

Silabus Flutter Development

Section 1 (Introduction)

- Apa itu flutter ?
 - Install flutter
 - Install windows
 - Install macOS
 - Install tools
 - Visual Studio Code
 - Android Studio
 - Xcode (macOS)
 - Create & run flutter project
 - Plugin VS Code
-

Section 2 (Dart Fundamental)

- Pengenalan bahasa dart
 - Karakteristik bahasa dart
- Tipe data
 - String
 - Bool
 - Num
 - Double
 - Int
 - List
 - Map
 - Dynamic
- Final vs const
- Comments
- Function
- Async
- Exception
 - Try
 - On
 - Catch
- Loop
 - For
 - Foreach
 - Do while
- Conditional Expression
 - If else
 - Switch

- Collections
 - Map
 - Set
 - List
 - Spread Collections
 - Null Safety
 - Penggunaan (!)
 - Penggunaan (?)
 - Penggunaan (Late)
 - Penggunaan (??)
 - Introduction Object Oriented Programming
 - Class
 - Attribute
 - Method
 - Constructor
 - Position argument
 - Named argument
 - Getter
 - Setter
 - Inheritance Class
 - Abstract Class
 - Mixin
 - Enum
-

Section 3 (Flutter Basic)

- Hello World
- Widget Dasar
 - MaterialApp
 - Scaffold
 - AppBar
 - Container
 - Text
 - FlutterLogo
 - ElevatedButton
 - Icon
 - Image
- Visible vs Invisible Widget
 - Visible Widget
 - Invisible Widget (Layouting Widget)
 - Center
 - Column

- Row
 - Stack
 - SingleChildScrollView
 - ListView
 - GridView
- Extract Widget
- Mapping Collection
- Widget Builder
 - ListView.builder()
 - GridView.builder()
- Latihan Flutter Basic

Section 4 (Stateless and Stateful)

- Stateless vs Stateful
 - Counter Apps
- Dialog
- SnackBar
- TextField
- TabBar
- DropDown
- BottomNavigationBar
- BottomSheet
- Drawer
- Navigation
- Latihan Instagram UI

Section 5 (HTTP Request)

- HTTP Request Concept
- Future Builder
- Model
- GET
- POST
- PUT / PATCH
- DELETE
- Latihan HTTP Request
 - Covid-19 Apps : <https://covid19.mathdro.id/api>

Section 6 (Package Flutter)

- Faker
 - Intl
 - BottomNavigationBar
 - Avatar Glow
 - Introduction Screen
 - DropDownSearch
 - Basic Dropdown
 - Wilayah Indonesia API : <http://www.emsifa.com/api-wilayah-indonesia/>
 - Flutter Launcher Icon
-

Section 7 (State Management GetX)

- Stateless vs Stateful vs State Management
- SnackBar
- Dialog
- BottomSheet
- State Management
 - Simple
 - Reactive
- Workers
 - Ever
 - Once
 - Debounce
 - Interval
- Dependency Management
 - Get.put()
 - Get.find()
 - Get.lazyPut()
- Route Management
 - Get.back()
 - Get.to()
 - Get.toNamed()
 - Get.off()
 - Get.offNamed()
 - Get.offAll()
 - Get.offAllNamed()
- Bindings
 - BindingsBuilder
 - Class Bindings
- Get Storage
- Get CLI

- Create Project
 - Init Project for Existing Project
 - Create Page
 - Routing to Other Page
 - Create view
 - Install Packages via Get CLI
 - Create Controller
 - Generate Model
 - Provider (Get Connect)
 - Latihan HTTP Request
-

Section 8 (Study Case : Ongkos Kirim)

Section 9 (Tips & Trick)

- Penggunaan
- Cara meningkatkan skill flutter