## Sistem Informasi Geografis

Persiapan:

- API Key Google Console
- Fitur Maps SDK Android dari Google Console

### Langkah-langkahnya:

- 1. Buatlah project di https://console.developers.google.com/
- 2. Buat API Key di menu Credential



Create credentials to ac	API key Identifies your project using a simple API key to check quota and access	
🛕 Remember t	OAuth client ID Requests user consent so your app can access the user's data	
API Keys	Service account Enables server-to-server, app-level authentication using robot accounts	
Name	Help me choose	
No API keys to displa	Asks a few questions to help you decide which type of credential to use	

Setelah selesai akan muncul seperti ini

# API key created

Use this key in your application by passing it with the key=API\_KEY parameter.

Your API key		
AI:	-xA	Б

A Restrict your key to prevent unauthorized use in production.

CLOSE	DECTRICT	VEV
GLUSE	neornici	VE I

Dianjurkan untuk Restrict Key.

## 3. Cari Maps SDK for Android

Q	maps X 🔻
API	Maps Embed API
API	Maps JavaScript API
API	Maps SDK for Android
API	Maps SDK for iOS
API	Maps Static API
API	Maps Elevation API
<u>`</u> ∲	Census Bureau US Boundaries United States Census Bureau
API	Directions API
API	Distance Matrix API
API	Geocoding API



# 6. Tambahkan Google Maps Flutter di pubspec.yaml



Berikut contoh program dengan menggunakan Maps SDK for Android

Code:

1. Main



#### 2. Homescreen





#### 3. Container Info

lib > (	lib > 🥎 container_info.dart >		
<pre>1 import 'package:flutter/material.dart';</pre>			
2			
3	<pre>class ContainerInfo extends StatelessWidget {</pre>		
4	@override		
5	Widget build(BuildContext context) {		
6	return Container(		
7	width: 200.0,		
8	decoration: BoxDecoration(	20	padding: const EdgeInsets all(8.0)
9	boxShadow:	20	child: Align(
10		22	child: Row(
11	color: Colors.Dlack.withupacity(.3),	22	<pre>mainAvisAlignment: MainAvisAlignment.center.</pre>
12	blupPadiuce 5.0	24	children: (Widget)[
14	) // BoxShadow	25	CincleAvatar(
15		26	radius: 30.0.
16	borderRadius: BorderRadius circular(15.0)	27	). // CircleAvatar
17	color: Colors.white.	28	SizedBox(width: 12.0).
18	). // BoxDecoration	29	Column(
19	child: Padding(	30	crossAxisAlignment: CrossAxisAlignment.start.
20	padding: const EdgeInsets.all(8.0),	31	mainAxisAlignment: MainAxisAlignment.center.
21	child: Align(	32	children: <widget>[</widget>
22	child: Row(	33	Text(
23	<pre>mainAxisAlignment: MainAxisAlignment.center,</pre>	34	"Place's Name",
24	children: <widget>[</widget>	35	style: TextStyle(
25	CircleAvatar(	36	fontWeight: FontWeight.w600,
26	radius: 30.0,	37	fontSize: 16.0,
27	), // CircleAvatar	38	), // TextStyle
28	SizedBox(width: 12.0),	39	), // Text
29	Column(	40	Text("Place's Rate")
30	crossAxisAlignment: CrossAxisAlignment.start,	41	], // <widget>[]</widget>
31	mainAxisAlignment: MainAxisAlignment.center,	42	) // Column
32	children: <widget>[</widget>	43	], // <widget>[]</widget>
33	Text(	44	), // Row
34	"Place's Name",	45	), // Align
35	style: lextStyle(	46	), // Padding
36	FontWeight: FontWeight.w600,	47	); // Container
27	fontSize: 16.0,	48	}
20	), // TextStyle	49	}
19			