

LAPORAN PROJECT PROGRESS 1 SETUP INFRASTRUKTUR DASAR

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A. Repository GitHub

Seluruh source code dan dokumentasi proyek ini disimpan pada repository berikut

URL Repository : <https://github.com/Muhammad-Farhan12/project-rag-n8n>

B. Daftar Tools & Enviroement

Berikut adalah daftar tools yang telah berhasil diinstal dan dikonfigurasi pada local enviroement,

1. Node.js & npm

- Versi Node: v24.11.1
- Versi npm: 11.6.2
- Fungsi: Sebagai *runtime environment* utama untuk menjalankan aplikasi.

2. n8n (Workflow Automation)

- Status: Terinstal via npm dan berjalan di `localhost:5678`.
- Fungsi: Platform orkestrasi workflow utama untuk RAG.

3. Docker

- Versi: 28.4.0 (build d8eb465)
- Status: Engine Running
- Fungsi: Menjalankan layanan kontainer (seperti database vektor nanti).

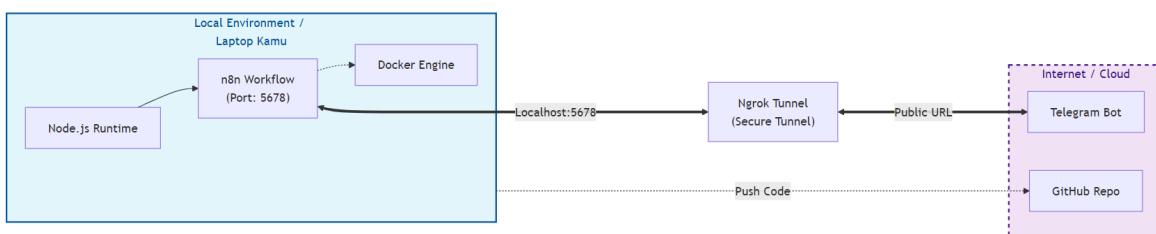
4. Ngrok

- Status: Authtoken terkonfigurasi
- Fungsi: *Tunneling* untuk mengekspos localhost ke internet agar dapat diakses oleh Webhook Telegram.

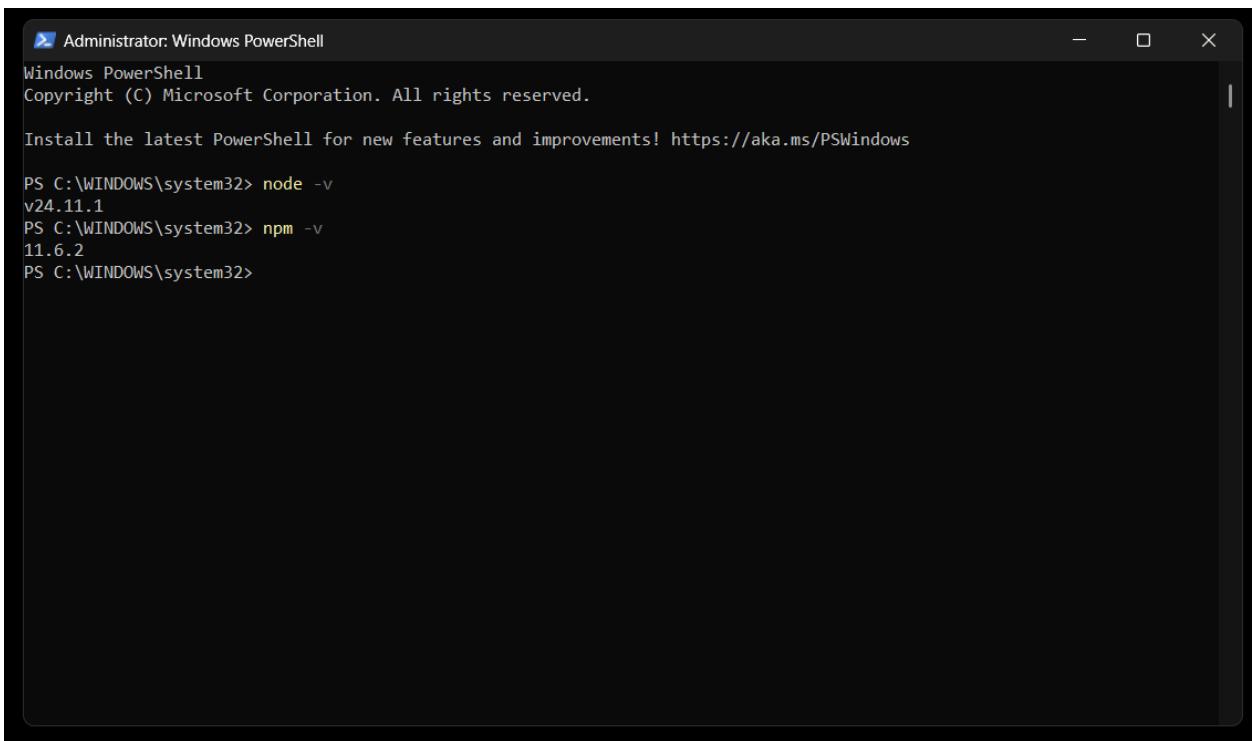
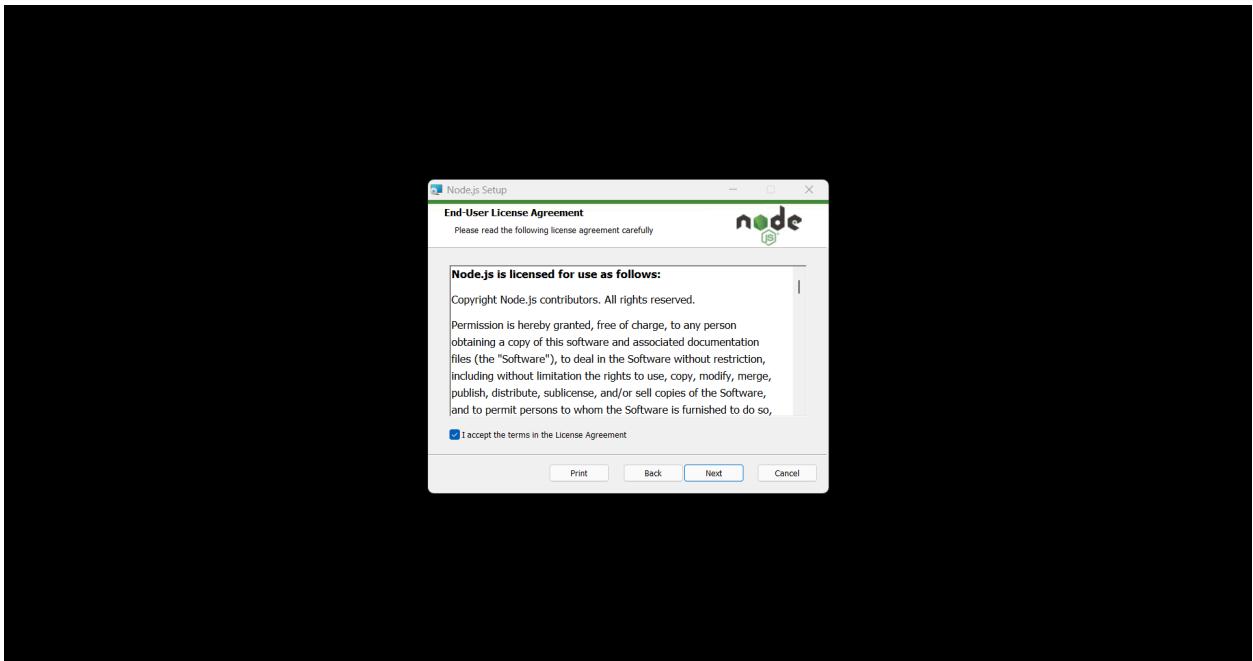
5. Git

- Status: Terinstal dan terhubung ke GitHub.

C. Diagram



D. Bukti Instalasi



```
Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\WINDOWS\system32> node -v
v24.11.1
PS C:\WINDOWS\system32> npm -v
11.6.2
PS C:\WINDOWS\system32>
```

```
Administrator: Windows PowerShell
npm warn deprecated glob@7.2.3: Glob versions prior to v9 are no longer supported
npm warn deprecated mailsplit@5.4.0: This package has been renamed to @zone-eu/mailsplit. Please update your dependency |
s.
npm warn deprecated gm@1.25.1: The gm module has been sunset. Please migrate to an alternative. https://github.com/acheck
mann/gm?tab=readme-ov-file#2025-02-24-this-project-is-not-maintained
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npm warn deprecated glob@7.2.3: Glob versions prior to v9 are no longer supported
npm warn deprecated lodash.get@4.4.2: This package is deprecated. Use the optional chaining (?) operator instead.
npm warn deprecated @aws-sdk/signature-v4@3.374.0: This package has moved to @smithy/signature-v4
npm warn deprecated @aws-sdk/protocol-http@3.374.0: This package has moved to @smithy/protocol-http
npm warn deprecated rimraf@2.6.3: Rimraf versions prior to v4 are no longer supported
npm warn deprecated glob@7.2.3: Glob versions prior to v9 are no longer supported
npm warn deprecated glob@7.2.3: Glob versions prior to v9 are no longer supported
npm warn deprecated glob@7.2.3: Glob versions prior to v9 are no longer supported
npm warn deprecated infisical-node@1.3.0: Package no longer supported. Contact Support at https://www.npmjs.com/support
for more info.

added 1960 packages in 8m

238 packages are looking for funding
  run `npm fund` for details
npm notice
npm notice New patch version of npm available! 11.6.2 -> 11.6.4
npm notice Changelog: https://github.com/npm/cli/releases/tag/v11.6.4
npm notice To update run: npm install -g npm@11.6.4
npm notice
PS C:\WINDOWS\system32>
PS C:\WINDOWS\system32> ■
```

```
Administrator: Windows PowerShell
s.
npm warn deprecated gm@1.25.1: The gm module has been sunset. Please migrate to an alternative. https://github.com/acheck
mann/gm?tab=readme-ov-file#2025-02-24-this-project-is-not-maintained
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npm warn deprecated @aws-sdk/protocol-http@3.374.0: This package has moved to @smithy/protocol-http
npm warn deprecated rimraf@2.6.3: Rimraf versions prior to v4 are no longer supported
npm warn deprecated glob@7.2.3: Glob versions prior to v9 are no longer supported
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npm notice Changelog: https://github.com/npm/cli/releases/tag/v11.6.4
npm notice To update run: npm install -g npm@11.6.4
npm notice
PS C:\WINDOWS\system32>
PS C:\WINDOWS\system32> docker --version
Docker version 28.4.0, build d8eb465
PS C:\WINDOWS\system32> ■
```

```
Administrator: C:\Program Files\WindowsApps\ngrok.ngrok_3.24.0.0_x64_1g87z0zv29zzc\ngrok.exe
# forward http traffic from assigned public URL to local port 80
ngrok http 80
# port 8080 available at baz.ngrok.dev
ngrok http --url baz.ngrok.dev 8080
# tunnel arbitrary TCP traffic to port 22
ngrok tcp 22
# secure your app with oauth
ngrok http 80 --oauth=google --oauth-allow-email=foo@foo.com

Paid Features:
  ngrok http 80 --url mydomain.com                               # run ngrok with your own custom domain
  ngrok http 80 --cidr-allow 2600:8c00::a03c:91ee:fe69:9695/32   # run ngrok with IP policy restrictions
  Upgrade your account at https://dashboard.ngrok.com/billing/subscription to access paid features

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Flags:
  -h, --help      help for ngrok

Use "ngrok [command] --help" for more information about a command.

ngrok is a command line application, try typing 'ngrok.exe http 80'
at this terminal prompt to expose port 80.
C:\Windows\System32>ngrok config add-authtoken 360fzgbB2yh3fksoah4Pp7FuvuW_5ve3eroHri3GNbusbHLho
Authtoken saved to configuration file: C:\Users\LENOVO\AppData\Local/ngrok/ngrok.yml

C:\Windows\System32>ngrok config add-authtoken 360fzgbB2yh3fksoah4Pp7FuvuW_5ve3eroHri3GNbusbHLho
Authtoken saved to configuration file: C:\Users\LENOVO\AppData\Local/ngrok/ngrok.yml

C:\Windows\System32>
```