

PalmTalks Aplikasi Konsultasi Digital Penanganan Infeksi Ganoderma Untuk Keberlanjutan Kelapa Sawit

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Mengembangkan aplikasi konsultasi berbasis digital yang menghubungkan petani kelapa sawit dengan pakar. Aplikasi ini diharapkan dapat meningkatkan akses informasi, mempercepat penyelesaian masalah di lapangan, serta mendukung pengelolaan perkebunan yang lebih efektif dan berkelanjutan.



Desain dan pengembangan aplikasi konsultasi interaktif untuk manajemen dan dukungan kesehatan mental Rizky, M. & Ikrimach (2024)

International Journal of Science, Technology, Engineering and Mathematics
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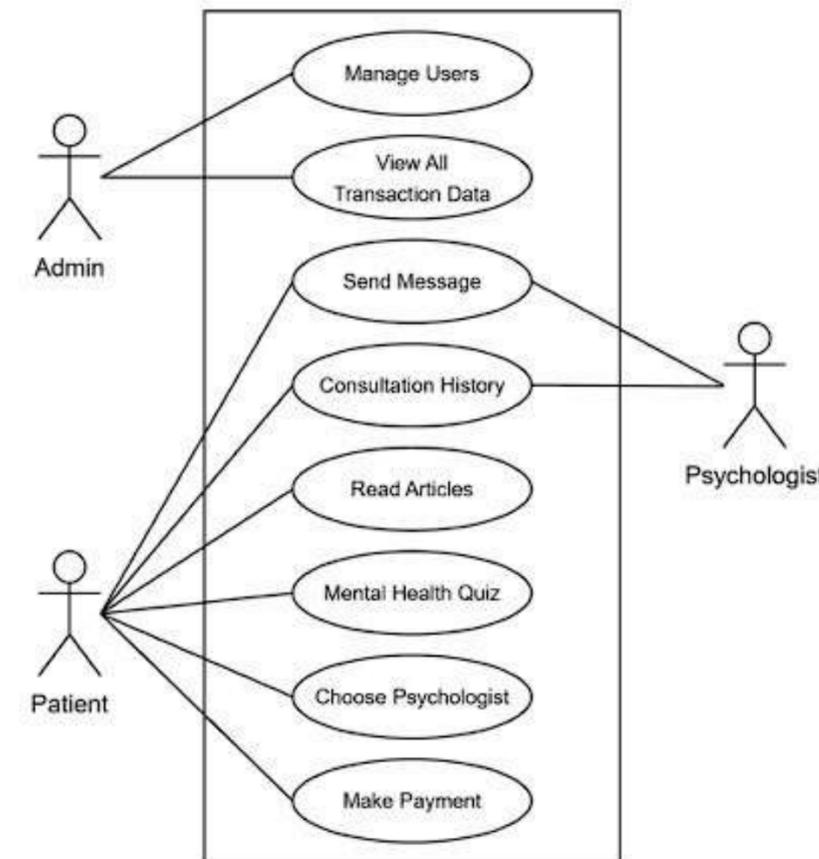


Design and development of an interactive consultation application for mental health management and support

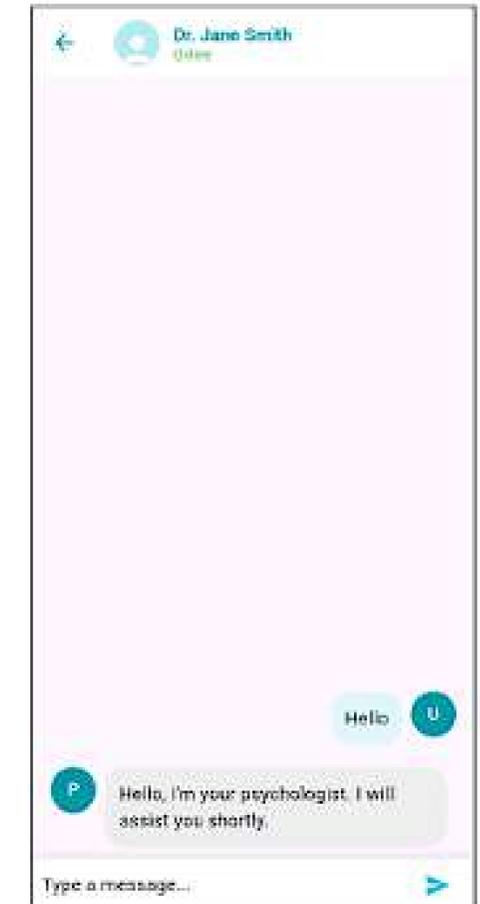
¹Muhammad Rizky & ²Ikrimach

Interactive consultation is a collaborative process where patients and healthcare providers engage through technology to facilitate diagnosis and treatment (Richardson et al., 2020). It involves a dynamic, real-time exchange of information between individuals, such as patients or clients, and professionals like healthcare providers, therapists, or consultants (Kwame & Petrucka, 2020). This approach is often facilitated through digital platforms, enabling consultations to occur remotely via various means like video calls, chat, or other interactive tools (Moulaei et al., 2023).

From a technical perspective, interactive consultation applications can employ various development methods. For instance, the Scrum method has been used in some applications, emphasizing team collaboration, flexibility, and continuous improvement. This approach allows development teams to respond quickly and effectively to changing client needs. Technologies such as PHP and MySQL are often used for data management, ensuring that applications can efficiently handle large amounts of information (Haun et al., 2024).



Mobile chat interface



Desain UI/UX Aplikasi Sistem Konsultasi Psikologi Menggunakan Metode Design Thinking Ahmad Taufiq Rohman¹, Joko Sutopo²

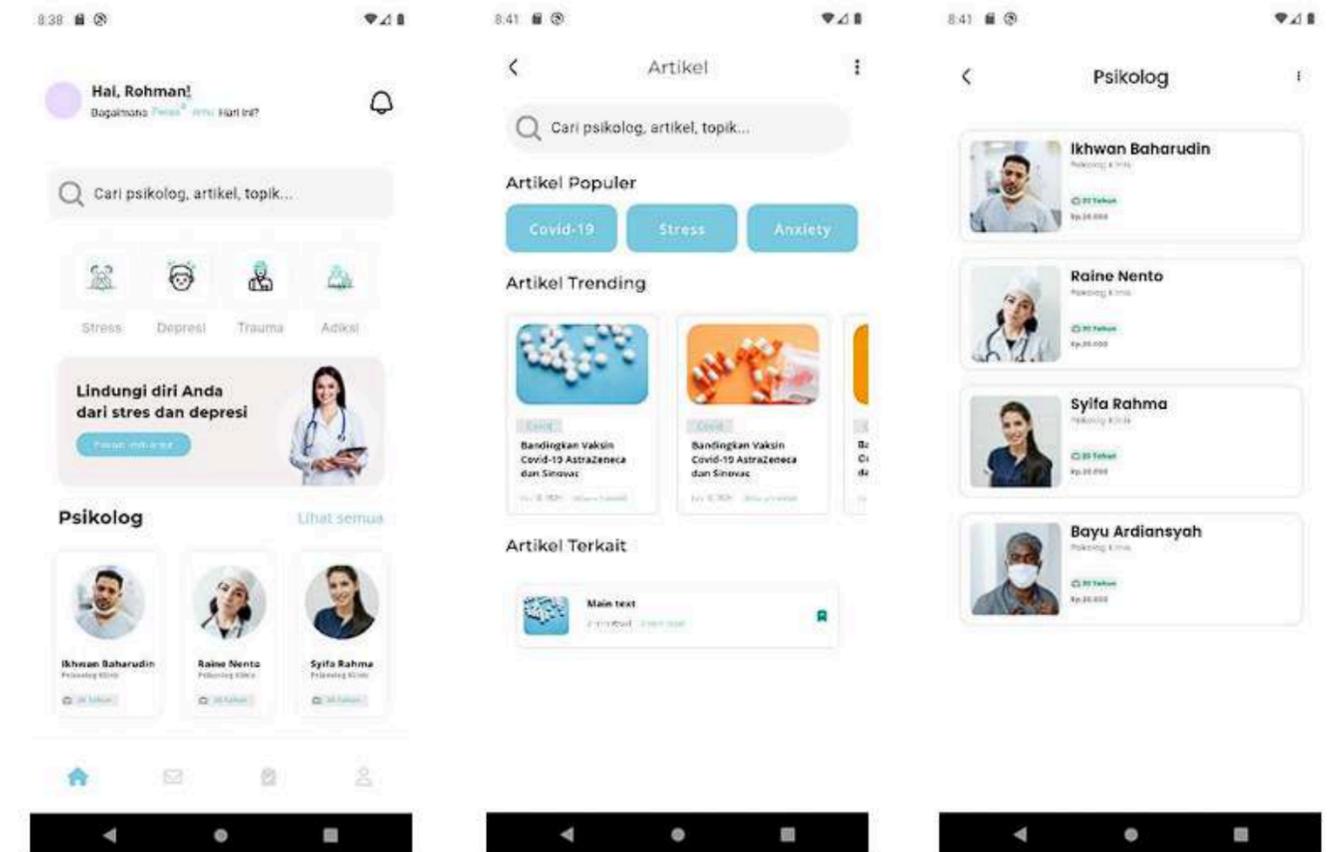
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<http://jst.publikasiindonesia.id/>



UI/UX Design of Psychology Consultation System Application Using the Design Thinking Method

Based on the results of the study, it can be concluded that the application of the design thinking method in designing UI/UX of psychology consulting system applications is effective in improving user experience. The research aims to understand user needs and create an intuitive interface and useful features. The findings show that user satisfaction with the existing app interface is quite low, with 75% of users finding it difficult to navigate, indicating that an unintuitive interface design can hinder the user experience. Features such as mood trackers and mental health tips received positive



SISTEM JANJI TEMU DAN KONSULTASI MEDIS BERBASIS SELULER (MMAC) AJAYI, Olusola Olajide

[International Journal of Computer Science and Mobile Computing](#)

A Monthly Journal of Computer Science and Information Technology

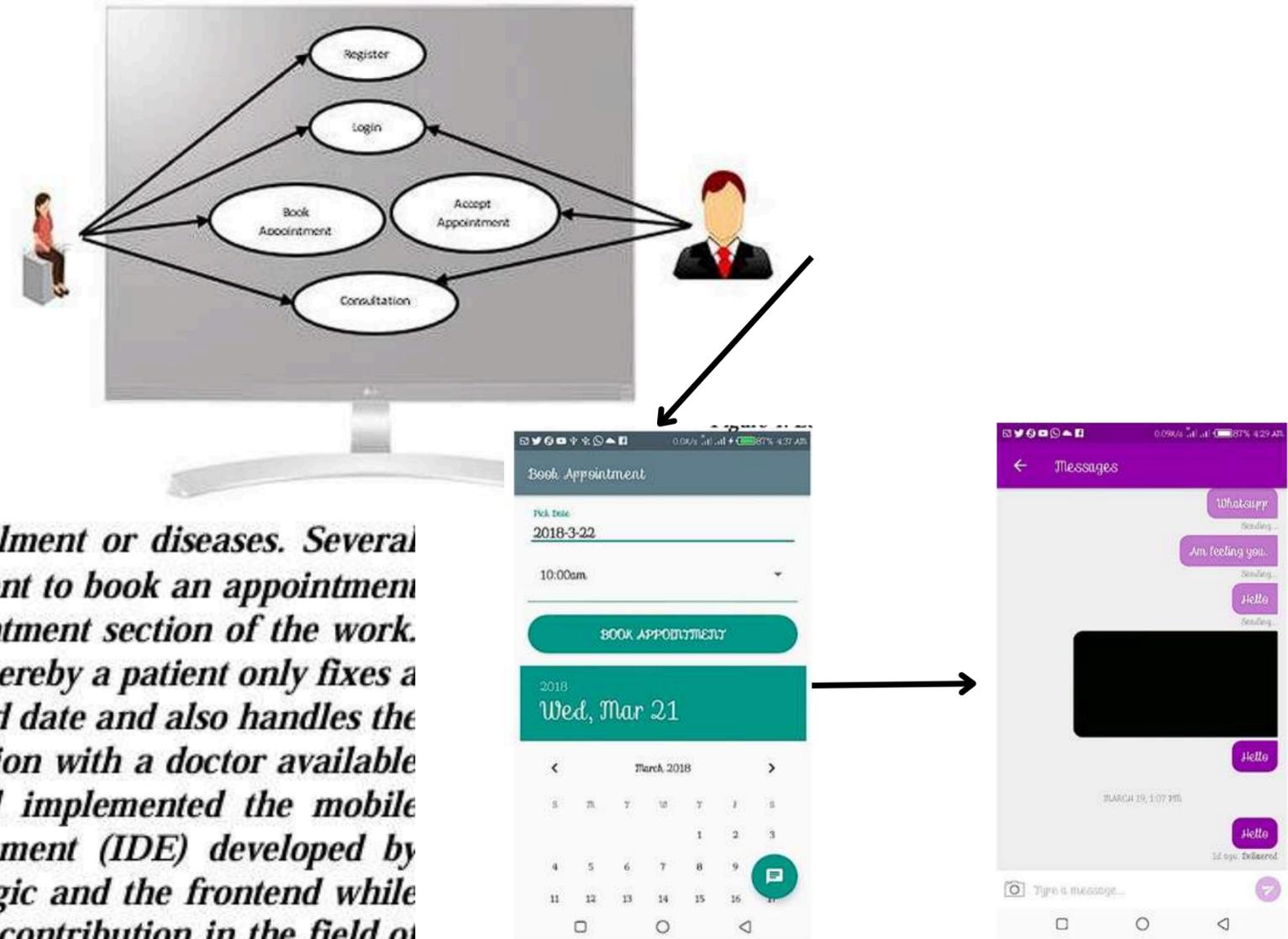


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IJCSMC, Vol. 8, Issue. 5, May 2019, pg.208 – 218

A MOBILE BASED MEDICAL APPOINTMENT AND CONSULTATION (MMAC) SYSTEM

doctor the opportunity to access, examine, test and diagnose a patient of an ailment or diseases. Several researches have been done in this domain whereby some researches allow a patient to book an appointment with a particular doctor and majority of these researches only handle the appointment section of the work. This prompted the researcher to delve into a real-time appointment scheduling whereby a patient only fixes a time and date and the system allocate a doctor available at that particular time and date and also handles the rescheduling of patients with doctors. Also, the system integrates a live consultation with a doctor available online. The study adopted object-oriented analysis and design approach and implemented the mobile application using android studio which is an integrated development environment (IDE) developed by Google, and JAVA was used as the choice of programming language for the logic and the frontend while PHP and MySQL were used for the backend. The research work played a major contribution in the field of medicine which allows and enable the patient to have a real time scheduling of appointments with a doctor and also allows patient and doctors to come online and have conversation and interact together.



2025

- Implementasi pada perkebunan
- Menyediakan konsultasi dan forum berbasis digital untuk mengatasi permasalahan di lapangan oleh para ahli.

2026

- Kolaborasi dengan institusi dan pakar lebih banyak
- Pengembangan Aplikasi dan penyempurnaan sistem
- Pengumpulan Permasalahan, Pembuatan Data Set Ganoderma

2027

- Skalabilitas Aplikasi Pengembangan fitur tambahan dengan mengembangkan fitur pencarian pakar berdasarkan lokasi, spesialisasi, atau riwayat konsultasi sebelumnya.

Luaran:

Biaya:

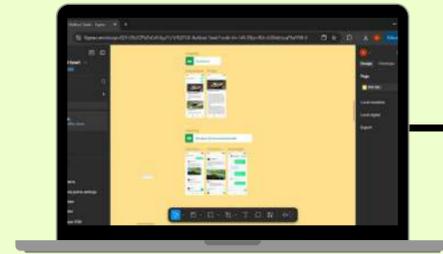
Rp. 9.857.000

Rp. 14.460.000

Rp. 19.760.000



Perancangan Sistem dan pengembangan frontend & backend



Pembuatan desain UI/UX Aplikasi



Pembuatan Frontend

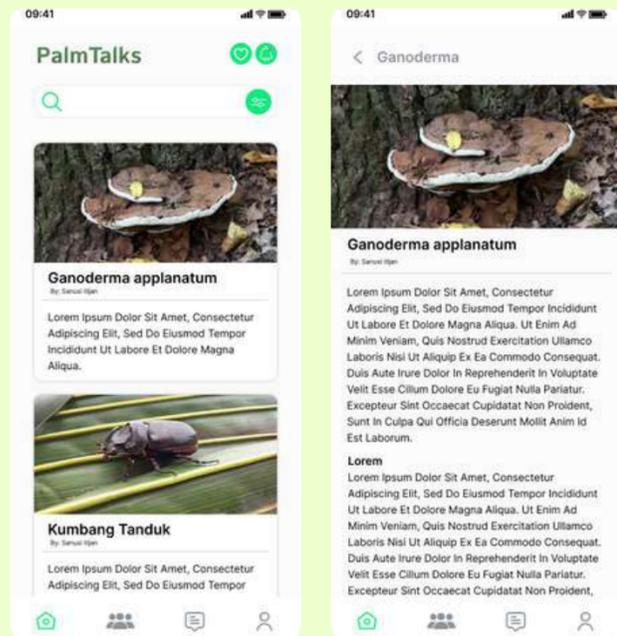


Pembuatan Backend

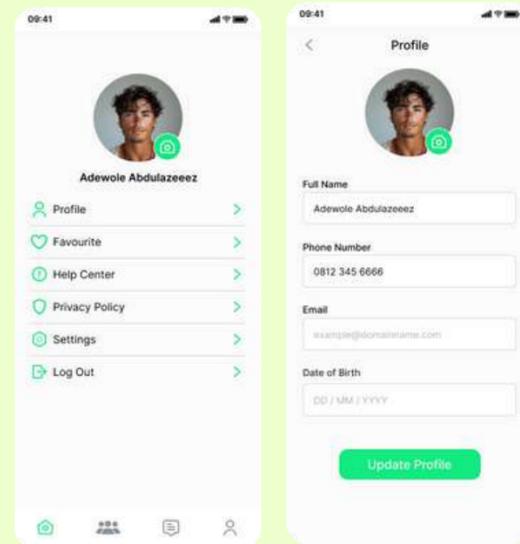


PalmTalks

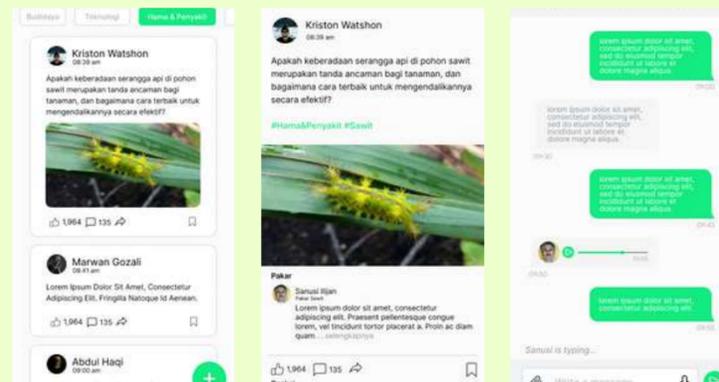
Aplikasi PalmTalks



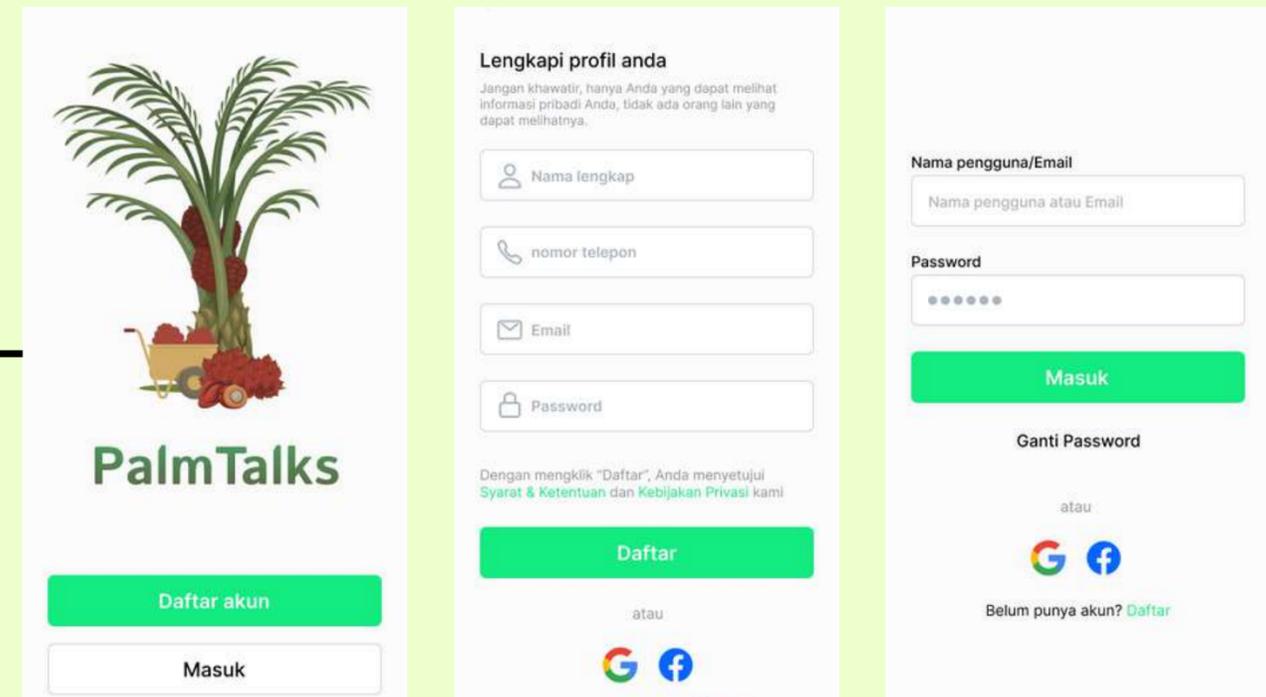
Tampilan Beranda



Tampilan menu profil



Tampilan menu komunitas dan konsultasi



Tampilan awal dan login aplikasi





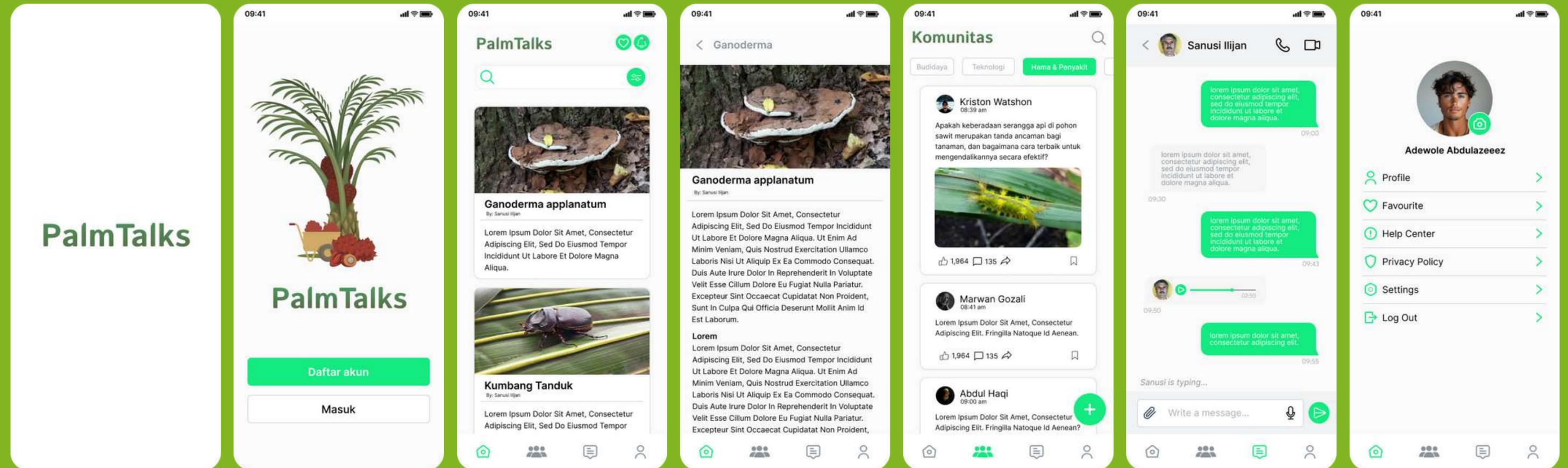
GANTT CHART RISET



No	Kegiatan	Apr	Mei	Jun	Jul	Ags	Sep	Okt	Nov
1.	Studi literatur dan perancangan desain UI/UX aplikasi berbasis penelitian pengguna.								
2.	Pengembangan front-end menggunakan FlutterFlow dan back-end dengan integrasi database dan API.								
3.	Implementasi fitur utama, termasuk konsultasi dengan ahli dan forum komunitas petani sawit.								
4.	Pengujian awal fungsionalitas dan sistem secara menyeluruh untuk mendeteksi serta memperbaiki bug.								
5.	Uji coba aplikasi di lingkungan pengguna dan optimasi berdasarkan umpan balik.								
6.	Peluncuran aplikasi secara resmi dan evaluasi pengguna untuk peningkatan versi selanjutnya.								



Aplikasi PalmTalks





RENCANA ANGGARAN RISET



Kategori	Rincian	Qty	Harga
Biaya Peralatan	Server & Cloud Storage, Domain, Database Management System	3	Rp. 6.550.000
Pengembangan	Pelatihan, Validasi Model	1	Rp. 2.000.000
Implementasi & Maintenance	Deploy, Uji Coba, Perbaiki Model	1	Rp. 1.400.000
Total keseluruhan			RP. 10.000.000



Teknologi dapat digunakan dan dikembangkan perkebunan BGA

Mengurangi biaya tenaga kerja dan alat manual.

Meningkatkan efisiensi produksi dengan penyerbukan yang lebih optimal.

FINANCIAL

NON FINANCIAL

Menjaga kesehatan dan produktivitas pohon.

Mencegah dampak pembusukan yang tak terdeteksi.

Sesuai regulasi perkebunan.

KOMPONEN ANALISA

BENEFIT :

- Efisiensi biaya pemeliharaan dan pengelolaan kebun.
- Percepatan waktu pengembalian investasi (payback period).

ANALISA RESIKO :

- Informasi yang diberikan oleh pakar melalui fitur konsultasi dalam aplikasi tidak cukup responsif.
- Aplikasi belum banyak dikenal, sehingga belum dimanfaatkan secara optimal oleh petani.

PEMECAHAN RESIKO :

- Percepat respons pakar dengan menambah jumlah ahli dan mengoptimalkan sistem antrian.
- Perluas jangkauan aplikasi melalui sosialisasi langsung ke petani dan kerja sama dengan komunitas pertanian.



Terimakasih

Open Innovation BGA Tahun 2025

