

Proposal for MacBook Pro Purchase for Mobile App Development

To: Management  
From: MUHAMMAD AMIRUL AIMAN BIN MOHD NASIR  
Date: 12 February 2025  
Subject: Request for MacBook Pro for Mobile App Development

**1. Introduction** I am writing to formally request the purchase of a MacBook Pro to support mobile app development at Pro Office Technology Sdn Bhd. As mobile applications play a critical role in our business operations and client solutions, having the right tools is essential for efficiency and high-quality output.

**2. Justification** Our mobile app development primarily focuses on iOS and cross-platform applications, which require a macOS environment for development, testing, and deployment. A MacBook Pro provides the necessary hardware and software compatibility, ensuring seamless performance in the following areas:

- **Xcode & iOS Development:** Xcode, the official IDE for iOS development, is only available on macOS. Since Flutter development requires Xcode to publish and maintain apps on App Store Connect, having a MacBook is essential for our workflow.
- **Cross-Platform Development:** Tools such as Flutter, React Native, and Xamarin perform optimally on macOS.
- **Performance & Reliability:** The MacBook Pro is well-known for its smooth and lag-free experience, making coding more efficient and reducing delays caused by hardware limitations.
- **Security & Compliance:** macOS provides a secure development environment, reducing vulnerabilities in application development.

**3. Proposed MacBook Pro Specifications** For optimal performance, I recommend the following configuration:

Specification	Details
Model	MacBook Pro 14-inch (M4 Chip)
Processor	Apple M4 (10-core CPU, 10-core GPU)

<b>RAM</b>	16GB (sufficient for seamless multitasking and smooth development experience)
<b>Storage</b>	512GB SSD (ample storage for project files and application dependencies)
<b>Operating System</b>	macOS Sonoma (latest version)

This specific configuration is ideal for mobile app development as it provides the perfect balance between performance, efficiency, and cost. The M4 chip ensures fast processing speeds and reduced compilation times, leading to increased productivity. With a high-quality Retina display, developers can work more comfortably with precise UI design adjustments. Furthermore, the MacBook Pro's optimized power consumption extends battery life, allowing for flexible work locations without constant charging interruptions.

**4. Expected Benefits** Approving this request will provide the following benefits to the company:

- Faster development cycles, improving project delivery timelines.
- Compatibility with all required iOS development tools and environments.
- Enhanced security and performance for mobile application projects.
- Greater efficiency in debugging, testing, and deploying mobile apps.
- Cost-effective solution with long-term reliability and support.

**5. Cost Estimate** The estimated cost for the recommended MacBook Pro configuration is RM 6,999, based on current market pricing.

**6. Conclusion** Investing in a MacBook Pro will significantly enhance our mobile app development capabilities, leading to improved productivity and better-quality applications for our clients. I sincerely appreciate your consideration of this request and look forward to your approval.

**Thank you for your time and support.**

**Best regards,**

**MUHAMMAD AMIRUL AIMAN BIN MOHD NASIR**  
**MOBILE DEVELOPER, EXECUTIVE**  
**Pro Office Technology Sdn Bhd**