Buat project Ionic baru

Generate component location-picker

D:\belajar-ionic\ionicMaps2> ionic generate component shared/pickers/location-picker

Tambahkan kode berikut

```
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                                                                                                          Ð
                                                                                                                                 location-picker.component.ts ×
                                                                                                                                   belajar-ionic > ionicMaps2 > src > app > shared > pickers > location-picker
           ш арр
                                                                                                                                                         import { Component, OnInit } from '@angular/core';
import { ModalController } from '@ionic/angular';
           home
           shared
            i 🚞 pickers
                                                                                                                                                        @Component({
                                                                                                                                                              selector: 'app-location-picker',

✓ Iocation-picker

                                                                                                                                                              templateUrl: './location-picker.component.html',
                      5 location-picker.component... U
                                                                                                                                                              styleUrls: ['./location-picker.component.scss'],
                      Control of the second of the s
                      Iocation-picker.component... U
                                                                                                                                                            export class LocationPickerComponent implements OnInit
                                                                                                                                                               constructor(private modalCtrl: ModalController) { }
           app-routing.module.ts
           app.component.html
                                                                                                                                                              ngOnInit() {}
           g app.component.scss
           app.component.spec.ts
                                                                                                                                                              async onPickLocation() {
           app.component.ts
                                                                                                                                                                     const modal = await this.modalCtrl.create({
                                                                                                                                                                          component: MapModalComponent
           app.module.ts
                                                                                                                                                                     });
                                                                                                                                                                        return await modal.present();
       environments
      theme
         global.scss
```

Buat component map-modal

D:\belajar-ionic\ionicMaps2> ionic generate component shared/map-modal

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                                   ■ map-modal.component.html ×
                                    🌘 belajar-ionic > ionicMaps2 > src > app > shared > map-modal > 🥫 map-moda
app app
                                         > 🖿 home
 shared
map-modal
                                             <ion-buttons slot="primary">
  <ion-button (click)="onCancel()">Cancel</ion-button>
    map-modal.component.html U
    map-modal.component.scss U
                                           </ion-toolbar>
    🛕 map-modal.component.spec... U
                                          </ion-header>
    Map-modal.component.ts
 > pickers
                                          <div class="map" #map></div>
  app-routing.module.ts
    app.component.html
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                                    map-modal.component.ts ×
                                     belajar-ionic > ionicMaps2 > src > app > shared > map-modal > 0 map
Сарр
                                            import { Component, OnInit } from '@angular/core';
 home
                                            import { ModalController } from '@ionic/angular';
 shared
🗸 🗁 map-modal
                                           @Component({
    map-modal.component.html
                                             selector: 'app-map-modal',
                                             templateUrl: './map-modal.component.html',
    map-modal.component.scss
                                             styleUrls: ['./map-modal.component.scss'],
   A map-modal.component.spec. U
                                           })
                                            export class MapModalComponent implements OnInit {
> pickers
                                              constructor(private modalCtrl: ModalController) { }
 app-routing.module.ts
 app.component.html
                                             ngOnInit() {}
 app.component.scss
 app.component.spec.ts
                                              onCancel() {
                                               this.modalCtrl.dismiss();
 app.component.ts
 app.module.ts
 assets
environments
```

Buat modul shared

D:\belajar-ionic\ionicMaps2> ionic generate module shared

```
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                                                                                                                                                                                        shared.module.ts ×
      ■ e∠e
                                                                                                                                                                                 ⑤ belajar-ionic > ionicMaps2 > src > app > shared > Ø shared.module.ts > ...
     node_modules
                                                                                                                                                                                                                                            { NgModule } from '@angular/core';
{ CommonModule } from '@angular/common';
    ∕ kas src
    🗸 ጩ арр
                                                                                                                                                                                                                                             { LocationPickerComponent } from './pickers/location-picker/location-picker.component'; { MapModalComponent } from './map-modal/map-modal.component';
                                                                                                                                                                                                                                            { MapModalComponent } from './map-modal { IonicModule } from '@ionic/angular';
        > home

✓ Image: Shared sh
            > map-modal
                                                                                                                                                                                                             @NgModule({
    declarations: [LocationPickerComponent, MapModalComponent],
             > i pickers
                                                                                                                                                                                                                     imports: [CommonModule, IonicModule],
                                                                                                                                                                                                                       exports: [LocationPickerComponent, MapModalComponent],
                               app-routing.module.ts
                                                                                                                                                                                                                      entryComponents: [MapModalComponent]
                    g app.component.html
                               app.component.scss
                                                                                                                                                                                                                                ort class SharedModule { }
```

Tambahkan kode berikut

```
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                              \circ
                                           home.module.ts ×
eze
                                           belajar-ionic > ionicMaps2 > src > app > home > home > 
node_modules
                                                   import { NgModule } from '@angular/core';
import { CommonModule } from '@angular/co
import { IonicModule } from '@ionic/angul
src src
  ጩ app
                                                   import { FormsModule } from '@angular/for
  home
                                                   import { RouterModule } from '@angular/ro
     home.page.html
                                                   import { HomePage } from './home.page';
    home.page.scss
                                              8
                                                   import { SharedModule } from '../shared/s
    home.page.spec.ts
                                                   @NgModule({
    nome.page.ts
                                                     imports: [
  shared
                                                      CommonModule,
  > map-modal
                                                       SharedModule
                                             13
  > iii pickers
                                                       FormsModule,
                                                       IonicModule,
    shared.module.ts
                                                       RouterModule.forChild([
   app-routing.module.ts
   app.component.html
                                                            path: '',
   g app.component.scss
                                                            component: HomePage
   app.component.spec.ts
```

Tambahkan kode berikut

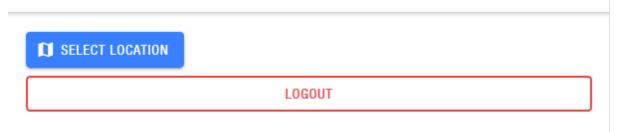
```
LORER: UNTITLED (WOR...
eze
                        ✓ 🖝 src

✓ Image app

                               Ionic Blank
                            </ion-title>
</ion-toolbar>
</ion-header>
 home.module.ts
    home.page.scss
   home.page.spec.ts
                             <div class="ion-padding">
  home.page.ts
                             > map-modal
                               Logout
   shared.module.ts
   app-routing.module.ts
```

Coba jalankan di browser, akan muncul seperti berikut

Ionic Blank



Maps Method 1

Jalankan command berikut

```
D:\belajar-ionic\ionicMaps2> npm install @agm/core
```

mapsAPIKey: AlzaSyCcX5UrXGP_qbsVLsdpUy3hdnyNRq1nmyU

Tambahkan maps Apikey ke environment

```
## environment | Production: false, mapsAPIKey: 'AIzaSyCcX5UrXGP_qbsVLsdpUy3hdnyNRq1nmyU' | Pro
```

Tambahkan kode berikut pada shared module

```
(Plorer: Untitled (Wor... 🎳 🗂 ひ 🗿
                       nome.page.ts
                                                                                                                                                           🂿 belajar-ionic > ionicMaps2 > src > app > shared > 🥦 shared.module.ts > ધ SharedI

✓ Image: Shared Image: Sh
                                                                                                                                                                                                             { AgmCoreModule } from '@agm/core';
              > map-modal
                                                                                                                                                                                                                                                                                       m 'src/environments/environment';
                                                                                                                                                                                                              { environment } from

✓ Iocation-picker

                                                                                                                                                                                    @NgModule({
                                                                                                                                                                                          declarations: [LocationPickerComponent, MapModalComponent],
                               ■ location-picker.component... U
                                                                                                                                                                                           imports: [
                                CommonModule,
                                🚨 location-picker.component.../ U
                                                                                                                                                                                              IonicModule,
                                🔞 location-picker.component. . U
                                                                                                                                                                                              AgmCoreModule.forRoot({
                                                                                                                                                                                                   apiKey: `${environment.mapsAPIKey}`
                                                                                                                                                                                            })
                   app-routing.module.ts
                                                                                                                                                                                            ],
                             app.component.html
                                                                                                                                                                                            exports: [LocationPickerComponent, MapModalComponent],
                             app.component.scss
                                                                                                                                                                                            entryComponents: [MapModalComponent]
```

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                                                                                                            ■ map-modal.component.html ×
              nome.page.ts
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✓ Image: Shared sh

✓ Imap-modal

                    A map-modal.component.spec... U
                    Map-modal.component.ts
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                                                                                                                                                                                    map-modal.component.scss ×
                      nome.page.ts
                                                                                                                                                                            belajar-ionic > ionicMaps2 > src > a
        shared
                                                                                                                                                                                                         agm-map {
                      map-modal
                                                                                                                                                                                                                          height: 300px;
                             map-modal.component.ht... 5, 1
                            map-modal.component.scss
PLORER: UNTITLED (WOR... 뉩 🗖 ひ 🗿
                                                                                                                                                 map-modal.component.ts ×
                      nome.page.ts

✓ Image: Shared and Shared area.

                                                                                                                                                                           import { Component, OnInit } from '@angular/core';

✓ Imap-modal

                                                                                                                                                                            import { ModalController } from '@ionic/angular';
                         map-modal.component.ht... 5, U
                                                                                                                                                                           @Component({
                           map-modal.component.scss
                                                                                                                                                                                  selector: 'app-map-modal',
                         A map-modal.component.spec... U
                                                                                                                                                                                  templateUrl: './map-modal.component.html',
                                                                                                                                                                                  styleUrls: ['./map-modal.component.scss'],

✓ Image: Value of the pickers

| Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value of the pickers | Value o
                                                                                                                                                                                        ort class ManModalComponent implements OnInit {

✓ Iocation-picker

                                                                                                                                                                                 lat = 51.678418;
                             ■ location-picker.component... U
                                                                                                                                                                                 lng = 7.809007;
                              △ location-picker.component... U
                                                                                                                                                                                  constructor(private modalCtrl: ModalController) {
                              Iocation-picker.component... U
                                                                                                                                                                                  ngOnInit() {}
                     shared.module.ts
                   app-routing.module.ts
                                                                                                                                                                                  onChooseLocation(event: any){
                  app.component.html
                                                                                                                                                                                         this.lat = event.coords.lat;
                                                                                                                                                                                         this.lng = event.coords.lng;
                   app.component.scss
                  app.component.spec.ts
                  app.component.ts
                                                                                                                                                                                   onCancel() {
                  app.module.ts
                                                                                                                                                                                         this.modalCtrl.dismiss();
             assets
```

Coba di browser

Pick Location CANCEL



Metode 2

```
ORER: UNTITLED (WOR... 🖰 🖆 ひ 🗿
                                                                                                                    map-modal.component.ts ×
                                                                                                                         🥠 belajar-ionic > ionicMaps2 > src > app > shared > map-modal > 🗯 map-modal.component.ts > ધ MapMi

⟨...⟩ tsconfig.json

  {→} tsconfig.spec.json
                                                                                                                                                            rt class MapModalComponent implements OnInit, AfterViewInit {
 lat = 51.678418;
lng = 7.809007:
 ionicMaps2
  e2e
                                                                                                                                                 @ViewChild('map', { static: false }) mapElementRef: ElementRef;
  node_modules
                                                                                                                                                   constructor(private modalCtrl: ModalController, private renderer: Renderer2) { }
  src src
  🗸 ጩ арр
                                                                                                                                                  ngOnInit() {}
  > land home

✓ Image: Shared Sh
                                                                                                                                                 ngAfterViewInit() {

✓ Imap-modal

                                                                                                                                                          this.getGoogleMaps().then((goo
                                                                                                                                                               const mapElement = this.mapElementRef.nativeElement;
               ■ map-modal.component.html U
                                                                                                                                                                 const map = new googleMaps.Map(mapElement, {
  center: { lat: this.lat, lng: this.lng },
                                                                                                                                                               const map = 1
               g map-modal.component.scss U
              🚨 map-modal.component.spec... U
                                                                                                                                                                   zoom: 16,
                                                                                                                                                             googleMaps.event.addListenerOnce(map, 'idle', () => {
   this.renderer.addClass(mapElement, 'visible');
      pickers

✓ Iocation-picker

                    location-picker.component... U
                                                                                                                                                          }).catch(err => {
                            location-picker.component... U
                                                                                                                                                              console.log(err);
                     Iocation-picker.component... U
                                                                                                                                                         });
                     🙉 location-picker.component... U
```

Modifikasi menjadi seperti berikut

```
| map-modal.component.html | map-modal.component
```

Tambahkan style

```
ョ
                                           map-modal.component.scss ×
    t⊶r tsiinujson
                                         Ø belajar-ionic > ionicMaps2 > src > app > shared > map-r
 ionicMaps2
                                                   n-map {
  > 📦 e2e
                                                    height: 300px;
                                                }
  > node_modules

✓ Important
                                                .map {

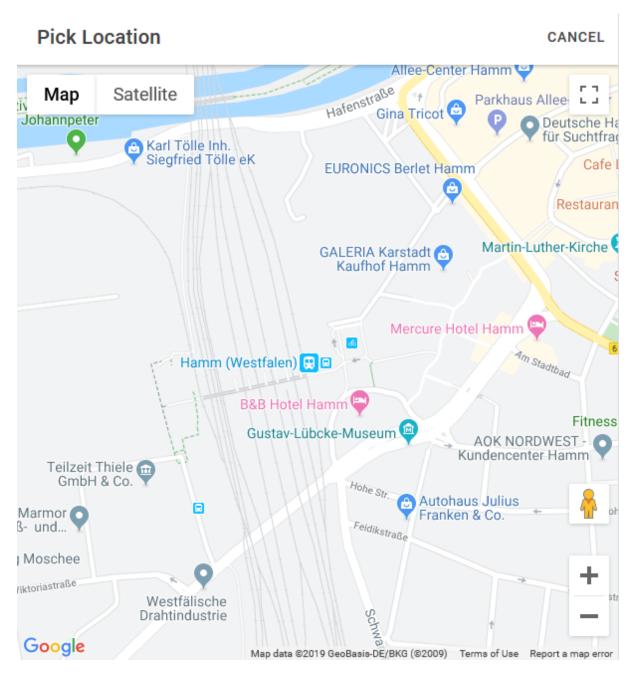
✓ Image app

                                                    position: absolute;
    > home
                                                    height: 100%;

✓ Image: Shared and Shared area.
                                                    width: 100%;
                                                    background-color: transparent;

✓ Imap-modal

                                                    opacity: 0;
        map-modal.component.html
                                                    transition: opacity 150ms ease-in;
         map-modal.component.scss
                                                }
        map-modal.component.spec... U
        Map-modal.component.ts
                                                .map.visible {
                                                    opacity: 1;
     location-picker
```



Tambahkan marker

```
explorer: untitled (wor... 📋 🖆 🖒 🗗 🖔 map-modal.component.ts 🗵
                                                                                                                                                                  🌀 belajar-ionic > ionicMaps2 > src > app > shared > map-modal > 🐧 map-modal.component.ts > ધ MapModalComponent >
            {..} tsconfig.json
            ngOnInit() {}
           ⟨...⟩ tslint.json
                                                                                                                                                                                               ngAfterViewInit() {
                                                                                                                                                                                                            const mapElement = this.mapElementRef.nativeElement;
const map = new googleMaps.Map(mapElement, {
   center: { lat: this.lat, lng: this.lng },
   const if.
  > 🐚 e2e
   > 📭 node_modules

✓ Image app

           > home
                                                                                                                                                                                                                    googleMaps.event.addListenerOnce(map, 'idle', () => {
   this.renderer.addClass(mapElement, 'visible');

✓ Image: Shared sh
                          map-modal
map-modal.component.html
map-modal.component.scss

✓ 

    map-modal

                                                                                                                                                                                                                                                                                            w googleMaps.Marker({ position: { lat: this.lat, lng: this.lng }, map });
                                                                                                                                                                                                        const marker = new goo
console.log(marker);
                                                                                                                                                                                                                     map.addListener('click', event => {
                                                                                                                                                                                                                      const selectedCoords = {
  lat: event.latLng.lat(),
  lng: event.latLng.lng(),
                 };
this.modalCtrl.dismiss(selectedCoords);

✓ Iocation-picker

                                  ፱ location-picker.component... U
                                                                                                                                                                                                           });

}).catch(err => {
  console.log(err);
```

Lihat hasilnya di browser

Allee-Center Hamm Hafenstraße Satellite Map Parkhaus Allee-Gina Tricot @ Johannpeter Deutsche Ha für Suchtfrag Karl Tölle Inh. Siegfried Tölle eK Cafe I **EURONICS Berlet Hamm** Restauran Martin-Luther-Kirche GALERIA Karstadt (2) Kaufhof Hamm Mercure Hotel Hamm Am Stadtbad Hamm (Westfalen)

B&B Hotel Hamm

Gustav-Lübcke-Museum

Hohe Str.

Feidikstraße

CANCEL

Fitness

AOK NORDWEST -Kundencenter Hamm

Autohaus Julius

Franken & Co.

Map data @2019 GeoBasis-DE/BKG (@2009) Terms of Use Report a map error

Tambahkan kode berikut

Teilzeit Thiele GmbH & Co.

Marmor C

Moschee

liktoriastraße

Google

3- und...

Westfälische Drahtindustrie

Pick Location

```
XPLORER: UNTITLED (WOR.... 뉩 🖆 ひ 🗿
                                          location-picker.component.ts ×
        map-modal.component.scss U
                                           belajar-ionic > ionicMaps2 > src > app > shared > pickers > location-r
        Map-modal.component.spec... U
        Map-modal.component.ts
                                                     async onPickLocation() {
                                                      const modal = await this.modalCtrl.create({

✓ Image: pickers

                                                        component: MapModalComponent

✓ Iocation-picker

         5 location-picker.component... U
                                                      modal.onDidDismiss().then((modalData) => {
         S location-picker.component...
                                                        console.log(modalData.data);
         🚨 location-picker.component... 🔱
                                                      return await modal.present();
       shared.module.ts
      app-routing.module.ts
     app.component.html
```

Coba di browser

```
▶ Object { lat: 51.68014766342161, lng: 7.806035112411564 }
```

+++++++++++

TAMBAHAN

Menampilkan alamat

Buat place service

```
D:\belajar-ionic\ionicMaps2> ionic generate service home/place
```

```
XPLORER: UNTITLED (WOR... 🖰 🖆 ひ
                                              Ø place.service.ts X
  ionicGeo
                                               🌖 belajar-ionic > ionicMaps2 > src > app > home > 🔥 place.service.ts >
                                                       import { Injectable } from '@angular/core';
import { BehaviorSubject } from 'rxjs';
import { ADDRGETNETWORKPARAMS } from 'dns';
  ionicMaps
 / 🗁 ionicMaps2
 > 🐚 e2e
 > node_modules
                                                       @Injectable({
 ∨ 🖙 src
                                                         providedIn: 'root'
  🗸 脯 арр
                                                           ort class PlaceService {
    ∨ 🗁 home
                                                         currAddress = new BehaviorSubject<string>('');
        home.module.ts
                                                         constructor() { }
       home.page.html
       home.page.scss
                                                         getAddress() {
        home.page.spec.ts
                                                           return this.currAddress.asObservable();
       nome.page.ts
       place.service.spec.ts
                                                         setAddress(address: string) {
       A place.service.ts
                                                           this.currAddress.next(address);
    > 📴 shared
      app-routing.module.ts
       app.component.html
```

```
古 古 ひ 百

■ home.page.html ×

    belajar-ionic > ionicMaps2 > src > app > home > 
    belajar-ionic > ion-content > 
    div.ion-padding
> ionicMaps

✓ Image: Value of the property of the pro
     > 📭 e2e
                                                                                                                                                                                                                                                  Ionic Blank
     > node_modules
      ∨ 📾 src
          V 💷 app
                                                                                                                                                                                                                       home.module.ts
                                                                                                                                                                                                                                       <app-location-picker></app-location-picker>
<ion-button expand="block" color="danger" fill="outline" (click)="onlogout()">
                                 nome.page.scss
                                  ▲ home.page.spec.ts
                                                                                                                                                                                                                                                  Logout
                                                                                                                                                                                                                                 </ion-button>
<ion-label *ngIf="address">Address: {{ address }}</ion-label>
                                 home.page.ts
                                  place.service.spec.ts
                                 A place.service.ts
                 > 🛅 shared
```

```
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                                                                                                                                    home.page.ts X
       ionicGeo
                                                                                                                                         🌘 belajar-ionic > ionicMaps2 > src > app > home > 📊 home.page.ts > 钍
       ionicMaps
                                                                                                                                               1  v import { Component, OnInit } from '@angular/core';
2  import { PlaceService } from './place.service';

✓ Image: Value of the property of the pro
     > 📦 e2e
                                                                                                                                               4 ∨ @Component({
     > node modules
                                                                                                                                                                      selector: 'app-home',
    ∨ 🖙 src
                                                                                                                                                                       templateUrl: 'home.page.html',

✓ Image: app

                                                                                                                                                                       styleUrls: ['home.page.scss'],

✓ Image: Nome

                                                                                                                                                             })
                                                                                                                                              9 v ex
                                                                                                                                                                             ort class HomePage implements OnInit {
                          home.module.ts
                                                                                                                М
                                                                                                                                           10
                                                                                                                                                                     address = '';
                          home.page.scss
                                                                                                                                                                       constructor(private placeSvc: PlaceService) {}
                         home.page.spec.ts
                                                                                                                                                                       ngOnInit() {
                         home.page.ts
                                                                                                                                                                             this.placeSvc.getAddress().subscribe(
                         A place.service.spec.ts
                                                                                                                                                                                    currAddress => {
                         A place.service.ts
                                                                                                                                                                                      this.address = currAddress;
             > 📴 shared
                                                                                                                                                                               );
                      app-routing.module.ts
                                                                                                                                           20
                     app.component.html
                      app.component.scss
```

```
Ocation-picker.component.ts ×
      LORER: UNTITLE.... 🗂 🗂 🖰
                                                                                                       M 🎯 belajar-ionic > ionicMaps2 > src > app > shared > pickers > location-picker > 🖏 location-picker.component.ts > 😘 LocationPickerComponer
                                                                                                                                                           @Component({
    selector: 'app-location-picker',
    incomposition of the composition of the compositi
                       home.page.scss
                       ▲ home.page.spec.ts
                                                                                                                                                             templateUrl: './location-picker.component.html', styleUrls: ['./location-picker.component.scss'],
                      home.page.ts

✓ Image: Shared sh
                                                                                                                                                                 constructor(private modalCtrl: ModalController, private http: HttpClient, private placeSvc: PlaceService) { }
            location-picker
location-picker.comp... U
                                                                                                                                                                   ngOnInit() {}
                                                                                                                                                                  modal.onDidDismiss().then((modalData) => {
    console.log(modalData.data);
                       shared.module.ts
                                                                                                                                                                          console.log(modalData.data);
this.getAddress(modalData.data.lat, modalData.data.lng).subscribe(
  (address) => {
    this.placeSvc.setAddress(address);
    console.log(address);
  }
};
                   app-routing.module.ts
                     app.component.html
                    g app.component.scss
                  ∆ app.component.sec.ts
app.component.ts
app.module.ts
M
                                                                                                                                                                       });
return await modal.present();
      > 🌔 assets
ORER: UNTITLE.... 쒑 🖆 ひ 🗗 🐧 location-picker.component.ts 🗴
               home.page.scss
                                                                                                                               🙍 belajar-ionic > ionicMaps2 > src > app > shared > pickers > location-picker > 🔯 location-picker.component.ts > ધ LocationPickerCompone
                                                                                                                               return await modal.present();

35 }
               home.page.spec.ts
                                                                                                                           private getAddress(lat: number, lng: number) {
return this.http.get<any>(`https://maps.googleapis.com/maps/api/geocode/json?latlng=${lat},${lng}&key=$
{environment.mapsAPIKey}`)
.pipe(
             home.page.ts
            A place.service.ts
                                                                                                                                                                     .pipe(
map(geoData => {
    if (!geoData
   🗸 🛅 shared
    > map-modal
     if (!geoData || !geoData.results || !geoData.results.length) {
                                                                                                                                                                                                                  n geoData.results[0].formatted_address;
                                                                                                                                                                     );
                shared.module.ts
         app-routing.module.ts
```