

# Menghubungkan Repository Lokal dengan Remote

## 1. Inisialisasi Repository Lokal:

```
git init
```

```
LENOVO@Rhnn-25JP MINGW64 ~/github/organization/xi-rpl-1/Test-Git
$ git init
Initialized empty Git repository in C:/Users/LENOVO/github/organization/xi-rpl-1/Test-Git/.git/
```

## 2. Tambahkan Remote:

```
git remote add origin https://github.com/username/repository.git
```

```
LENOVO@Rhnn-25JP MINGW64 /d/dev
$ git remote add origin https://github.com/xi-rpl-1/Best-Practices-Github.git|
```

# Remote

## Menambahkan Remote Baru

### 1. Tambahkan Remote Baru:

```
git remote add <remote_name> <remote_url>
```

contoh:

```
LENOVO@Rhnn-25JP MINGW64 /d/dev
$ git remote add origin https://github.com/xi-rpl-1/Best-Practices-Github.git|
```

## 2. Verifikasi Remote:

```
git remote -v
```

```
LENOVO@Rhnn-25JP MINGW64 ~/github/organization/xi-rpl-1/Test-Git (main)
$ git remote -v
origin  https://github.com/xi-rpl-1/Catatan-Github.git (fetch)
origin  https://github.com/xi-rpl-1/Catatan-Github.git (push)
origin-2      https://github.com/xi-rpl-1/Best-Practices-Github.git (fetch)
origin-2      https://github.com/xi-rpl-1/Best-Practices-Github.git (push)
```

# Mengubah URL Remote

## 1. Mengubah URL:

```
git remote set-url <remote_name> <new_remote_url>
```

contoh:

```
LENOVO@Rhnn-25JP MINGW64 /d/dev
$ git remote set-url origin https://github.com/xi-rpl-1/Best-Practices-Github.git|
```

# Push

## Mengirim Perubahan ke Remote

### 1. Cek Perubahan:

```
git status
```

```
LENOVO@Rhnn-25JP MINGW64 ~/github/organization/xi-rpl-1/Test-Git (main)
$ git status
On branch main

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    Belajar.md

nothing added to commit but untracked files present (use "git add" to track)
```

## 2. Staging Perubahan:

```
git add .
```

```
LENOVO@Rhnn-25JP MINGW64 ~/github/organization/xi-rpl-1/Test-Git (main)
$ git add .

LENOVO@Rhnn-25JP MINGW64 ~/github/organization/xi-rpl-1/Test-Git (main)
$ git status
On branch main

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
    new file:   Belajar.md
```

## 3. Commit Perubahan:

```
git commit -m "Deskripsi perubahan"
```

```
LENOVO@Rhnn-25JP MINGW64 ~/github/organization/xi-rpl-1/Test-Git (main)
$ git commit -m "feat: tambahkan materi"
[main (root-commit) ffe7a0f] feat: tambahkan materi
 1 file changed, 1 insertion(+)
 create mode 100644 Belajar.md
```

## 4. Push ke Remote:

```
git push origin main
```

```
LENOVO@Rhnn-25JP MINGW64 ~/github/organization/xi-rpl-1/Test-Git (main)
$ git push origin main
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 232 bytes | 232.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/xi-rpl-1/Catatan-Github.git
 * [new branch]      main → main
```

# Pull

## Mengambil Perubahan dari Remote

### 1. Pull dari Remote:

```
git pull origin main
```

```
LENOVO@Rhnn-25JP MINGW64 ~/github/organization/xi-rpl-1/Test-Git (main)
$ git pull origin main
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 911 bytes | 91.00 KiB/s, done.
From https://github.com/xi-rpl-1/Catatan-Github
 * branch            main      → FETCH_HEAD
   ffe7a0f..6445809  main      → origin/main
Updating ffe7a0f..6445809
Fast-forward
  Belajar.md | 1 +
  1 file changed, 1 insertion(+)
```