

Pengenalan Laravel

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Berry Firmann

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- Projek
 - Orderonline.id
 - Inventro.id
 - Oexpress.id
 - Wrkpln.com
 - Talenesia.com
 - Blazbluz.com
 - Satujuan.com
 - Prospector.id
 - Klosing.id

Kenapa Web Development?

- Dibutuhkan oleh Banyak Perusahaan
- Berkontribusi Secara Langsung di Dunia Digital
- Sulit Digantikan oleh Robot
- Gaji yang Besar
- Bisa Membuat Website dan Aplikasi Sendiri

- gamelab.id -

Ada apa aja dalam 1 Tim IT Developer?

- Product Owner
- Product Manager
- UI/UX (Figma, Adobe XD)
- QA / Tester
- Fullstack Engineer (FE, BE, DB, DevOps)
- Front End Engineer (ReactJS, VueJs)
- Back End Engineer (PHP, Laravel, NodeJs, ExpressJs, Python)
- Mobile Engineer (Kotlin, Swift, Flutter, React Native)
- Infrastructure Engineer / DevOps (GitOps, Kubernetes)

Sebelum belajar

- PHP 8+, MySQL, Apache <https://www.apachefriends.org/download.html>
- Composer 2 <https://getcomposer.org/download>
- VSCode <https://code.visualstudio.com/download>
- Laravel <https://laravel.com/docs>
- Bootstrap <https://getbootstrap.com/docs>

Laravel?

“Laravel is a web application framework with expressive, elegant syntax. We’ve already laid the foundation — freeing you to create without sweating the small things”

-laravel.com

Web Application Framework

- Sebuah kerangka yang didesain untuk mendukung pembangunan web aplikasi
- Menyediakan standar/cara untuk membangun aplikasi
- Bertujuan untuk mengotomasi hal-hal umum yang biasa dilakukan saat membangun aplikasi web
- contohnya: database library, templating engine, session management, authentication, security

Fitur utama Laravel

- MVC Pattern
- Templating Engine
- Artisan Console
- Eloquent ORM
- Authentication & Authorization
- Testing
- Packaging System
- Mutiple File System
- Task Scheduling
- Websocket Programming

Ekosistem Laravel



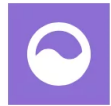
Vapor
Serverless Platform



Forge
Server Management



Envoyer
Zero Downtime Deployment



Horizon
Queue Monitoring



Nova
Administration Panel



Echo
Realtime Events



Lumen
Micro-Framework



Sail
Local Docker environment



Spark
SaaS App Scaffolding



Valet
Dev Environment for Macs



Mix
Webpack Asset Compilation



Cashier
Subscription Billing Integration



Dusk
Browser Testing and Automation



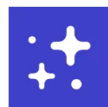
Sanctum
API / Mobile Authentication



Scout
Full-Text Search



Socialite
OAuth Authentication



Telescope
Debug Assistant



Jetstream
App Scaffolding



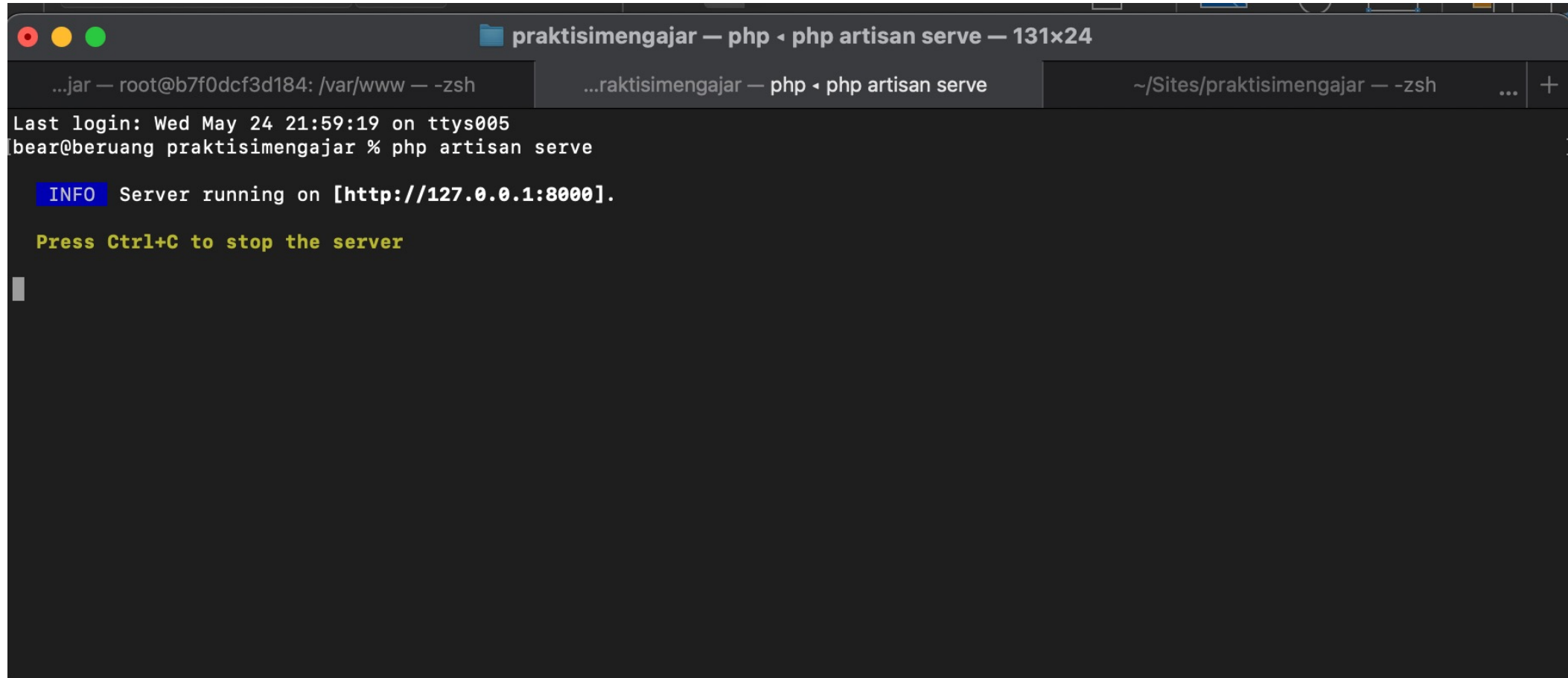
Hal yang harus dipahami

- PHP Dasar
- OOP
- MVC
- Extensions
 - PHP Intelephense
 - Laravel Artisan
 - Laravel Snippets
 - Laravel Blade Snippets
 - Laravel Blade Spacer
 - Laravel GoTo View

Instal Laravel menggunakan Composer

Jika Instalasi Composer sudah selesai dan XAMPP versi terbaru.

1. Pastikan composer berjalan dengan benar. Untuk mencobanya tulis **composer** pada CMD maka akan tampil tulisan **COMPOSER**
2. Buka Command Prompt/CMD/Terminal/CMDer
3. Masuk ke buat/lokasi folder praktisimengajar melalui CMD ketik perintah berikut: **cd C:\Sites**
4. Copy dan paste di CMD: **composer create-project laravel/laravel praktisimengajar**
5. Tunggu hingga proses download laravel selesai. ***pastikan koneksi internet lancar**
6. Jika berhasil, maka di folder web akan ada folder praktisimengajar
7. Masuk ke dalam folder “praktisimengajar” dengan cara: **cd C:\Sites\praktisimengajar** lalu jalankan perintah “php artisan serve”



A terminal window titled "praktisimengajar — php ▶ php artisan serve — 131x24". The window has three tabs: "...jar — root@b7f0dcf3d184: /var/www — -zsh", "...raktisimengajar — php ▶ php artisan serve", and "~/Sites/praktisimengajar — -zsh". The active tab shows the output of the "php artisan serve" command. The output includes the last login time, the command executed, and a message indicating the server is running on http://127.0.0.1:8000. A prompt for pressing Ctrl+C to stop the server is also visible.

```
Last login: Wed May 24 21:59:19 on ttys005
bear@beruang praktisimengajar % php artisan serve

INFO Server running on [http://127.0.0.1:8000].

Press Ctrl+C to stop the server
```



Documentation

Laravel has wonderful documentation covering every aspect of the framework. Whether you are a newcomer or have prior experience with Laravel, we recommend reading our documentation from beginning to end.



Laracasts

Laracasts offers thousands of video tutorials on Laravel, PHP, and JavaScript development. Check them out, see for yourself, and massively level up your development skills in the process.

Laravel News

Laravel News is a community driven portal and newsletter aggregating all of the latest and most important news in the Laravel ecosystem, including new package releases and tutorials.



Vibrant Ecosystem

Laravel's robust library of first-party tools and libraries, such as [Forge](#), [Vapor](#), [Nova](#), and [Envoyer](#) help you take your projects to the next level. Pair them with powerful open source libraries like [Cashier](#), [Dusk](#), [Echo](#), [Horizon](#), [Sanctum](#), [Telescope](#), and more.

Struktur Folder

- Model
- View
- Controller
- Router

Terima Kasih