

ABSTRAK
APLIKASI INDEKOS BERBASIS *PROGRESSIVE WEB*
***APPLICATION* (PWA)**

(Dian Dona Adelia 2025: 203 Halaman)

Tingginya arus migrasi penduduk usia produktif ke Kota Palembang menciptakan kebutuhan akan hunian sewa seperti kos-kosan yang praktis dan mudah diakses. Namun, pencarian kos secara konvensional masih menjadi kendala bagi pendatang, sementara pengelolaan manual menyulitkan pemilik kos dalam pencatatan dan komunikasi. Penelitian ini bertujuan untuk merancang dan membangun aplikasi indekos berbasis *Progressive Web Application* (PWA) guna meningkatkan akses informasi tempat tinggal sewa dan efisiensi pengelolaan properti. Metode pengembangan yang digunakan adalah *Rapid Application Development* (RAD). Aplikasi diuji menggunakan *Blackbox Testing* dan *User Acceptance Testing* (UAT). Hasil *Blackbox* menunjukkan seluruh fitur utama seperti registrasi, login, pengelolaan kos, booking kamar, pencatatan pengeluaran, dan laporan okupansi berjalan baik tanpa kendala teknis. UAT dilakukan terhadap tiga kelompok pengguna: pemilik kos (rata-rata skor 82,98%), calon penyewa (85,25%), dan penyewa aktif (86,93%). Nilai tertinggi berada pada aspek efisiensi dan kemudahan, dengan rata-rata keseluruhan mencapai 85,05% yang termasuk dalam kategori “Sangat Setuju”. Hasil ini menunjukkan bahwa aplikasi mampu menjawab kebutuhan pengguna dalam pencarian dan pengelolaan kos secara digital dengan antarmuka yang responsif dan fitur yang relevan.

Kata kunci : Aplikasi indekos, *Progressive Web Application*, RAD, *Blackbox Testing*, *User Acceptance Testing*

ABSTRACT
BOARDING HOUSE APPLICATION BASED ON *PROGRESSIVE*
WEB APPLICATION (PWA)

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The high rate of migration among the productive-age population to Palembang City has increased the demand for rental housing, such as boarding houses (kos), that are practical and easily accessible. However, conventional boarding house searches remain a challenge for newcomers, while manual management creates difficulties for property owners in recording and communication. This study aims to design and develop a boarding house application based on Progressive Web Application (PWA) to improve access to rental housing information and enhance property management efficiency. The development method used is Rapid Application Development (RAD) with a design workshop approach. The application was tested using *Blackbox Testing* and *User Acceptance Testing* (UAT). The Blackbox test results showed that all core features—such as registration, login, kos management, room booking, expense recording, and occupancy reporting—ran smoothly without technical issues. UAT was conducted on three user groups: kos owners (average score of 82.98%), prospective tenants (85.25%), and current tenants (86.93%). The highest scores were recorded in efficiency and ease of use, with an overall average of 85.05%, categorized as “Strongly Agree.” These results indicate that the application effectively meets user needs in digital boarding house search and management through a responsive interface and relevant features.

Keywords: Boarding house application, Progressive Web Application, RAD, Blackbox Testing, User Acceptance Testing