

Pemograman Perangkat Bergerak 2023/2024 Genap

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SCHEDULE:

PA Jumat, 13.30 – 15.30 Room 302 PB Jumat, 15.45 – 18.30 Room 305

The last 30 minutes of the schedule will be Q&A for Attendee and Score





SCHEDULE:

KA Sabtu, 18.30 – 20.30 Room 303

The last 30 minutes of the schedule will be Q&A for Attendee and Score (No quizzes)

Base on Warek 1 use **BLENDED LEARNING**:

Offline: 4 mettings (2 before Mid exam and

2 after Mid Exam)

Online: 10 mettings (Google Meet on

GCalendar)





BLANDED LEARNING TOOLS:

Gmett (on GCalendar) VS Code install Live Share GITHUB





ASSESSMENT

- Tasks are **individual** or **group**, submission deadline 1 week
- Midterm Exam (UTS)

Final Exam (UAS)

- Project's Group
- 3 times Presentations (Intro, Progress, Final)
- Individual testing and comprehensive

*Attendee < 12 ineligible

Agenda

01Introduction

Mobile Devices

02Mobile Tech

Platform mobile dev

03 Life Cycle

Operation, variable and passing param

04 UI/UX

Desaining and controlling

05 Storage

Authorizations

06 Resume

Resume material, Project Group

Agenda

07 Exmination

Midterm Exam

08Project Phase 1

Topic, Research Method, UML, Wireframe 09 Project Phase 1

Topic, Research Method, UML, Wireframe

10 Project Phase 2

Progress PW & PPB

11 Project Phase 2

Progress PW & PPB

12
Project Final

Testing and Comprehensive

Agenda

13
Project Final

Testing and Comprehensive

14 Final Exam

Final Exam



O1 Mobile Device Introduction



What is Mobile Device?



What types of

Mobile Device?



What role do

Mobile Device

play in everyday life?





O2 Mobile Apps Development Platform



What is

Mobile APPS?



Platform Type Mobile Apps



Native Application



Website Application



Hybrid Application



Platform Type Mobile Apps



Native Application



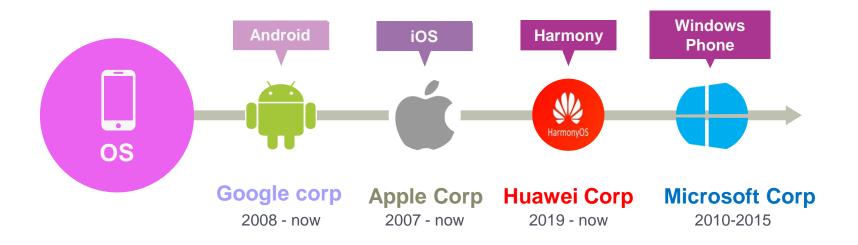
Website Application



Hybrid Application



OS on Mobile Device







Native Platform



Cross Platform





Native Application









Native Application









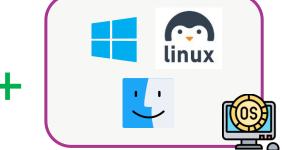
Native Application













Native-Platfform Dev

Benefits

Pros

- Top-notch operation
- Fewer errors
- Superior interactiveness
- Feature access
- Security

Cons

- Higher expenses
- Complex support
- Lower speed/bigger teams



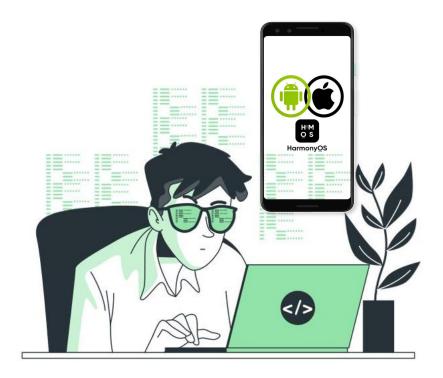








Kompus Cross Platform Dev



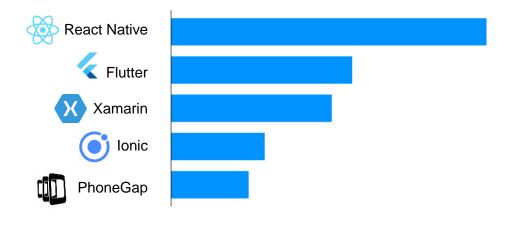






Cross Platform – Popularity

April 2023



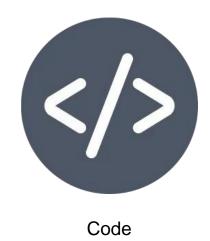


O3 Basic Concepts Mobile Development



1. Choosing the Platform







Tool Chains



1. Choosing the Platform









Code

Tool Chains



2. Desain UI/UX



UI Principles



COLORS

Learn the basics of color and color psychology. Colors in applications are usually divided into three categories namely **Primary**, **Secondary** and **Tertiary** Colors.



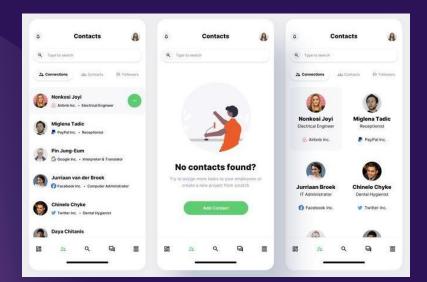




BALANCE

Create a balanced design by paying attention to CONTRAST and TYPOGRAPHY as well as choosing fonts that are easy to read.





CONSISTENT

Consistent with the shape of the layout component from one frame to another.

And consistent with the framework / library used

Hierarchy

- 1. Information architecture
- 2. Visual hierarchy





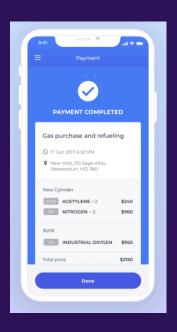




Have a standard layout pattern between products.







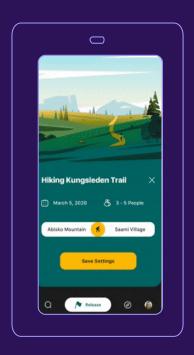
CONFIRMATION

Preventing misinformation in applications is one of the main goals of UX



User Control

Membantu pengguna dengan mudah untuk mundur atau kembali ke halaman awal atau tidak jadi melakukan transaksi.











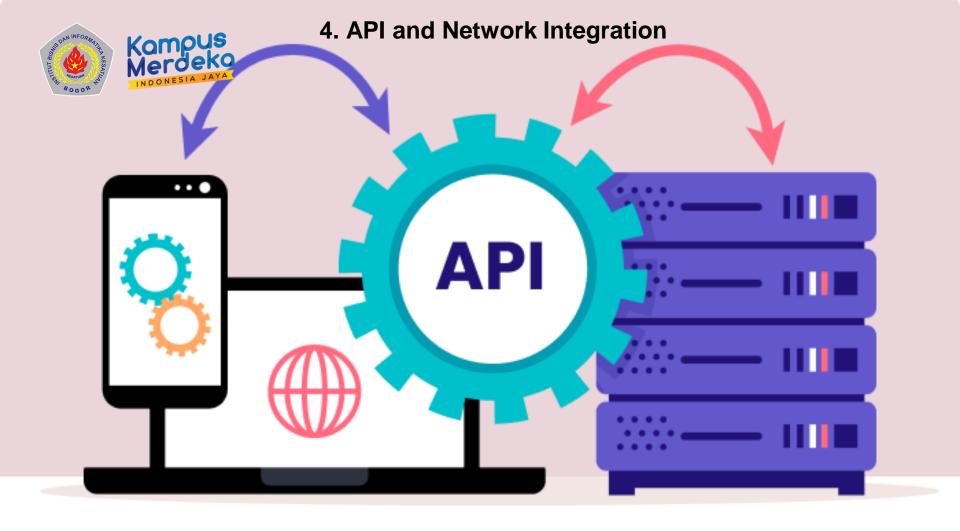
ACCESSIBILITY

Designing a product that can be used by many people including people with disabilities very easily



3. Database and Storage Management





Thanks