

LAPORAN PRAKTIKUM

Keamanan Sistem Informasi (KSI)

Disusun oleh
Vina Sahara
NPM 23753038

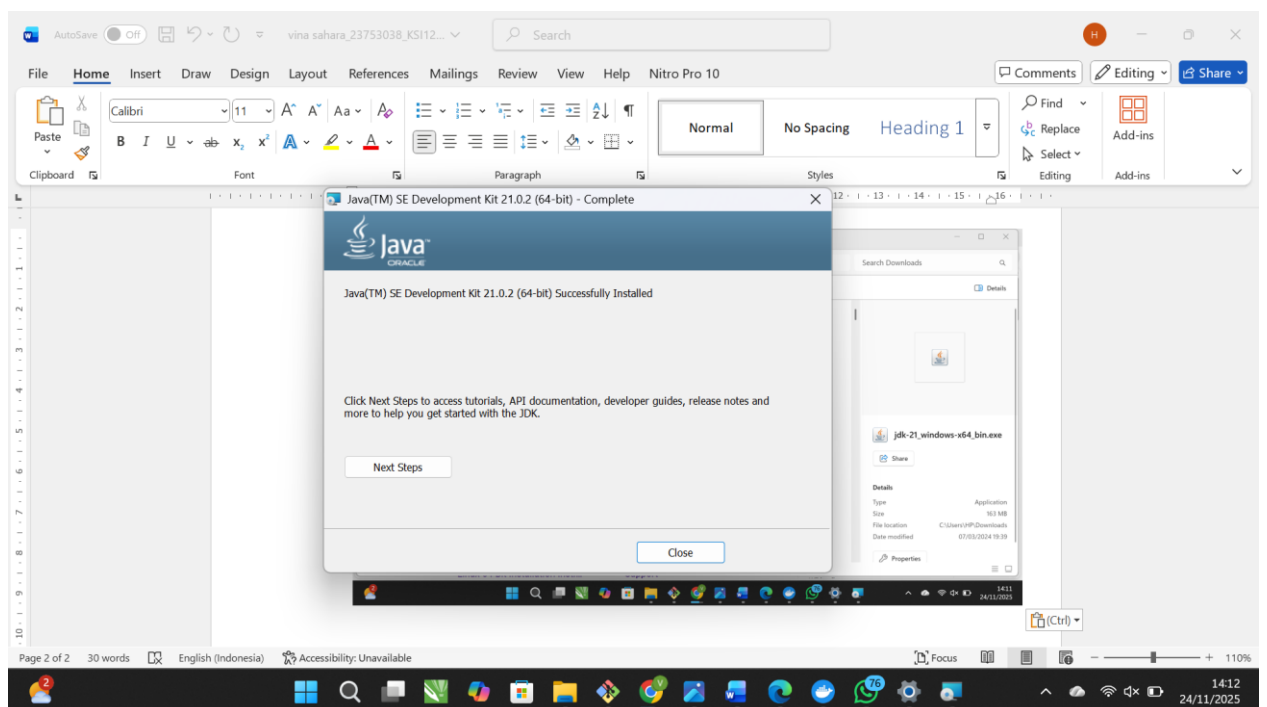
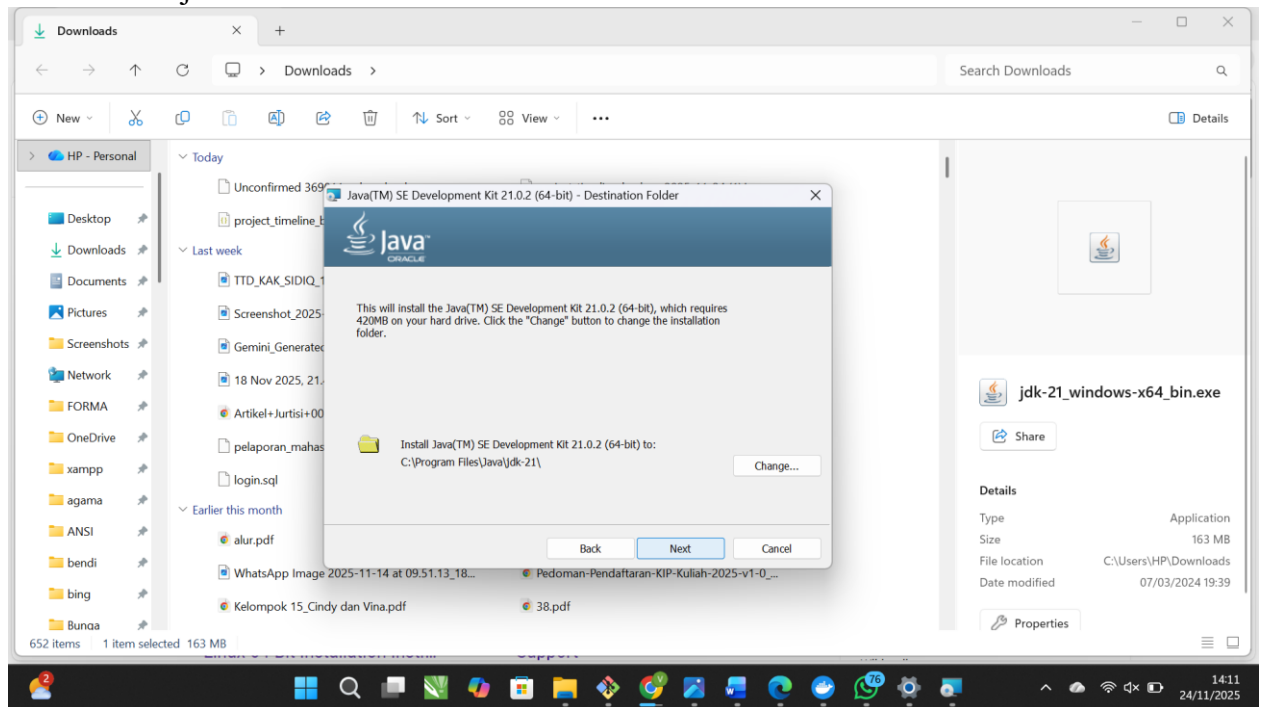
Sebagai salah satu syarat untuk tugas KSI
Manajemen informatika
Jurusan teknologi informasi



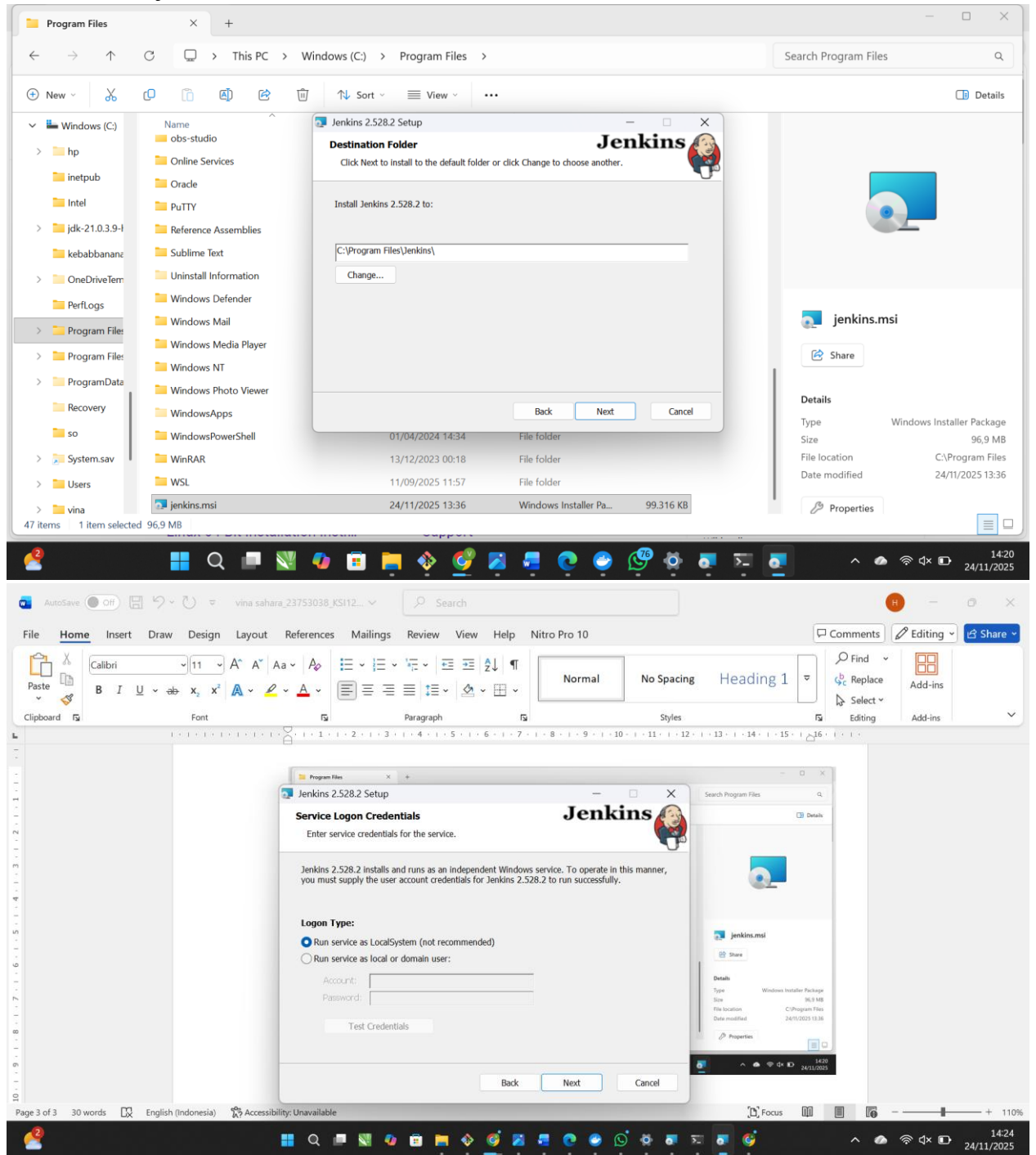
POLITEKNIK NEGERI LAMPUNG
BANDAR LAMPUNG

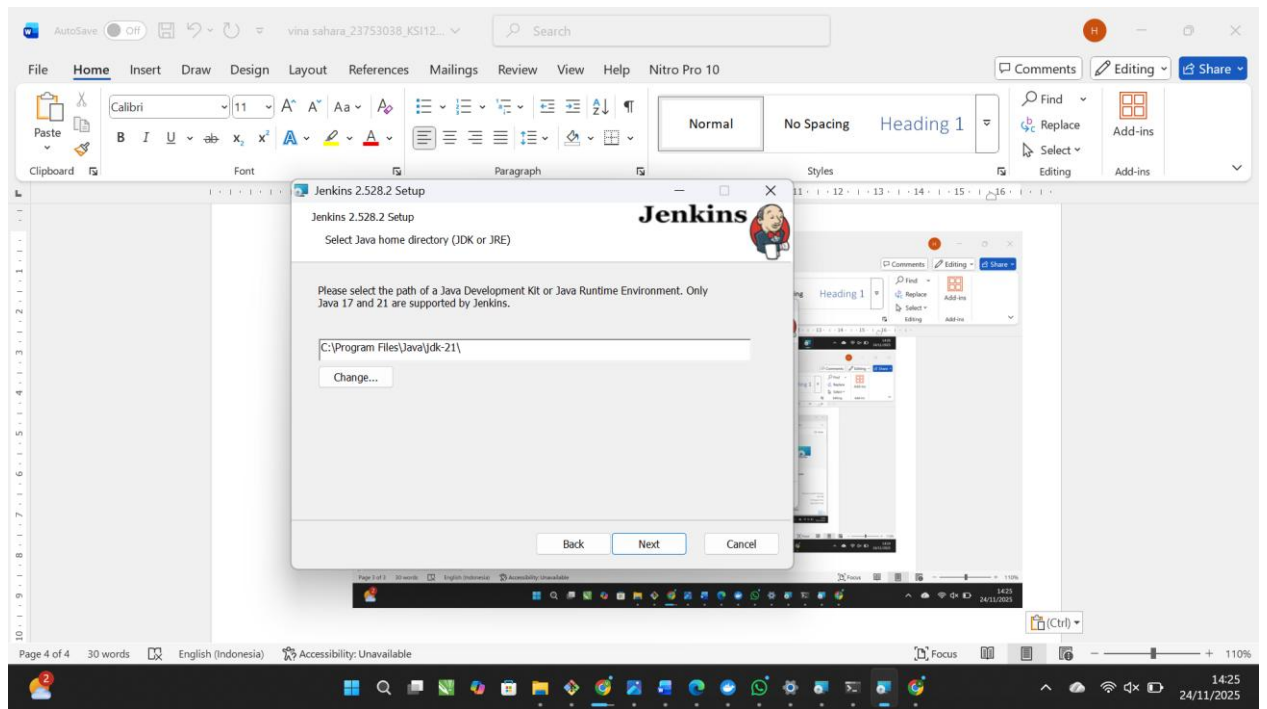
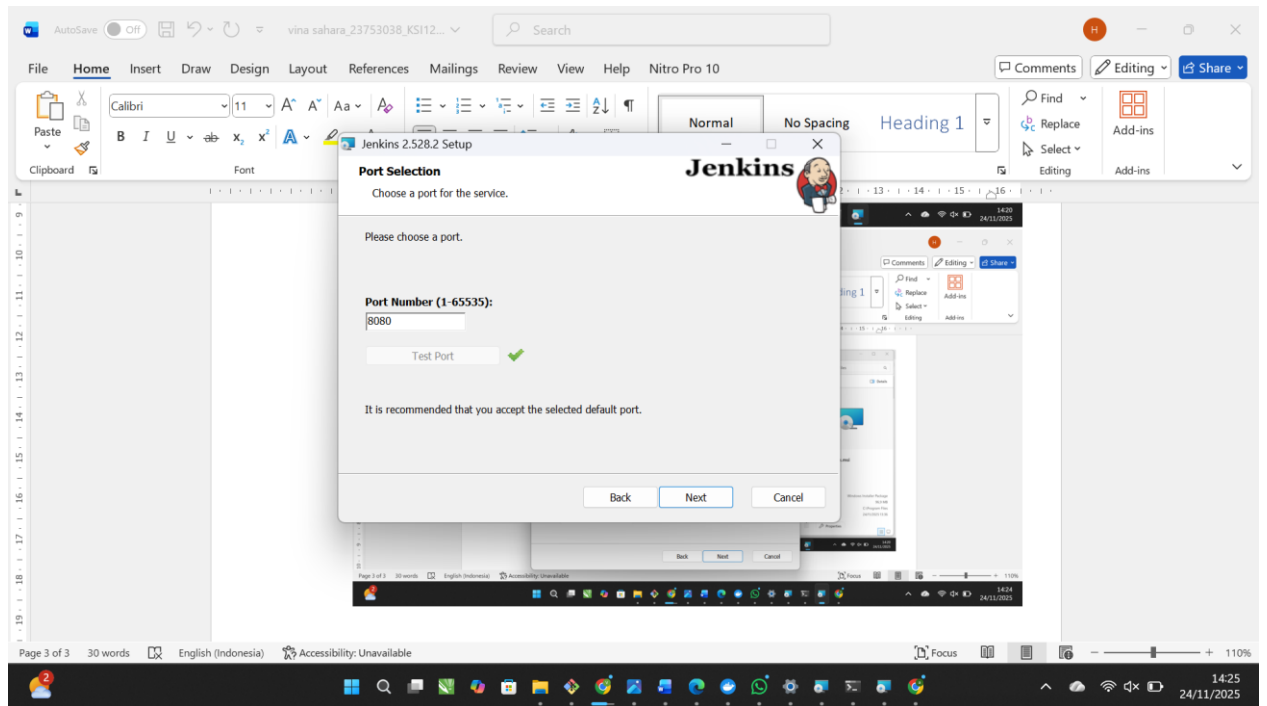
2025

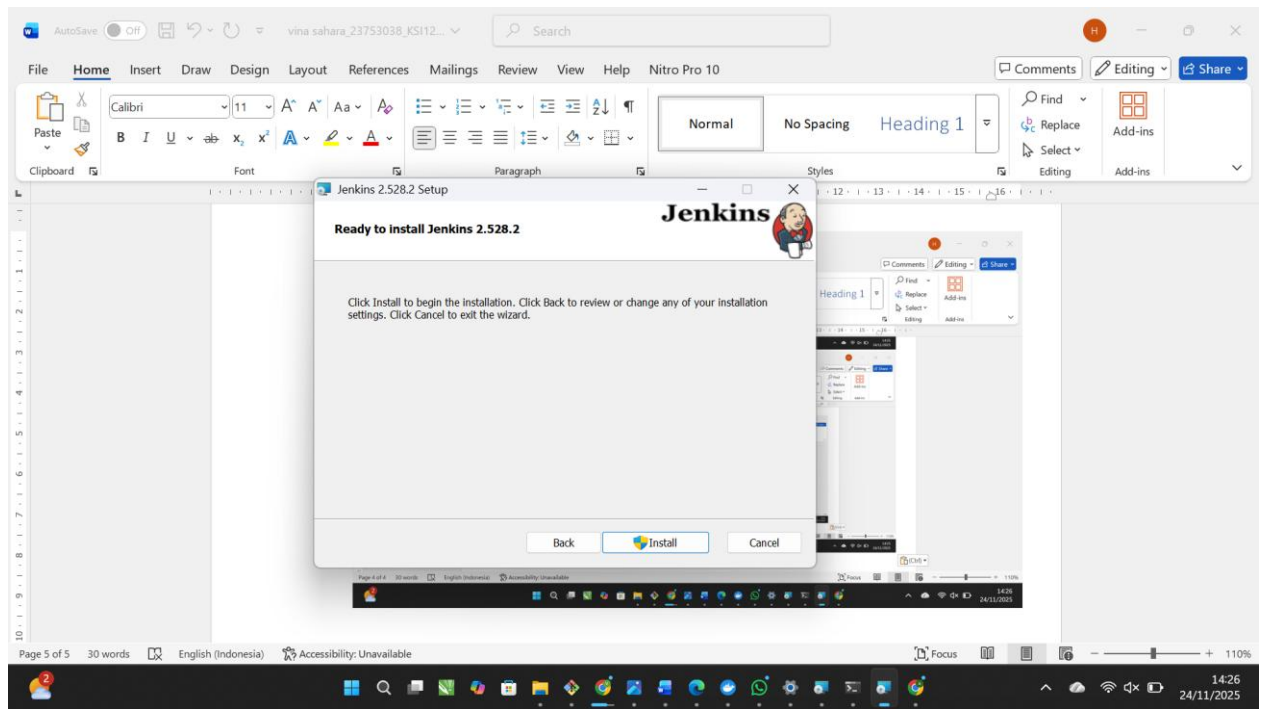
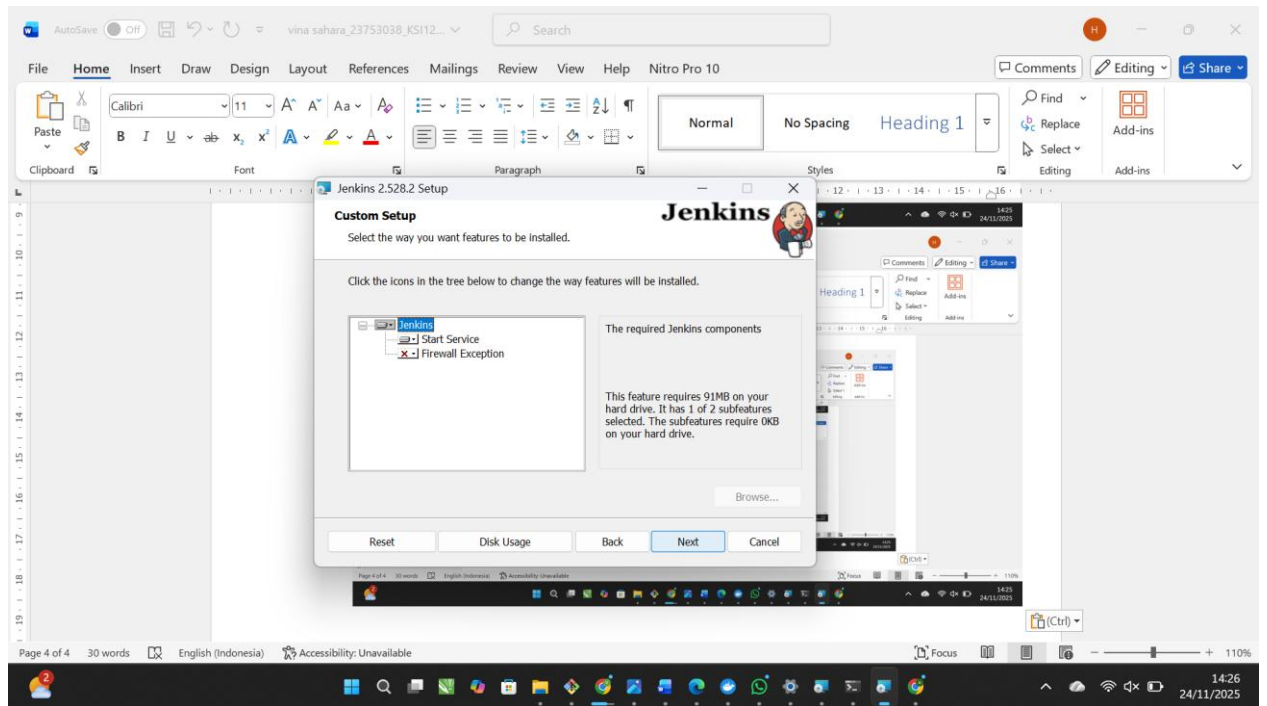
1. Install java



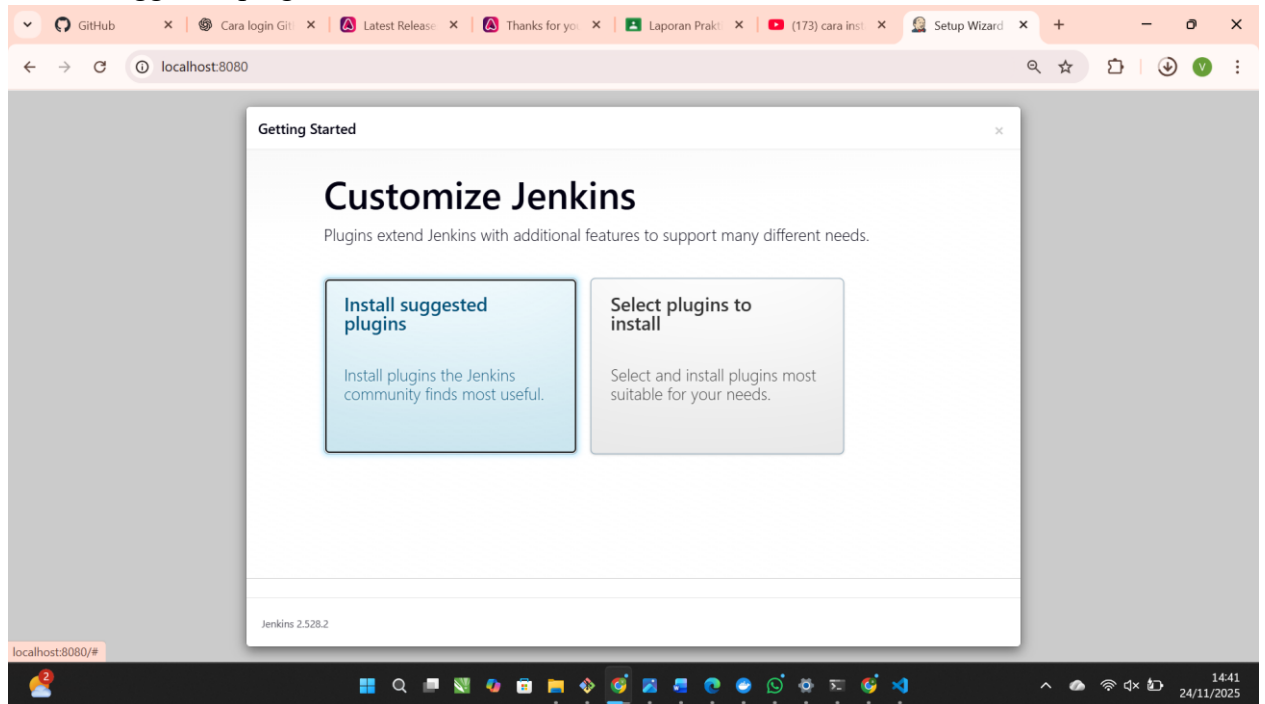
- Install jenkins



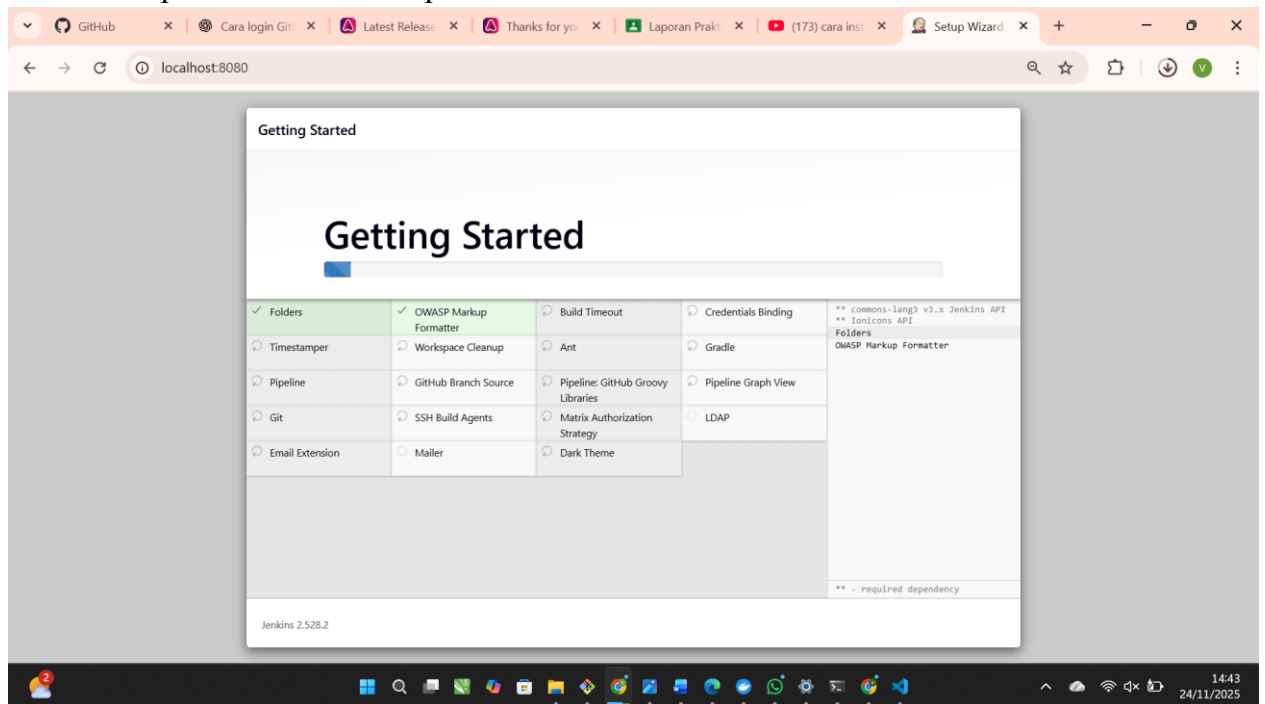




- Jika sudah selesai masuk ke localhost:8080 dan tampilan akan seperti ini. Pilih install suggested plugins



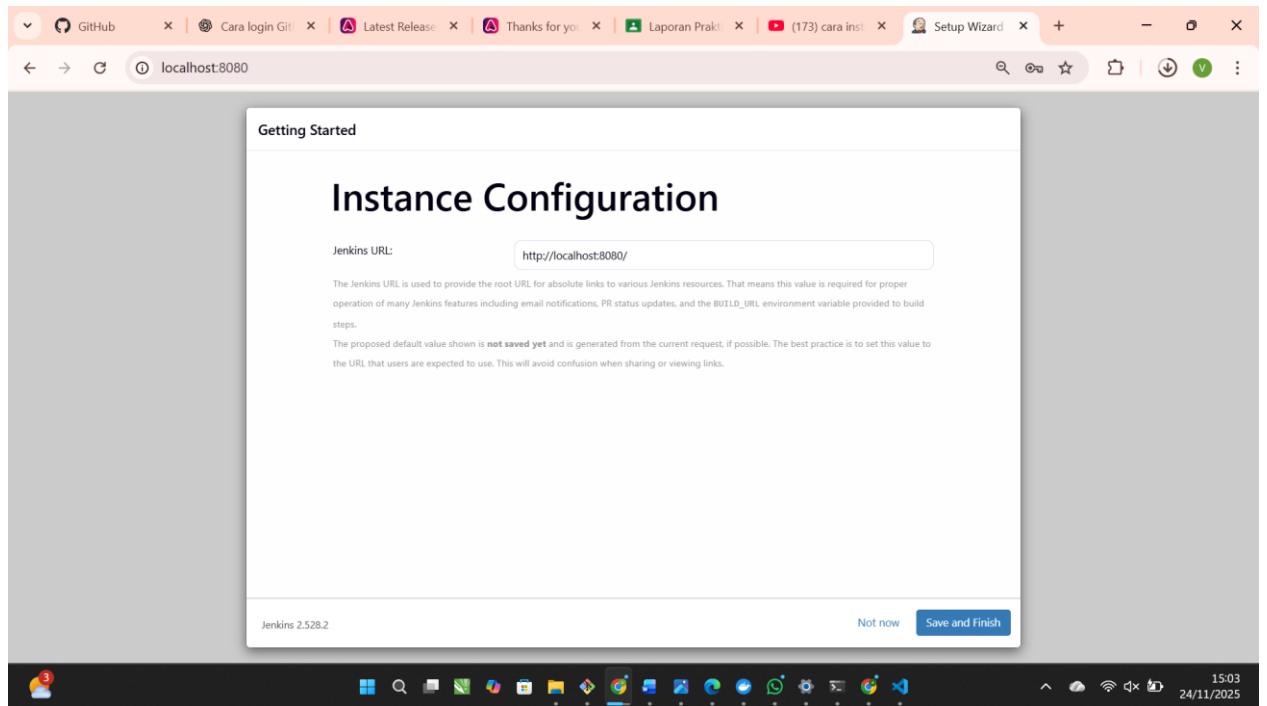
- Tampilan akan beralih seperti ini



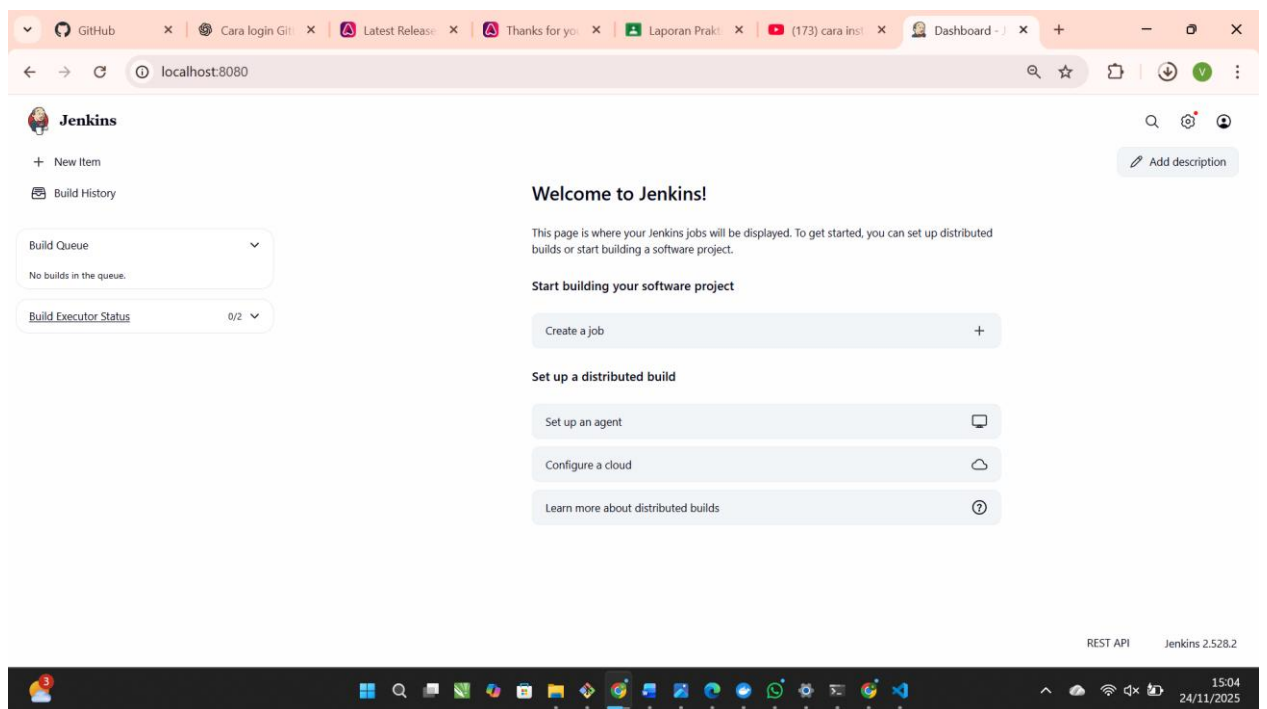
- Setelah tampilan diatas selesai maka tampilan akan muncul seperti ini kita mengisi user admin

The screenshot shows the Jenkins 'Getting Started' page with the 'Create First Admin User' form. The form has the following fields: Username, Password, Confirm password, Full name, and E-mail address. All fields are empty. At the bottom, there are two buttons: 'Skip and continue as admin' and 'Save and Continue'. The Jenkins version 2.528.2 is displayed in the bottom left corner of the form area.

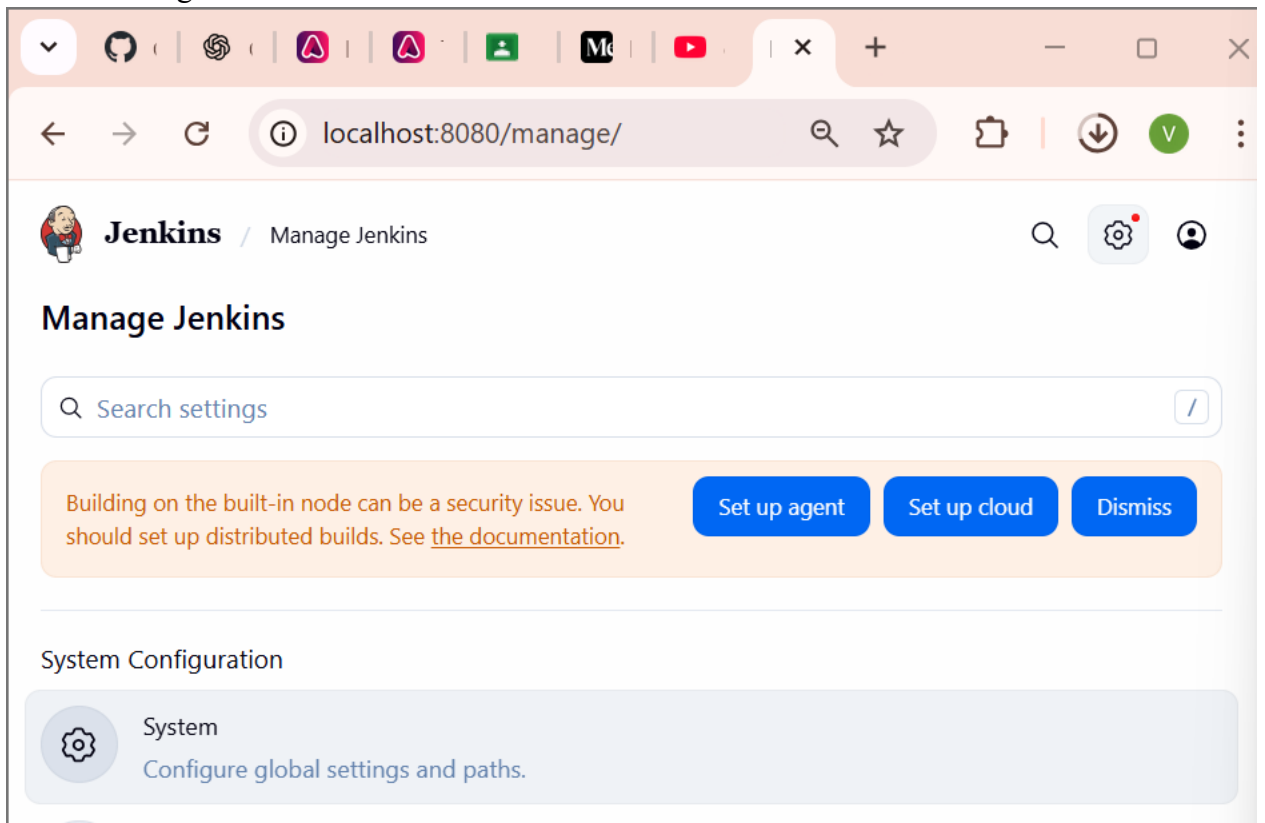
The screenshot shows the same Jenkins 'Create First Admin User' form, but now the input fields are filled with the following data: Username: vina, Password: ***** (masked), Confirm password: ***** (masked), Full name: vina sahara, and E-mail address: fnashara8@gmail.com. The 'Skip and continue as admin' and 'Save and Continue' buttons remain at the bottom. The Jenkins version 2.528.2 is still visible in the bottom left corner.



http://localhost:8080/



- Konfigurasi Jenkins dan Github



The screenshot shows the Jenkins web interface in a browser. The address bar indicates the URL is `localhost:8080/manage/`. The page title is "Jenkins / Manage Jenkins". Below the title, there is a search bar labeled "Search settings". A warning message states: "Building on the built-in node can be a security issue. You should set up distributed builds. See [the documentation](#)." Below this, there are three buttons: "Set up agent", "Set up cloud", and "Dismiss". The "System Configuration" section is visible, with a "System" link and the description "Configure global settings and paths."

- Install github integration

Name ↓	Health	Enabled	
GitHub Integration Plugin 0.7.2	87	<input checked="" type="checkbox"/>	✖
GitHub Integration Plugin for Jenkins			
GitHub plugin 1.45.0			

- Buat token

The image shows two screenshots of the GitHub website. The top screenshot is the 'github.com/settings/profile' page. It has a left sidebar with 'Integrations' (Applications, Scheduled reminders), 'Archives' (Security log, Sponsorship log), and 'Developer settings'. The main content area has a 'Location' input field, a 'Display current local time' checkbox, an 'ORCID iD' section with a 'Connect your ORCID iD' button, and an 'Update profile' button. The bottom screenshot is the 'github.com/settings/tokens' page. The left sidebar shows 'GitHub Apps', 'OAuth Apps', 'Personal access tokens' (expanded to show 'Fine-grained tokens' and 'Tokens (classic)'), and 'Developer Settings'. The main content area is titled 'Personal access tokens (classic)' and displays 'No personal access token created'. It includes a message about needing an API token for scripts or testing, a 'Generate new token' button, and a link to 'GitHub API'. A footer note explains that classic tokens function like ordinary OAuth access tokens.

github.com/settings/profile

Integrations

- Applications
- Scheduled reminders

Archives

- Security log
- Sponsorship log

<> Developer settings

Location

☐ Display current local time
Other users will see the time difference from their local time.

ORCID iD

ORCID provides a persistent identifier - an ORCID iD - that distinguishes you from other researchers. Learn more at [ORCID.org](https://orcid.org).

[Connect your ORCID iD](#)

All of the fields on this page are optional and can be deleted at any time, and by filling them out, you're giving us consent to share this data wherever your user profile appears. Please see our [privacy statement](#) to learn more about how we use this information.

[Update profile](#)

Contributions & activity

☐ Make profile private and hide activity
Enabling this will hide your contributions and activity from your GitHub profile and from social features like followers, stars, feeds, leaderboards and releases.

☐ Include private contributions on my profile
Your contribution graph, achievements, and activity overview will show your private contributions without revealing any repository or organization information. [Read more.](#)

github.com/settings/tokens

Settings / Developer Settings

GitHub Apps

OAuth Apps

Personal access tokens

- Fine-grained tokens
- Tokens (classic)

Personal access tokens (classic)

No personal access token created

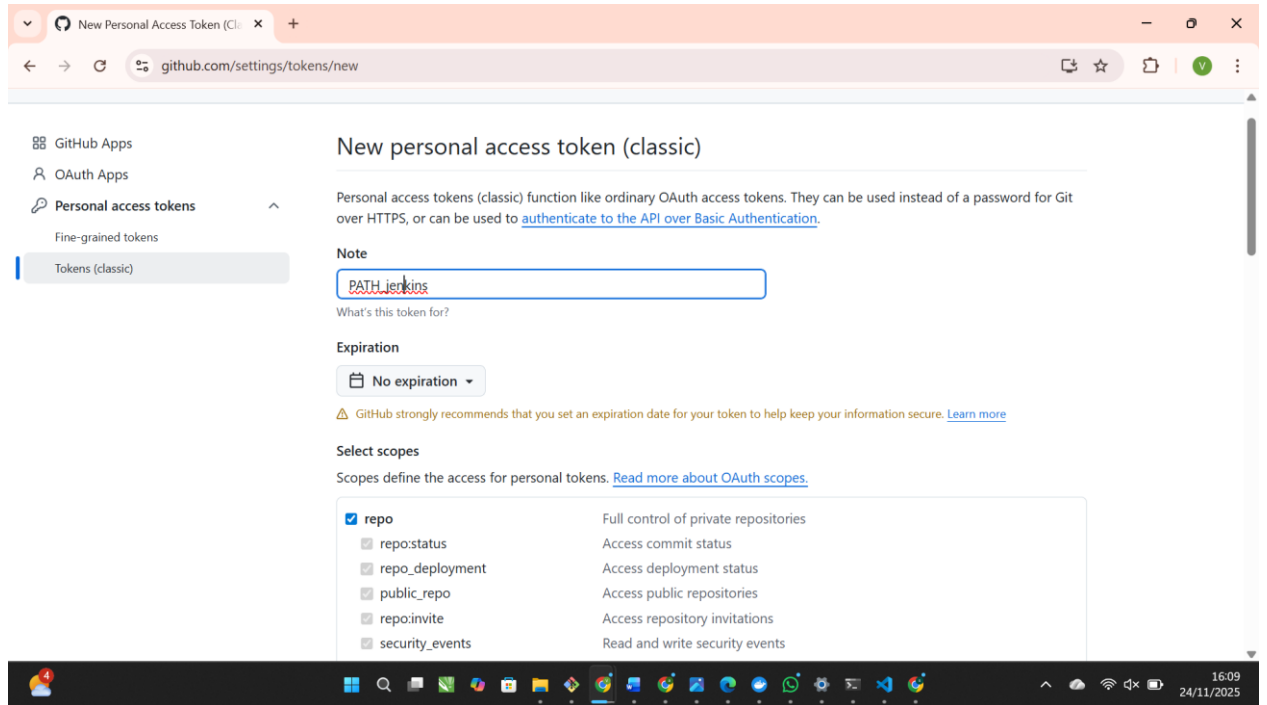
Need an API token for scripts or testing? Generate a personal access token for quick access to the GitHub API.

[Generate new token](#)

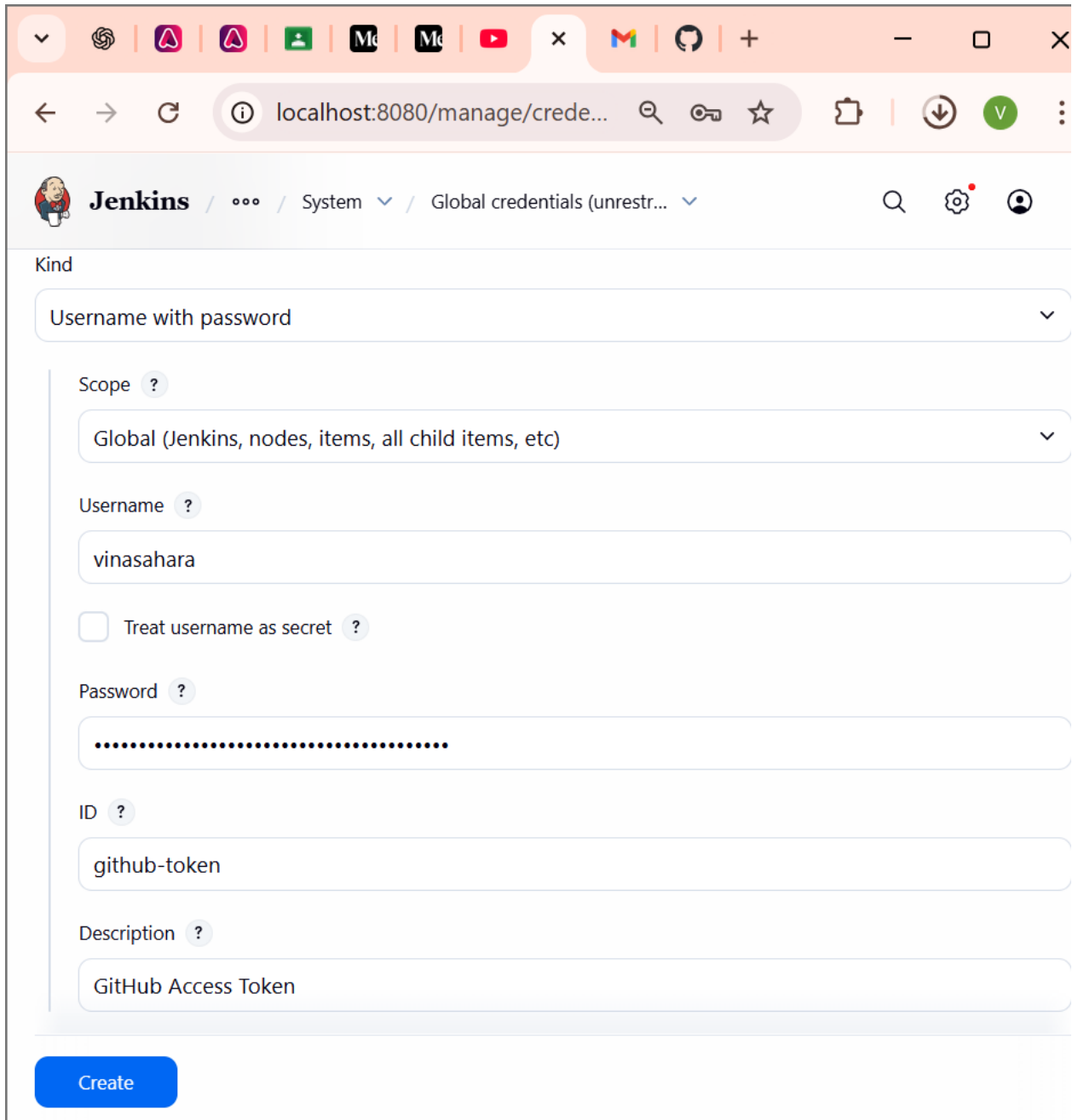
[GitHub API](#)

Personal access tokens (classic) function like ordinary OAuth access tokens. They can be used instead of a password for Git over HTTPS, or can be used to [authenticate to the API over Basic Authentication](#).

- Buat token dengan nama PATH



- masuk Global Tool Configuration

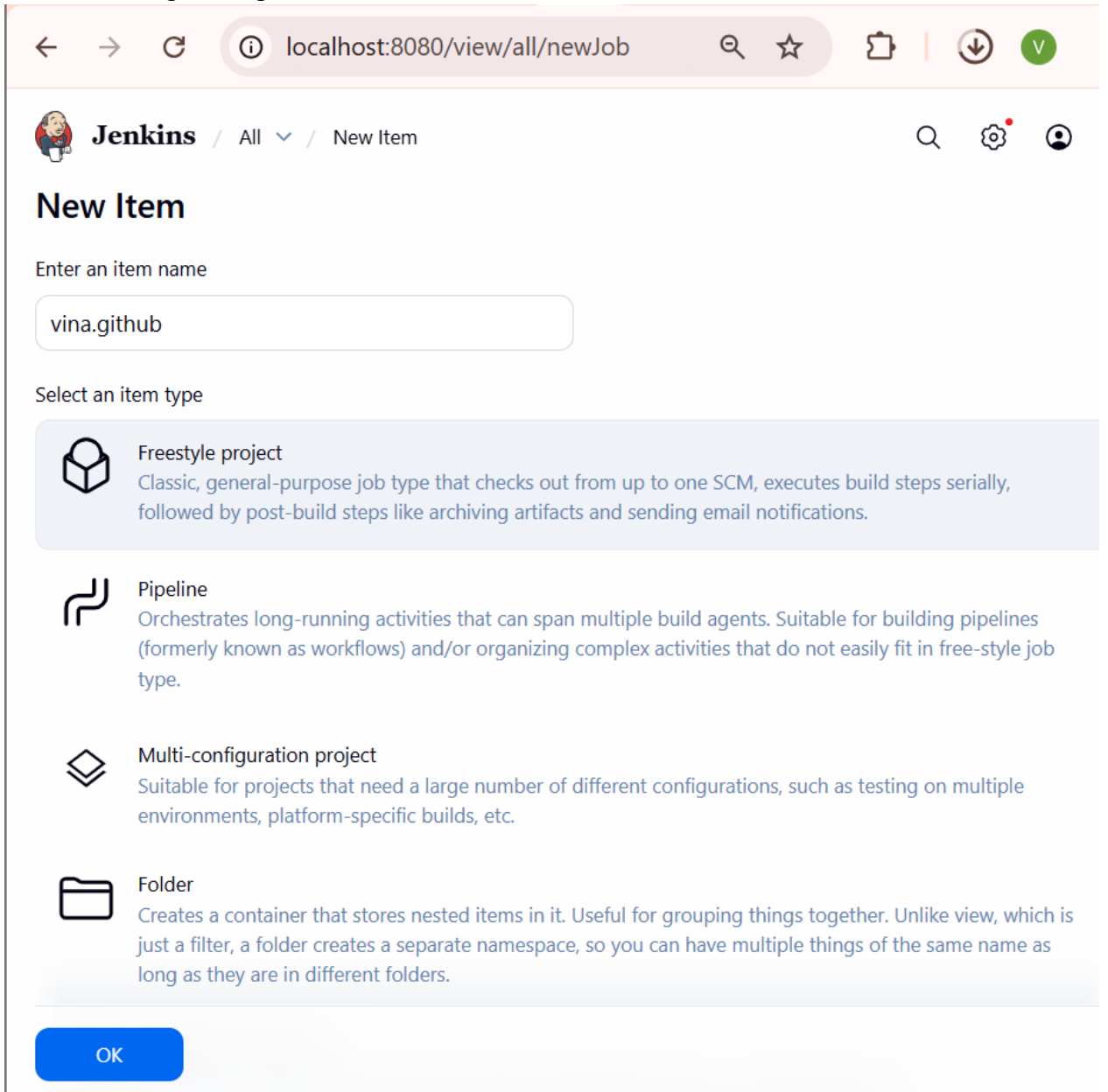


The screenshot shows a web browser window with the Jenkins interface. The address bar shows the URL `localhost:8080/manage/crede...`. The Jenkins header includes the logo, the name "Jenkins", and navigation links for "System" and "Global credentials (unrestr...)". The main content area is titled "Kind" and contains a form for creating a new credential. The form has the following fields:


- Kind:** A dropdown menu with "Username with password" selected.
- Scope:** A dropdown menu with "Global (Jenkins, nodes, items, all child items, etc)" selected.
- Username:** A text input field containing "vinasahara".
- Treat username as secret:** An unchecked checkbox.
- Password:** A text input field filled with dots.
- ID:** A text input field containing "github-token".
- Description:** A text input field containing "GitHub Access Token".

At the bottom of the form is a blue "Create" button.

- Hubungkan Repo GitHub ke Jenkins Job



- BUAT GIT DENGAN NAMA DI BAWAH INI

 **Jenkins** / vina.github ▾ / Configuration 🔍 ⚙️ 👤

☐ None

☒ **Git** ?

Repositories ?

Repository URL ? ✕

Credentials ?

▾ + Add

Advanced ▾

+ Add Repository

Branches to build ?

Branch Specifier (blank for 'any') ? ✕

Save Apply

Browser tabs: Cara | Latest | Thank | Laporan | Build | Build | (174) | vina.g | [Githi | vinas: | +

URL: localhost:8080/job/vina.github/

Jenkins / vina.github

Buttons: Status, Changes, Workspace, Build Now, Configure, Delete Project, Rename, Credentials

REST API Jenkins 2.528.2

Browser tabs: Cara | Latest | Thank | Laporan | Build | Build | (174) | vina.g | [Githi | Mano | +

URL: localhost:8080/job/vina.github/

Jenkins / vina.github


Buttons: Status, Changes, Workspace, Build Now, Configure, Delete Project, Rename, Credentials

REST API Jenkins 2.528.2

Cara I x Latest x Thank x Lapo x Build x Build x (174) x Work x [Gith x Mana x +

localhost:8080/job/vina.github/ws/

search star share download

 Jenkins

vina.github v

Workspace of vina.github ...

Status

Changes

Workspace

Wipe Out Current Workspace

Build Now

Configure

Delete Project

Rename

Credentials

Builds

Filter

Today

#1 16:28

Workspace of vina.github on Built-In Node

vina.github /

git

index.php	24 Nov 2025 16:28:39	11.68 KiB	🔗
koneksi.php	24 Nov 2025 16:28:39	314 B	🔗
pedoman.php	24 Nov 2025 16:28:39	15.43 KiB	🔗
pelaporan.php	24 Nov 2025 16:28:39	6.06 KiB	🔗
README.md	24 Nov 2025 16:28:39	8 B	🔗
sidebar.php	24 Nov 2025 16:28:39	5.52 KiB	🔗

(all files in zip)

Jenkins 2.528.2

16:36

24/11/2025