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Cara Instalasi dan Cara Menggunakan Composer

1. Di sini saya menggunakan sistem operasi Linux yang di mana untuk instalasi composer jauh lebih mudah dan cepat dibanding dengan Windows
2. Buka Terminal
3. Ketik perintah: `sudo pacman -S composer`

```
PROBLEMS OUTPUT TERMINAL

vsga-jwd/live_session_6 [v main]
> sudo pacman -S composer
resolving dependencies...
looking for conflicting packages...

Package (1)      New Version  Net Change
extra/composer   2.4.0-1      2.68 MiB

Total Installed Size: 2.68 MiB

:: Proceed with installation? [Y/n]
```

4. Setelah muncul tampilan konfirmasi, ketik y lalu enter.
5. Untuk mengecek apakah composer sudah terinstall atau belum, ketikkan perintah:
`composer`

```
PROBLEMS OUTPUT TERMINAL

vsga-jwd/live_session_6 [v main]
> composer

Composer version 2.4.0 2022-08-16 16:10:48

Usage:
  command [options] [arguments]

Options:
  -h, --help                Display help for the given command. When no command is given display help for the list command
  -q, --quiet               Do not output any message
  -V, --version             Display this application version
      --ansi|--no-ansi      Force (or disable --no-ansi) ANSI output
  -n, --no-interaction      Do not ask any interactive question
      --profile            Display timing and memory usage information
      --no-plugins         Whether to disable plugins.
      --no-scripts         Skips the execution of all scripts defined in composer.json file.
  -d, --working-dir=WORKING-DIR If specified, use the given directory as working directory.
      --no-cache            Prevent use of the cache
  -v|vv|vvv, --verbose     Increase the verbosity of messages: 1 for normal output, 2 for more verbose output and 3 for debug

Available commands:
  about             Shows a short information about Composer
  archive           Creates an archive of this composer package
  audit             Checks for security vulnerability advisories for installed packages
  browse            [home] Opens the package's repository URL or homepage in your browser
  bump             Increases the lower limit of your composer.json requirements to the currently installed versions
  check-platform-reqs Check that platform requirements are satisfied
  clear-cache       [clearcache] Clears composer's internal package cache
  completion       Dump the shell completion script
  config           Sets config options
  create-project   Creates new project from a package into given directory
  depends          [why] Shows which packages cause the given package to be installed
  diagnose         Diagnoses the system to identify common errors
  dump-autoload    [dumpautoload] Dumps the autoloader
  exec            Executes a vendored binary/script
  fund            Discover how to help fund the maintenance of your dependencies
  global          Allows running commands in the global composer dir ($COMPOSER_HOME)
  help            Display help for a command
  init            Creates a basic composer.json file in current directory
  install          [i] Installs the project dependencies from the composer.lock file if present, or falls back on the composer.json
  licenses         Shows information about licenses of dependencies
```

6. Untuk menginstall library (sebagai contoh: random-lib), ketikkan perintah: composer

```
require ircmaxell/random-lib
```

```
vsga-jwd/live_session_6/Tugas6_TaufikHidayat [v main]
> composer require ircmaxell/random-lib
Info from https://repo.packagist.org: #StandWithUkraine
Using version ^1.2 for ircmaxell/random-lib
./composer.json has been created
Running composer update ircmaxell/random-lib
Loading composer repositories with package information
Updating dependencies
Lock file operations: 2 installs, 0 updates, 0 removals
  - Locking ircmaxell/random-lib (v1.2.0)
  - Locking ircmaxell/security-lib (v1.1.0)
Writing lock file
Installing dependencies from lock file (including require-dev)
Package operations: 2 installs, 0 updates, 0 removals
  - Installing ircmaxell/security-lib (v1.1.0): Extracting archive
  - Installing ircmaxell/random-lib (v1.2.0): Extracting archive
Generating autoload files
No security vulnerability advisories found

vsga-jwd/live_session_6/Tugas6_TaufikHidayat [v main][?][v8.1.9]
> █
```