# ABSTRAK

Muhammad Dwi Prasetyo, 2023. **Pengembangan Backend Aplikasi “Tandur” Kolaborasi Petani Urban Menggunakan Laravel**. Tugas Akhir, Program Studi Teknik Informatika (S1), STIKI – MALANG, Pembimbing: Bagus Kristomoyo Kristanto

Kata kunci: Laravel, Backend, API

Aplikasi Tandur dikembangkan sebagai platform yang menghubungkan petani, pemilik tanah, penjual, dan pembeli produk pertanian melalui fitur Urban Farming, Tandur Market, dan Belajar Nandur. Penelitian ini bertujuan untuk mengembangkan backend Tandur menggunakan framework PHP Laravel guna menyediakan akses data terpusat dan integrasi platform di berbagai perangkat. Backend yang baik memungkinkan pengguna untuk dengan mudah mengakses fitur dan data, meningkatkan pengalaman pengguna, serta mendukung pertumbuhan dan skalabilitas aplikasi. Manfaatnya mencakup efisiensi penggunaan sumber daya dan pengelolaan data, kemudahan pemeliharaan dan pengembangan, konsistensi pengalaman pengguna di berbagai platform, serta skalabilitas untuk integrasi platform baru. Pembatasan penelitian ini termasuk fokus pada transaksi sewa menyewa lahan, jual beli produk Tandur, dan panduan belajar nandur. Pembayaran menggunakan Midtrans, dan perhitungan biaya pengiriman melalui Raja Ongkir.

# ABSTRACT

Muhammad Dwi Prasetyo, 2023. **Development of the "Tandur" Application Backend: A Collaboration between Urban Farmers Using Laravel**. Final Project, Study Program Informatics Engineering Bachelor's degree, STIKI – MALANG, Advisor 1 : Bagus Kristomoyo Kristanto

Keyword: Laravel, Backend, API

The Tandur application is developed as a platform that connects farmers, landowners, sellers, and buyers of agricultural products through the features of Urban Farming, Tandur Market, and Learn Nandur. This research aims to develop the Tandur backend using the PHP Laravel framework to provide centralized data access and platform integration across various devices. A well-developed backend enables users to easily access features and data, enhances user experience, and supports the growth and scalability of the application. The benefits include efficient resource utilization and data management, ease of maintenance and development, consistent user experience across multiple platforms, and scalability for integrating new platforms. The research limitations include a focus on transactions related to land leasing, buying and selling Tandur products, and learning Nandur. Payments will be processed using Midtrans as the payment gateway, and shipping costs will be calculated using the Raja Ongkir third-party service.