

## **LAPORAN PENGGUNAAN WEBSITE GITHUB**

Diajukan sebagai tugas, Mata Kuliah Teknologi Open Source yang diampu oleh Bapak  
**Dr. Mohammad Syafri Tuloli, ST., MT**



Disusun:  
Nurfentris S Dikum (531421008)

**PROGRAM STUDI SISTEM INFORMASI  
JURUSAN TEKNIK INFORMATIKA  
FAKULTAS TEKNIK  
UNIVERSITAS NEGERI GORONTALO  
2023**

## **KATA PENGANTAR**

Segala Puji bagi Allah SWT yang telah melimpahkan rahmat dan hidayahnya sehingga saya bisa menulis dan menyususun laporan berdasarkan mata kuliah Teknologi Open Source, yang berjudul “Penggunaan Website Github”

Laporan ini dibuat sebagai tanda penyelesaian asistensi. Mungkin dalam penyusunan laporan ini, masih banyak terdapat kekurangan yang penulis tidak sadari. Oleh karena itu, penulis memohon maaf atas segala kekurangan yang ada dalam laporan ini, dan mengharapkan kritik dan saran yang membangun sebagai pembelajaran selanjutnya.

Akhir kata, penulis mengucapkan terima kasih. Semoga makalah ini dapat bermaanfaat bagi kita.

Gorontalo, Desember 2023

Penulis

## **BAB 1**

### **LANDASAN TEORI**

#### **1.1 Apa Itu GIT Dan GITHUB**

##### a. Git

Git adalah sebuah sistem kontrol versi yang digunakan untuk melacak perubahan dalam kode sumber saat pengembangan perangkat lunak. Ini memungkinkan banyak pengembang bekerja pada proyek yang sama secara bersamaan. Git mencatat setiap perubahan yang dibuat pada kode sehingga pengembang dapat melihat riwayat perubahan, kapan perubahan itu terjadi, dan siapa yang melakukan perubahan tersebut.

##### b. Github

GitHub adalah platform hosting yang menggunakan Git di belakang layar. Ini memungkinkan pengembang untuk menyimpan repositori Git secara online dan berkolaborasi dengan orang lain. GitHub menyediakan alat manajemen proyek, pelacakan isu, serta fitur kolaborasi seperti permintaan tarik (pull request) yang memudahkan pengembang untuk meninjau, mengomentari, dan menggabungkan perubahan kode dari kontributor lain ke dalam proyek.

Jadi, secara singkat, Git adalah sistem kontrol versi yang digunakan untuk melacak perubahan dalam kode, sementara GitHub adalah platform hosting yang memungkinkan kolaborasi dan manajemen proyek menggunakan Git.

#### **1.2 Bekerja dengan Github**

##### a. Membuat Akun GitHub

Buka situs web GitHub (<https://github.com/>) dan buat akun jika Anda belum memiliki satu.

##### b. Membuat Repositori

- Setelah masuk, Anda dapat membuat repositori baru dengan mengeklik tombol "New" di sudut kanan atas halaman utama GitHub.
- Beri nama repositori, pilih opsi pengaturan (publik atau pribadi), dan tambahkan deskripsi jika diperlukan.

##### c. Clone Repositori ke Komputer Lokal

Untuk mulai bekerja di komputer lokal Anda, clone (salin) repositori yang baru saja Anda buat ke komputer Anda menggunakan perintah Git di terminal atau melalui aplikasi GitHub Desktop.

d. Tambahkan Perubahan

- Edit atau tambahkan file ke repositori lokal Anda.
- Setelah Anda membuat perubahan, gunakan perintah Git untuk menambahkan perubahan tersebut ke daftar yang akan di-commit.

e. Commit Perubahan

Lakukan commit (mengabadikan) perubahan yang sudah ditambahkan. Setiap commit sebaiknya memiliki pesan yang deskriptif tentang perubahan yang dilakukan.

f. Push ke Repositori di GitHub

Setelah commit lokal, Anda dapat mendorong (push) perubahan tersebut ke repositori di GitHub menggunakan perintah Git. Ini akan memperbarui repositori online dengan perubahan yang telah Anda lakukan.

g. Kolaborasi dan Pull Request

Jika Anda bekerja dalam tim, Anda dapat berkolaborasi dengan anggota tim lainnya. Anda bisa melakukan ini dengan menyarankan perubahan melalui pull request. Pengguna lain dapat meninjau, memberikan umpan balik, dan menggabungkan (merge) perubahan tersebut ke dalam repositori utama.

h. Sinkronisasi dan Update

Selalu sinkronkan repositori lokal Anda dengan repositori GitHub untuk memastikan Anda bekerja pada versi yang terbaru dari proyek.

### 1.3 Branching di Github

Branching di GitHub (dan Git secara umum) mengacu pada proses membuat cabang (branch) baru dari kode sumber utama (biasanya disebut sebagai "master" atau "main") untuk mengembangkan fitur baru, memperbaiki bug, atau melakukan perubahan tanpa memengaruhi kode di branch utama.

Berikut adalah beberapa konsep dasar tentang branching di GitHub:

➤ Membuat Branch:

- Anda dapat membuat branch baru dari branch utama (biasanya "master" atau "main") di GitHub.
- Pergi ke repositori di GitHub, pilih opsi untuk membuat branch baru, dan beri nama branch yang sesuai dengan fitur atau perbaikan yang akan Anda kerjakan.

- Bekerja di Branch:
  - Setelah membuat branch, Anda dapat melakukan pekerjaan Anda di branch tersebut tanpa memengaruhi kode di branch utama.
  - Lakukan commit dan push perubahan Anda ke branch tersebut.
- Pull Request:
  - Setelah selesai dengan perubahan Anda di branch, Anda dapat membuat pull request ke branch utama (misalnya, master atau main) di repositori.
  - Pull request adalah permintaan untuk menggabungkan perubahan yang ada di branch Anda ke dalam branch utama. Ini memungkinkan tim untuk meninjau perubahan Anda sebelum digabungkan ke kode sumber utama.
- Review dan Merge:
  - Tim atau rekan kerja Anda dapat meninjau pull request Anda, memberikan komentar, dan melakukan perubahan jika diperlukan.
  - Setelah direview, jika perubahan sudah siap, pull request dapat digabungkan (merge) ke branch utama, menggabungkan perubahan Anda dengan kode sumber utama.
- Manajemen Branch:
  - Setelah pull request digabungkan, Anda dapat menghapus branch yang sudah tidak diperlukan lagi untuk membersihkan repositori.

## 1.4 Fork di Github

Forking adalah proses di GitHub yang memungkinkan Anda untuk menyalin repositori milik orang lain ke akun GitHub pribadi Anda. Ini memberikan salinan yang terpisah dari repositori asli yang bisa Anda modifikasi tanpa mempengaruhi repositori aslinya. Forking sering digunakan untuk:

- ❖ Berpartisipasi dalam Proyek Terbuka:
  - Jika Anda ingin berkontribusi pada proyek open source, Anda dapat melakukan fork dari repositori proyek tersebut ke akun GitHub Anda.
  - Fork memungkinkan Anda untuk bekerja pada proyek tanpa izin langsung ke repositori utama.
- ❖ Membuat Salinan Tersendiri:
  - Anda dapat melakukan fork untuk membuat salinan dari proyek yang ingin Anda gunakan sebagai dasar untuk proyek Anda sendiri.

- Setelah melakukan fork, Anda memiliki repositori terpisah yang dapat dimodifikasi sesuai kebutuhan Anda.
- ❖ Mengirimkan Perubahan melalui Pull Request:
  - Setelah melakukan perubahan pada repositori yang telah Anda fork, Anda dapat membuat pull request untuk mengajukan perubahan Anda kepada pemilik repositori asli.
  - Pemilik repositori asli dapat meninjau perubahan Anda dan memutuskan untuk menggabungkan (merge) perubahan tersebut ke repositori asli.
- ❖ Menjaga Sinkronisasi dengan Repositori Asli:
  - Ketika repositori asli telah mengalami perubahan signifikan, Anda dapat mengambil (pull) perubahan tersebut ke repositori fork Anda sendiri untuk menjaga sinkronisasi dengan kode asli.

## BAB 2

### PEMBAHASAN

#### Tugas no 1

- 1) Mendaftar ke [github.com](https://github.com)
- 2) Buat proyek baru & repositori,
  - pilih opsi: publik, tersedia README
- 3) buat sebuah file baru,  
ubah file tersebut minimal dua kali (perubahannya bebas, yg mengandung penghapusan, edit, dan penambahan baris), commit pada branch master.
- 4) edit READMEnya agar lebih informatif.
- 5) Tambahkan suatu file baru, simpan sebagai branch baru.
- 6) Merge branch baru tersebut ke master branch (pull request)
- 7) confirm merge dari branch baru tadi.
- 8) hapus branch baru yg sudah digabungkan ke master branch

latihan/README.md at main · ameliaumar · GitHub

ameliaumar

Overview Repositories 4 Projects Packages Stars

You unlocked new Achievements with private contributions! Show them off by including private contributions in your Profile in settings.

Popular repositories

Customize your pins

opensource Public latihan Public

Tugas Public Forked from fentris/Tugas Hack

Tugas-Amel Public Mengerjakan tugas Teknologi Open Source

Contribution settings 2023

30 contributions in the last year

Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov

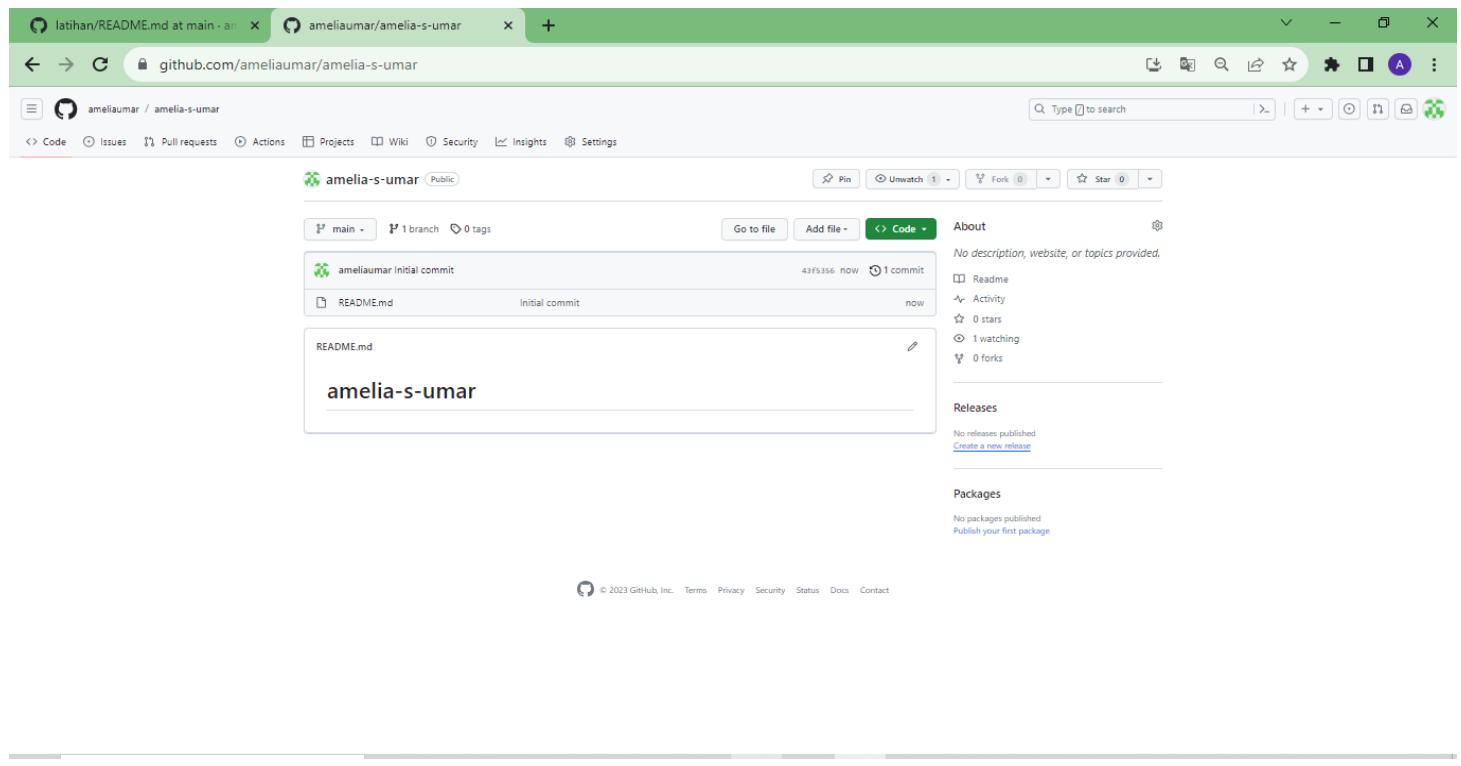
Mon Wed Fri

Learn how we count contributions

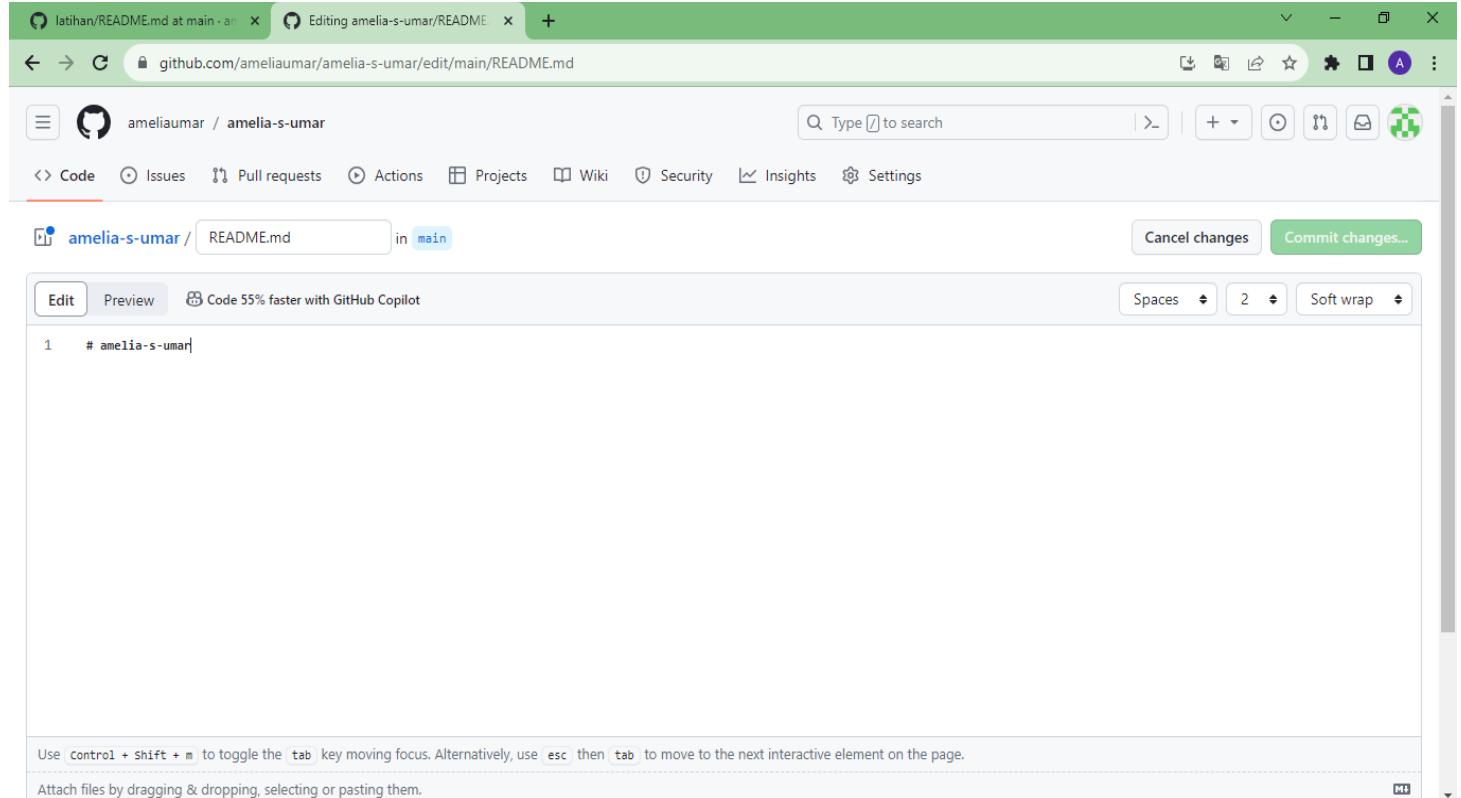
Dec More

The screenshot shows a GitHub profile page for the user `ameliaumar`. The top navigation bar includes tabs for Overview, Repositories (4), Projects, Packages, and Stars. A search bar is at the top right. A context menu is open on the right side, showing options like New repository, Import repository, New codespace, New gist, New organization, and New project. The main content area features a large circular profile picture with a green and white checkered pattern. Below it is the user's name, `ameliaumar`, and a "Edit profile" button. A message box says, "You unlocked new Achievements with private contributions! Show them off by including private contribution settings." A section for "Popular repositories" lists `opensource` (Public), `latihan` (1 commit, Public), `Tugas` (Forked from `fentris/Tugas`, Public, Hack), and `Tugas-Amel` (Mengerjakan tugas Teknologi Open Source, Public). A "Contributions" chart for 2023 shows activity in November. A link <https://github.com/new> is visible on the left.

The screenshot shows the "Create a new repository" form on GitHub. The title is "Create a new repository". It asks if the user already has a project repository elsewhere, with a link to "Import a repository". A note says, "Required fields are marked with an asterisk (\*)." The "Owner" field is set to `ameliaumar`, and the "Repository name" field is `amelia-umar`. A note says, "Your new repository will be created as `amelia-umar`. The repository name can only contain ASCII letters, digits, and the characters `.`, `-`, and `_`." Below this is a note: "Great repository names are short and memorable. Need inspiration? How about `sturdy-waffle`?" An optional "Description" field is empty. The "Visibility" section shows "Public" is selected, with the note: "Anyone on the internet can see this repository. You choose who can commit." The "Private" option is also available. The "Initialize this repository with:" section includes "Add a README file" (which is checked) and "Choose which files to track from a list of templates. Learn more about Ignoring files." The "Add .gitignore" section shows "gitignore template: None". The "Choose a license" section shows "License: None". A note says, "A license tells others what they can and can't do with your code. Learn more about licenses." The "Default branch" section notes, "This will set `main` as the default branch. Change the default name in your settings." A note at the bottom says, "You are creating a public repository in your personal account." A prominent "Create repository" button is at the bottom right.



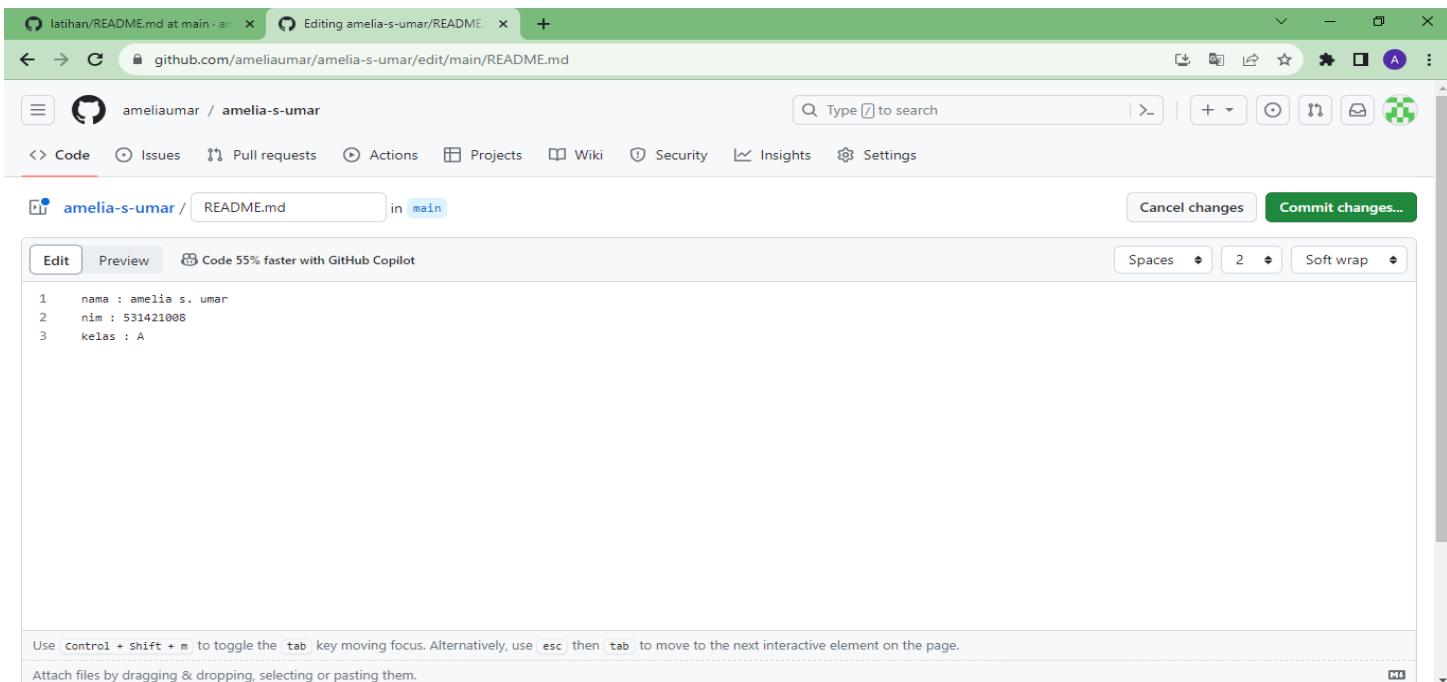
A screenshot of a GitHub repository page. The repository name is `amelia-s-umar`. The main commit is titled `Initial commit` and was made by `ameliaumar` at `now`. The commit message is `Initial commit`. The repository has 1 commit, 0 stars, 1 watching, and 0 forks. There is no description or website provided. The README file contains the text `amelia-s-umar`.



A screenshot of the GitHub code editor for the `README.md` file in the `main` branch. The file content is:

```
1 # amelia-s-umar
```

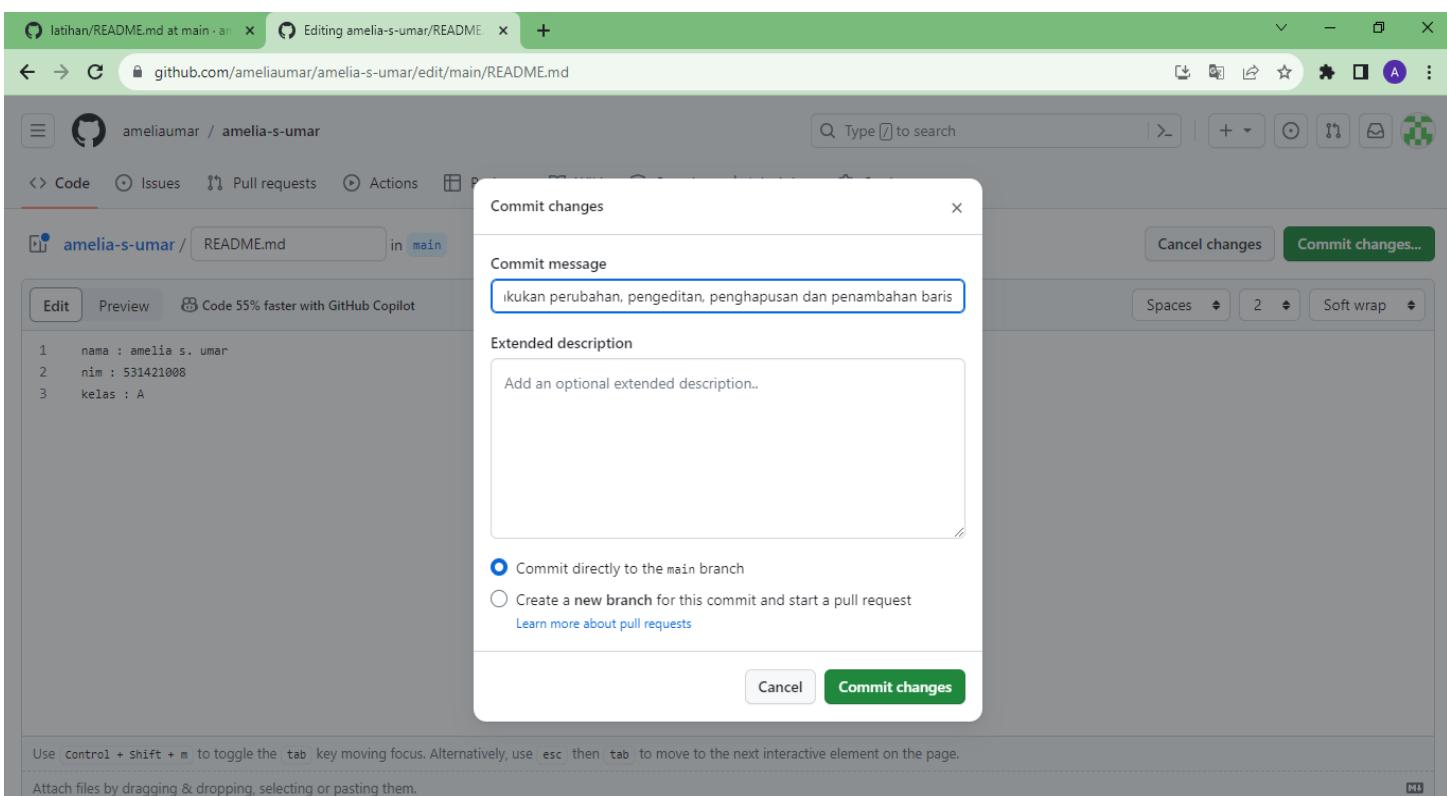
The editor includes tabs for `Edit`, `Preview`, and `Code 55% faster with GitHub Copilot`. It also shows settings for `Spaces`, `2`, and `Soft wrap`.



A screenshot of a web browser displaying a GitHub repository page. The URL in the address bar is `github.com/ameliaumar/amelia-s-umar/edit/main/README.md`. The page shows a code editor with the following content:

```
1  nama : amelia s. umar
2  nim : 531421008
3  kelas : A
```

The GitHub Copilot logo is visible in the top right corner of the editor area. Below the editor, there is a note about keyboard navigation and a section for attaching files.



A screenshot of a web browser displaying a GitHub repository page. The URL in the address bar is [github.com/ameliaumar/amelia-s-umar/blob/main/README.md](https://github.com/ameliaumar/amelia-s-umar/blob/main/README.md). The page shows the contents of the README.md file:

```
nama : amelia s. umar nim : 531421008 kelas : A
```

A screenshot of a web browser displaying a GitHub repository page. The URL in the address bar is [github.com/ameliaumar/amelia-s-umar/blob/main/README.md](https://github.com/ameliaumar/amelia-s-umar/blob/main/README.md). A modal dialog titled "Switch branches/tags" is open, showing the "main" branch selected as the default. The README.md file content is visible in the background.

<https://github.com/ameliaumar/amelia-s-umar/branches>

A screenshot of a web browser displaying the GitHub branches page for the repository 'ameliaumar/amelia-s-umar'. The URL in the address bar is `github.com/ameliaumar/amelia-s-umar/branches`. The page shows a single branch named 'main' under the 'Default branch' section. The 'Code' tab is selected in the navigation bar. A search bar at the top right contains the placeholder 'Type ⌘ to search'. Below the search bar are buttons for 'Overview', 'Yours', 'Active', 'Stale', 'All branches', and 'New branch'. The bottom of the page includes a footer with the GitHub logo and links to 'Terms', 'Privacy', 'Security', 'Status', 'Docs', and 'Contact'.

A screenshot of a web browser displaying the GitHub branches page for the repository 'ameliaumar/amelia-s-umar'. The URL in the address bar is `github.com/ameliaumar/amelia-s-umar/branches`. A modal dialog box titled 'Create a branch' is open in the center of the page. The dialog contains fields for 'New branch name' (with 'tes ke-2' typed in) and 'Source' (set to 'main'). At the bottom of the dialog are 'Cancel' and 'Create new branch' buttons. The background of the page shows the 'Default branch' section with the 'main' branch listed. The 'Code' tab is selected in the navigation bar. A search bar at the top right contains the placeholder 'Type ⌘ to search'. Below the search bar are buttons for 'Overview', 'Yours', 'Active', 'Stale', 'All branches', and 'New branch'. The bottom of the page includes a footer with the GitHub logo and links to 'Terms', 'Privacy', 'Security', 'Status', 'Docs', and 'Contact'.

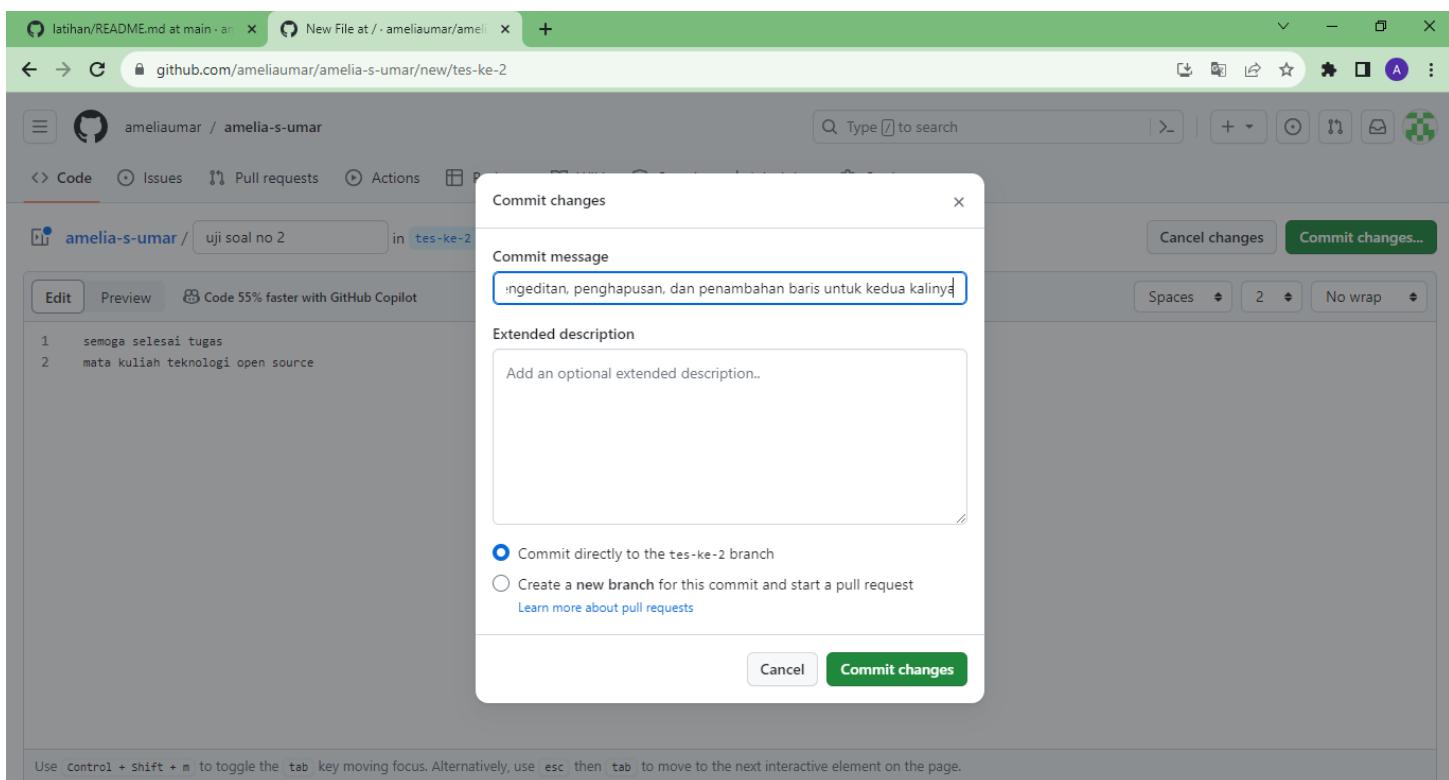
The screenshot shows the GitHub 'Branches' page for the repository 'ameliaumar/amelia-s-umar'. The 'Code' tab is selected. A search bar at the top right contains the placeholder 'Type / to search'. Below it are navigation icons and a 'New branch' button. The main content area is divided into sections: 'Default branch' (containing the 'main' branch), 'Your branches' (containing a branch named 'tes-ke-2'), and 'Active branches' (containing the same 'tes-ke-2' branch). Each branch entry includes a preview, update information, and edit/delete buttons. A prominent message in the 'Default branch' section states 'Your main branch isn't protected' with a link to learn more and a 'Protect this branch' button.

The screenshot shows the GitHub repository page for 'ameliaumar/amelia-s-umar' specifically for the 'tes-ke-2' branch. The 'Code' tab is selected. The top navigation bar includes a search bar and various repository management icons. The main content area shows the repository details: 'amelia-s-umar' (Public), 2 branches, 0 tags, and a note that the branch is up to date with 'main'. A dropdown menu over the 'Code' button offers options like 'Create new file' and 'Upload files'. On the left, a list of files shows 'README.md' with a recent commit message from 'ameliaumar' and a timestamp of '1 minute ago'. To the right, there are sections for 'About' (with a note 'No description, website, or topics provided.'), 'Releases' (with a note 'No releases published'), and 'Packages' (with a note 'No packages published').

A screenshot of a GitHub code editor interface. The top navigation bar shows tabs for 'latihan/README.md at main · ameliaumar' and 'New File at / · ameliaumar/amelia-s-umar'. The URL in the address bar is 'github.com/ameliaumar/amelia-s-umar/new/tes-ke-2'. The main header includes the user profile 'ameliaumar / amelia-s-umar', a search bar, and various navigation links like 'Code', 'Issues', 'Pull requests', 'Actions', 'Projects', 'Wiki', 'Security', 'Insights', and 'Settings'. Below the header, a search bar shows 'uji soal no 2' and 'in tes-ke-2'. A large text area displays the following code:

```
1 semoga selesai tugas
2 mata kuliah teknologi open source
```

At the bottom right of the text area are buttons for 'Cancel changes' and 'Commit changes...'. To the right of the text area are settings for 'Spaces' (set to 2), '2', and 'No wrap'. A note at the bottom says: 'Use Control + Shift + m to toggle the tab key moving focus. Alternatively, use esc then tab to move to the next interactive element on the page.'



This branch is 1 commit ahead of [main](#).

Name	Last commit message	Last commit date
README.md	melakukan perubahan, pengeditan, penghapusan dan penambahan baris un...	3 minutes ago
uji soal no 2	melakukan perubahan, pengeditan, penghapusan, dan penambahan baris un...	now

README.md

nama : amelia s. umar nim : 531421008 kelas : A

Compare & pull request

Your main branch isn't protected

Protect this branch

about

No description, website, or topics provided.

Readme

Activity

0 stars

1 watching

0 forks

Releases

No releases published

Create a new release

Packages

No packages published

Publish your first package

README.md

nama : amelia s. umar nim : 531421008 kelas : A

The screenshot shows the GitHub pull request creation interface. At the top, there are two tabs: 'latihan/README.md at main' and 'Comparing main...tes-ke-2'. The URL in the address bar is 'github.com/ameliaumar/amelia-s-umar/compare/tes-ke-2?expand=1'. Below the tabs, the repository name 'ameliaumar / amelia-s-umar' is displayed, along with navigation links for Code, Issues, Pull requests, Actions, Projects, Wiki, Security, Insights, and Settings.

The main area is titled 'Open a pull request'. It displays a message: 'Create a new pull request by comparing changes across two branches. If you need to, you can also compare across forks. Learn more about diff comparisons here.' Below this, a status bar indicates 'base: main' and 'compare: tes-ke-2', with a green checkmark and the text 'Able to merge. These branches can be automatically merged.'

The pull request form includes fields for 'Add a title' (containing 'menggabungkan') and 'Add a description' (containing '...tuk kedua kalinya'). To the right of the form are several configuration sections: 'Reviewers' (No reviews), 'Assignees' (No one—assign yourself), 'Labels' (None yet), 'Projects' (None yet), and 'Milestone' (No milestone). A sidebar on the right provides help resources and links to GitHub Community Guidelines.

This screenshot shows the same GitHub pull request creation interface as the first one, but with a key difference: the 'Add a description' field is empty, containing only the placeholder 'Add your description here...'. All other elements, including the title, base branch, compare branch, merge status, and configuration sections, remain identical to the first screenshot.

A screenshot of a GitHub pull request page. The title is "menggabungkan #1". A green button says "Open" and indicates "ameliaumar wants to merge 1 commit into main from tes-ke-2". The "Conversation" tab shows one message from "ameliaumar commented now": "No description provided." Below the conversation, a note says "melakukan perubahan, pengeditan, penghapusan, dan penambahan baris un...". To the right, there are sections for "Reviewers" (no reviews), "Assignees" (no one assigned), "Labels" (none yet), "Projects" (none yet), "Milestone" (no milestone), and "Development" (status: "Successfully merging this pull request may close these issues"). A large box at the bottom says "Checking for ability to merge automatically..." with the instruction "Hang in there while we check the branch's status." It also includes a "Merge pull request" button and a note about opening in GitHub Desktop or command line.

A screenshot of the same GitHub pull request page. The "Reviewers" section now has a link "Still in progress? Convert to draft.". The "Development" section notes "Successfully merging this pull request may close these issues." A new section titled "Approval required" lists three items: "Require approval from specific reviewers before merging" (with a note about branch protection rules), "Continuous integration has not been set up" (with a note about GitHub Actions and other apps), and "This branch has no conflicts with the base branch" (with a note about automatic merging). The "Merge pull request" button is present at the bottom.

A screenshot of a GitHub pull request page. The title is "menggabungkan #1". A green button at the top left says "Merged". The right sidebar shows "Reviewers: No reviews", "Assignees: No one—assign yourself", "Labels: None yet", "Projects: None yet", "Milestone: No milestone", and "Development: Successfully merging this pull request may close these issues. None yet".

A screenshot of a GitHub pull request page. The title is "menggabungkan #1". A green button at the top left says "Open". The right sidebar shows "Reviewers: No reviews", "Assignees: No one—assign yourself", "Labels: None yet", "Projects: None yet", "Milestone: No milestone", and "Development: Successfully merging this pull request may close these issues. None yet".

The screenshot shows a GitHub repository page for 'ameliaumar/amelia-s-umar'. The repository is public and has 2 branches and 0 tags. A merge pull request #1 from 'ameliaumar/tes-ke-2' has been merged. The commit message is 'mengalihkan perubahan, pengeditan, penghapusan dan penambahan baris'. The file 'README.md' was updated 5 minutes ago. Another file, 'uji soal no 2', was updated 1 minute ago. The repository has 0 stars, 1 watching, and 0 forks. There is no description or website provided.

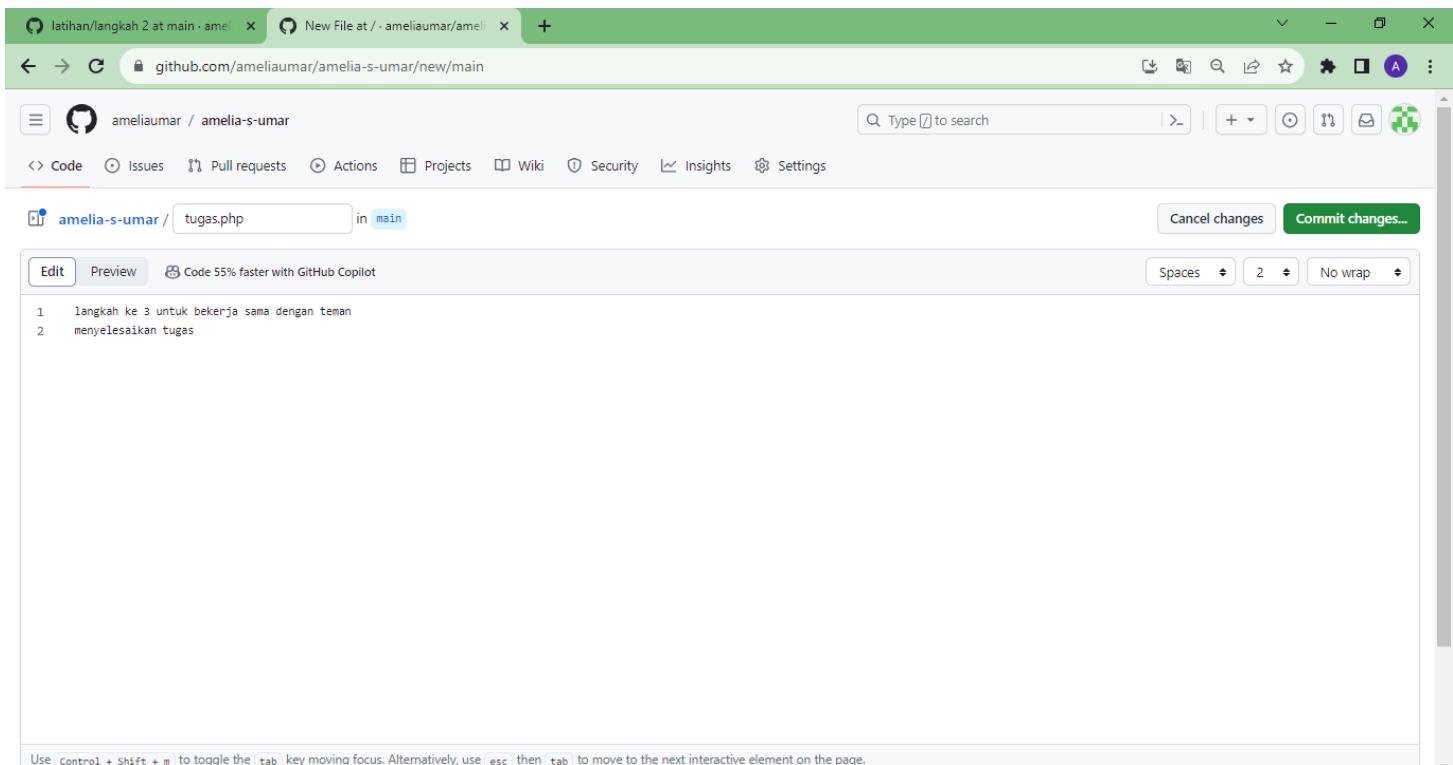
<https://github.com/ameliaumar/amelia-s-umar>

The screenshot shows the same GitHub repository page for 'ameliaumar/amelia-s-umar'. A 'Create new file' dialog is open over the repository details. The repository structure remains the same with 2 branches and 0 tags. The merge pull request #1 is still shown. The repository statistics (0 stars, 1 watching, 0 forks) and the 'About' section (no description, website, or topics provided) are also visible.

Menunggu api.github.com...

Tugas no 2

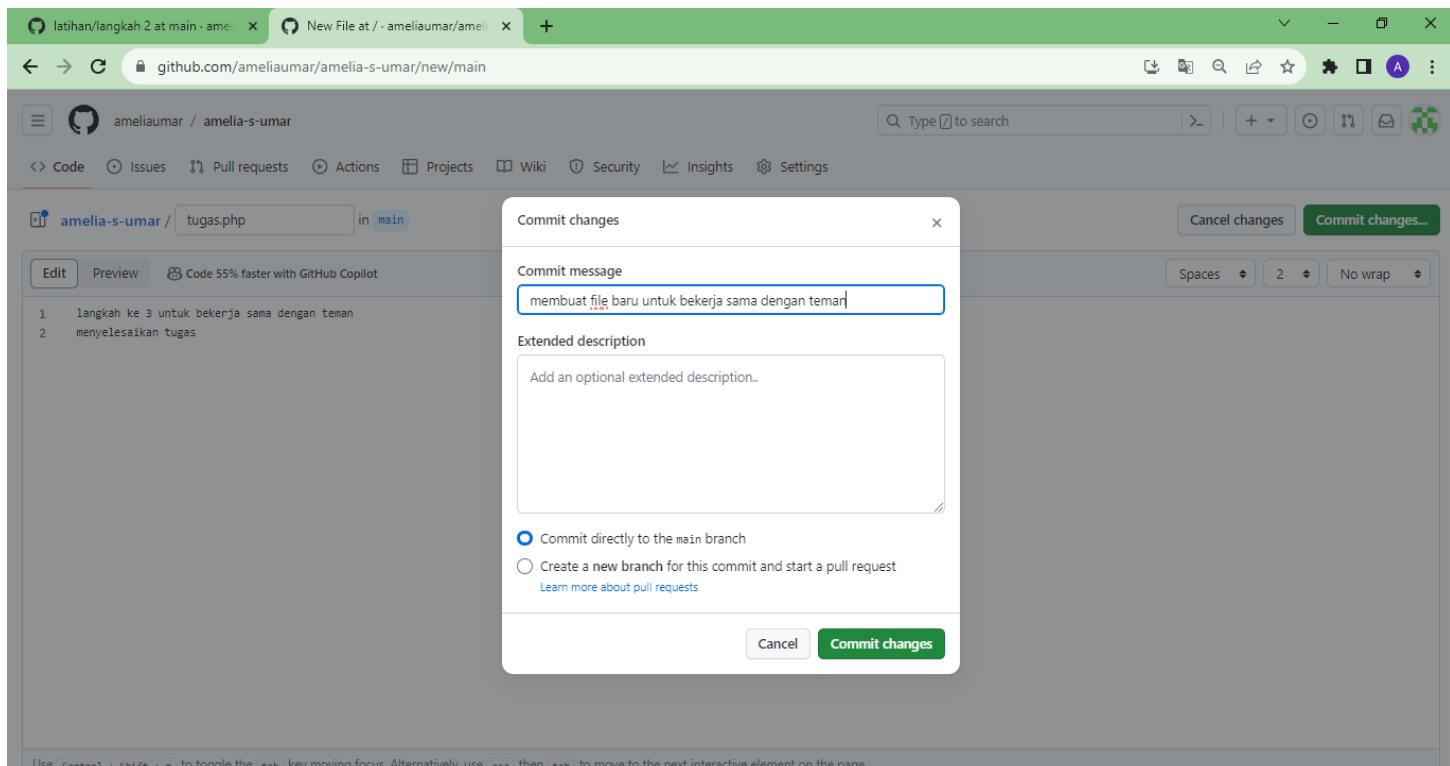
- 1) Buat sebuah file yang akan dikerjakan bersama-sama bersama orang lain, mis. tugas.php.
- 2) Komunikasi dengan dua orang teman lain yang sudah selesai TUGAS BAGIAN PERTAMA. Berikan kepada mereka URL repository anda, kemudian minta untuk melakukan fork. Dan minta teman untuk melakukan perubahan pada file yang telah dibuat (pada langkah 1).
- 3) Minta kedua teman tersebut untuk melakukan pull request, dan memberikan komentar pull request yang sesuai dengan perubahan yang telah mereka lakukan.
- 4) Sekarang anda masuk ke repository anda, branch master, lihat pull request pastikan tertulis ada dua permintaan pull request.
- 5) Terima salah satu pull request tersebut (merge branch) agar bergabung ke branch master.
- 6) Terima lagi pull request kedua, maka pasti ada konflik, selesaikan konflik tersebut sehingga merge bisa dilakukan. Hasil Insight -> network akan menunjukkan seperti pada gambar 1.



The screenshot shows a GitHub code editor interface. At the top, there are tabs for 'latihan/langkah 2 at main · amelia' and 'New File at / · ameliaumar/amelia'. Below the tabs is a navigation bar with icons for back, forward, search, and other GitHub features. The main header displays the repository name 'ameliaumar / amelia-s-umar' and various navigation links like Code, Issues, Pull requests, Actions, Projects, Wiki, Security, Insights, and Settings. A search bar with placeholder text 'Type ⌘ to search' is located above the code editor area. The code editor itself has a toolbar with 'Edit', 'Preview', and a GitHub Copilot integration button. It also includes settings for 'Spaces', '2', and 'No wrap'. The code area contains the following text:

```
1 langkah ke 3 untuk bekerja sama dengan teman
2 menyelesaikan tugas
```

A small note at the bottom of the code editor says: 'Use Control + Shift + m to toggle the tab key moving focus. Alternatively, use esc then tab to move to the next interactive element on the page.'



A screenshot of a GitHub repository tree for "amelia-s-umar" at the "main" branch. The commit message is "membuat file baru untuk bekerja sama dengan teman". The commit details show three files: "README.md", "tugas.php", and "uji soal no 2". The "tugas.php" file content is visible, showing the text "nama : amelia s. umar nim : 531421008 kelas : A".

Name	Last commit message	Last commit date
README.md	melakukan perubahan, pengeditan, penghapusan dan penambahan baris	8 minutes ago
tugas.php	membuat file baru untuk bekerja sama dengan teman	now
uji soal no 2	melakukan perubahan, pengeditan, penghapusan, dan penambahan baris un...	5 minutes ago

The screenshot shows a GitHub repository page for 'amelia-s-umar' at the 'main' branch. The commits are as follows:

Name	Last commit message	Last commit date
README.md	melakukan perubahan, pengeditan, penghapusan dan penambahan baris	8 minutes ago
tugas.php	membuat file baru untuk bekerja sama dengan teman	now
uji soal no 2	melakukan perubahan, pengeditan, penghapusan, dan penambahan baris un...	5 minutes ago

Below the commits, there is a preview of the README.md file content:

```
nama : amelia s. umar nim : 531421008 kelas : A
```

The screenshot shows a Google search results page for the query "tahap.php". The top result is a link to a GitHub repository: <https://github.com/fentris/nurfentris-s-dikum/blob/main/tahap.php>. Below the search bar, there are several suggested links:

- <https://github.com/fentris/nurfentris-s-dikum/blob/main/tahap.php>
- <https://github.com/fentris/nurfentris-s-dikum/blob/main/tahap.php - Google Penelusuran>

The Google search interface includes a search bar with placeholder text "Telusuri Google atau ketik URL", a microphone icon for voice search, and a camera icon for image search. Below the search bar are four quick links: Edpuzzle, fentris/Praktek, Toko Web, and "Tambahkan p...". The bottom of the screen shows the Windows taskbar with various pinned icons and the system tray.

amelia-s-umar/ at main · amelia · [fentris/nurfentris-s-dikum](#)

github.com/fentris/nurfentris-s-dikum

fentris / nurfentris-s-dikum

Type to search

Code Issues Pull requests Actions Projects Security Insights

**nurfentris-s-dikum** Public

main 2 branches 0 tags

Go to file Add file <> Code

**About**

No description, website, or topics provided.

Readme Activity 0 stars 1 watching 0 forks

Report repository

**Releases**

No releases published

**Packages**

No packages published

**Languages**

Mencari

14.50 02/12/2023

amelia-s-umar/ at main · amelia · [Fork fentris/nurfentris-s-dikum](#)

github.com/fentris/nurfentris-s-dikum/fork

fentris / nurfentris-s-dikum

Type to search

Code Issues Pull requests Actions Projects Security Insights

**nurfentris-s-dikum** Public

Fork your own copy of fentris/nurfentris-s-dikum

main 2 branches 0 tags

Go to file Add file <> Code

**About**

No description, website, or topics provided.

Readme Activity 0 stars 1 watching 0 forks

Report repository

**Releases**

No releases published

**Packages**

No packages published

**Languages**

Mencari

14.52 02/12/2023

amelia-s-umar / main · amelia

Fork fentris/nurfentris-s-dikum

Code Issues Pull requests Actions Projects Security Insights

## Create a new fork

A fork is a copy of a repository. Forking a repository allows you to freely experiment with changes without affecting the original project.

Required fields are marked with an asterisk (\*).

Owner \* Repository name \*

ameliaumar / nurfentris-s-dikum

nurfentris-s-dikum is available.

By default, forks are named the same as their upstream repository. You can customize the name to distinguish it further.

Description (optional)

Copy the `main` branch only

Contribute back to fentris/nurfentris-s-dikum by adding your own branch. [Learn more](#).

You are creating a fork in your personal account.

**Create fork**

The screenshot shows a GitHub repository page for 'ameliaumar/nurfentris-s-dikum'. The repository is public and was forked from 'fentris/nurfentris-s-dikum'. The page includes sections for GitHub Copilot setup, adding collaborators, and a 'Forking' progress bar.

ameliaumar / nurfentris-s-dikum

Type to search

Code Pull requests Actions Projects Wiki Security Insights Settings

nurfentris-s-dikum (Public)

forked from [fentris/nurfentris-s-dikum](#)

Pin Watch 0 Fork 1 Star 0

Set up GitHub Copilot

Use GitHub's AI pair programmer to autocomplete suggestions as you code.

Get started with GitHub Copilot

Add collaborators to this repository

Search for people using their GitHub username or email address.

Invite collaborators

Forking fentris/nurfentris-s-dikum

It should only take a few seconds.

Refresh

 © 2023 GitHub, Inc. Terms Privacy Security Status Docs Contact  Mencari          IND 14:53 02/12/2023

amelia-s-umar / amelia at main · amelia

ameliaumar/nurfentris-s-dikum

github.com/ameliaumar/nurfentris-s-dikum

ameliaumar / nurfentris-s-dikum

Type to search

Code Pull requests Actions Projects Wiki Security Insights Settings

nurfentris-s-dikum Public forked from fentris/nurfentris-s-dikum

main 1 branch 0 tags Go to file Add file Code

This branch is up to date with fentris/nurfentris-s-dikum:main.

fentris membuat file baru utnuk bekerjasama dengan teman 33e6072 27 minutes ago 5 commits

README.md melakukan perubahan, pengeditan, penghapusan dan penambahan baris 37 minutes ago

tahap.php membuat file baru utnuk bekerjasama dengan teman 27 minutes ago

uji langkah ke 2 melakukan perubahan, pengeditan, penghapusan dan pen... 32 minutes ago

About No description, website, or topics provided.

Readme Activity 0 stars 0 watching 1 fork

Releases No releases published Create a new release

Packages No packages published Publish your first package

Mencari

14.53 02/12/2023

amelia-s-umar / amelia at main · amelia

ameliaumar/nurfentris-s-dikum

github.com/ameliaumar/nurfentris-s-dikum

ameliaumar / nurfentris-s-dikum

Type to search

Code Pull requests Actions Projects Wiki Security Insights Settings

nurfentris-s-dikum Public forked from fentris/nurfentris-s-dikum

main 1 branch 0 tags Go to file Add file Create new file Upload files Sync fork

This branch is up to date with fentris/nurfentris-s-dikum:main.

fentris membuat file baru utnuk bekerjasama dengan teman 33e6072 29 minutes ago 5 commits

README.md melakukan perubahan, pengeditan, penghapusan dan penambahan baris 39 minutes ago

tahap.php membuat file baru utnuk bekerjasama dengan teman 29 minutes ago

uji langkah ke 2 melakukan perubahan, pengeditan, penghapusan dan pen... 34 minutes ago

About No description, website, or topics provided.

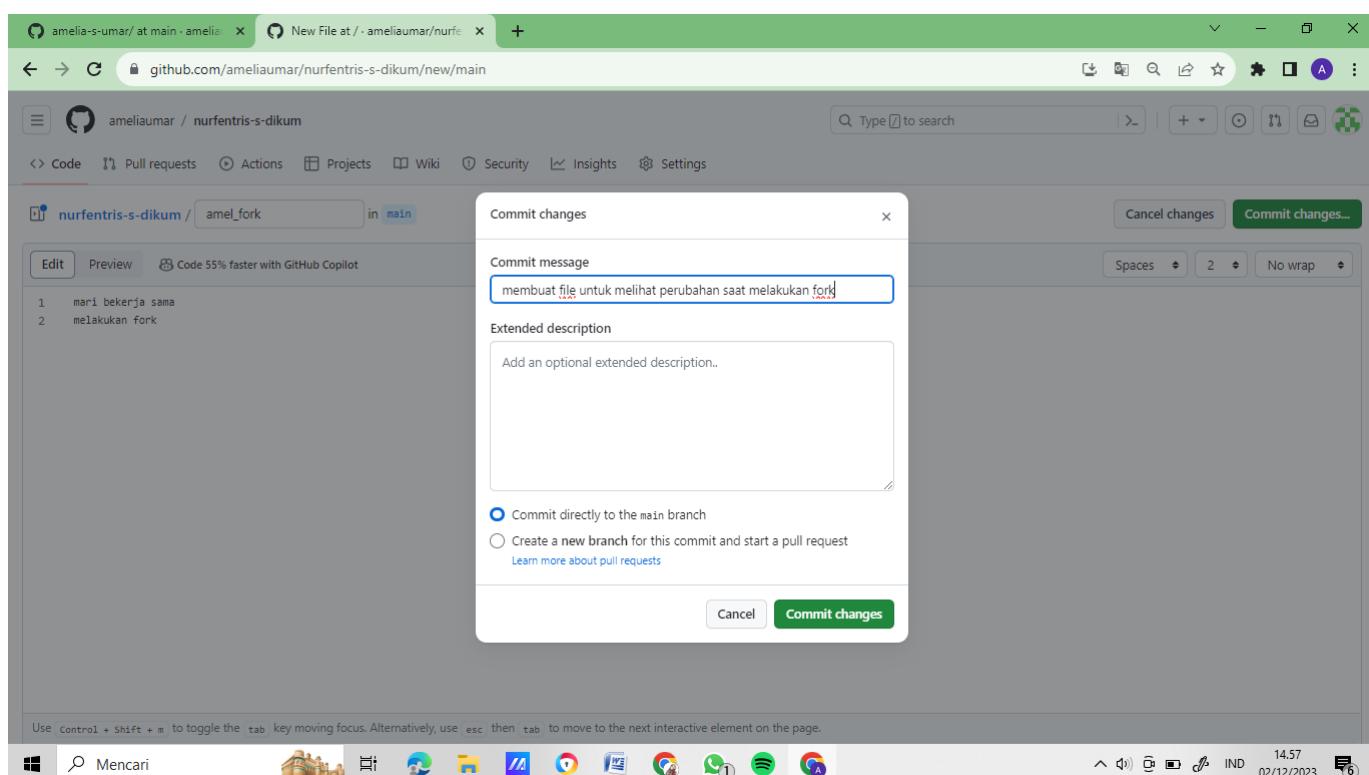
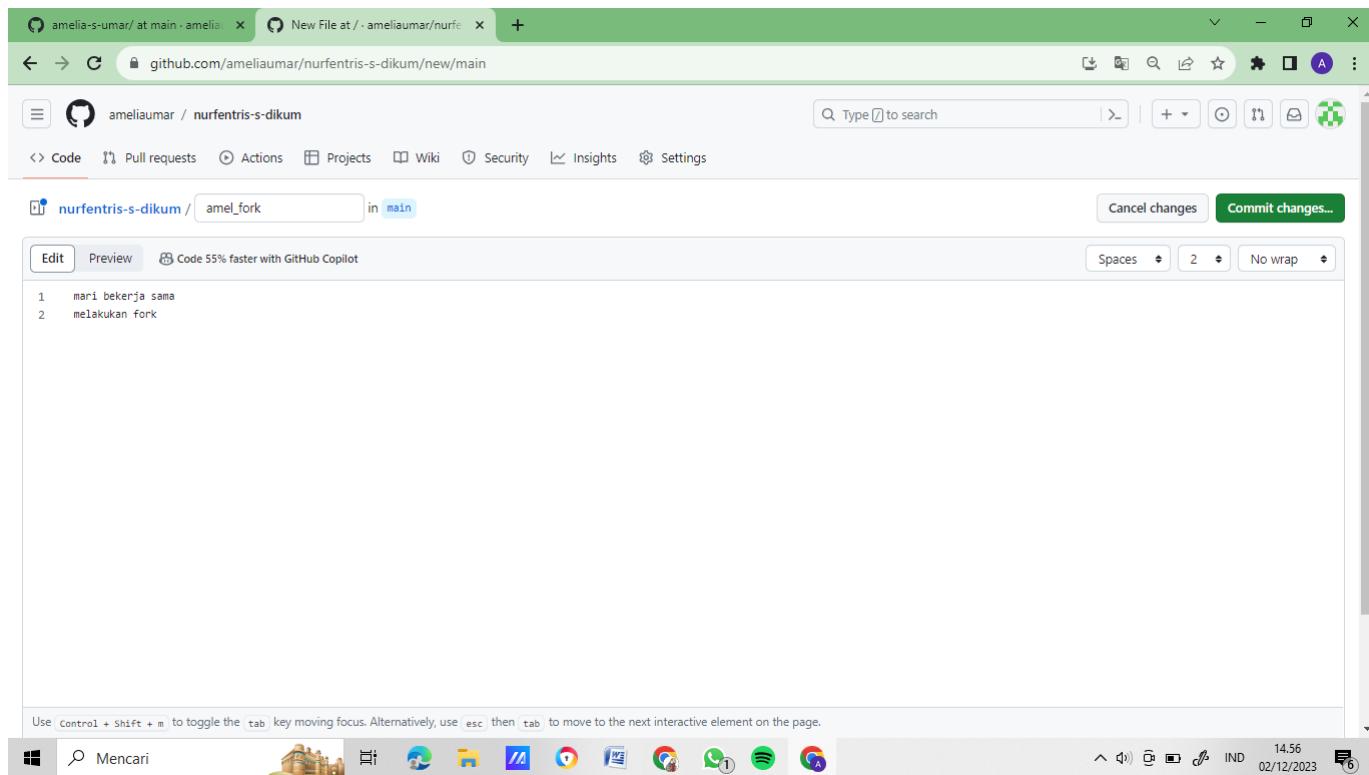
Readme Activity 0 stars 0 watching 1 fork

Releases No releases published Create a new release

Packages No packages published Publish your first package

Mencari

14.55 02/12/2023



The screenshot shows a GitHub repository page for `amelia-s-umar/nurfentris-s-dikum`. The main content area displays a commit history for the `main` branch. The commits are as follows:

Name	Last commit message	Last commit date
<code>README.md</code>	melakukan perubahan, pengeditan, penghapusan dan penambahan baris	41 minutes ago
<code>amel_fork</code>	membuat file untuk melihat perubahan saat melakukan fork	now
<code>tahap.php</code>	membuat file baru utnuk bekerjasama dengan teman	32 minutes ago
<code>uji</code>	langkah ke 2 melakukan perubahan, pengeditan, penghapusan dan penamba...	36 minutes ago

Below the commit history is a preview of the `README.md` file, which contains the text:

```
NAMA : NURFENTRIS S DIKUM NIM : 531421008 KELAS : A
```

The screenshot shows a GitHub repository page for `amelia-s-umar/nurfentris-s-dikum`. The main content area displays a commit history for the `main` branch. The commits are as follows:

Name	Last commit message	Last commit date
<code>README.md</code>	melakukan perubahan, pengeditan, penghapusan dan penambahan baris	39 minutes ago
<code>tahap.php</code>	membuat file baru utnuk bekerjasama dengan teman	29 minutes ago
<code>uji</code>	langkah ke 2 melakukan perubahan, pengeditan, penghapusan dan penamba...	34 minutes ago

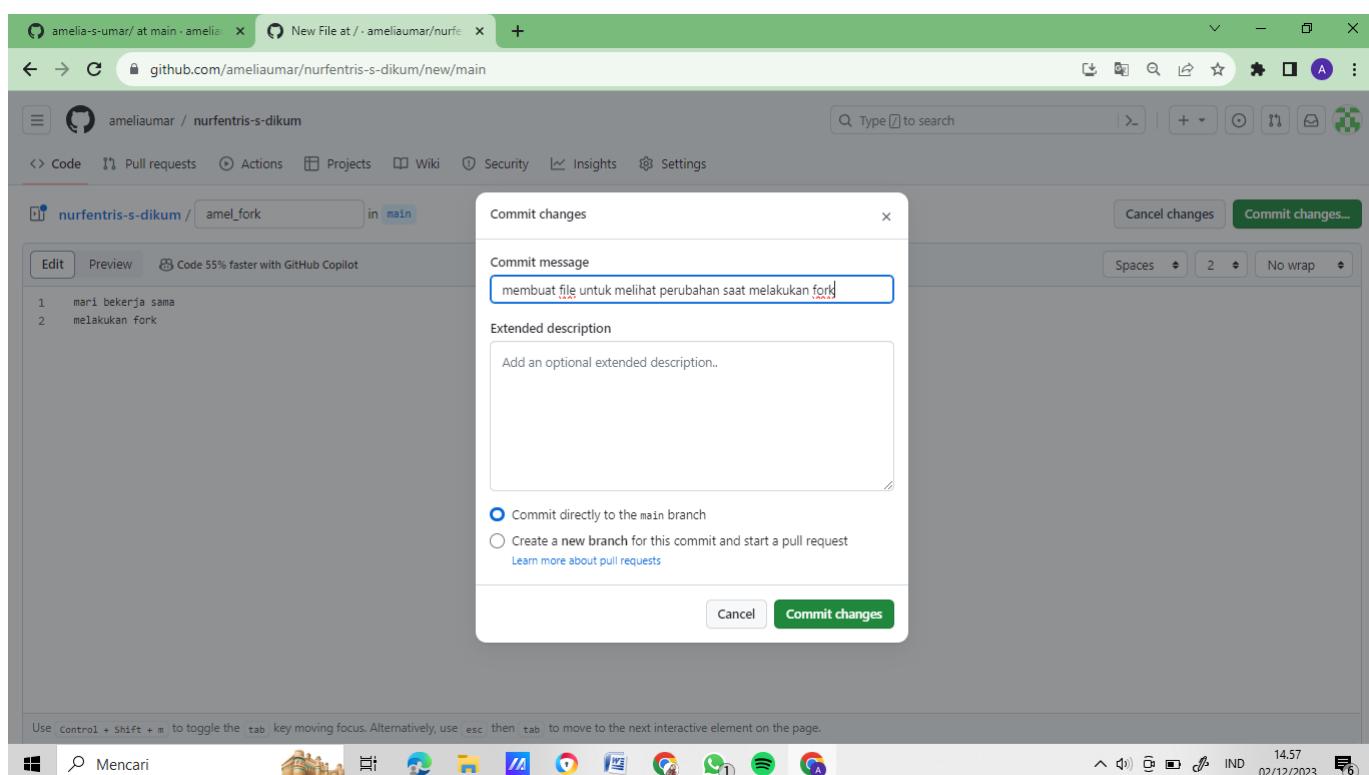
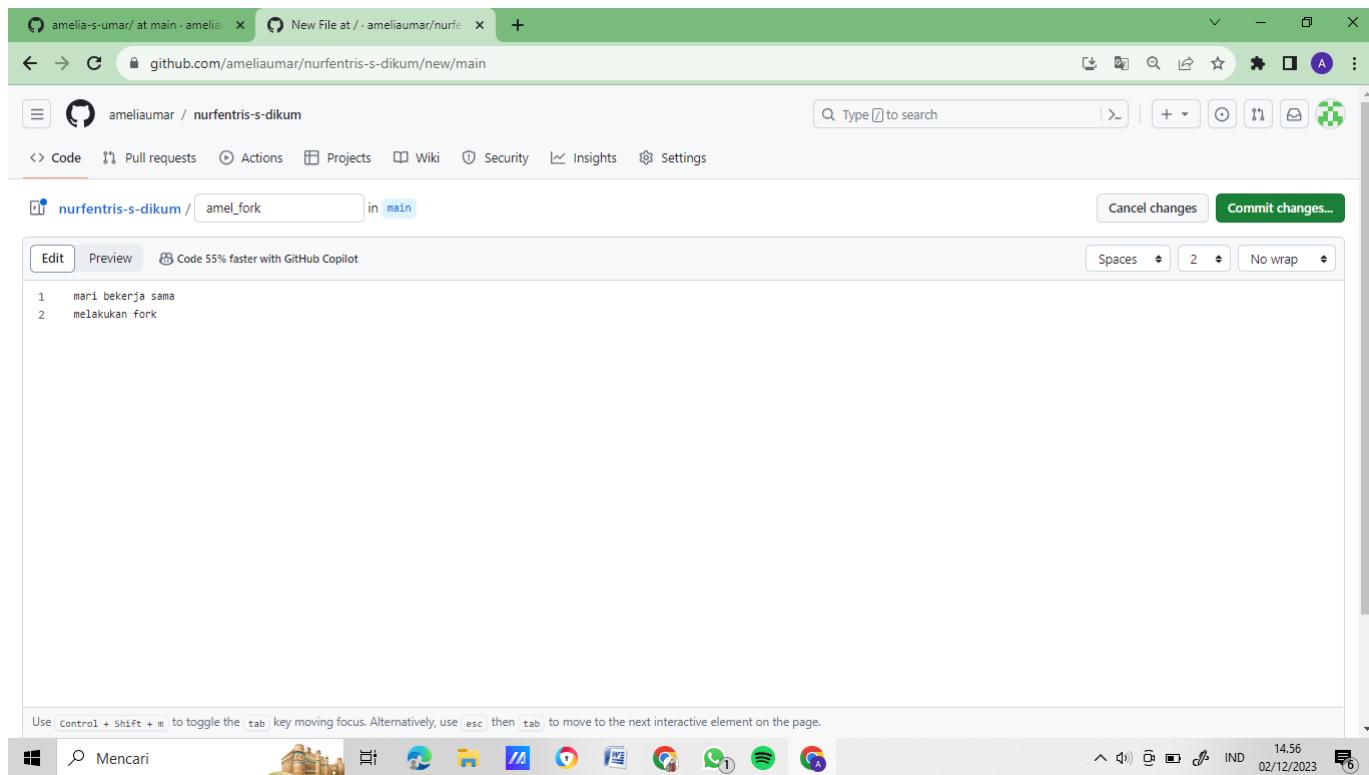
Below the commit history is a preview of the `README.md` file, which contains the text:

```
NAMA : NURFENTRIS S DIKUM NIM : 531421008 KELAS : A
```

On the right side of the page, there is an "About" section with the following details:

- No description, website, or topics provided.
- Readme
- Activity
- 0 stars
- 0 watching
- 1 fork

There are also sections for "Releases" and "Packages", both of which indicate no releases or packages have been published.



The screenshot shows a GitHub repository page for `amelia-s-umar` at `main · ameliaumarmy`. The repository name is `nurfentris-s-dikum`. The main branch is `main`. A commit message from `ameliaumar` states: "membuat file untuk melihat perubahan saat melakukan fork". The commit was made 41 minutes ago. The repository has 2 branches and 0 tags. The README.md file contains the text: "NAMA : NURFENTRIS S DIKUM NIM : 531421008 KELAS : A".



The screenshot shows a GitHub repository page for `amelia-s-umar` at `main · ameliaumarmy`. The repository name is `nurfentris-s-dikum`. The main branch is `main`, which is protected. A commit message from `ameliaumar` states: "membuat file baru untuk bekerja sama dengan teman". The commit was made 10 minutes ago. The repository has 2 branches and 0 tags. The README.md file contains the text: "nama : amelia s. umar nim : 531421008 kelas : A".



Notifications

github.com/notifications

Inbox

All Unread Filter notifications Group by: Date

Saved

Done

Assigned

Participating

Mentioned

Team mentioned

Review requested

Repositories

ameliaumar/latihan

Clear out the clutter.

Get the most out of your new inbox by quickly and easily marking all of your previously read notifications as done.

1 selected Done Unsubscribe ...

ameliaumar/latihan #2 master

subscribed

ProTip! When viewing a notification, press **e** to mark it as Done.

1-1 of 1 Prev Next

Notifications

github.com/ameliaumar/nurfentris-s-dikum/tree/main

ameliaumar / nurfentris-s-dikum

Type to search

Code Pull requests Actions Projects Wiki Security Insights Settings

main /

Go to file Add file ...

ameliaumar membuat file untuk melihat perubahan saat melakukan fork

2f32b62 · 3 minutes ago History

This branch is 1 commit ahead of [fentris/nurfentris-s-dikum:main](#).

Contribute Sync fork

Name	Last commit message	Last commit date
README.md	melakukan perubahan, pengeditan, penghapusan dan penambahan baris	44 minutes ago
amel_fork	membuat file untuk melihat perubahan saat melakukan fork	3 minutes ago
tahap.php	membuat file baru utnuk bekerjasama dengan teman	34 minutes ago
uji	langkah ke 2 melakukan perubahan, pengeditan, penghapusan dan penamba...	39 minutes ago

README.md

NAMA : NURFENTRIS S DIKUM NIM : 531421008 KELAS : A

ameliaumar/amelia-s-umar

github.com/ameliaumar/amelia-s-umar

ameliaumar / amelia-s-umar

Type to search

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

amelia-s-umar Public

main 2 branches 0 tags

Go to file Add file Code

Your main branch isn't protected

Protect this branch

No description, website, or topics provided.

Readme Activity 0 stars 1 watching 1 fork

ameliaumar membuat file baru untuk bekerja sama dengan teman 460de3c 28 minutes ago 5 commits

melakukan perubahan, pengeditan, penghapusan dan penambahan baris 36 minutes ago

tugas.php membuat file baru untuk bekerja sama dengan teman 28 minutes ago

ujji soal no 2 melakukan perubahan, pengeditan, penghapusan, dan penambahan bar... 33 minutes ago

README.md

nama : amelia s. umar nim : 531421008 kelas : A

About

No description, website, or topics provided.

Readme Activity 0 stars 1 watching 1 fork

Releases

No releases published Create a new release

Packages

No packages published Publish your first package



Pull requests · ameliaumar/amelia-s-umar

github.com/ameliaumar/amelia-s-umar/pulls

ameliaumar / amelia-s-umar

Type to search

Code Issues Pull requests 1 Actions Projects Wiki Security Insights Settings

Label issues and pull requests for new contributors

Now, GitHub will help potential first-time contributors discover issues labeled with good first issue

Filters ispr isopen

1 Open ✓ 1 Closed

hallo amel saya fentris #2 opened 1 minute ago by fentris

New pull request

ProTip! Follow long discussions with comments:>50.



The screenshot shows a GitHub pull request page for the repository "ameliaumar/amelia-s-umar". A modal window at the top right encourages new contributors to use "good first issue" labels. The main content displays a filtered list of pull requests, with one specific pull request highlighted:

- Filters**: ispr isopen
- 1 selected**
- hallo amel saya fentris** #2 opened 1 minute ago by fentris

A ProTip! message suggests following long discussions with comments:>50.

At the bottom, the GitHub footer includes links to Terms, Privacy, Security, Status, Docs, and Contact, along with the copyright notice: © 2023 GitHub, Inc.

hallo amel saya fentris #2

fentris wants to merge 1 commit into [ameliaumar:main](#) from [fentris:main](#)

Conversation 0 Commits 1 Checks 0 Files changed 1

fentris commented 1 minute ago

No description provided.

nebuat file untuk melihat perubahan saat melakukan fork

Verified 9e5sad

Add more commits by pushing to the [main](#) branch on [fentris/amelia-s-umar](#).

Require approval from specific reviewers before merging  
[Branch protection rules](#) ensure specific people approve pull requests before they're merged.

Continuous integration has not been set up  
[GitHub Actions](#) and [several other apps](#) can be used to automatically catch bugs and enforce style.

This branch has no conflicts with the base branch  
Merging can be performed automatically.

Merge pull request

You can also [open this in GitHub Desktop](#) or view [command line instructions](#).

Reviewers: No reviews. Still in progress? Convert to draft.

Assignees: No one—assign yourself.

Labels: None yet.

Projects: None yet.

Milestone: None yet.

Development: Successfully merging this pull request may close these issues.

Notifications: None yet.

hallo amel saya fentris by fentris    ameliaumar/nurfentris-s-dikum    +

github.com/ameliaumar/amelia-s-umar/pull/2

ameliaumar / amelia-s-umar

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

hallo amel saya fentris #2

**Open** fentris wants to merge 1 commit into ameliaumar:main from fentris:main

Conversation 0 Commits 0 Checks 0 Files changed 1

fentris commented 1 minute ago First-time contributor

No description provided.

↪ membuat file untuk melihat perubahan saat melakukan fork Verified 9e95add

Add more commits by pushing to the main branch on fentris/amelia-s-umar.

Merge pull request #2 from fentris/main

hallo amel saya fentris

This commit will be authored by 152483768+ameliaumar@users.noreply.github.com

Confirm merge Cancel

Add a comment

Write Preview

Add your comment here...

Reviewers No reviews Still in progress? Convert to draft

Assignees No one—assign yourself

Labels None yet

Projects None yet

Milestone No milestone

Development Successfully merging this pull request may close these issues.

None yet

Notifications Customize 15.17 02/12/2023 6

hallo amel saya fentris by fentris    ameliaumar/nurfentris-s-dikum    +

github.com/ameliaumar/amelia-s-umar/pull/2

ameliaumar / amelia-s-umar

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

hallo amel saya fentris #2

**Open** fentris wants to merge 1 commit into ameliaumar:main from fentris:main

Conversation 0 Commits 0 Checks 0 Files changed 1

fentris commented 1 minute ago First-time contributor

No description provided.

↪ membuat file untuk melihat perubahan saat melakukan fork Verified 9e95add

Add more commits by pushing to the main branch on fentris/amelia-s-umar.

Merge pull request #2 from fentris/main

hallo amel saya fentris

This commit will be authored by 152483768+ameliaumar@users.noreply.github.com

Merging... Cancel

Add a comment

Write Preview

Add your comment here...

Reviewers No reviews Still in progress? Convert to draft

Assignees No one—assign yourself

Labels None yet

Projects None yet

Milestone No milestone

Development Successfully merging this pull request may close these issues.

None yet

Notifications Customize 15.18 02/12/2023 6

The screenshot shows a GitHub repository page for `ameliaumar/amelia-s-umar`. The repository is public and has 2 branches and 0 tags. A merge pull request #2 from `fentris/main` is shown, with 7 commits. The README file contains the following text:

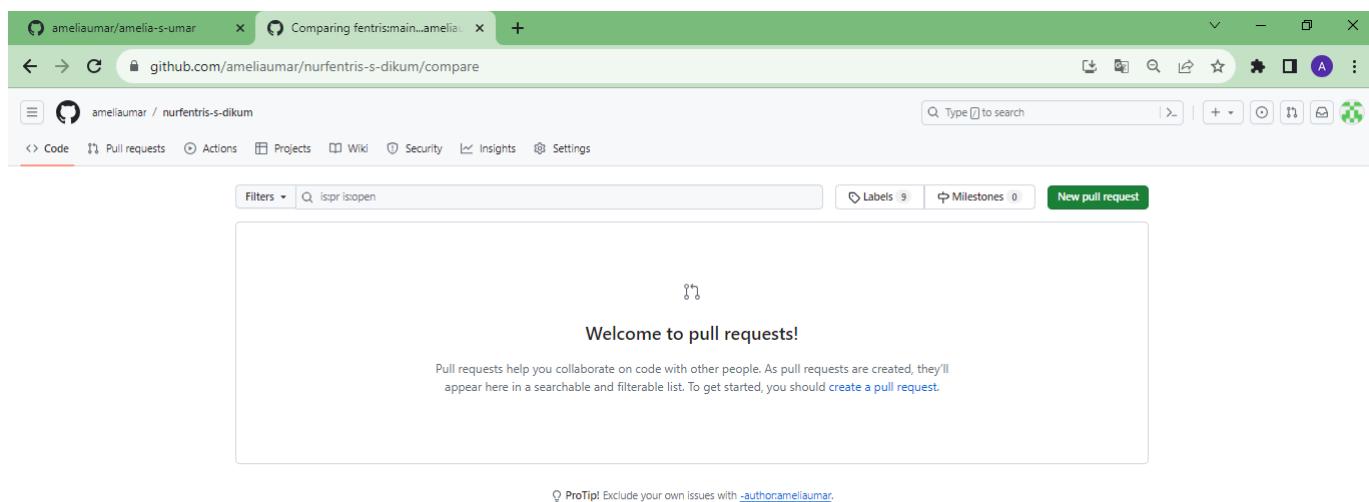
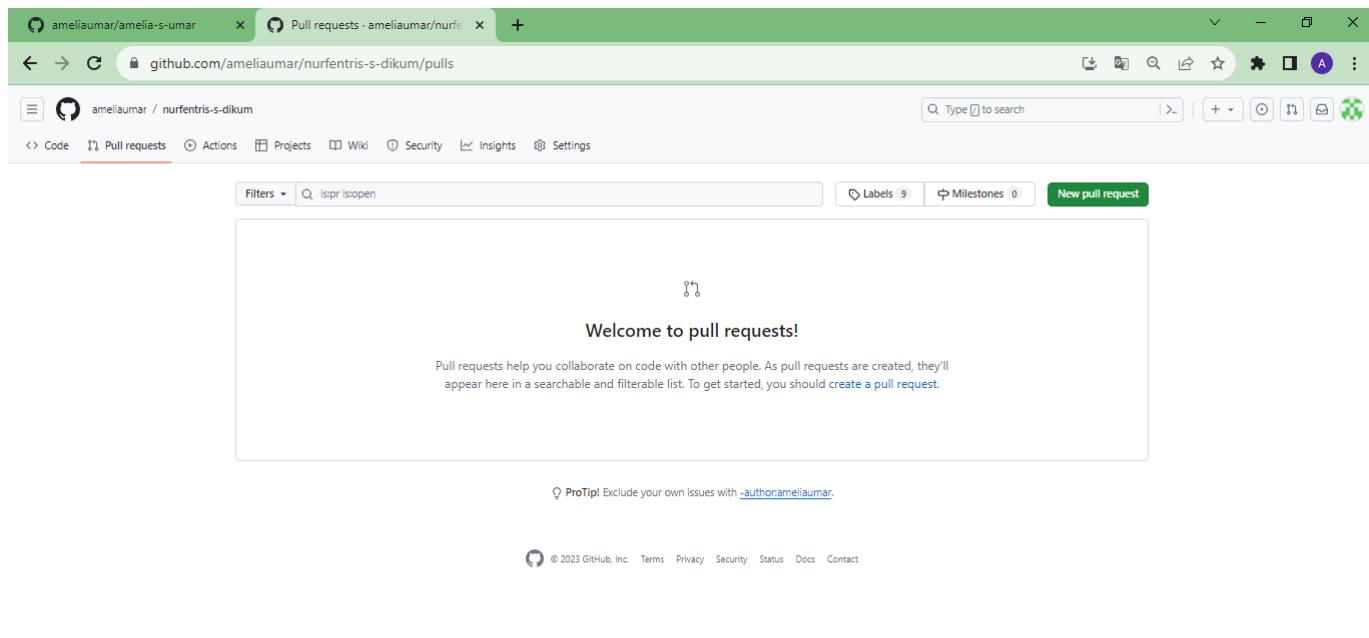
```
melakukan perubahan, pengeditan, penghapusan dan penambahan baris  
membuat file untuk melihat perubahan saat melakukan fork  
membuat file baru untuk bekerja sama dengan teman  
melakukan perubahan, pengeditan, penghapusan, dan penambahan baris
```

The repository has 0 stars, 1 watching, and 1 fork. It includes sections for About, Releases, Packages, and Languages (Hack 100%).

The screenshot shows a GitHub repository page for `ameliaumar/nurfentris-s-dikum`. The repository is public and forked from `fentris/nurfentris-s-dikum`. It has 1 branch and 0 tags. A merge pull request from `fentris:main` is shown, with 6 commits. The README file contains the following text:

```
melakukan perubahan, pengeditan, penghapusan dan penambahan baris  
membuat file untuk melihat perubahan saat melakukan fork  
membuat file baru untuk bekerja sama dengan teman  
langkah ke 2 melakukan perubahan, pengeditan, penghapusan dan pen...
```

The repository has 0 stars, 0 watching, and 1 fork. It includes sections for About, Releases, Packages, and Languages (PHP 100%).



Comparing changes

Choose two branches to see what's changed or to start a new pull request. If you need to, you can also compare across forks or learn more about diff comparisons.

base repository: fentrис/nurfentris-s-dikum base: main head repository: ameliaumar/nurfentris-s-dikum compare: main

Checking mergeability... Don't worry, you can still create the pull request.

Discuss and review the changes in this comparison with others. [Learn about pull requests](#)

Create pull request

1 commit 1 file changed 1 contributor

Commits on Dec 2, 2023

membuat file untuk melihat perubahan saat melakukan fork  
ameliaumar committed 21 minutes ago

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Open a pull request

Create a new pull request by comparing changes across two branches. If you need to, you can also compare across forks. Learn more about diff comparisons here.

base repository: fentrис/nurfentris-s-dikum base: main head repository: ameliaumar/nurfentris-s-dikum compare: main

Able to merge. These branches can be automatically merged.

Add a title

hallo fentrис saya amel

Add a description

Write Preview

Add your description here...

Markdown is supported Paste, drop, or click to add files

Allow edits by maintainers Create pull request



The screenshot shows a GitHub pull request page. The title of the PR is "hallo fentris saya amel #2". The PR has been opened by "ameliaumar" and merged into the "fentris:main" branch from the "ameliaumar:main" branch. There is one commit from "ameliaumar" with the message "buat file untuk melihat perubahan saat melakukan fork". The commit is verified and has a SHA of "2f32b62". A note says "No description provided." Below the commit, there is a message: "Checking for ability to merge automatically... Hang in there while we check the branch's status." A comment section is open, with a placeholder "Add a comment" and a rich text editor. The right sidebar shows review stats ("+2 -0"), assignees ("No one assigned"), labels ("None yet"), projects ("None yet"), milestones ("No milestone"), and development notes ("Successfully merging this pull request may close these issues").

The screenshot shows a GitHub pull request page for the repository 'fentris/nurfentris-s-dikum'. The URL in the address bar is [github.com/fentris/nurfentris-s-dikum/pulls](https://github.com/fentris/nurfentris-s-dikum/pulls). The page title is 'Pull requests · fentris/nurfentris'. The navigation bar includes links for Code, Issues, Pull requests (1), Actions, Projects, Security, and Insights. A search bar at the top right contains the placeholder 'Type to search'. Below the search bar are filters for 'Labels' (9) and 'Milestones' (0), and a green 'New pull request' button. The main content area shows a single pull request: '#2 hallo fentris saya amel' by ameliaumar, which was opened now. The status bar indicates '1 Open' and '1 Closed'. The bottom of the page features a 'ProTip!' message: 'Follow long discussions with [comments: > 50](#)'.

fenris / amelia-s-umar

Type to search

Code Pull requests Actions Projects Wiki Security Insights Settings

Pulse Contributors Community Traffic Commits Code frequency Dependency graph Network Forks

### Network graph

Timeline of the most recent commits to this repository and its network ordered by most recently pushed to.

Owners	Dec
fenris	2
ameliaumar	1

Network Graph · ameliaumar/amelia-s-umar · Pull requests · fenris/nurfenris · +

github.com/ameliaumar/amelia-s-umar/network

ameliaumar / amelia-s-umar

Type to search

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

Pulse Contributors Community Standards Traffic Commits Code frequency Dependency graph Network Forks

### Network graph

Timeline of the most recent commits to this repository and its network ordered by most recently pushed to.

Owners	Dec
ameliaumar	2

## **BAB 3**

### **KESIMPULAN**

#### **3.1 Kesimpulan**

Penggunaan GitHub tidak hanya memudahkan pengembang dalam melacak perubahan kode sumber, tetapi juga memungkinkan kolaborasi yang efektif antarindividu atau tim. Hal ini sangat penting dalam pengembangan perangkat lunak modern karena memfasilitasi kerja tim, review kode, dan pengelolaan perubahan dengan lebih terstruktur.

Namun, untuk penggunaan yang lebih efektif, perlu diingat untuk selalu memperhatikan prosedur yang benar, seperti memberikan pesan commit yang deskriptif, melakukan sinkronisasi secara berkala antara repositori lokal dan repositori GitHub, serta menyelesaikan konflik yang mungkin terjadi saat merging.

Selain itu, kolaborasi dengan orang lain juga menjadi aspek penting yang ditunjukkan dalam laporan, menggambarkan bagaimana berinteraksi dengan kontributor lain dalam sebuah proyek menggunakan GitHub.