'),
468            'kegiatan_absensi' => $this->input->post('
       kegiatan_absensi'),
469            'foto_absensi' => $this->input->post('foto_absensi'),
470
471
472        ];
473
474        return $this->db->insert('absensi',$data);
475    }
476
477    public function updateabsensi($id)
478    {
479        $data =   [
480
481            'id_intern_absensi' => $this->input->post('
       id_intern_absensi'),
482            'id_mahasiswa_absensi' => $this->input->post('
       id_mahasiswa_absensi'),
483            'id_dosen_absensi' => $this->input->post('
       id_dosen_absensi'),
484            'latitude_absensi' => $this->input->post('
       latitude_absensi'),
485            'longitude_absensi' => $this->input->post('
       longitude_absensi'),
486            'tgl_waktu_absensi' => $this->input->post('
       tgl_waktu_absensi')   ,
487            'imei_perangkat_absensi' => $this->input->post('
       imei_perangkat_absensi'),
488            'kegiatan_absensi' => $this->input->post('
       kegiatan_absensi'),
489            'foto_absensi' => $this->input->post('foto_absensi'),
490        ];
491        $this->db->where('id_absensi',$id);
492        $this->db->set($data);
493        return $this->db->update('absensi');
494    }
```

```
495
496      public function destroyabsensi($id_absensi)
497      {
498          $this->db->where('id_absensi',$id_absensi);
499          return $this->db->delete('absensi');
500          // return $this->db->delete($this->table,['id' => $id]);
501      }
502
503      //end absensi
504
505      //start trigger_radius
506
507      public function gettrigger_radiusJSON(){
508
509
510          $page = isset($_POST['page']) ? intval($_POST['page']) : 1;
511          $rows = isset($_POST['rows']) ? intval($_POST['rows']) : 50;
512          $sort = isset($_POST['sort']) ? strval($_POST['sort']) : '
     trigger_radius.id_trigger';
513          $order = isset($_POST['order']) ? strval($_POST['order']) : '
     asc';
514          $search = isset($_POST['search_trigger_radius']) ? strval(
     $_POST['search_trigger_radius']) : '';
515          $offset = ($page-1)*$rows;
516
517          $result = array();
518          $result['total'] = $this->db->get('trigger_radius')->num_rows
     ();
519          $row = array();
520
521          // select data from table product
522          $query = "SELECT *
523              from trigger_radius
524              where concat(id_trigger,'',id_intern,'','id_absensi','
     radius')  like '%$search%' order by $sort $order limit $offset,
     $rows";
525
526          $country = $this->db->query($query)->result_array();
527          $result = array_merge($result, ['rows' => $country]);
528          return $result;
529      }
530
531      //end trigger_radius
532
533      public function saveCustomer()
534      {
535          $data = [
536              'id_user' => $this->input->post('id_user'),
537              'username' => $this->input->post('username'),
538              'password' => $this->input->post('password'),
539              'status_user' => $this->input->post('status_user'),
540              'role_user' => $this->input->post('role_user'),
541
542
543          ];
544          $this->db->insert('user',$data);
```

```php
545            return $this;
546        }
547
548        public function updateCustomer($id)
549        {
550            $data = [
551                'username' => $this->input->post('username'),
552                'password' => $this->input->post('password'),
553                'status_user' => $this->input->post('status_user'),
554                'role_user' => $this->input->post('role_user'),
555            ];
556
557            $this->db->where('id_user',$id);
558            $this->db->set($data);
559            return $this->db->update('user');
560        }
561
562        public function destroyCustomer($id_user)
563        {
564            $this->db->where('id_user',$id_user);
565            return $this->db->delete('user');
566            // return $this->db->delete($this->table,['id' => $id]);
567        }
568
569        // get data untuk dropdown
570        function getprodidropdownn(){
571        $query = $this->db->query('SELECT * FROM prodi');
572            return $query;
573        }
574
575        function get_data_stok($id){
576            $query = $this->db->query("SELECT id_mahasiswa ,COUNT(
        id_mahasiswa) AS kegiatan ,datetime_absensi FROM absensi WHERE
        DATE_FORMAT(datetime_absensi, '%M') = '$id'");
577
578            if($query->num_rows() > 0){
579                foreach($query->result() as $data){
580                    $hasil[] = $data;
581                }
582                return $hasil;
583            }
584        }
585
586        //start laporan per mahasiswa
587
588        function get_data_jan($id){
589            $query = $this->db->query("SELECT id_mahasiswa_absensi ,COUNT
        (DATE_FORMAT(tgl_waktu_absensi, '%M')) as kegiatan FROM absensi
590            WHERE DATE_FORMAT(tgl_waktu_absensi, '%M') ='January' AND
        id_mahasiswa_absensi =$id");
591
592            if($query->num_rows() > 0){
593                foreach($query->result() as $data){
594                    $hasil[] = $data;
595                }
596                return $hasil;
```

```
597            }
598        }
599
600        function get_data_feb($id){
601            $query = $this->db->query("SELECT id_mahasiswa_absensi ,COUNT
           (DATE_FORMAT(tgl_waktu_absensi , '%M')) as kegiatan FROM absensi
602            WHERE DATE_FORMAT(tgl_waktu_absensi , '%M') ='February' AND
           id_mahasiswa_absensi =$id");
603
604            if($query->num_rows() > 0){
605                foreach($query->result() as $data){
606                    $hasil[] = $data;
607                }
608                return $hasil;
609            }
610        }
611
612        function get_data_mar($id){
613            $query = $this->db->query("SELECT id_mahasiswa_absensi ,COUNT
           (DATE_FORMAT(tgl_waktu_absensi , '%M')) as kegiatan FROM absensi
614            WHERE DATE_FORMAT(tgl_waktu_absensi , '%M') ='March' AND
           id_mahasiswa_absensi =$id");
615
616            if($query->num_rows() > 0){
617                foreach($query->result() as $data){
618                    $hasil[] = $data;
619                }
620                return $hasil;
621            }
622        }
623
624        function get_data_apr($id){
625            $query = $this->db->query("SELECT id_mahasiswa_absensi ,COUNT
           (DATE_FORMAT(tgl_waktu_absensi , '%M')) as kegiatan FROM absensi
626            WHERE DATE_FORMAT(tgl_waktu_absensi , '%M') ='April' AND
           id_mahasiswa_absensi =$id");
627
628            if($query->num_rows() > 0){
629                foreach($query->result() as $data){
630                    $hasil[] = $data;
631                }
632                return $hasil;
633            }
634        }
635
636        function get_data_may($id){
637            $query = $this->db->query("SELECT id_mahasiswa_absensi ,COUNT
           (DATE_FORMAT(tgl_waktu_absensi , '%M')) as kegiatan FROM absensi
638            WHERE DATE_FORMAT(tgl_waktu_absensi , '%M') ='May' AND
           id_mahasiswa_absensi =$id");
639
640            if($query->num_rows() > 0){
641                foreach($query->result() as $data){
642                    $hasil[] = $data;
643                }
644                return $hasil;
```

```
645              }
646          }
647
648          function get_data_june($id){
649              $query = $this->db->query("SELECT id_mahasiswa_absensi ,COUNT
             (DATE_FORMAT(tgl_waktu_absensi , '%M')) as kegiatan FROM absensi
650              WHERE DATE_FORMAT(tgl_waktu_absensi , '%M') ='June' AND
             id_mahasiswa_absensi =$id");
651
652              if($query->num_rows() > 0){
653                  foreach($query->result() as $data){
654                      $hasil[] = $data;
655                  }
656                  return $hasil;
657              }
658          }
659
660          function get_data_july($id){
661              $query = $this->db->query("SELECT id_mahasiswa_absensi ,COUNT
             (DATE_FORMAT(tgl_waktu_absensi , '%M')) as kegiatan FROM absensi
662              WHERE DATE_FORMAT(tgl_waktu_absensi , '%M') ='July' AND
             id_mahasiswa_absensi =$id");
663
664              if($query->num_rows() > 0){
665                  foreach($query->result() as $data){
666                      $hasil[] = $data;
667                  }
668                  return $hasil;
669              }
670          }
671
672          function get_data_aug($id){
673              $query = $this->db->query("SELECT id_mahasiswa_absensi ,COUNT
             (DATE_FORMAT(tgl_waktu_absensi , '%M')) as kegiatan FROM absensi
674              WHERE DATE_FORMAT(tgl_waktu_absensi , '%M') ='August'AND
             id_mahasiswa_absensi =$id");
675
676              if($query->num_rows() > 0){
677                  foreach($query->result() as $data){
678                      $hasil[] = $data;
679                  }
680                  return $hasil;
681              }
682          }
683
684          function get_data_sep($id){
685              $query = $this->db->query("SELECT id_mahasiswa_absensi ,COUNT
             (DATE_FORMAT(tgl_waktu_absensi , '%M')) as kegiatan FROM absensi
686              WHERE DATE_FORMAT(tgl_waktu_absensi , '%M') ='September'AND
             id_mahasiswa_absensi =$id");
687
688              if($query->num_rows() > 0){
689                  foreach($query->result() as $data){
690                      $hasil[] = $data;
691                  }
692                  return $hasil;
```

```
693                 }
694         }
695
696         function get_data_oct($id){
697             $query = $this->db->query("SELECT id_mahasiswa_absensi ,COUNT
        (DATE_FORMAT(tgl_waktu_absensi, '%M')) as kegiatan FROM absensi
698             WHERE DATE_FORMAT(tgl_waktu_absensi, '%M') ='October 'AND
        id_mahasiswa_absensi =$id");
699
700             if($query->num_rows() > 0){
701                 foreach($query->result() as $data){
702                     $hasil[] = $data;
703                 }
704                 return $hasil;
705             }
706         }
707
708         function get_data_nov($id){
709             $query = $this->db->query("SELECT id_mahasiswa_absensi ,COUNT
        (DATE_FORMAT(tgl_waktu_absensi, '%M')) as kegiatan FROM absensi
710             WHERE DATE_FORMAT(tgl_waktu_absensi, '%M') ='November 'AND
        id_mahasiswa_absensi =$id");
711
712             if($query->num_rows() > 0){
713                 foreach($query->result() as $data){
714                     $hasil[] = $data;
715                 }
716                 return $hasil;
717             }
718         }
719
720         function get_data_dec($id){
721             $query = $this->db->query("SELECT id_mahasiswa_absensi ,COUNT
        (DATE_FORMAT(tgl_waktu_absensi, '%M')) as kegiatan FROM absensi
722             WHERE DATE_FORMAT(tgl_waktu_absensi, '%M') ='December 'AND
        id_mahasiswa_absensi =$id");
723
724             if($query->num_rows() > 0){
725                 foreach($query->result() as $data){
726                     $hasil[] = $data;
727                 }
728                 return $hasil;
729             }
730         }
731
732
733         //end laporan per mahasiswa
734
735         // start kelola halaman dosen
736         //start kelola profile dosen
737
738         //start dosen
739         public function getprofiledosenJSON($id_pengguna){
740
741
742             $page = isset($_POST['page']) ? intval($_POST['page']) : 1;
```

```
743        $rows = isset($_POST['rows']) ? intval($_POST['rows']) : 50;
744        $sort = isset($_POST['sort']) ? strval($_POST['sort']) : 'a.
       id_dosen';
745        $order = isset($_POST['order']) ? strval($_POST['order']) : '
       asc';
746
747        $offset = ($page-1)*$rows;
748
749        $result = array();
750        $result['total'] = $this->db->get('dosen')->num_rows();
751        $row = array();
752
753        // select data from table product
754        $query = "SELECT a.id_dosen, a.nama_dosen, a.id_prodi_dosen, a.
       foto_dosen, b.username, b.password
755            from dosen a
756            INNER JOIN user b ON a.id_dosen = b.id_user
757            WHERE a.id_dosen = $id_pengguna
758            order by $sort $order limit $offset, $rows";
759
760        $country = $this->db->query($query)->result_array();
761        $result = array_merge($result, ['rows' => $country]);
762        return $result;
763    }
764    public function updatprofiledosentabledosen($id)
765    {
766        $data = [
767
768            'nama_dosen' => $this->input->post('nama_dosen'),
769            'foto_dosen' => $this->input->post('foto_dosen'),
770        ];
771
772        $this->db->where('id_dosen',$id);
773        $this->db->set($data);
774        return $this->db->update('dosen');
775    }
776
777    public function updatprofiledosentableuser($id)
778    {
779        $data = [
780
781            'username' => $this->input->post('username'),
782            'password' => $this->input->post('password'),
783        ];
784
785        $this->db->where('id_user',$id);
786        $this->db->set($data);
787        return $this->db->update('user');
788    }
789
790
791
792    //end dosen
793
794
795    //end kelola profile dosen
```

```
796
797      // start view dosen mahasiswa
798      public function getdosenmahasiswa ( $id_pengguna ){
799
800
801          $page = isset ($_POST['page']) ? intval ($_POST['page']) : 1;
802          $rows = isset ($_POST['rows']) ? intval ($_POST['rows']) : 50;
803          $sort = isset ($_POST['sort']) ? strval ($_POST['sort']) : 'a.
      id_mahasiswa';
804          $order = isset ($_POST['order']) ? strval ($_POST['order']) : '
      asc';
805
806          $offset = ($page-1)*$rows;
807
808          $result = array();
809          $result['total'] = $this->db->get('dosen')->num_rows();
810          $row = array();
811
812          // select data from table product
813          $query = "SELECT DISTINCT
814                      a.id_mahasiswa,a.nama_mahasiswa,a.kelas_mahasiswa
      ,a.id_prodi_mahasiswa,a.angkatan_mahasiswa,a.foto_mahasiswa
815                      FROM mahasiswa a
816                      INNER JOIN absensi b ON a.id_mahasiswa = b.
      id_mahasiswa_absensi
817                      WHERE b.id_dosen_absensi = $id_pengguna
818              order by $sort $order limit $offset, $rows";
819
820          $country = $this->db->query($query)->result_array();
821          $result = array_merge($result, ['rows' => $country]);
822          return $result;
823      }
824      // end view dosen mahasiswa
825
826      // start kelola intern dosen
827
828
829      // start dosen
830      public function getdoseninternJSON ( $id_pengguna ){
831          $page = isset ($_POST['page']) ? intval ($_POST['page']) : 1;
832          $rows = isset ($_POST['rows']) ? intval ($_POST['rows']) : 50;
833          $sort = isset ($_POST['sort']) ? strval ($_POST['sort']) : '
      intern.id_intern';
834          $order = isset ($_POST['order']) ? strval ($_POST['order']) : '
      asc';
835          $search = isset ($_POST['search_intern']) ? strval ($_POST['
      search_intern']) : '';
836          $offset = ($page-1)*$rows;
837
838          $result = array();
839          $result['total'] = $this->db->get('intern')->num_rows();
840          $row = array();
841
842          // select data from table product
843          $query = "SELECT *
844              from intern
```

```
845              where concat(id_intern,id_koor_intern,status_intern,
         tgl_mulai_intern,tgl_akhir_intern) like '%$search%'
846              AND id_koor_intern = $id_pengguna
847              order by $sort $order limit $offset, $rows";
848
849         $country = $this->db->query($query)->result_array();
850         $result = array_merge($result, ['rows' => $country]);
851         return $result;
852     }
853
854
855     public function updatedosenintern($id)
856     {
857         $data = [
858
859             'id_koor_intern' => $this->input->post('id_koor_intern'),
860             'status_intern' => $this->input->post('status_intern'),
861             'tgl_mulai_intern' => $this->input->post('
         tgl_mulai_intern'),
862             'tgl_akhir_intern' => $this->input->post('
         tgl_akhir_intern'),
863
864         ];
865
866         $this->db->where('id_intern',$id);
867         $this->db->set($data);
868         return $this->db->update('intern');
869     }
870
871
872     // end kelola intern dosen
873
874     //view absensi mahasiswa
875
876     //start absensi
877     public function getabsensimahasiswahalamandosenJSON($id_pengguna)
         {
878
879
880         $page = isset($_POST['page']) ? intval($_POST['page']) : 1;
881         $rows = isset($_POST['rows']) ? intval($_POST['rows']) : 50;
882         $sort = isset($_POST['sort']) ? strval($_POST['sort']) : '
         absensi.id_absensi';
883         $order = isset($_POST['order']) ? strval($_POST['order']) : '
         asc';
884         $search = isset($_POST['search_absensi']) ? strval($_POST['
         search_absensi']) : '';
885         $offset = ($page-1)*$rows;
886
887         $result = array();
888         $result['total'] = $this->db->get('absensi')->num_rows();
889         $row = array();
890
891         // select data from table product
892         $query = "SELECT *
893              from absensi
```

```
894              where concat(id_absensi, id_intern_absensi,
        id_mahasiswa_absensi, id_dosen_absensi, latitude_absensi,
        longitude_absensi, tgl_waktu_absensi, imei_perangkat_absensi,
        foto_absensi)  like '%$search%'
895              AND id_dosen_absensi = $id_pengguna
896              order by $sort $order limit $offset, $rows";
897
898          $country = $this->db->query($query)->result_array();
899          $result = array_merge($result, ['rows' => $country]);
900          return $result;
901      }
902
903      //end absensi mahasiswa
904
905      // start peta mahasiswa untuk masing masing dosen
906
907      public function getmahasiswauntukdosenJSON($id_pengguna){
908
909          $this->db->where('id_dosen_absensi',$id_pengguna);
910          $query = $this->db->get('absensi');
911
912          // Return associative data array
913          return $query->result_array();
914      }
915      // start peta mahasiswa untuk masing masing dosen
916      // end kelola halaman dosen
917 }
```

```php
1 <?php
2
3 class M_login extends CI_Model{
4   function cek_login($table, $where){
5     return $this->db->get_where($table, $where);
6   }
7 }
```

```php
1 <?php
2 defined('BASEPATH') OR exit('No direct script access allowed');
3
4 class m_register extends CI_Model {
5
6   function __construct(){
7     parent::__construct();
8     $this->load->database();
9   }
10
11   public function getAllUsers(){
12     $query = $this->db->get('user');
13     return $query->result();
14   }
15
16   public function insert($user){
17     $this->db->insert('user', $user);
18     return $this;
19     }
20
```

```
21      public function inserttabelmahasiswa($user){
22      $this->db->insert('mahasiswa', $user);
23      return $this;
24      }
25
26      function create($table, $data){
27          $query = $this->db->insert($table, $data);
28          return $this;// return last insert id
29      }
30
31
32
33    public function getUser($id){
34      $query = $this->db->get_where('user', array('id'=>$id));
35      return $query->row_array();
36    }
37
38    public function activate($data, $id){
39      $this->db->where('user.id_user', $id);
40      return $this->db->update('user', $data);
41    }
42
43 }
```

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4      <title>Grafik Stok Barang</title>
5
6
7  </head>
8  <body>
9  <?php
10          foreach($data as $data){
11              $merk[] = $data->id_mahasiswa;
12              $stok[] = (float) $data->kegiatan;
13              echo "aa,$data->id_mahasiswa<br>" ;
14              echo $data->kegiatan;
15          }
16      ?>
17      <canvas id="canvas" width="1000" height="280"></canvas>
18
19      <!--Load chart js-->
20      <script type="text/javascript" src="<?php echo base_url().'assets
       /js/chart.min.js'?>"></script>
21      <script>
22
23              var lineChartData = {
24                  labels : <?php echo json_encode($stok);?>,
25                  datasets : [
26
27                      {
28                          fillColor: "rgba(60,141,188,0.9)",
29                          strokeColor: "rgba(60,141,188,0.8)",
30                          pointColor: "#3b8bba",
31                          pointStrokeColor: "#fff",
```

```
32                              pointHighlightFill: "#fff",
33                              pointHighlightStroke: "rgba(152,235,239,1)",
34                              data : <?php echo json_encode($merk);?>
35                          }
36
37                  ]
38
39              }
40
41          var myLine = new Chart(document.getElementById("canvas").
     getContext("2d")).Line(lineChartData);
42
43      </script>
44  </body>
45  </html>
```

```
1   <!DOCTYPE html>
2   <html>
3   <head>
4     <meta charset="utf-8">
5     <meta name="viewport" content="width=device-width, initial-scale=1"
        >
6     <title>Actspot505</title>
7     <link type="text/css" rel="stylesheet" href="<?php echo base_url();
         ?>assets/css/bootstrap.css">
8     <link href="<?php echo base_url(); ?>assets/css/bootstrap.min.css"
        rel="stylesheet">
9
10    <script src="https://unpkg.com/leaflet@1.3.1/dist/leaflet.js"
         integrity="sha512-/Nsx9X4HebavoBvEBuyp3I7od5tA0UzAxs+
         j83KgC8PU0kgB4XiK4Lfe4y4cgBtaRJQEIFCW+oC506aPT2L1zw=="
         crossorigin=""></script>
11
12      <link type="text/css" rel="stylesheet" href="<?php echo base_url
        (); ?>assets/css/leaflet.css" />
13
14      <link type="text/css" rel="stylesheet" href="<?php echo base_url
        (); ?>assets/css/MarkerCluster.css" />
15      <link type="text/css" rel="stylesheet" href="<?php echo base_url
        (); ?>assets/css/MarkerCluster.Default.css" />
16      <link href="<?php echo base_url(); ?>assets/css/styles.css" rel="
        stylesheet">
17
18
19    <style>
20    #mapid{
21      width: 100%;
22      height: 400px;
23    }
24
25    * {
26    box-sizing: border-box;
27  }
28
29  body {
30    font-family: Arial, Helvetica, sans-serif;
```

```
31  }
32
33  /* Float four columns side by side */
34  .columna {
35    float: left;
36    width: 25%;
37    margin-top:20px;
38    padding: 0 10px;
39  }
40
41  /* Remove extra left and right margins, due to padding */
42  .rowa {margin: 0 -5px;}
43
44  /* Clear floats after the columns */
45  .rowa:after {
46    content: "";
47    display: table;
48    clear: both;
49  }
50
51  /* Responsive columns */
52  @media screen and (max-width: 600px) {
53    .column {
54      width: 100%;
55      display: block;
56      margin-bottom: 20px;
57    }
58  }
59
60  /* Style the counter cards */
61  .carda {
62    box-shadow: 0 4px 8px 0 rgba(0, 0, 0, 0.2);
63    padding: 16px;
64    text-align: center;
65    background-color: #f1f1f1;
66  }
67
68    </style>
69
70  </head>
71  <body>
72    <nav class="navbar navbar-custom navbar-fixed-top" role="navigation
      ">
73      <div class="container-fluid">
74        <div class="navbar-header">
75          <button type="button" class="navbar-toggle collapsed" data-
      toggle="collapse" data-target="#sidebar-collapse"><span class="sr
      -only">Toggle navigation</span>
76            <span class="icon-bar"></span>
77            <span class="icon-bar"></span>
78            <span class="icon-bar"></span></button>
79          <a class="navbar-brand" href="#"><span>Lumino</span>Admin</a>
80        </div>
81      </div><!-- /.container-fluid -->
82    </nav>
```

```
83    <div id="sidebar−collapse" class="col−sm−3 col−lg−2 sidebar">
84      <div class="profile−sidebar">
85        <div class="profile−userpic">
86          <img src="http://placehold.it/50/30a5ff/fff" class="img−
        responsive" alt="">
87        </div>
88        <div class="profile−usertitle">
89          <div class="profile−usertitle−name"> <?php echo $this−>
        session−>userdata("nama"); ?></div>
90          <div class="profile−usertitle−status"><span class="indicator
        label−success"></span>Online</div>
91        </div>
92        <div class="clear"></div>
93      </div>
94      <div class="divider"></div>
95      <ul class="nav menu" style="position:relative; border:none;
        padding:unset;">
96        <li class="active"><a href="<?php echo site_url(); ?>/dashboard
        ">Dashboard</a></li>
97        <li><a href="<?php echo site_url('c_login/logout'); ?>"> Logout
        </a></li>
98      </ul>
99    </div><!−−/.sidebar−−>
100
101
102
103    <div class="col−sm−9 col−sm−offset−3 col−lg−10 col−lg−offset−2 main
        ">
104    <div class="rowa">
105    <div class="columna">
106      <div class="carda">
107      <h4>Jumlah Lokasi Internship</h4>
108
109      <table class="table table−bordered">
110        <thead>
111        <tr>
112          <th style="text−align: center;">Total</th>
113        </tr>
114        </thead>
115        <tbody>
116        <tr>
117          <td><?php echo $totallokasiinternship; ?></td>
118        </tr>
119
120        </tbody>
121      </table>
122      </div>
123    </div>
124
125    <div class="columna">
126      <div class="carda">
127      <h4>Jumlah Mahasiswa</h4>
128      <table class="table table−bordered">
129        <thead>
130        <tr>
131          <?php
```

```
132        foreach ($gettahunangkatan   as $row) {
133          echo "<th style='text-align: center;'>$row->
     angkatan_mahasiswa </th>";
134          }
135          "
136          "
137      ?>
138      </tr>
139      </thead>
140      <tbody>
141      <tr>
142
143        <td><?php echo $totalmahasiswa2015; ?></td>
144        <td><?php echo $totalmahasiswa2016; ?></td>
145        <td><?php echo $totalmahasiswa2017; ?></td>
146      </tr>
147
148      </tbody>
149    </table>
150    </div>
151  </div>
152
153
154  </div>
155    <div class="row">
156      <div class="col-lg-12">
157        <h1 class="page-header">Peta Lokasi Internship Mahasiswa </h1
     >
158      </div>
159    </div><!--/.row-->
160    <div class="row">
161      <div class="col-sm-12">
162        <div id="map" style="width:100%; height:280px;">
163
164        </div>
165      </div>
166    </div><!--/.row-->
167    <!--
168    <div class="row">
169      <div class="col-lg-12">
170        <h1 class="page-header">View Tabel Trigger radius </h1>
171      </div>
172    </div>
173
174    <div class="row">
175      <div class="col-sm-12">
176
177      <div class="panel panel-container">
178      <div class="row">
179        <div class="col-sm-12">
180        <div id="container" class="easyui-layout" fit="true" style=
     "height:300px;">
181          <div region="center">
182            <table id="dgtrigger_radius" toolbar="#
     toolbartrigger_radius" class="easyui-datagrid" fit="true"
     singleSelect="true" fitColumns="true" rowNumbers="false"
```

```
        pagination="true" url="<?= site_url('c_kelola_user/
        gettrigger_radius') ?>" pageSize="50" pageList="
        [25,50,75,100,125,150,200]" nowrap="false">
183                 <thead>
184                   <tr>
185                     <th field="id_trigger" width="80">ID trigger </th>
186                     <th field="id_intern" width="100">ID Intern </th>
187                     <th field="id_track" width="100">ID Track </th>
188                     <th field="radius" width="100">ID radius </th>
189                   </tr>
190                 </thead>
191               </table>
192               <div id="toolbartrigger_radius">
193                 <input  id="search_trigger_radius" class="easyui-
        searchbox" data-options="prompt:'Please Input Value',searcher:
        doSearchtrigger_radius ,
194                 inputEvents: $.extend({}, $.fn.searchbox.defaults.
        inputEvents, {
195                   keyup: function(e){
196                     var t = $(e.data.target);
197                     var opts = t.searchbox('options');
198                     t.searchbox('setValue', $(this).val());
199                     opts.searcher.call(t[0],t.searchbox('getValue'),t
        .searchbox('getName'));
200                   }
201                 })" style="width:50%;"></input>
202               </div>
203             </div>
204           </div>

206           </div>
207         </div>
208       </div
209       --->

211     <div class="row">
212       <div class="col-lg-12">
213         <h1 class="page-header">Print Absensi per mahasiswa </h1>
214       </div>
215     </div><!--/.row-->
216     <div class="row">
217       <div class="col-lg-12">
218       <form action="<?php echo site_url(). '/dashboard/perorang'; ?>"
        method="post">
219     <table style="margin:20px auto;">
220       <tr>
221         <td>NPM : </td>
222         <td><input type="text" name="npmmahasiswa"></td>
223         <td><button type="submit" value="Submit">Submit </button></td>
224       </tr>

226     </table>
227   </form>
228       </div>
229     </div><!--/.row-->
230     <!-- start kelola absensi-->
```

```
231        <div class="row">
232          <div class="col-lg-12">
233            <h1 class="page-header">Kelola absensi </h1>
234          </div>
235        </div><!--/.row-->
236        <div class="row">
237          <div class="col-sm-12">
238
239          <div class="panel panel-container">
240          <div class="row">
241            <div class="col-sm-12">
242            <div id="container" class="easyui-layout" fit="true" style=
       "height:300px;">
243              <div region="center">
244                <table id="dgabsensi" toolbar="#toolbarabsensi" class=
       "easyui-datagrid" fit="true" singleSelect="true" fitColumns="true"
        rowNumbers="false" pagination="true" url="<?= site_url('
       dashboard/getabsensimahasiswahalamandosenJSON') ?>" pageSize="50"
        pageList="[25,50,75,100,125,150,200]" nowrap="false">
245                  <thead>
246                    <tr>
247                      <th field="id_absensi" width="80">ID absensi </th>
248                      <th field="id_intern_absensi" width="100">ID
       Mahasiswa </th>
249                      <th field="id_mahasiswa_absensi" width="100">ID
       Intern </th>
250                      <th field="id_dosen_absensi" width="100">ID Dosen
       </th>
251                      <th field="latitude_absensi" width="100">Latitude
        absensi </th>
252                      <th field="longitude_absensi" width="100">
       Longtitude absensi </th>
253                      <th field="tgl_waktu_absensi" width="100">Date
       Time absensi </th>
254                      <th field="imei_perangkat_absensi" width="100">
       Imei absensi </th>
255                      <th field="kegiatan_absensi" width="100">Kegiatan
        absensi </th>
256                      <th field="foto_absensi" width="100">Photo
       absensi </th>
257                    </tr>
258                  </thead>
259                </table>
260                <div id="toolbarabsensi">
261                  <a href="<?php echo site_url(); ?>/dashboard/
       buatpdfabsensi" plain="true" class="easyui-linkbutton" iconCls=
       "icon-print">Print </a>
262                  <input id="searchabsensi" class="easyui-searchbox"
       data-options="prompt:'Please Input Value',searcher:
       doSearchabsensi,
263                  inputEvents: $.extend({}, $.fn.searchbox.defaults.
       inputEvents, {
264                    keyup: function(e){
265                      var t = $(e.data.target);
266                      var opts = t.searchbox('options');
267                      t.searchbox('setValue', $(this).val());
```

```
268                    opts.searcher.call(t[0],t.searchbox('getValue'),t
       .searchbox('getName'));
269                  }
270                })" style="width:50%;"></input>
271              </div>
272            </div>
273
274          <div id="dlgabsensi" class="easyui-dialog" style="width:
       780px; height: auto; padding: 10px;" modal="true" closed="true"
       buttons="#dlgabsensiBtn">
275            <form id="fmabsensi" method="post">
276              <div class="col-sm-12 justify-content-sm-center">
277
278
279              <div class="row" style="width: 100%">
280                <div class="col-sm-6">
281                  <div class="form-group">
282                    <label for="">ID absensi</label>
283                    <input type="text" name="id_absensi" class="
       easyui-textbox" style="width: 100%;">
284                  </div>
285                </div>
286                <div class="col-sm-6">
287                  <div class="form-group">
288                    <label for="">ID Intern </label>
289                    <select class="" style="width: 100%; margin: 0
       px; padding-top: 0px; padding-bottom: 0px; height: 25px; line-
       height: 25px;" name="id_intern_absensi">
290
291                    <?php
292                    foreach ($data_intern  as $row) {
293                    echo "<option value='".$row->id_intern."'>".
       $row->id_intern." | ".$row->id_koor_intern."</option>";
294                    }
295                    echo"
296                    "
297                    ?>
298                    </select>
299                  </div>
300                </div>
301              </div>
302
303              <div class="row" style="width: 100%">
304                <div class="col-sm-6">
305                  <div class="form-group">
306                    <label for="">Id Mahasiswa</label>
307                    <select class="" style="width: 100%; margin: 0
       px; padding-top: 0px; padding-bottom: 0px; height: 25px; line-
       height: 25px;" name="id_mahasiswa_absensi">
308
309                    <?php
310                    foreach ($data_mahasiswa  as $row) {
311                    echo "<option value='".$row->id_mahasiswa."'>".
       $row->id_mahasiswa." | ".$row->nama_mahasiswa."</option>";
312                    }
313                    echo"
```

```
314                                   "
315                                   ?>
316                                   </select>
317                               </div>
318                           </div>
319                           <div class="col-sm-6">
320                               <div class="form-group">
321                               <label for="">ID Dosen</label>
322                               <select class="" style="width: 100%; margin: 0
      px; padding-top: 0px; padding-bottom: 0px; height: 25px; line-
      height: 25px;" name="id_dosen_absensi">
323
324                               <?php
325                               foreach ($data_dosen as $row) {
326                               echo "<option value='".$row->id_dosen."'>".$row
      ->id_dosen." | ".$row->nama_dosen."</option>";
327                               }
328                               echo "
329                               "
330                               ?>
331                               </select>
332                               </div>
333                           </div>
334                       </div>
335                       <div class="row" style="width: 100%">
336                           <div class="col-sm-6">
337                               <div class="form-group">
338                               <label for="">Latitude absensi</label>
339                               <input type="text" name="latitude_absensi"
      class="easyui-textbox" style="width: 100%;">
340                               </div>
341                           </div>
342                           <div class="col-sm-6">
343                               <div class="form-group">
344                               <label for="">Longitude absensi</label>
345                               <input type="text" name="longitude_absensi"
      class="easyui-textbox" style="width: 100%;">
346                               </div>
347                           </div>
348                       </div>
349                       <div class="row" style="width: 100%">
350                           <div class="col-sm-6">
351                               <div class="form-group">
352                               <label for="">Tanggal dan waktu</label>
353                               <input type="date" name="tgl_waktu_absensi"
      class="easyui-textbox" style="width: 100%;">
354                               </div>
355                           </div>
356                           <div class="col-sm-6">
357                               <div class="form-group">
358                               <label for="">Imei Perangkat</label>
359                               <input type="text" name="imei_perangkat_absensi
      " class="easyui-textbox" style="width: 100%;">
360                               </div>
361                           </div>
362                       </div>
```

```
363              <div class="row" style="width: 100%">
364                <div class="col-sm-6">
365                  <div class="form-group">
366                    <label for="">Kegiatan absensi</label>
367                    <input type="text" name="kegiatan_absensi"
       class="easyui-textbox" style="width: 100%;">
368                  </div>
369                </div>
370                <div class="col-sm-6">
371                  <div class="form-group">
372                    <label for="">Photo absensi</label>
373                    <input type="text" name="foto_absensi" class="
       easyui-textbox" style="width: 100%;">
374                  </div>
375                </div>
376              </div>
377
378
379              </div>
380            </form>
381          </div>
382          <div id="dlgabsensiBtn">
383            <a href="javascript:void(0)" id="btn_save" class="
       easyui-linkbutton" iconCls="icon-ok-a" onclick="saveabsensi()"
       style="width:90px">Save</a>
384            <a href="javascript:void(0)" class="easyui-linkbutton"
       iconCls="icon-del-a" onclick="javascript:$('#dlgabsensi').dialog
       ('close'); $('#fmabsensi').form(clear)
385              " style="width:90px">Cancel</a>
386          </div>
387        </div>
388
389        </div>
390
391
392      </div>
393    </div><!--/.row-->
394    <!-- start kelola absensi-->
395
396    <!-- start kelola intern-->
397    <div class="row">
398      <div class="col-lg-12">
399        <h1 class="page-header">Kelola Internship</h1>
400      </div>
401    </div><!--/.row-->
402    <div class="row">
403      <div class="col-sm-12">
404
405      <div class="panel panel-container">
406      <div class="row">
407          <div class="col-sm-12">
408          <div id="container" class="easyui-layout" fit="true" style=
       "height:300px;">
409            <div region="center">
410              <table id="dgdosenintern" toolbar="#toolbardosenintern"
       class="easyui-datagrid" fit="true" singleSelect="true"
```

```
       fitColumns="true" rowNumbers="false" pagination="true" url="<?=
       site_url('dashboard/getdosenintern') ?>" pageSize="50" pageList="
       [25,50,75,100,125,150,200]" nowrap="false">
411                 <thead>
412                   <tr>
413                     <th field="id_intern" width="80">ID intern</th>
414                     <th field="id_koor_intern" width="100">
       Koordinator Internship</th>
415                     <th field="status_intern" width="100">Status
       Internship</th>
416                     <th field="tgl_mulai_intern" width="100">Tanggal
       mulai</th>
417                     <th field="tgl_akhir_intern" width="100">Tanggal
       berakhir</th>
418                   </tr>
419                 </thead>
420               </table>
421             <div id="toolbardosenintern">
422
423                 <a href="javascript:void(0)" class="easyui-linkbutton
       " iconCls="icon-edit" plain="true" onClick="editdosenintern()">
       Edit</a>
424
425                 <a href="<?php echo site_url(); ?>/dashboard/
       buatpdfintern" plain="true" class="easyui-linkbutton" iconCls="
       icon-print">Print</a>
426                 <input id="searchdosenintern" class="easyui-
       searchbox" data-options="prompt:'Please Input Value',searcher:
       doSearchdosenintern,
427                 inputEvents: $.extend({}, $.fn.searchbox.defaults.
       inputEvents, {
428                   keyup: function(e){
429                     var t = $(e.data.target);
430                     var opts = t.searchbox('options');
431                     t.searchbox('setValue', $(this).val());
432                     opts.searcher.call(t[0],t.searchbox('getValue'),t
       .searchbox('getName'));
433                   }
434                 })" style="width:50%;"></input>
435             </div>
436           </div>
437
438           <div id="dlginterndosen" class="easyui-dialog" style="
       width: 780px; height: auto; padding: 10px;" modal="true" closed="
       true" buttons="#dlginterndosenBtn">
439             <form id="fminterndosen" method="post">
440               <div class="col-sm-12 justify-content-sm-center">
441
442
443               <div class="row" style="width: 100%">
444                 <div class="col-sm-6">
445                   <div class="form-group">
446                     <label for="">ID intern</label>
447                     <input type="text" name="id_intern" class="
       easyui-textbox" style="width: 100%;">
448                   </div>
```

```
449                     </div>
450                     <div class="col-sm-6">
451                       <div class="form-group">
452                         <label for="">ID Koordinator Internship </label>
453                         <select class="" style="width: 100%; margin: 0
    px; padding-top: 0px; padding-bottom: 0px; height: 25px; line-
    height: 25px;" name="id_koor_intern">
454
455                         <?php
456                         foreach ($data_dosen as $row) {
457                         echo "<option value='".$row->id_dosen."'>".$row
    ->id_dosen." | ".$row->nama_dosen."</option>";
458                         }
459                         echo"
460                         "
461                         ?>
462                         </select>
463                       </div>
464                     </div>
465                   </div>
466
467               <div class="row" style="width: 100%">
468                 <div class="col-sm-6">
469                   <div class="form-group">
470                     <label for="">Status Internship </label>
471                     <input type="text" name="status_intern" class="
    easyui-textbox" style="width: 100%;">
472                   </div>
473                 </div>
474                 <div class="col-sm-6">
475                   <div class="form-group">
476                     <label for="">Tanggal Mulai</label>
477                     <input type="datetime-local" data-date="" data-
    date-format="YYYY MM DD" name="tanggal_mulai" class="easyui-
    textbox" style="width: 100%;">
478                   </div>
479                 </div>
480               </div>
481               <div class="row" style="width: 100%">
482                 <div class="col-sm-12">
483                   <div class="form-group">
484                     <label for="">Tanggal Berakhir </label>
485                     <input type="datetime-local" data-date="" data-
    date-format="YYYY MM DD" name="tanggal_berakhir" class="easyui-
    textbox" style="width: 100%;">
486                   </div>
487                 </div>
488               </div>
489
490
491                   </div>
492                 </form>
493             </div>
494           <div id="dlginterndosenBtn">
```

```
495            <a href="javascript:void(0)" id="btn_save" class="
      easyui−linkbutton" iconCls="icon−ok−a" onclick="savedosenintern()
      " style="width:90px">Save</a>
496            <a href="javascript:void(0)" class="easyui−linkbutton"
      iconCls="icon−del−a" onclick="javascript:$('#dlginterndosen').
      dialog('close'); $('#fminterndosen').form(clear)
497            " style="width:90px">Cancel</a>
498          </div>
499        </div>
500
501        </div>
502
503
504      </div>
505    </div><!−−/.row−−>
506    <!−− end kelola intern −−>
507
508    <!−− start kelola dosenmahasiswa−−>
509    <div class="row">
510      <div class="col−lg−12">
511        <h1 class="page−header">View Mahasiswa</h1>
512      </div>
513    </div><!−−/.row−−>
514    <div class="row">
515      <div class="col−sm−12">
516
517      <div class="panel panel−container">
518      <div class="row">
519        <div class="col−sm−12">
520        <div id="container" class="easyui−layout" fit="true" style=
      "height:300px;">
521          <div region="center">
522            <table id="dgdosenmahasiswa" toolbar="#
      toolbardosenmahasiswa" class="easyui−datagrid" fit="true"
      singleSelect="true" fitColumns="true" rowNumbers="false"
      pagination="true" url="<?= site_url('dashboard/getdosenmahasiswa
      ') ?>" pageSize="50" pageList="[25,50,75,100,125,150,200]" nowrap
      ="false">
523              <thead>
524                <tr>
525                  <th field="id_mahasiswa" width="80">ID</th>
526                  <th field="nama_mahasiswa" width="100">Nama
      nMahasiswa</th>
527                  <th field="kelas_mahasiswa" width="100">Kelas</th
      >
528                  <th field="id_prodi_mahasiswa" width="100">Prodi
      </th>
529                  <th field="angkatan_mahasiswa" width="100">
      Angkatan</th>
530                  <th field="foto_mahasiswa" width="100">Photo
      mahasiswa</th>
531
532                </tr>
533              </thead>
534            </table>
535            <div id="toolbardosenmahasiswa">
```

```
536                                  <!--
537                 <a href="javascript:void(0)" class="easyui-linkbutton
     " iconCls="icon-add" plain="true" onClick="newdosenmahasiswa()">
     New</a>
538                 <a href="javascript:void(0)" class="easyui-linkbutton
     " iconCls="icon-edit" plain="true" onClick="editdosenmahasiswa()"
     >Edit</a>
539                 <a href="javascript:void(0)" class="easyui-linkbutton
     " iconCls="icon-remove" plain="true" onClick="
     destroydosenmahasiswa()">Destroy</a>
540                                  -->
541                 <a href="<?php echo site_url(); ?>/dashboard/
     buatpdfdosenmahasiswa" plain="true" class="easyui-linkbutton"
     iconCls="icon-print">Print</a>
542                 <input   id="searchdosenmahasiswa" class="easyui-
     searchbox" data-options="prompt:'Please Input Value',searcher:
     doSearchdosenmahasiswa,
543                 inputEvents: $.extend({}, $.fn.searchbox.defaults.
     inputEvents, {
544                   keyup: function(e){
545                     var t = $(e.data.target);
546                     var opts = t.searchbox('options');
547                     t.searchbox('setValue', $(this).val());
548                     opts.searcher.call(t[0],t.searchbox('getValue'),t
     .searchbox('getName'));
549                   }
550                 })" style="width:50%;"></input>
551              </div>
552            </div>
553
554          <div id="dlgdosenmahasiswa" class="easyui-dialog" style="
     width: 780px; height: auto; padding: 10px;" modal="true" closed="
     true" buttons="#dlgdosenmahasiswaBtn">
555            <form id="fmdosenmahasiswa" method="post">
556            <div class="col-sm-12 justify-content-sm-center">
557
558
559            <div class="row" style="width: 100%">
560              <div class="col-sm-6">
561                <div class="form-group">
562                  <label for="">ID dosenmahasiswa</label>
563                  <select class="" style="width: 100%; margin: 0
     px; padding-top: 0px; padding-bottom: 0px; height: 25px; line-
     height: 25px;" name="id_dosenmahasiswa">
564
565                    <?php
566                    foreach ($data_user  as $row) {
567                    echo "<option value='".$row->id_user."'>".$row
     ->id_user." | ".$row->username."</option>";
568                    }
569                    echo"
570                    "
571                    ?>
572                  </select>
573                </div>
574              </div>
```

```
575                        <div class="col-sm-6">
576                          <div class="form-group">
577                            <label for="">Nama dosenMahasiswa </label>
578                            <input type="text" name="nama_dosenmahasiswa"
        class="easyui-textbox" style="width: 100%;">
579                          </div>
580                        </div>
581                      </div>
582
583                    <div class="row" style="width: 100%">
584                      <div class="col-sm-6">
585                        <div class="form-group">
586                          <label for="">Kelas dosenmahasiswa </label>
587                          <input type="text" name="kelas_dosenmahasiswa"
        class="easyui-textbox" style="width: 100%;">
588                        </div>
589                      </div>
590                      <div class="col-sm-6">
591                        <div class="form-group">
592                          <label for="">Prodi </label>
593
594                          <select class="" style="width: 100%; margin: 0
        px; padding-top: 0px; padding-bottom: 0px; height: 25px; line-
        height: 25px;" name="id_prodi_dosenmahasiswa">
595
596                          <?php
597                          foreach ($data_prodi  as $row) {
598                          echo "<option value='".$row->id_prodi."'>".$row
        ->nama_prodi."</option>";
599                          }
600                          echo"
601                          "
602                          ?>
603                          </select>
604                        </div>
605                      </div>
606
607                    </div>
608                    <div class="row" style="width: 100%">
609                      <div class="col-sm-6">
610                        <div class="form-group">
611                          <label for="">Tahun Angkatan </label>
612                          <input type="text" name="
        angkatan_dosenmahasiswa" class="easyui-textbox" style="width:
        100%;">
613                        </div>
614                      </div>
615                      <div class="col-sm-6">
616                        <div class="form-group">
617                          <label for="">foto dosenmahasiswa </label>
618                          <input type="text" name="foto_dosenmahasiswa"
        class="easyui-textbox" style="width: 100%;">
619                        </div>
620                      </div>
621
622                    </div>
```

```
623
624                       </div>
625                     </form>
626                   </div>
627                 <div id="dlgdosenmahasiswaBtn">
628                     <a href="javascript:void(0)" id="btn_save" class="
        easyui-linkbutton" iconCls="icon-ok-a" onclick="
        savedosenmahasiswa()" style="width:90px">Save</a>
629                     <a href="javascript:void(0)" class="easyui-linkbutton"
        iconCls="icon-del-a" onclick="javascript:$('#dlgdosenmahasiswa').
        dialog('close'); $('#fmdosenmahasiswa').form(clear)
630                     " style="width:90px">Cancel</a>
631                   </div>
632                 </div>
633
634                 </div>
635
636
637        </div>
638      </div><!--/.row-->
639      <!-- start kelola dosenmahasiswa-->
640
641      <!-- start kelola dosen-->
642      <div class="row">
643        <div class="col-lg-12">
644          <h1 class="page-header">Kelola Profil</h1>
645        </div>
646      </div><!--/.row-->
647      <div class="row">
648        <div class="col-sm-12">
649        <div class="panel panel-container">
650        <div class="row">
651            <div class="col-sm-12">
652            <div id="container" class="easyui-layout" fit="true" style=
        "height:300px;">
653              <div region="center">
654                <table id="dgprofiledosen" toolbar="#toolbardosen"
        class="easyui-datagrid" fit="true" singleSelect="true" fitColumns
        ="true" rowNumbers="false" pagination="true" url="<?= site_url('
        dashboard/getprofiledosen') ?>" pageSize="50" pageList="
        [25,50,75,100,125,150,200]" nowrap="false">
655                  <thead>
656                    <tr>
657                      <th field="id_dosen" width="80">ID Dosen</th>
658                      <th field="nama_dosen" width="100">Nama Dosen</th
        >
659                      <th field="id_prodi_dosen" width="100">Prodi</th>
660                      <th field="foto_dosen" width="100">Photo Dosen</
        th>
661                      <th field="username" width="100">Username</th>
662                                        <th field="password" width="
        100">Password</th>
663                    </tr>
664                  </thead>
665                </table>
666                <div id="toolbardosen">
```

```
667                   <a href="javascript:void(0)" class="easyui-linkbutton
      " iconCls="icon-edit" plain="true" onClick="editprofiledosen()">
      Edit </a>
668                 </div>
669              </div>
670
671           <div id="dlgprofiledosen" class="easyui-dialog" style="
      width: 780px; height: auto; padding: 10px;" modal="true" closed="
      true" buttons="#dlgprofiledosenbtn">
672             <form id="fmprofiledosen" method="post">
673               <div class="col-sm-12 justify-content-sm-center">
674
675
676               <div class="row" style="width: 100%">
677                 <div class="col-sm-6">
678                   <div class="form-group">
679                     <label for="">ID Dosen </label><br>
680                     <input type="text" name="id_dosen" class="
      easyui-textbox" style="width: 100%;" readonly>
681                   </div>
682                 </div>
683                 <div class="col-sm-6">
684                   <div class="form-group">
685                     <label for="">Nama Dosen</label>
686                     <input type="text" name="nama_dosen" class="
      easyui-textbox" style="width: 100%;">
687                   </div>
688                 </div>
689                 <div class="col-sm-6">
690                   <div class="form-group">
691                     <label for="">Prodi </label><br>
692                     <select class="" style="width: 100%; margin: 0
      px; padding-top: 0px; padding-bottom: 0px; height: 25px; line-
      height: 25px;" name="id_prodi_dosen" readonly>
693
694                       <?php
695                       foreach ($data_prodi  as $row) {
696                       echo "<option value='".$row->id_prodi."'>".$row
      ->nama_prodi."</option>";
697                       }
698                       echo"
699                       "
700                       ?>
701                     </select>
702                   </div>
703                 </div>
704                 <div class="col-sm-6">
705                   <div class="form-group">
706                     <label for="">Photo Dosen</label>
707                     <input type="text" name="foto_dosen" class="
      easyui-textbox" style="width: 100%;">
708                   </div>
709                 </div>
710               </div>
711
712               <div class="row" style="width: 100%">
```

```
713
714                    <div class="col-sm-6">
715                      <div class="form-group">
716                        <label for="">username</label>
717                        <input type="text" name="username" class="
        easyui-textbox" style="width: 100%;">
718                      </div>
719                    </div>
720                                        <div class="col-sm-6">
721                      <div class="form-group">
722                        <label for="">password</label>
723                        <input type="text" name="password" class="
        easyui-textbox" style="width: 100%;">
724                      </div>
725                    </div>
726
727                  </div>
728
729
730                  </div>
731                </form>
732              </div>
733              <div id="dlgprofiledosenbtn">
734                <a href="javascript:void(0)" id="btn_save" class="
        easyui-linkbutton" iconCls="icon-ok-a" onclick="saveaprofiledosen
        ()" style="width:90px">Save</a>
735                <a href="javascript:void(0)" class="easyui-linkbutton"
        iconCls="icon-del-a" onclick="javascript:$('#dlgprofiledosen').
        dialog('close'); $('#fmprofiledosen').form(clear)
736                  " style="width:90px">Cancel</a>
737              </div>
738            </div>
739
740            </div>
741
742      </div>
743    </div><!--/.row-->
744
745
746    <!--end kelola dosen-->
747
748  </div><!--/.row-->
749 </div>  <!--/.main-->
750
751
752
753 </body>
754
755
756 <script src="<?php echo base_url(); ?>assets/js/jquery-1.11.1.min.js"
        ></script>
757    <script src="<?php echo base_url(); ?>assets/js/bootstrap.min.js"
        ></script>
758
759    <script type="text/javascript" src="<?php echo base_url(); ?>
        assets/js/leaflet.js"></script>
```

```
760
761     <script type="text/javascript" src="<?php echo base_url(); ?>
        assets/js/leaflet.markercluster.js"></script>
762
763     <link rel="stylesheet" type="text/css" href="<?php echo base_url
        ('assets/css/icon.css') ?>">
764
765     <script src="<?php echo base_url(); ?>assets/js/jquery.min.js"></
        script>
766     <script type="text/javascript" src="<?php echo base_url('assets/
        js/jquery.easyui.min.js') ?>"></script>
767     <script type="text/javascript" src="<?php echo base_url('assets/
        js/script.js') ?>"></script>
768     <link rel="stylesheet" type="text/css" href="<?php echo base_url
        ('assets/css/easyui.css') ?>">
769     <script type="text/javascript">
770       var map, newUser, users, mapquest, firstLoad;
771
772       firstLoad = true;
773
774       //users = new L.FeatureGroup();
775       users = new L.MarkerClusterGroup({spiderfyOnMaxZoom: true,
        showCoverageOnHover: false, zoomToBoundsOnClick: true});
776       newUser = new L.LayerGroup();
777
778
779
780       mapquest = new L.TileLayer("https://api.tiles.mapbox.com/v4/{id
        }/{z}/{x}/{y}.png?access_token={accessToken}", {
781         maxZoom: 18,
782         id: 'mapbox.streets',
783         subdomains: ["otile1", "otile2", "otile3", "otile4"],
784         attribution: 'Map data &copy; <a href="http://openstreetmap.
        org">OpenStreetMap</a> contributors, <a href="http://
        creativecommons.org/licenses/by-sa/2.0/">CC-BY-SA</a>, Imagery
         <a href="http://mapbox.com">Mapbox</a>',
785         accessToken: 'pk.
        eyJ1IjoiY2hhbmRyYWtwIiwiYSI6ImNrMzJpOWJoMDBhdDczZG1tZXk3MmppeGEifQ
        .wWJUgnRB1DsKnmYQdsJVxQ'
786       });
787
788       map = new L.Map('map', {
789         center: new L.LatLng(-6.914744 , 107.609810),
790         zoom: 10,
791         layers: [mapquest, users, newUser]
792       });
793
794       // GeoLocation Control
795
796       //map.locate({setView: true, maxZoom: 3});
797
798       $(document).ready(function() {
799         $.ajaxSetup({cache:false});
800         $('#map').css('height', ($(window).height() - 300));
801         getUsers();
802       });
```

```
803
804        $(window).resize(function () {
805          $('#map').css('height', ($(window).height() - 300));
806        }).resize();
807
808
809
810        function getUsers() {
811          $.getJSON("<?php echo site_url(); ?>/dashboard/
      getmahasiswauntukdosenJSON", function (data) {
812            for (var i = 0; i < data.length; i++) {
813              var location = new L.LatLng(data[i].latitude_absensi,
      data[i].longitude_absensi);
814              var name = data[i].id_mahasiswa_absensi;
815              var website = data[i].foto_absensi;
816          var host = window.base_url = <?php echo json_encode(base_url())
      ; ?>;
817
818
819
820              var marker = new L.Marker(location, { title: name});
821              marker.bindPopup("<div style='text-align: center; margin-
      left: auto; margin-right: auto;'><img style='width:100px; height
      :100px;' src="+ host + website+">"+ name +"</div>", {maxWidth: '
      400'});
822              users.addLayer(marker);
823            }
824          }).complete(function () {
825            if (firstLoad == true) {
826              map.fitBounds(users.getBounds());
827              firstLoad = false;
828            };
829          });
830        }
831
832
833
834
835      </script>
836  </html>
```

```
1   <!DOCTYPE html>
2   <html>
3   <head>
4     <meta charset="utf-8">
5     <meta name="viewport" content="width=device-width, initial-scale=1"
      >
6     <title>Actspot505</title>
7     <link type="text/css" rel="stylesheet" href="<?php echo base_url();
      ?>assets/css/bootstrap.css">
8     <link href="<?php echo base_url(); ?>assets/css/bootstrap.min.css"
      rel="stylesheet">
9
10    <script src="https://unpkg.com/leaflet@1.3.1/dist/leaflet.js"
      integrity="sha512-/Nsx9X4HebavoBvEBuyp3I7od5tA0UzAxs+
```

```
      j83KgC8PU0kgB4XiK4Lfe4y4cgBtaRJQEIFCW+oC506aPT2L1zw=="
      crossorigin=""></script>
11
12    <link type="text/css" rel="stylesheet" href="<?php echo base_url
      (); ?>assets/css/leaflet.css" />
13
14    <link type="text/css" rel="stylesheet" href="<?php echo base_url
      (); ?>assets/css/MarkerCluster.css" />
15    <link type="text/css" rel="stylesheet" href="<?php echo base_url
      (); ?>assets/css/MarkerCluster.Default.css" />
16    <link href="<?php echo base_url(); ?>assets/css/styles.css" rel="
      stylesheet">
17
18
19   <style>
20   #mapid{
21     width: 100%;
22     height: 400px;
23   }
24
25   * {
26   box-sizing: border-box;
27 }
28
29 body {
30   font-family: Arial, Helvetica, sans-serif;
31 }
32
33 /* Float four columns side by side */
34 .columna {
35   float: left;
36   width: 25%;
37   margin-top:20px;
38   padding: 0 10px;
39 }
40
41 /* Remove extra left and right margins, due to padding */
42 .rowa {margin: 0 -5px;}
43
44 /* Clear floats after the columns */
45 .rowa:after {
46   content: "";
47   display: table;
48   clear: both;
49 }
50
51 /* Responsive columns */
52 @media screen and (max-width: 600px) {
53   .column {
54     width: 100%;
55     display: block;
56     margin-bottom: 20px;
57   }
58 }
59
60 /* Style the counter cards */
```

```
61  .carda {
62    box−shadow: 0 4px 8px 0 rgba(0, 0, 0, 0.2);
63    padding: 16px;
64    text−align: center;
65    background−color: #f1f1f1;
66  }
67
68    </style>
69
70  </head>
71  <body>
72    <nav class="navbar navbar−custom navbar−fixed−top" role="navigation
      ">
73      <div class="container−fluid">
74        <div class="navbar−header">
75          <button type="button" class="navbar−toggle collapsed" data−
      toggle="collapse" data−target="#sidebar−collapse"><span class="sr
      −only">Toggle navigation</span>
76          <span class="icon−bar"></span>
77          <span class="icon−bar"></span>
78          <span class="icon−bar"></span></button>
79        <a class="navbar−brand" href="#"><span>Lumino</span>Admin</a>
80        </div>
81      </div><!−− /.container−fluid −−>
82    </nav>
83    <div id="sidebar−collapse" class="col−sm−3 col−lg−2 sidebar">
84      <div class="profile−sidebar">
85        <div class="profile−userpic">
86          <img src="http://placehold.it/50/30a5ff/fff" class="img−
      responsive" alt="">
87        </div>
88        <div class="profile−usertitle">
89          <div class="profile−usertitle−name"> <?php echo $this−>
      session−>userdata("nama"); ?></div>
90          <div class="profile−usertitle−status"><span class="indicator
      label−success"></span>Online</div>
91        </div>
92        <div class="clear"></div>
93      </div>
94      <div class="divider"></div>
95      <ul class="nav menu" style="position:relative; border:none;
      padding:unset;">
96        <li class="active"><a href="<?php echo site_url(); ?>/dashboard
      ">Dashboard</a></li>
97        <li><a href="<?php echo site_url('c_login/logout'); ?>"> Logout
      </a></li>
98      </ul>
99    </div><!−−/.sidebar−−>
100
101
102
103    <div class="col−sm−9 col−sm−offset−3 col−lg−10 col−lg−offset−2 main
      ">
104    <div class="rowa">
105    <div class="columna">
```

```
106      <div class="carda">
107      <h4>Jumlah Pembimbing </h4>
108      <table class="table table-bordered">
109        <thead>
110        <tr>
111          <th style="text-align: center;">Eksternal </th>
112          <th style="text-align: center;">Internal </th>
113        </tr>
114        </thead>
115        <tbody>
116        <tr>
117          <td><?php echo $totaldosen; ?></td>
118          <td><?php echo $totaldoseninternal; ?></td>
119        </tr>
120
121        </tbody>
122      </table>
123      </div>
124    </div>
125
126    <div class="columna">
127      <div class="carda">
128      <h4>Jumlah Mahasiswa</h4>
129      <table class="table table-bordered">
130        <thead>
131        <tr>
132        <?php
133          foreach ($gettahunangkatan   as $row) {
134            echo "<th style='text-align: center;'>$row->
      angkatan_mahasiswa</th>";
135          }
136          "
137          "
138        ?>
139        </tr>
140        </thead>
141        <tbody>
142        <tr>
143
144          <td><?php echo $totalmahasiswa2015; ?></td>
145          <td><?php echo $totalmahasiswa2016; ?></td>
146          <td><?php echo $totalmahasiswa2017; ?></td>
147        </tr>
148
149        </tbody>
150      </table>
151      </div>
152    </div>
153
154    <div class="columna">
155      <div class="carda">
156      <h4>Jumlah Lokasi Internship </h4>
157
158      <table class="table table-bordered">
159        <thead>
160        <tr>
```

```
161            <th style="text-align: center;">Total</th>
162          </tr>
163          </thead>
164          <tbody>
165          <tr>
166            <td><?php echo $totallokasiinternship; ?></td>
167          </tr>
168
169          </tbody>
170        </table>
171        </div>
172      </div>
173
174      <div class="columna">
175        <div class="carda">
176        <h4>Jumlah pengguna aktif </h4>
177        <table class="table table-bordered">
178          <thead>
179          <tr>
180            <th style="text-align: center;">Total</th>
181          </tr>
182          </thead>
183          <tbody>
184          <tr>
185            <td><?php echo $totaluser; ?></td>
186          </tr>
187
188          </tbody>
189        </table>
190        </div>
191      </div>
192      </div>
193        <div class="row">
194          <div class="col-lg-12">
195            <h1 class="page-header">Peta Lokasi Internship Mahasiswa </h1
      >
196          </div>
197        </div><!--/.row-->
198        <div class="row">
199          <div class="col-sm-12">
200            <div id="map" style="width:100%; height:280px;">
201
202            </div>
203          </div>
204        </div><!--/.row-->
205        <!--
206        <div class="row">
207          <div class="col-lg-12">
208            <h1 class="page-header">View Tabel Trigger radius </h1>
209          </div>
210        </div>
211
212        <div class="row">
213          <div class="col-sm-12">
214
215          <div class="panel panel-container">
```

```
216        <div class="row">
217            <div class="col−sm−12">
218            <div id="container" class="easyui−layout" fit="true" style=
       "height:300px;">
219                <div region="center">
220                  <table id="dgtrigger_radius" toolbar="#
       toolbartrigger_radius" class="easyui−datagrid" fit="true"
       singleSelect="true" fitColumns="true" rowNumbers="false"
       pagination="true" url="<?= site_url('c_kelola_user/
       gettrigger_radius') ?>" pageSize="50" pageList="
       [25,50,75,100,125,150,200]" nowrap="false">
221                    <thead>
222                      <tr>
223                        <th field="id_trigger" width="80">ID trigger </th>
224                        <th field="id_intern" width="100">ID Intern </th>
225                        <th field="id_track" width="100">ID Track </th>
226                        <th field="radius" width="100">ID radius </th>
227                      </tr>
228                    </thead>
229                  </table>
230                <div id="toolbartrigger_radius">
231                    <input   id="search_trigger_radius" class="easyui−
       searchbox" data−options="prompt:'Please Input Value',searcher:
       doSearchtrigger_radius,
232                    inputEvents: $.extend({}, $.fn.searchbox.defaults.
       inputEvents, {
233                      keyup: function(e){
234                        var t = $(e.data.target);
235                        var opts = t.searchbox('options');
236                        t.searchbox('setValue', $(this).val());
237                        opts.searcher.call(t[0],t.searchbox('getValue'),t
       .searchbox('getName'));
238                        }
239                      })" style="width:50%;"></input>
240                  </div>
241                </div>
242              </div>
243
244            </div>
245        </div>
246      </div
247      −−>
248
249      <div class="row">
250        <div class="col−lg−12">
251          <h1 class="page−header">Print Absensi per mahasiswa </h1>
252        </div>
253      </div><!−−/.row−−>
254      <div class="row">
255        <div class="col−lg−12">
256        <form action="<?php echo site_url(). '/dashboard/perorang'; ?>"
       method="post">
257      <table style="margin:20px auto;">
258        <tr>
259          <td>NPM : </td>
260          <td><input type="text" name="npmmahasiswa"></td>
```

```
261              <td><button type="submit" value="Submit">Submit</button></td>
262         </tr>
263
264      </table>
265    </form>
266         </div>
267     </div><!--/.row-->
268     <!-- start kelola absensi -->
269     <div class="row">
270       <div class="col-lg-12">
271         <h1 class="page-header">Kelola absensi</h1>
272       </div>
273     </div><!--/.row-->
274     <div class="row">
275       <div class="col-sm-12">
276
277       <div class="panel panel-container">
278       <div class="row">
279           <div class="col-sm-12">
280           <div id="container" class="easyui-layout" fit="true" style=
      "height:300px;">
281             <div region="center">
282               <table id="dgabsensi" toolbar="#toolbarabsensi" class="
      easyui-datagrid" fit="true" singleSelect="true" fitColumns="true"
       rowNumbers="false" pagination="true" url="<?= site_url('
      c_kelola_user/getabsensi') ?>" pageSize="50" pageList="
      [25,50,75,100,125,150,200]" nowrap="false">
283                 <thead>
284                 <tr>
285                   <th field="id_absensi" width="80">ID absensi</th>
286                   <th field="id_intern_absensi" width="100">ID
      Mahasiswa</th>
287                   <th field="id_mahasiswa_absensi" width="100">ID
      Intern</th>
288                   <th field="id_dosen_absensi" width="100">ID Dosen
      </th>
289                   <th field="latitude_absensi" width="100">Latitude
       absensi</th>
290                   <th field="longitude_absensi" width="100">
      Longtitude absensi</th>
291                   <th field="tgl_waktu_absensi" width="100">Date
      Time absensi</th>
292                   <th field="imei_perangkat_absensi" width="100">
      Imei absensi</th>
293                   <th field="kegiatan_absensi" width="100">Kegiatan
       absensi</th>
294                   <th field="foto_absensi" width="100">Photo
      absensi</th>
295                 </tr>
296                 </thead>
297               </table>
298               <div id="toolbarabsensi">
299                 <a href="javascript:void(0)" class="easyui-linkbutton
      " iconCls="icon-add" plain="true" onClick="newabsensi()">New</a>
```

```
300                    <a href="javascript:void(0)" class="easyui−linkbutton
       " iconCls="icon−edit" plain="true" onClick="editabsensi()">Edit </
       a>
301                    <a href="javascript:void(0)" class="easyui−linkbutton
       " iconCls="icon−remove" plain="true" onClick="destroyabsensi()">
       Destroy </a>
302                    <a href="<?php echo site_url(); ?>/dashboard/
       buatpdfabsensi" plain="true" class="easyui−linkbutton" iconCls="
       icon−print">Print </a>
303                    <input  id="searchabsensi" class="easyui−searchbox"
       data−options="prompt:'Please Input Value',searcher:
       doSearchabsensi ,
304                    inputEvents: $.extend({}, $.fn.searchbox.defaults.
       inputEvents , {
305                      keyup: function(e){
306                        var t = $(e.data.target);
307                        var opts = t.searchbox('options');
308                        t.searchbox('setValue', $(this).val());
309                        opts.searcher.call(t[0],t.searchbox('getValue'),t
       .searchbox('getName'));
310                      }
311                    })" style="width:50%;"></input>
312                 </div>
313              </div>
314
315          <div id="dlgabsensi" class="easyui−dialog" style="width:
       780px; height: auto; padding: 10px;" modal="true" closed="true"
       buttons="#dlgabsensiBtn">
316              <form id="fmabsensi" method="post">
317                 <div class="col−sm−12 justify−content−sm−center">
318
319
320                 <div class="row" style="width: 100%">
321                   <div class="col−sm−6">
322                     <div class="form−group">
323                       <label for="">ID absensi </label>
324                       <input type="text" name="id_absensi" class="
       easyui−textbox" style="width: 100%;">
325                     </div>
326                   </div>
327                   <div class="col−sm−6">
328                     <div class="form−group">
329                       <label for="">ID Intern </label>
330                       <select class="" style="width: 100%; margin: 0
       px; padding−top: 0px; padding−bottom: 0px; height: 25px; line−
       height: 25px;" name="id_intern_absensi">
331
332                       <?php
333                       foreach ($data_intern  as $row) {
334                       echo "<option value='".$row−>id_intern."'>".
       $row−>id_intern." | ".$row−>id_koor_intern."</option>";
335                       }
336                       echo"
337                       "
338                       ?>
339                       </select>
```

```
340                         </div>
341                       </div>
342                     </div>
343
344                 <div class="row" style="width: 100%">
345                   <div class="col-sm-6">
346                     <div class="form-group">
347                       <label for="">Id Mahasiswa</label>
348                       <select class="" style="width: 100%; margin: 0
     px; padding-top: 0px; padding-bottom: 0px; height: 25px; line-
     height: 25px;" name="id_mahasiswa_absensi">
349
350                         <?php
351                         foreach ($data_mahasiswa  as $row) {
352                         echo "<option value='".$row->id_mahasiswa."'>".
     $row->id_mahasiswa." | ".$row->nama_mahasiswa."</option>";
353                         }
354                         echo"
355                         "
356                         ?>
357                       </select>
358                     </div>
359                   </div>
360                   <div class="col-sm-6">
361                     <div class="form-group">
362                       <label for="">ID Dosen</label>
363                       <select class="" style="width: 100%; margin: 0
     px; padding-top: 0px; padding-bottom: 0px; height: 25px; line-
     height: 25px;" name="id_dosen_absensi">
364
365                         <?php
366                         foreach ($data_dosen  as $row) {
367                         echo "<option value='".$row->id_dosen."'>".$row
     ->id_dosen." | ".$row->nama_dosen."</option>";
368                         }
369                         echo"
370                         "
371                         ?>
372                       </select>
373                     </div>
374                   </div>
375                 </div>
376                 <div class="row" style="width: 100%">
377                   <div class="col-sm-6">
378                     <div class="form-group">
379                       <label for="">Latitude absensi</label>
380                       <input type="text" name="latitude_absensi"
     class="easyui-textbox" style="width: 100%;">
381                     </div>
382                   </div>
383                   <div class="col-sm-6">
384                     <div class="form-group">
385                       <label for="">Longitude absensi</label>
386                       <input type="text" name="longitude_absensi"
     class="easyui-textbox" style="width: 100%;">
387                     </div>
```

```
388                        </div>
389                      </div>
390                    <div class="row" style="width: 100%">
391                      <div class="col-sm-6">
392                        <div class="form-group">
393                          <label for="">Tanggal dan waktu</label>
394                          <input type="date" name="tgl_waktu_absensi"
      class="easyui-textbox" style="width: 100%;">
395                        </div>
396                      </div>
397                    <div class="col-sm-6">
398                      <div class="form-group">
399                        <label for="">Imei Perangkat</label>
400                        <input type="text" name="imei_perangkat_absensi
      " class="easyui-textbox" style="width: 100%;">
401                      </div>
402                    </div>
403                  </div>
404                  <div class="row" style="width: 100%">
405                    <div class="col-sm-6">
406                      <div class="form-group">
407                        <label for="">Kegiatan absensi</label>
408                        <input type="text" name="kegiatan_absensi"
      class="easyui-textbox" style="width: 100%;">
409                      </div>
410                    </div>
411                  <div class="col-sm-6">
412                    <div class="form-group">
413                      <label for="">Photo absensi</label>
414                      <input type="text" name="foto_absensi" class="
      easyui-textbox" style="width: 100%;">
415                    </div>
416                  </div>
417                </div>
418
419
420                </div>
421              </form>
422            </div>
423            <div id="dlgabsensiBtn">
424              <a href="javascript:void(0)" id="btn_save" class="
      easyui-linkbutton" iconCls="icon-ok-a" onclick="saveabsensi()"
      style="width:90px">Save</a>
425              <a href="javascript:void(0)" class="easyui-linkbutton"
      iconCls="icon-del-a" onclick="javascript:$('#dlgabsensi').dialog
      ('close'); $('#fmabsensi').form(clear)
426              " style="width:90px">Cancel</a>
427            </div>
428          </div>
429
430          </div>
431
432
433    </div>
434  </div><!--/.row-->
435  <!-- start kelola absensi-->
```

```
436
437      <!-- start kelola intern -->
438      <div class="row">
439        <div class="col-lg-12">
440          <h1 class="page-header">Kelola Intern </h1>
441        </div>
442      </div><!--/.row-->
443      <div class="row">
444        <div class="col-sm-12">
445
446      <div class="panel panel-container">
447      <div class="row">
448          <div class="col-sm-12">
449          <div id="container" class="easyui-layout" fit="true" style=
      "height:300px;">
450            <div region="center">
451              <table id="dgintern" toolbar="#toolbarintern" class="
      easyui-datagrid" fit="true" singleSelect="true" fitColumns="true"
       rowNumbers="false" pagination="true" url="<?= site_url('
      c_kelola_user/getintern') ?>" pageSize="50" pageList="
      [25,50,75,100,125,150,200]" nowrap="false">
452                <thead>
453                  <tr>
454                    <th field="id_intern" width="80">ID intern </th>
455                    <th field="id_koor_intern" width="100">
      Koordinator Internship </th>
456                    <th field="status_intern" width="100">Status
      Internship </th>
457                    <th field="tgl_mulai_intern" width="100">Tanggal
      mulai </th>
458                    <th field="tgl_akhir_intern" width="100">Tanggal
      berakhir </th>
459                  </tr>
460                </thead>
461              </table>
462              <div id="toolbarintern">
463                <a href="javascript:void(0)" class="easyui-linkbutton
      " iconCls="icon-add" plain="true" onClick="newintern()">New</a>
464                <a href="javascript:void(0)" class="easyui-linkbutton
      " iconCls="icon-edit" plain="true" onClick="editintern()">Edit </a
      >
465                <a href="javascript:void(0)" class="easyui-linkbutton
      " iconCls="icon-remove" plain="true" onClick="destroyintern()">
      Destroy </a>
466                <a href="<?php echo site_url(); ?>/dashboard/
      buatpdfintern" plain="true" class="easyui-linkbutton" iconCls="
      icon-print">Print </a>
467                <input  id="searchintern" class="easyui-searchbox"
      data-options="prompt:'Please Input Value',searcher:doSearchintern
      ,
468                  inputEvents: $.extend({}, $.fn.searchbox.defaults.
      inputEvents, {
469                    keyup: function(e){
470                      var t = $(e.data.target);
471                      var opts = t.searchbox('options');
472                      t.searchbox('setValue', $(this).val());
```

```
473                    opts.searcher.call(t[0],t.searchbox('getValue'),t
     .searchbox('getName'));
474                    }
475                })" style="width:50%;"></input>
476              </div>
477            </div>
478
479          <div id="dlgintern" class="easyui-dialog" style="width:
     780px; height: auto; padding: 10px;" modal="true" closed="true"
     buttons="#dlginternBtn">
480            <form id="fmintern" method="post">
481              <div class="col-sm-12 justify-content-sm-center">
482
483
484              <div class="row" style="width: 100%">
485                <div class="col-sm-6">
486                  <div class="form-group">
487                    <label for="">ID intern </label>
488                    <input type="text" name="id_intern" class="
     easyui-textbox" style="width: 100%;">
489                  </div>
490                </div>
491                <div class="col-sm-6">
492                  <div class="form-group">
493                    <label for="">ID Koordinator Internship </label
     >
494                    <select class="" style="width: 100%; margin: 0
     px; padding-top: 0px; padding-bottom: 0px; height: 25px; line-
     height: 25px;" name="id_koor_intern">
495
496                      <?php
497                      foreach ($data_dosen  as $row) {
498                      echo "<option value='".$row->id_dosen."'>".$row
     ->id_dosen." | ".$row->nama_dosen."</option>";
499                      }
500                      echo"
501                      "
502                      ?>
503                    </select>
504                  </div>
505                </div>
506              </div>
507
508              <div class="row" style="width: 100%">
509                <div class="col-sm-6">
510                  <div class="form-group">
511                    <label for="">Status Internship </label>
512                    <input type="text" name="status_intern" class="
     easyui-textbox" style="width: 100%;">
513                  </div>
514                </div>
515                <div class="col-sm-6">
516                  <div class="form-group">
517                    <label for="">Tanggal Mulai </label>
```

```
518                        <input type="datetime-local" data-date="" data-
       date-format="YYYY MM DD" name="tanggal_mulai" class="easyui-
       textbox" style="width: 100%;">
519                      </div>
520                    </div>
521                  </div>
522                  <div class="row" style="width: 100%">
523                    <div class="col-sm-12">
524                      <div class="form-group">
525                        <label for="">Tanggal Berakhir</label>
526                        <input type="datetime-local" data-date="" data-
       date-format="YYYY MM DD" name="tanggal_berakhir" class="easyui-
       textbox" style="width: 100%;">
527                      </div>
528                    </div>
529                  </div>


532                  </div>
533                </form>
534              </div>
535              <div id="dlginternBtn">
536                <a href="javascript:void(0)" id="btn_save" class="
       easyui-linkbutton" iconCls="icon-ok-a" onclick="saveintern()"
       style="width:90px">Save</a>
537                <a href="javascript:void(0)" class="easyui-linkbutton"
       iconCls="icon-del-a" onclick="javascript:$('#dlgintern').dialog('
       close'); $('#fmintern').form(clear)
538                " style="width:90px">Cancel</a>
539              </div>
540            </div>

542            </div>


545        </div>
546      </div><!--/.row-->
547      <!-- end kelola intern -->

549      <!-- start kelola mahasiswa-->
550      <div class="row">
551        <div class="col-lg-12">
552          <h1 class="page-header">Kelola Mahasiswa</h1>
553        </div>
554      </div><!--/.row-->
555      <div class="row">
556        <div class="col-sm-12">

558        <div class="panel panel-container">
559        <div class="row">
560            <div class="col-sm-12">
561            <div id="container" class="easyui-layout" fit="true" style=
       "height:300px;">
562              <div region="center">
563                <table id="dgmahasiswa" toolbar="#toolbarmahasiswa"
       class="easyui-datagrid" fit="true" singleSelect="true" fitColumns
```

```
               ="true" rowNumbers="false" pagination="true" url="<?= site_url('
               c_kelola_user/getmahasiswa') ?>" pageSize="50" pageList="
               [25,50,75,100,125,150,200]" nowrap="false">
564                <thead>
565                  <tr>
566                    <th field="id_mahasiswa" width="80">ID</th>
567                    <th field="nama_mahasiswa" width="100">Nama
               Mahasiswa</th>
568                    <th field="kelas_mahasiswa" width="100">Kelas</th
               >
569                    <th field="id_prodi_mahasiswa" width="100">Prodi
               </th>
570                    <th field="angkatan_mahasiswa" width="100">
               Angkatan</th>
571                    <th field="foto_mahasiswa" width="100">Photo
               mahasiswa</th>
572
573                  </tr>
574                </thead>
575              </table>
576              <div id="toolbarmahasiswa">
577                <a href="javascript:void(0)" class="easyui-linkbutton
               " iconCls="icon-add" plain="true" onClick="newmahasiswa()">New</a
               >
578                <a href="javascript:void(0)" class="easyui-linkbutton
               " iconCls="icon-edit" plain="true" onClick="editmahasiswa()">Edit
               </a>
579                <a href="javascript:void(0)" class="easyui-linkbutton
               " iconCls="icon-remove" plain="true" onClick="destroymahasiswa()"
               >Destroy</a>
580                <a href="<?php echo site_url(); ?>/dashboard/
               buatpdfmahasiswa" plain="true" class="easyui-linkbutton" iconCls=
               "icon-print">Print</a>
581                <input id="searchmahasiswa" class="easyui-searchbox"
                data-options="prompt:'Please Input Value', searcher:
               doSearchmahasiswa,
582                inputEvents: $.extend({}, $.fn.searchbox.defaults.
               inputEvents, {
583                  keyup: function(e){
584                    var t = $(e.data.target);
585                    var opts = t.searchbox('options');
586                    t.searchbox('setValue', $(this).val());
587                    opts.searcher.call(t[0], t.searchbox('getValue'), t
               .searchbox('getName'));
588                  }
589                })" style="width:50%;"></input>
590              </div>
591            </div>
592
593          <div id="dlgmahasiswa" class="easyui-dialog" style="width
               : 780px; height: auto; padding: 10px;" modal="true" closed="true"
                buttons="#dlgmahasiswaBtn">
594            <form id="fmmahasiswa" method="post">
595              <div class="col-sm-12 justify-content-sm-center">
596
597
```

```
598                    <div class="row" style="width: 100%">
599                      <div class="col-sm-6">
600                        <div class="form-group">
601                          <label for="">ID mahasiswa</label>
602                          <select class="" style="width: 100%; margin: 0
       px; padding-top: 0px; padding-bottom: 0px; height: 25px; line-
       height: 25px;" name="id_mahasiswa">
603
604                          <?php
605                          foreach ($data_user as $row) {
606                          echo "<option value='".$row->id_user."'>".$row
       ->id_user." | ".$row->username."</option>";
607                          }
608                          echo"
609                          "
610                          ?>
611                          </select>
612                        </div>
613                      </div>
614                      <div class="col-sm-6">
615                        <div class="form-group">
616                          <label for="">Nama Mahasiswa </label>
617                          <input type="text" name="nama_mahasiswa" class=
       "easyui-textbox" style="width: 100%;">
618                        </div>
619                      </div>
620                    </div>
621
622                    <div class="row" style="width: 100%">
623                      <div class="col-sm-6">
624                        <div class="form-group">
625                          <label for="">Kelas mahasiswa</label>
626                          <input type="text" name="kelas_mahasiswa" class
       ="easyui-textbox" style="width: 100%;">
627                        </div>
628                      </div>
629                      <div class="col-sm-6">
630                        <div class="form-group">
631                          <label for="">Prodi </label>
632
633                          <select class="" style="width: 100%; margin: 0
       px; padding-top: 0px; padding-bottom: 0px; height: 25px; line-
       height: 25px;" name="id_prodi_mahasiswa">
634
635                          <?php
636                          foreach ($data_prodi as $row) {
637                          echo "<option value='".$row->id_prodi."'>".$row
       ->nama_prodi."</option>";
638                          }
639                          echo"
640                          "
641                          ?>
642                          </select>
643                        </div>
644                      </div>
645
```

```
646                     </div>
647                   <div class="row" style="width: 100%">
648                     <div class="col-sm-6">
649                       <div class="form-group">
650                         <label for="">Tahun Angkatan</label>
651                         <input type="text" name="angkatan_mahasiswa"
       class="easyui-textbox" style="width: 100%;">
652                       </div>
653                     </div>
654                     <div class="col-sm-6">
655                       <div class="form-group">
656                         <label for="">foto mahasiswa</label>
657                         <input type="text" name="foto_mahasiswa" class=
       "easyui-textbox" style="width: 100%;">
658                       </div>
659                     </div>
660
661                   </div>
662
663                   </div>
664                 </form>
665               </div>
666             <div id="dlgmahasiswaBtn">
667               <a href="javascript:void(0)" id="btn_save" class=
       easyui-linkbutton" iconCls="icon-ok-a" onclick="savemahasiswa()"
       style="width:90px">Save</a>
668               <a href="javascript:void(0)" class="easyui-linkbutton"
       iconCls="icon-del-a" onclick="javascript:$('#dlgmahasiswa').
       dialog('close'); $('#fmmahasiswa').form(clear)
669               " style="width:90px">Cancel</a>
670             </div>
671         </div>
672
673         </div>
674
675
676     </div>
677   </div><!--/.row-->
678   <!-- start kelola mahasiswa-->
679
680   <!-- start kelola dosen-->
681   <div class="row">
682     <div class="col-lg-12">
683       <h1 class="page-header">Kelola Dosen</h1>
684     </div>
685   </div><!--/.row-->
686   <div class="row">
687     <div class="col-sm-12">
688     <div class="panel panel-container">
689     <div class="row">
690         <div class="col-sm-12">
691         <div id="container" class="easyui-layout" fit="true" style=
       "height:300px;">
692             <div region="center">
693               <table id="dgdosen" toolbar="#toolbardosen" class="
       easyui-datagrid" fit="true" singleSelect="true" fitColumns="true"
```

```
          rowNumbers="false" pagination="true" url="<?= site_url('
      c_kelola_user/getdosen') ?>" pageSize="50" pageList="
      [25,50,75,100,125,150,200]" nowrap="false">
694               <thead>
695                 <tr>
696                   <th field="id_dosen" width="80">ID Dosen</th>
697                   <th field="nama_dosen" width="100">Nama Dosen</th
      >
698                   <th field="id_prodi_dosen" width="100">ID Prodi</
      th>
699                   <th field="foto_dosen" width="100">Photo Dosen</
      th>
700                   <th field="status" width="100">Status Dosen</th>
701                 </tr>
702               </thead>
703             </table>
704             <div id="toolbardosen">
705               <a href="javascript:void(0)" class="easyui-linkbutton
      " iconCls="icon-add" plain="true" onClick="newdosen()">New</a>
706               <a href="javascript:void(0)" class="easyui-linkbutton
      " iconCls="icon-edit" plain="true" onClick="editdosen()">Edit</a>
707               <a href="javascript:void(0)" class="easyui-linkbutton
      " iconCls="icon-remove" plain="true" onClick="destroydosen()">
      Destroy</a>
708               <a href="<?php echo site_url(); ?>/dashboard/
      buatpdfdosen" plain="true" class="easyui-linkbutton" iconCls="
      icon-print">Print</a>
709               <input  id="searchdosen" class="easyui-searchbox"
      data-options="prompt:'Please Input Value',searcher:doSearchdosen,
710               inputEvents: $.extend({}, $.fn.searchbox.defaults.
      inputEvents, {
711                 keyup: function(e){
712                   var t = $(e.data.target);
713                   var opts = t.searchbox('options');
714                   t.searchbox('setValue', $(this).val());
715                   opts.searcher.call(t[0],t.searchbox('getValue'),t
      .searchbox('getName'));
716                 }
717               })" style="width:50%;"></input>
718             </div>
719           </div>
720
721           <div id="dlgdosen" class="easyui-dialog" style="width:
      780px; height: auto; padding: 10px;" modal="true" closed="true"
      buttons="#dlgdosenBtn">
722             <form id="fmdosen" method="post">
723               <div class="col-sm-12 justify-content-sm-center">
724
725
726               <div class="row" style="width: 100%">
727                 <div class="col-sm-6">
728                   <div class="form-group">
729                     <label for="">ID Dosen </label><br>
730                     <select class="" style="width: 100%; margin: 0
      px; padding-top: 0px; padding-bottom: 0px; height: 25px; line-
      height: 25px;" name="id_dosen">
```

```
731
732                              <?php
733                              foreach ($data_user  as $row) {
734                              echo "<option value='".$row->id_user."'>".$row
      ->id_user." | ".$row->username."</option>";
735                              }
736                              echo"
737                              "
738                              ?>
739                              </select>
740
741                          </div>
742                        </div>
743                      <div class="col-sm-6">
744                        <div class="form-group">
745                          <label for="">Nama Dosen</label>
746                          <input type="text" name="nama_dosen" class="
      easyui-textbox" style="width: 100%;">
747                        </div>
748                      </div>
749                      <div class="col-sm-6">
750                        <div class="form-group">
751                          <label for="">ID Prodi </label><br>
752                          <select class="" style="width: 100%; margin: 0
      px; padding-top: 0px; padding-bottom: 0px; height: 25px; line-
      height: 25px;" name="id_prodi_dosen">
753
754                              <?php
755                              foreach ($data_prodi  as $row) {
756                              echo "<option value='".$row->id_prodi."'>".$row
      ->nama_prodi."</option>";
757                              }
758                              echo"
759                              "
760                              ?>
761                          </select>
762                        </div>
763                      </div>
764                      <div class="col-sm-6">
765                        <div class="form-group">
766                          <label for="">Photo Dosen</label>
767                          <input type="text" name="foto_dosen" class="
      easyui-textbox" style="width: 100%;">
768                        </div>
769                      </div>
770                    </div>
771
772                  <div class="row" style="width: 100%">
773
774                      <div class="col-sm-12">
775                        <div class="form-group">
776                          <label for="">Status Dosen</label>
777                          <select class="" style="width: 100%; margin: 0
      px; padding-top: 0px; padding-bottom: 0px; height: 25px; line-
      height: 25px;" name="status">
778                          <option value="eksternal">Eksternal </option>
```

```
779                        <option value="internal">Internal </option>
780                        </select>

782                     </div>
783                   </div>

785                 </div>


788                 </div>
789               </form>
790             </div>
791             <div id="dlgdosenBtn">
792               <a href="javascript:void(0)" id="btn_save" class="
     easyui-linkbutton" iconCls="icon-ok-a" onclick="savedosen()"
     style="width:90px">Save </a>
793               <a href="javascript:void(0)" class="easyui-linkbutton"
     iconCls="icon-del-a" onclick="javascript:$('#dlgdosen').dialog('
     close'); $('#fmdosen').form(clear)
794               " style="width:90px">Cancel </a>
795             </div>
796           </div>

798           </div>

800       </div>
801     </div><!--/.row-->


804     <!--end kelola dosen-->
805     <!--start kelola user-->
806     <div class="row">
807       <div class="col-lg-12">
808         <h1 class="page-header">Kelola User </h1>
809       </div>
810     </div><!--/.row-->
811     <div class="row">
812       <div class="col-sm-12">
813       <div class="panel panel-container">
814       <div class="row">
815           <div class="col-sm-12">
816           <div id="container" class="easyui-layout" fit="true" style=
     "height:300px;">
817             <div region="center">
818               <table id="dgCustomers" toolbar="#toolbarCustomer"
     class="easyui-datagrid" fit="true" singleSelect="true" fitColumns
     ="true" rowNumbers="false" pagination="true" url="<?= site_url('
     c_kelola_user/getcustomers') ?>" pageSize="50" pageList="
     [25,50,75,100,125,150,200]" nowrap="false">
819                 <thead>
820                   <tr>
821                     <th field="id_user" width="80">ID User </th>
822                     <th field="username" width="100">Username </th>
823                     <th field="password" width="100">Password </th>
824                     <th field="status_user" width="100">Status </th>
825                     <th field="role_user" width="100">Status </th>
```

```
826                      </tr>
827                    </thead>
828                  </table>
829                <div id="toolbarCustomer">
830                    <a href="javascript:void(0)" class="easyui-linkbutton
      " iconCls="icon-add" plain="true" onClick="newCustomer()">New</a>
831                    <a href="javascript:void(0)" class="easyui-linkbutton
      " iconCls="icon-edit" plain="true" onClick="editCustomer()">Edit
      </a>
832                    <a href="javascript:void(0)" class="easyui-linkbutton
      " iconCls="icon-remove" plain="true" onClick="destroyCustomer()">
      Destroy</a>
833                    <a href="<?php echo site_url(); ?>/dashboard/
      buatpdfuser" plain="true" class="easyui-linkbutton" iconCls="icon
      -print">Print</a>
834                    <input   id="searchCustomer" class="easyui-searchbox"
      data-options="prompt:'Please Input Value',searcher:
      doSearchCustomer,
835                inputEvents: $.extend({}, $.fn.searchbox.defaults.
      inputEvents, {
836                  keyup: function(e){
837                    var t = $(e.data.target);
838                    var opts = t.searchbox('options');
839                    t.searchbox('setValue', $(this).val());
840                    opts.searcher.call(t[0],t.searchbox('getValue'),t
      .searchbox('getName'));
841                  }
842                })" style="width:50%;"></input>
843                </div>
844              </div>
845
846            <div id="dlgCustomer" class="easyui-dialog" style="width:
       780px; height: auto; padding: 10px;" modal="true" closed="true"
      buttons="#dlgCustomerBtn">
847                <form id="fmCustomer" method="post">
848                <div class="col-sm-12 justify-content-sm-center">
849
850
851                <div class="row" style="width: 100%">
852                  <div class="col-sm-6">
853                    <div class="form-group">
854                      <label for="">ID</label>
855                      <input type="text" name="id_user" class="easyui
      -textbox" style="width: 100%;">
856                    </div>
857                  </div>
858                  <div class="col-sm-6">
859                    <div class="form-group">
860                      <label for="">Username </label>
861                      <input type="text" name="username" class="
      easyui-textbox" style="width: 100%;">
862                    </div>
863                  </div>
864                </div>
865
866                <div class="row" style="width: 100%">
```

```
867                        <div class="col−sm−6">
868                          <div class="form−group">
869                            <label for="">Password</label>
870                            <input type="text" name="password" class="
       easyui−textbox" style="width: 100%;">
871                          </div>
872                        </div>
873                        <div class="col−sm−6">
874                          <div class="form−group">
875                            <label for="">status</label>
876                            <input type="text" name="status_user" class="
       easyui−textbox" style="width: 100%;">
877                          </div>
878                        </div>
879                      </div>
880
881                    <div class="row" style="width: 100%">
882                      <div class="col−sm−12">
883                        <div class="form−group">
884                          <label for="">Role User</label>
885                          <input type="text" name="role_user" class="
       easyui−textbox" style="width: 100%;">
886                        </div>
887                      </div>
888
889                    </div>
890
891                    </div>
892                  </form>
893                </div>
894                <div id="dlgCustomerBtn">
895                  <a href="javascript:void(0)" id="btn_save" class="
       easyui−linkbutton" iconCls="icon−ok−a" onclick="saveCustomer()"
       style="width:90px">Save</a>
896                  <a href="javascript:void(0)" class="easyui−linkbutton"
       iconCls="icon−del−a" onclick="javascript:$('#dlgCustomer').dialog
       ('close'); $('#fmCustomer').form(clear)
897                  " style="width:90px">Cancel</a>
898                </div>
899              </div>
900
901              </div>
902
903      </div><!−−/.row−−>
904    </div>
905
906      </div>
907    </div><!−−/.row−−>
908
909    <!−−end kelola user−−>
910
911
912    <!−−Start kelola prodi −−>
913    <div class="row">
914      <div class="col−lg−12">
915        <h1 class="page−header">Kelola Prodi</h1>
```

```
916              </div>
917          </div><!--/.row-->
918      <div class="row">
919        <div class="col-sm-12">
920        <div id="container" class="easyui-layout" fit="true" style="
         height:200px; width:100%;">
921              <div region="center">
922                <table id="dgprodi" toolbar="#toolbarkelolaprodi" class
         ="easyui-datagrid" fit="true" singleSelect="true" fitColumns="
         true" rowNumbers="false" pagination="true" url="<?= site_url('
         c_kelola_user/getProdi') ?>" pageSize="50" pageList="
         [25,50,75,100,125,150,200]" nowrap="false">
923                  <thead>
924                    <tr>
925                      <th field="id_prodi" width="80">ID Prodi </th>
926                      <th field="nama_prodi" width="100">Nama Prodi </th
         >
927                    </tr>
928                  </thead>
929                </table>
930                <div id="toolbarkelolaprodi">
931                  <a href="javascript:void(0)" class="easyui-linkbutton
         " iconCls="icon-add" plain="true" onClick="newprodi()">New</a>
932                  <a href="javascript:void(0)" class="easyui-linkbutton
         " iconCls="icon-edit" plain="true" onClick="editprodi()">Edit </a>
933                  <a href="javascript:void(0)" class="easyui-linkbutton
         " iconCls="icon-remove" plain="true" onClick="destroyprodi()">
         Destroy </a>
934                  <a href="<?php echo site_url(); ?>/dashboard/
         buatpdfprodi" plain="true" class="easyui-linkbutton" iconCls="
         icon-print">Print </a>
935                  <input id="searchprodi" class="easyui-searchbox"
         data-options="prompt:'Please Input Value', searcher:doSearchprodi,
936                  inputEvents: $.extend({}, $.fn.searchbox.defaults.
         inputEvents, {
937                    keyup: function(e){
938                      var t = $(e.data.target);
939                      var opts = t.searchbox('options');
940                      t.searchbox('setValue', $(this).val());
941                      opts.searcher.call(t[0], t.searchbox('getValue'), t
         .searchbox('getName'));
942                    }
943                  })" style="width:50%;"></input>
944                </div>
945              </div>
946
947              <div id="dlgprodi" class="easyui-dialog" style="width:
         780px; height: auto; padding: 10px;" modal="true" closed="true"
         buttons="#dlgprodiBtn">
948                <form id="fmprodi" method="post">
949                  <div class="col-sm-12 justify-content-sm-center">
950
951
952                  <div class="row" style="width: 100%">
953                    <div class="col-sm-6">
954                      <div class="form-group">
```

```
955                    <label for="">ID Prodi </label>
956                    <input type="text" name="id_prodi" class="
        easyui−textbox" style="width: 100%;">
957                    </div>
958                   </div>
959                  <div class="col−sm−6">
960                   <div class="form−group">
961                    <label for="">Nama Prodi </label>
962                    <input type="text" name="nama_prodi" class="
        easyui−textbox" style="width: 100%;">
963                    </div>
964                   </div>
965                  </div>
966
967
968
969                  </div>
970                 </form>
971                </div>
972               <div id="dlgprodiBtn">
973                 <a href="javascript:void(0)" id="btn_save" class="
        easyui−linkbutton" iconCls="icon−ok−a" onclick="saveprodi()"
        style="width:90px">Save </a>
974                 <a href="javascript:void(0)" class="easyui−linkbutton"
        iconCls="icon−del−a" onclick="javascript:$('#dlgprodi').dialog('
        close'); $('#fmprodi').form(clear)
975                 " style="width:90px">Cancel </a>
976               </div>
977             </div>
978          </div>
979       </div><!−−/.row−−>
980
981
982
983   </div><!−−/.row−−>
984  </div>   <!−−/.main−−>
985
986
987
988  </body>
989
990
991  <script src="<?php echo base_url(); ?>assets/js/jquery −1.11.1.min.js"
        ></script>
992      <script src="<?php echo base_url(); ?>assets/js/bootstrap.min.js"
        ></script>
993
994      <script type="text/javascript" src="<?php echo base_url(); ?>
        assets/js/leaflet.js"></script>
995
996      <script type="text/javascript" src="<?php echo base_url(); ?>
        assets/js/leaflet.markercluster.js"></script>
997
998      <link rel="stylesheet" type="text/css" href="<?php echo base_url
        ('assets/css/icon.css') ?>">
999
```

```
1000    <script src="<?php echo base_url(); ?>assets/js/jquery.min.js"></
        script>
1001    <script type="text/javascript" src="<?php echo base_url('assets/
        js/jquery.easyui.min.js') ?>"></script>
1002    <script type="text/javascript" src="<?php echo base_url('assets/
        js/script.js') ?>"></script>
1003    <link rel="stylesheet" type="text/css" href="<?php echo base_url
        ('assets/css/easyui.css') ?>">
1004    <script type="text/javascript">
1005        var map, newUser, users, mapquest, firstLoad;
1006
1007        firstLoad = true;
1008
1009        // users = new L.FeatureGroup();
1010        users = new L.MarkerClusterGroup({spiderfyOnMaxZoom: true,
        showCoverageOnHover: false, zoomToBoundsOnClick: true});
1011        newUser = new L.LayerGroup();
1012
1013
1014
1015        mapquest = new L.TileLayer("https://api.tiles.mapbox.com/v4/{id
        }/{z}/{x}/{y}.png?access_token={accessToken}", {
1016            maxZoom: 18,
1017            id: 'mapbox.streets',
1018            subdomains: ["otile1", "otile2", "otile3", "otile4"],
1019            attribution: 'Map data &copy; <a href="http://openstreetmap.
        org">OpenStreetMap</a> contributors, <a href="http://
        creativecommons.org/licenses/by-sa/2.0/">CC-BY-SA</a>, Imagery
         <a href="http://mapbox.com">Mapbox</a>',
1020            accessToken: 'pk.
        eyJ1IjoiY2hhbmRyYWtwIiwiYSI6ImNrMzJpOWJoMDBhdDczZG1tZXk3MmpppeGEifQ
        .wWJUgnRB1DsKnmYQdsJVxQ'
1021        });
1022
1023        map = new L.Map('map', {
1024            center: new L.LatLng(-6.914744, 107.609810),
1025            zoom: 10,
1026            layers: [mapquest, users, newUser]
1027        });
1028
1029        // GeoLocation Control
1030
1031        //map.locate({setView: true, maxZoom: 3});
1032
1033        $(document).ready(function() {
1034            $.ajaxSetup({cache: false});
1035            $('#map').css('height', ($(window).height() - 300));
1036            getUsers();
1037        });
1038
1039        $(window).resize(function () {
1040            $('#map').css('height', ($(window).height() - 300));
1041        }).resize();
1042
1043
1044
```

```
1045        function getUsers() {
1046          $.getJSON("<?php echo site_url(); ?>/c_kelola_user/
        getCustomerJSON", function (data) {
1047            for (var i = 0; i < data.length; i++) {
1048              var location = new L.LatLng(data[i].latitude_absensi,
        data[i].longitude_absensi);
1049              var name = data[i].id_mahasiswa_absensi;
1050              var website = data[i].foto_absensi;
1051          var host = window.base_url = <?php echo json_encode(base_url())
        ; ?>;
1052
1053
1054
1055              var marker = new L.Marker(location, { title: name});
1056              marker.bindPopup("<div style='text-align: center; margin-
        left: auto; margin-right: auto;'><img style='width:100px; height
        :100px;' src="+ host + website+">"+ name +"</div>", {maxWidth: '
        400'});
1057              users.addLayer(marker);
1058            }
1059          }).complete(function() {
1060            if (firstLoad == true) {
1061              map.fitBounds(users.getBounds());
1062              firstLoad = false;
1063            };
1064          });
1065        }
1066
1067
1068
1069
1070      </script>
1071  </html>
```

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4    <meta charset="utf-8">
5    <meta name="viewport" content="width=device-width, initial-scale=1"
        >
6    <title>Lumino - Login</title>
7    <link href="<?php echo base_url(); ?>assets/css/bootstrap.min.css"
        rel="stylesheet">
8    <link href="<?php echo base_url(); ?>assets/css/datepicker3.css"
        rel="stylesheet">
9    <link href="<?php echo base_url(); ?>assets/css/styles.css" rel="
        stylesheet">
10   <!--[if lt IE 9]>
11   <script src="js/html5shiv.js"></script>
12   <script src="js/respond.min.js"></script>
13   <![endif]-->
14  </head>
15  <body>
16    <div class="row">
17      <div class="col-xs-10 col-xs-offset-1 col-sm-8 col-sm-offset-2
        col-md-4 col-md-offset-4">
```

```
18        <div class="login−panel panel panel−default">
19          <div class="panel−heading">Log in </div>
20          <div class="panel−body">
21          <form action="<?php echo site_url('c_login/aksi_login'); ?>"
      method="post">
22              <div class="form−group">
23                <input class="form−control" placeholder="username"
      name="username" type="text" autofocus="">
24              </div>
25              <div class="form−group">
26                <input class="form−control" placeholder="password"
      name="password" type="password" value="">
27              </div>
28              <input type="submit" value="Login" class="btn btn−
      primary">
29              <a href="<?php echo site_url(); ?>/c_register">Register
      </a>
30
31          </form>
32        </div>
33        </div>
34      </div><!−− /. col−−>
35    </div><!−− /. row −−>
36
37
38 <script src="<?php echo base_url(); ?>assets/js/jquery −1.11.1.min.js"
      ></script >
39  <script src="<?php echo base_url(); ?>assets/js/bootstrap.min.js"
      ></script >
40 </body>
41 </html>
```

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title >Grafik Aktivitas Mahasiswa </title >
5
6   <?php
7         foreach($jan as $data){
8             $jumlahjanuary [] = $data−>kegiatan ;
9         }
10        foreach($feb as $data){
11            $jumlahfebruary [] = $data−>kegiatan ;
12        }
13        foreach($mar as $data){
14            $jumlahmarch [] = $data−>kegiatan ;
15        }
16        foreach($apr as $data){
17            $jumlahapril [] = $data−>kegiatan ;
18        }
19        foreach($may as $data){
20            $jumlahmay [] = $data−>kegiatan ;
21        }
22        foreach($jun as $data){
23            $jumlahjune [] = $data−>kegiatan ;
24        }
```

```php
25              foreach($jul as $data){
26                  $jumlahjuly[] = $data->kegiatan;
27              }
28              foreach($aug as $data){
29                  $jumlahaugust[] = $data->kegiatan;
30              }
31              foreach($sep as $data){
32                  $jumlahseptember[] = $data->kegiatan;
33              }
34              foreach($oct as $data){
35                  $jumlahoctober[] = $data->kegiatan;
36              }
37              foreach($nov as $data){
38                  $jumlahnovember[] = $data->kegiatan;
39              }
40              foreach($dec as $data){
41                  $jumlahdecember[] = $data->kegiatan;
42              }
43          ?>
44  </head>
45  <body>
46
47    <canvas id="canvas" width="1000" height="280"></canvas>
48
49    <!--Load chart js-->
50    <script type="text/javascript" src="<?php echo base_url().'assets/
      js/Chart.min.js'?>"></script>
51    <script>
52
53              var lineChartData = {
54                  labels : ["January","February","March","April","May",
      "June","July","August","September","October","November","December
      "],
55                  datasets : [
56
57                      {
58                          fillColor: "rgba(60,141,188,0.9)",
59                          strokeColor: "rgba(60,141,188,0.8)",
60                          pointColor: "#3b8bba",
61                          pointStrokeColor: "#fff",
62                          pointHighlightFill: "#fff",
63                          pointHighlightStroke: "rgba(152,235,239,1)",
64                          data : [<?php echo json_encode($jumlahjanuary
      );?>,<?php echo json_encode($jumlahfebruary);?>,<?php echo
      json_encode($jumlahmarch);?>,<?php echo json_encode($jumlahapril)
      ;?>,<?php echo json_encode($jumlahmay);?>,<?php echo json_encode(
      $jumlahjune);?>,<?php echo json_encode($jumlahjuly);?>,<?php echo
       json_encode($jumlahaugust);?>,<?php echo json_encode(
      $jumlahseptember);?>,<?php echo json_encode($jumlahoctober);?>,<?
      php echo json_encode($jumlahnovember);?>,<?php echo json_encode(
      $jumlahdecember);?>]
65                      }
66
67                  ]
68
69              }
```

```
70
71        var myLine = new Chart(document.getElementById("canvas").
       getContext("2d")).Line(lineChartData);
72
73        </script>
74  </body>
75  </html>
```

```
1   <!DOCTYPE html>
2   <html>
3   <head>
4     <meta charset="utf-8">
5     <meta name="viewport" content="width=device-width, initial-scale=1"
        >
6     <title>Actspot505</title>
7     <link href="<?php echo base_url(); ?>assets/css/bootstrap.min.css"
        rel="stylesheet">
8     <link href="<?php echo base_url(); ?>assets/css/styles.css" rel="
        stylesheet">
9     <link rel="stylesheet" type="text/css" href="<?php echo base_url('
        assets/css/easyui.css') ?>">
10      <link rel="stylesheet" type="text/css" href="<?php echo base_url
        ('assets/css/icon.css') ?>">
11
12    <script src="<?php echo base_url(); ?>assets/js/jquery.min.js"></
        script>
13    <script type="text/javascript" src="<?php echo base_url('assets/js/
        jquery.easyui.min.js') ?>"></script>
14      <script type="text/javascript" src="<?php echo base_url('assets/
        js/script.js') ?>"></script>
15
16
17
18
19
20
21
22    <link rel="stylesheet" href="https://openlayers.org/en/v4.6.5/css/
        ol.css" type="text/css">
23      <script src="https://cdn.jsdelivr.net/gh/openlayers/openlayers.
        github.io@master/en/v6.1.1/build/ol.js"></script>
24    <!--Custom Font-->
25    <link href="https://fonts.googleapis.com/css?family=Montserrat
        :300,300i,400,400i,500,500i,600,600i,700,700i" rel="stylesheet">
26    <!--[if lt IE 9]>
27    <script src="js/html5shiv.js"></script>
28    <script src="js/respond.min.js"></script>
29    <![endif]-->
30
31  </head>
32  <body>
33    <nav class="navbar navbar-custom navbar-fixed-top" role="navigation
        ">
34      <div class="container-fluid">
35        <div class="navbar-header">
```

```
36          <button type="button" class="navbar-toggle collapsed" data-
      toggle="collapse" data-target="#sidebar-collapse"><span class="sr
      -only">Toggle navigation</span>
37            <span class="icon-bar"></span>
38            <span class="icon-bar"></span>
39            <span class="icon-bar"></span></button>
40          <a class="navbar-brand" href="#"><span>Lumino</span>Admin</a>
41          <!--
42          <ul class="nav navbar-top-links navbar-right">
43            <li class="dropdown"><a class="dropdown-toggle count-info"
      data-toggle="dropdown" href="#">
44              <span class="label label-danger">15</span>
45            </a>
46              <ul class="dropdown-menu dropdown-messages">
47                <li>
48                  <div class="dropdown-messages-box"><a href="profile.
      html" class="pull-left">
49                    <img alt="image" class="img-circle" src="http://
      placehold.it/40/30a5ff/fff">
50                  </a>
51                    <div class="message-body"><small class="pull-right"
      >3 mins ago</small>
52                      <a href="#"><strong>John Doe</strong> commented
      on <strong>your photo</strong>.</a>
53                      <br /><small class="text-muted">1:24 pm -
      25/03/2015</small></div>
54                  </div>
55                </li>
56                <li class="divider"></li>
57                <li>
58                  <div class="dropdown-messages-box"><a href="profile.
      html" class="pull-left">
59                    <img alt="image" class="img-circle" src="http://
      placehold.it/40/30a5ff/fff">
60                  </a>
61                    <div class="message-body"><small class="pull-right"
      >1 hour ago</small>
62                      <a href="#">New message from <strong>Jane Doe</
      strong>.</a>
63                      <br /><small class="text-muted">12:27 pm -
      25/03/2015</small></div>
64                  </div>
65                </li>
66                <li class="divider"></li>
67                <li>
68                  <div class="all-button"><a href="#">
69                    <strong>All Messages</strong>
70                  </a></div>
71                </li>
72              </ul>
73            </li>
74          <li class="dropdown"><a class="dropdown-toggle count-info"
      data-toggle="dropdown" href="#">
75              <span class="label label-info">5</span>
76            </a>
77              <ul class="dropdown-menu dropdown-alerts">
```

```
78              <li><a href="#">
79                <div><em class="fa fa-envelope"></em> 1 New Message
80                  <span class="pull-right text-muted small">3 mins
    ago</span></div>
81                </a></li>
82              <li class="divider"></li>
83              <li><a href="#">
84                <div><em class="fa fa-heart"></em> 12 New Likes
85                  <span class="pull-right text-muted small">4 mins
    ago</span></div>
86                </a></li>
87              <li class="divider"></li>
88              <li><a href="#">
89                <div><em class="fa fa-user"></em> 5 New Followers
90                  <span class="pull-right text-muted small">4 mins
    ago</span></div>
91                </a></li>
92            </ul>
93          </li>
94        </ul>
95        -->
96      </div>
97    </div><!-- /.container-fluid -->
98  </nav>
99  <div id="sidebar-collapse" class="col-sm-3 col-lg-2 sidebar">
100    <div class="profile-sidebar">
101      <div class="profile-userpic">
102        <img src="http://placehold.it/50/30a5ff/fff" class="img-
    responsive" alt="">
103      </div>
104      <div class="profile-usertitle">
105        <div class="profile-usertitle-name"> <?php echo $this->
    session->userdata("nama"); ?></div>
106        <div class="profile-usertitle-status"><span class="indicator
    label-success"></span>Online</div>
107      </div>
108      <div class="clear"></div>
109    </div>
110    <div class="divider"></div>
111    <form role="search">
112      <div class="form-group">
113        <input type="text" class="form-control" placeholder="Search">
114      </div>
115    </form>
116    <ul class="nav menu" style="width:100%; margin:auto; border-style
    :none; padding:inherit;">
117      <li class=""><a href="<?php echo site_url(); ?>/dashboard">
    Dashboard</a></li>
118      <li class="parent active"><a data-toggle="collapse" href="#sub-
    item-1">
119        Kelola <span data-toggle="collapse" href="#sub-item-1" class=
    "icon pull-right"></span>
120      </a>
121      <ul class="children collapse" id="sub-item-1">
122        <li><a class="active" href="<?php echo site_url(); ?>/
    c_kelola_user">
```

```
123                User
124            </a></li>
125            <li><a class="" href="#">
126                Track
127            </a></li>
128            <li><a class="" href="#">
129                Dosen
130            </a></li>
131          </ul>
132        </li>
133        <li><a href="<?php echo site_url('c_login/logout'); ?>"> Logout
           </a></li>
134      </ul>
135   </div><!--/.sidebar-->
136
137   <div class="col-sm-9 col-sm-offset-3 col-lg-10 col-lg-offset-2 main
      ">
138      <div class="row">
139        <ol class="breadcrumb">
140          <li><a href="#">
141            <em class="fa fa-home"></em>
142          </a></li>
143          <li class="active">Kelola User</li>
144        </ol>
145      </div><!--/.row-->
146
147      <div class="row">
148        <div class="col-lg-12">
149          <h1 class="page-header">Kelola User </h1>
150        </div>
151      </div><!--/.row-->
152
153      <div class="panel panel-container">
154        <div class="row">
155            <div class="col-sm-12">
156            <div id="container" class="easyui-layout" fit="true" style=
      "height:300px;">
157              <div region="center">
158                <table id="dgCustomers" toolbar="#toolbarCustomer"
      class="easyui-datagrid" fit="true" singleSelect="true" fitColumns
      ="true" rowNumbers="false" pagination="true" url="<?= site_url('
      c_kelola_user/getcustomers') ?>" pageSize="50" pageList="
      [25,50,75,100,125,150,200]" nowrap="false">
159                  <thead>
160                    <tr>
161                      <th field="id_user" width="80">ID User </th>
162                      <th field="username" width="100">Username </th>
163                      <th field="password" width="100">Password </th>
164                      <th field="status" width="100">Status </th>
165                    </tr>
166                  </thead>
167                </table>
168                <div id="toolbarCustomer">
169                  <a href="javascript:void(0)" class="easyui-linkbutton
      " iconCls="icon-add" plain="true" onClick="newCustomer()">New</a>
```

```
170              <a href="javascript:void(0)" class="easyui-linkbutton
        " iconCls="icon-edit" plain="true" onClick="editCustomer()">Edit
        </a>
171              <a href="javascript:void(0)" class="easyui-linkbutton
        " iconCls="icon-remove" plain="true" onClick="destroyCustomer()">
        Destroy</a>
172              <input  id="searchCustomer" class="easyui-searchbox"
        data-options="prompt:'Please Input Value',searcher:
        doSearchCustomer,
173              inputEvents: $.extend({}, $.fn.searchbox.defaults.
        inputEvents, {
174                keyup: function(e){
175                   var t = $(e.data.target);
176                   var opts = t.searchbox('options');
177                   t.searchbox('setValue', $(this).val());
178                   opts.searcher.call(t[0],t.searchbox('getValue'),t
        .searchbox('getName'));
179                }
180              })" style="width:50%;"></input>
181            </div>
182          </div>
183
184          <div id="dlgCustomer" class="easyui-dialog" style="width:
         780px; height: auto; padding: 10px;" modal="true" closed="true"
        buttons="#dlgCustomerBtn">
185            <form id="fmCustomer" method="post">
186              <div class="col-sm-12 justify-content-sm-center">
187
188
189              <div class="row" style="width: 100%">
190                <div class="col-sm-6">
191                  <div class="form-group">
192                    <label for="">ID</label>
193                    <input type="text" name="id_user" class="easyui
        -textbox" style="width: 100%;">
194                  </div>
195                </div>
196                <div class="col-sm-6">
197                  <div class="form-group">
198                    <label for="">Username </label>
199                    <input type="text" name="username" class="
        easyui-textbox" style="width: 100%;">
200                  </div>
201                </div>
202              </div>
203
204              <div class="row" style="width: 100%">
205                <div class="col-sm-6">
206                  <div class="form-group">
207                    <label for="">Password</label>
208                    <input type="text" name="password" class="
        easyui-textbox" style="width: 100%;">
209                  </div>
210                </div>
211                <div class="col-sm-6">
212                  <div class="form-group">
```

```
213                    <label for="">status</label>
214                    <input type="text" name="status" class="easyui−
       textbox" style="width: 100%;">
215                  </div>
216                </div>
217              </div>
218
219              </div>
220            </form>
221          </div>
222          <div id="dlgCustomerBtn">
223            <a href="javascript:void(0)" id="btn_save" class="
       easyui−linkbutton" iconCls="icon−ok−a" onclick="saveCustomer()"
       style="width:90px">Save</a>
224            <a href="javascript:void(0)" class="easyui−linkbutton"
       iconCls="icon−del−a" onclick="javascript:$('#dlgCustomer').dialog
       ('close'); $('#fmEmployee').form(clear)
225              " style="width:90px">Cancel</a>
226          </div>
227        </div>
228
229        </div>
230
231      </div><!−−/.row−−>
232    </div>
233
234
235      <div class="col−sm−12">
236        <p class="back−link">Lumino Theme by <a href="https://www.
       medialoot.com">Medialoot</a></p>
237      </div>
238    </div><!−−/.row−−>
239  </div>  <!−−/.main−−>>
240
241
242
243
244
245 </body>
246
247
248  <script src="<?php echo base_url(); ?>assets/js/bootstrap.min.js"
       ></script>
249  <script src="<?php echo base_url(); ?>assets/js/chart.min.js"></
       script>
250  <script src="<?php echo base_url(); ?>assets/js/chart−data.js"></
       script>
251  <script src="<?php echo base_url(); ?>assets/js/easypiechart.js"></
       script>
252  <script src="<?php echo base_url(); ?>assets/js/easypiechart−data.
       js"></script>
253  <script src="<?php echo base_url(); ?>assets/js/bootstrap−
       datepicker.js"></script>
254  <script src="<?php echo base_url(); ?>assets/js/custom.js"></script
       >
255 </html>
```

```
1  <!doctype html>
2                      <html>
3                        <head>
4                          <meta charset='utf-8'>
5                          <meta name='viewport' content='width=
   device-width, initial-scale=1'>
6                          <title>Snippet - BBBootstrap</title>
7                          <link href='https://maxcdn.
   bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css' rel='
   stylesheet'>
8                          <link href='https://cdnjs.cloudflare.
   com/ajax/libs/font-awesome/4.0.3/css/font-awesome.css' rel='
   stylesheet'>
9                          <style>* {
10   margin: 0;
11   padding: 0
12 }
13
14 html {
15   height: 100%
16 }
17
18 #grad1 {
19   background-color: : #9C27B0;
20   background-image: linear-gradient(120deg, #FF4081, #81D4FA)
21 }
22
23 #msform {
24   text-align: center;
25   position: relative;
26   margin-top: 20px
27 }
28
29 #msform fieldset .form-card {
30   background: white;
31   border: 0 none;
32   border-radius: 0px;
33   box-shadow: 0 2px 2px 2px rgba(0, 0, 0, 0.2);
34   padding: 20px 40px 30px 40px;
35   box-sizing: border-box;
36   width: 94%;
37   margin: 0 3% 20px 3%;
38   position: relative
39 }
40
41 #msform fieldset {
42   background: white;
43   border: 0 none;
44   border-radius: 0.5rem;
45   box-sizing: border-box;
46   width: 100%;
47   margin: 0;
48   padding-bottom: 20px;
49   position: relative
50 }
51
```

```css
52  #msform fieldset:not(:first-of-type) {
53      display: none
54  }
55
56  #msform fieldset .form-card {
57      text-align: left;
58      color: #9E9E9E
59  }
60
61  #msform input,
62  #msform textarea {
63      padding: 0px 8px 4px 8px;
64      border: none;
65      border-bottom: 1px solid #ccc;
66      border-radius: 0px;
67      margin-bottom: 25px;
68      margin-top: 2px;
69      width: 100%;
70      box-sizing: border-box;
71      font-family: montserrat;
72      color: #2C3E50;
73      font-size: 16px;
74      letter-spacing: 1px
75  }
76
77  #msform input:focus,
78  #msform textarea:focus {
79      -moz-box-shadow: none !important;
80      -webkit-box-shadow: none !important;
81      box-shadow: none !important;
82      border: none;
83      font-weight: bold;
84      border-bottom: 2px solid skyblue;
85      outline-width: 0
86  }
87
88  #msform .action-button {
89      width: 100px;
90      background: skyblue;
91      font-weight: bold;
92      color: white;
93      border: 0 none;
94      border-radius: 0px;
95      cursor: pointer;
96      padding: 10px 5px;
97      margin: 10px 5px
98  }
99
100 #msform .action-button:hover,
101 #msform .action-button:focus {
102     box-shadow: 0 0 0 2px white, 0 0 0 3px skyblue
103 }
104
105 #msform .action-button-previous {
106     width: 100px;
107     background: #616161;
```

```
108      font−weight: bold;
109      color: white;
110      border: 0 none;
111      border−radius: 0px;
112      cursor: pointer;
113      padding: 10px 5px;
114      margin: 10px 5px
115 }
116
117 #msform  .action−button−previous:hover,
118 #msform  .action−button−previous:focus {
119      box−shadow: 0 0 0 2px white, 0 0 0 3px #616161
120 }
121
122 select.list−dt {
123      border: none;
124      outline: 0;
125      border−bottom: 1px solid #ccc;
126      padding: 2px 5px 3px 5px;
127      margin: 2px
128 }
129
130 select.list−dt:focus {
131      border−bottom: 2px solid skyblue
132 }
133
134 .card {
135      z−index: 0;
136      border: none;
137      border−radius: 0.5rem;
138      position: relative
139 }
140
141 .fs−title {
142      font−size: 25px;
143      color: #2C3E50;
144      margin−bottom: 10px;
145      font−weight: bold;
146      text−align: left
147 }
148
149 #progressbar {
150      margin−bottom: 30px;
151      overflow: hidden;
152      color: lightgrey
153 }
154
155 #progressbar  .active {
156      color: #000000
157 }
158
159 #progressbar  li {
160      list−style−type: none;
161      font−size: 12px;
162      width: 25%;
163      float: left;
```

```
164        position: relative
165  }
166
167  #progressbar #account:before {
168        font-family: FontAwesome;
169        content: "\f023"
170  }
171
172  #progressbar #personal:before {
173        font-family: FontAwesome;
174        content: "\f007"
175  }
176
177  #progressbar #payment:before {
178        font-family: FontAwesome;
179        content: "\f09d"
180  }
181
182  #progressbar #confirm:before {
183        font-family: FontAwesome;
184        content: "\f00c"
185  }
186
187  #progressbar li:before {
188        width: 50px;
189        height: 50px;
190        line-height: 45px;
191        display: block;
192        font-size: 18px;
193        color: #ffffff;
194        background: lightgray;
195        border-radius: 50%;
196        margin: 0 auto 10px auto;
197        padding: 2px
198  }
199
200  #progressbar li:after {
201        content: '';
202        width: 100%;
203        height: 2px;
204        background: lightgray;
205        position: absolute;
206        left: 0;
207        top: 25px;
208        z-index: -1
209  }
210
211  #progressbar li.active:before,
212  #progressbar li.active:after {
213        background: skyblue
214  }
215
216  .radio-group {
217        position: relative;
218        margin-bottom: 25px
219  }
```

```
220
221 . radio {
222     display: inline-block;
223     width: 204;
224     height: 104;
225     border-radius: 0;
226     background: lightblue;
227     box-shadow: 0 2px 2px 2px rgba(0, 0, 0, 0.2);
228     box-sizing: border-box;
229     cursor: pointer;
230     margin: 8px 2px
231 }
232
233 . radio:hover {
234     box-shadow: 2px 2px 2px 2px rgba(0, 0, 0, 0.3)
235 }
236
237 . radio.selected {
238     box-shadow: 1px 1px 2px 2px rgba(0, 0, 0, 0.1)
239 }
240
241 . fit-image {
242     width: 100%;
243     object-fit: cover
244 }</style>
245                                 <script type='text/javascript' src='
        https://cdnjs.cloudflare.com/ajax/libs/jquery/3.2.1/jquery.min.js
        '></script>
246                                 <script type='text/javascript' src='
        https://maxcdn.bootstrapcdn.com/bootstrap/4.3.1/js/bootstrap.min.
        js'></script>
247                                 <script type='text/javascript'>$(
        document).ready(function(){
248
249 var current_fs, next_fs, previous_fs; // fieldsets
250 var opacity;
251
252 $(".next").click(function(){
253
254 current_fs = $(this).parent();
255 next_fs = $(this).parent().next();
256
257 //Add Class Active
258 $("#progressbar li").eq($("fieldset").index(next_fs)).addClass("
        active");
259
260 //show the next fieldset
261 next_fs.show();
262 //hide the current fieldset with style
263 current_fs.animate({opacity: 0}, {
264 step: function(now) {
265 // for making fielset appear animation
266 opacity = 1 - now;
267
268 current_fs.css({
269 'display': 'none',
```

```
270  'position': 'relative'
271  });
272  next_fs.css({'opacity': opacity});
273  },
274  duration: 600
275  });
276  });
277
278  $(".previous").click(function(){
279
280  current_fs = $(this).parent();
281  previous_fs = $(this).parent().prev();
282
283  //Remove class active
284  $("#progressbar li").eq($("fieldset").index(current_fs)).removeClass(
       "active");
285
286  //show the previous fieldset
287  previous_fs.show();
288
289  //hide the current fieldset with style
290  current_fs.animate({opacity: 0}, {
291  step: function(now) {
292  // for making fielset appear animation
293  opacity = 1 - now;
294
295  current_fs.css({
296  'display': 'none',
297  'position': 'relative'
298  });
299  previous_fs.css({'opacity': opacity});
300  },
301  duration: 600
302  });
303  });
304
305  $('.radio-group .radio').click(function(){
306  $(this).parent().find('.radio').removeClass('selected');
307  $(this).addClass('selected');
308  });
309
310  $(".submit").click(function(){
311  return false;
312  })
313
314  });</script>
315                              </head>
316                              <body>
317                              <!-- MultiStep Form -->
318  <div class="container-fluid" id="grad1">
319      <div class="row justify-content-center mt-0">
320          <div class="col-11 col-sm-9 col-md-7 col-lg-6 text-center p-0
        mt-3 mb-2">
321              <div class="card px-0 pt-4 pb-0 mt-3 mb-3">
322                  <h2><strong>Sign Up Your User Account</strong></h2>
323                  <p>Fill all form field to go to next step</p>
```

```
324                      <div class="row">
325                          <div class="col-md-12 mx-0">
326                              <form id="msform" method="POST" action="<?php
      echo site_url('c_register/register'); ?>">
327                                  <!-- progressbar -->
328                                  <ul id="progressbar">
329                                      <li class="active" id="account"><
      strong>Account</strong></li>
330                                      <li id="personal"><strong>Personal</
      strong></li>
331                                      <li id="payment"><strong>Payment</
      strong></li>
332                                      <li id="confirm"><strong>Finish</
      strong></li>
333                                  </ul> <!-- fieldsets -->
334                                  <fieldset>
335                                      <div class="form-card">
336                                      <?php
337                                          if(validation_errors()){
338                                              ?>
339                                              <div class="alert alert-info
      text-center">
340                                                  <?php echo
      validation_errors(); ?>
341                                              </div>
342                                              <?php
343                                          }
344
345                                          if($this->session->flashdata('
      message')){
346                                              ?>
347                                              <div class="alert alert-info
      text-center">
348                                                  <?php echo $this->session
      ->flashdata('message'); ?>
349                                              </div>
350                                              <?php
351                                          }
352                                      ?>
353                                      <h2 class="fs-title">Informasi
      Akun</h2>
354                                      <input type="number" name="npm"
      placeholder="NPM anda" />
355                                      <input type="text" name="nama"
      placeholder="nama" />
356                                      <input type="text" name="kelas"
      placeholder="Kelas" />
357
358                                      </div> <input type="button" name="
      next" class="next action-button" value="Next Step" />
359                                  </fieldset>
360                                  <fieldset>
361                                      <div class="form-card">
362                                      <h2 class="fs-title">Registrasi</
      h2>
363
```

```
364                                              <input type="text" name="prodi"
        placeholder="Prodi" />
365                                              <input type="text" name="angkatan
        " placeholder="Angkatan" />
366                                              <input type="text" name="foto"
        placeholder="Foto" />
367
368                                      </div> <input type="button" name="
        previous" class="previous action-button-previous" value="Previous
        " /> <input type="button" name="next" class="next action-button"
        value="Next Step" />
369                                  </fieldset>
370                                  <fieldset>
371                                      <div class="form-card">
372                                          <h2 class="fs-title">Registrasi </
        h2>
373                                          <div class="row">
374
375                                              <input type="text" name="username
        " placeholder="Username" />
376                                              <input type="text" name="password
        " placeholder="password" />
377                                              <input type="email" name="email"
        placeholder="email" />
378
379                                          </div>
380
381                                      </div> <input type="button" name="
        previous" class="previous action-button-previous" value="Previous
        " /> <input type="button" name="make_payment" class="next action-
        button" value="Confirm" />
382                                  </fieldset>
383                                  <fieldset>
384                                      <div class="form-card">
385                                          <h2 class="fs-title text-center">
        Success !</h2> <br><br>
386                                          <div class="row justify-content-
        center">
387                                              <div class="col-3"> <img src=
        "https://img.icons8.com/color/96/000000/ok--v2.png" class="fit-
        image"> </div>
388                                          </div> <br><br>
389                                          <div class="row justify-content-
        center">
390                                              <div class="col-7 text-center
        ">
391                                                  <h5>Sudah Yakin? Submit
        formnya</h5>
392                                                  <input type="submit"
        class="btn btn-primary">
393                                              </div>
394                                          </div>
395                                      </div>
396                                  </fieldset>
397                              </form>
398                          </div>
```

```
399                    </div>
400                  </div>
401              </div>
402          </div>
403  </div>
404                                      </body>
405                                  </html>
```

DAFTAR PUSTAKA

1. R. Awangga, "Sampeu: Servicing web map tile service over web map service to increase computation performance," in *IOP Conference Series: Earth and Environmental Science*, vol. 145, no. 1. IOP Publishing, 2018, p. 012057.

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427