



PRAKTIKUM DASAR-DASAR PEMROGRAMAN

Pengampu

Wenty Dwi Yuniarti

Prodi Teknologi Informasi
Fakultas Sains dan Teknologi
UIN Walisongo Semarang
2020



GOOGLE COLAB



Google Colab (Colaboratory) is


free Jupyter Notebook Environment that runs in the cloud
and not require any setup

write and execute Python directly from the browser, save and share

Let's begin type this link

<https://colab.research.google.com/notebooks/intro.ipynb>

WELCOME TO COLABORATORY

 Welcome To Colaboratory

File Edit View Insert Runtime Tools Help



Share  [Sign in](#)

Table of contents

<>


Getting started


Data science



 Machine learning


More Resources

Machine Learning Examples

 Section

+ Code + Text  Copy to Drive

Connect  Editing 

 What is Colaboratory?

Colaboratory, or "Colab" for short, allows you to write and execute Python in your browser, with

- Zero configuration required
- Free access to GPUs
- Easy sharing

Whether you're a **student**, a **data scientist** or an **AI researcher**, Colab can make your work easier. Watch [Introduction to Colab](#) to learn more, or just get started below!

▾ Getting started



The document you are reading is not a static web page, but an interactive environment called a **Colab notebook** that lets you write and execute code.

For example, here is a **code cell** with a short Python script that computes a value, stores it in a variable, and prints the result:


SIGN IN WITH A GOOGLE ACCOUNT

In order to execute code, you need a google account


Buat file baru:
File → New Notebook









  Untitled0.ipynb ☆


File Edit View Insert Runtime Tools Help [All changes saved](#)


Comment Share ⚙️ 

+ Code + Text

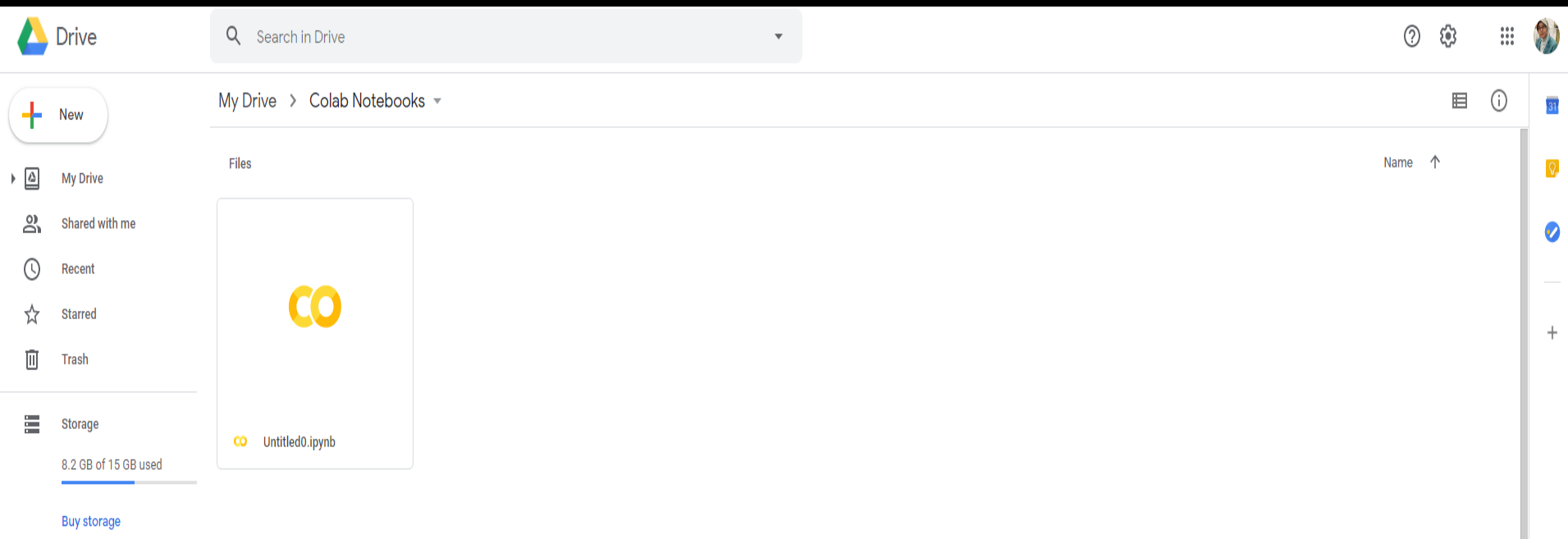
Connect ▾ |  Editing ^

 |

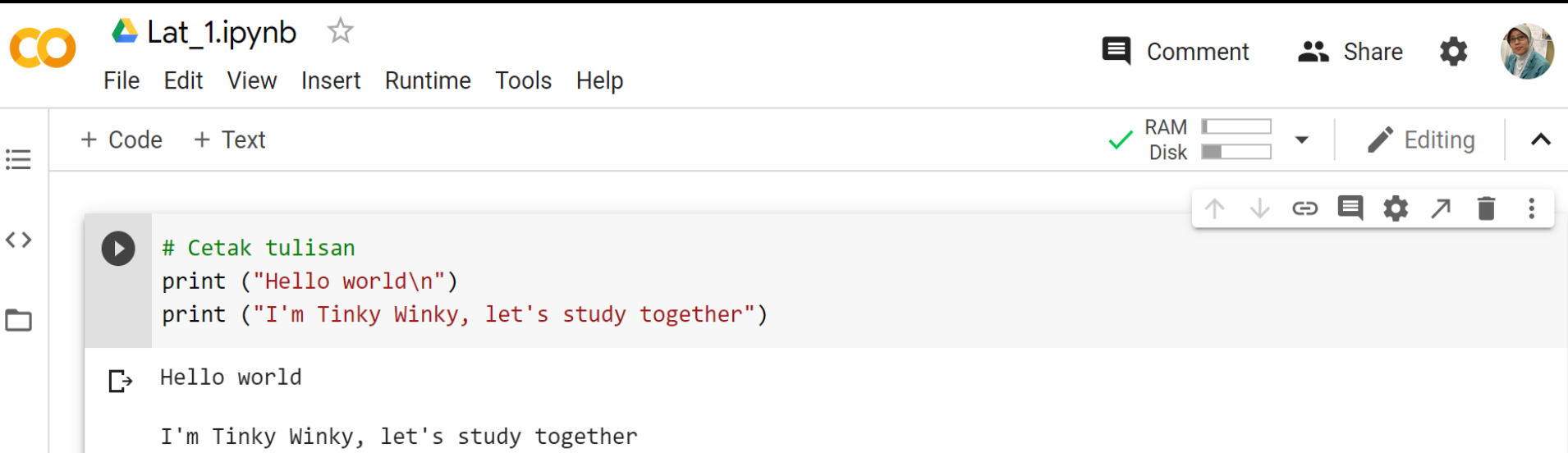


Dalam Google Drive Saudara, secara otomatis akan muncul folder “Colab Notebooks”, dan file yang saat ini sedang dibuat (**untitled0.ipynb**) telah tersimpan otomatis didalamnya.



BUAT SCRIPT DAN EXECUTE

Tulis script. Rename nama file menjadi Lat_1
Jalankan dengan menekan RUN atau Ctrl+F9 atau Shift+Enter
Insert Cell below dengan Alt+Enter



The screenshot displays a Jupyter Notebook interface. At the top, the file is named 'Lat_1.ipynb'. The menu bar includes 'File', 'Edit', 'View', 'Insert', 'Runtime', 'Tools', and 'Help'. On the right, there are buttons for 'Comment', 'Share', and a user profile icon. Below the menu bar, the interface shows a code cell with the following Python code:

```
# Cetak tulisan  
print ("Hello world\n")  
print ("I'm Tinky Winky, let's study together")
```

Below the code cell, the output is displayed:


```
Hello world  
  
I'm Tinky Winky, let's study together
```

The interface also features a toolbar with icons for running, undo, redo, and other actions. The status bar at the bottom indicates 'RAM' and 'Disk' usage.


Open Notebook → Pilih Google Drive → ambil file


Examples
Recent
Google Drive
GitHub
Upload

Filter notebooks


Lat_1.ipynb

Open notebook


Untitled0.ipynb


Latihan1.ipynb

Owner

wenty yuniarti

wenty yuniarti

wenty yuniarti

Last modified

7 minutes ago

33 minutes ago



1 hour ago



Last opened



7 minutes ago

33 minutes ago

1 hour ago







CANCEL

COMMENT


 Lat_1.ipynb ☆

File Edit View Insert Runtime Tools Help All changes saved


+ Code + Text

RAM  Disk 

Editing



```
# Cetak tulisan
print ("Hello world\n")
print ("I'm Tinky Winky, let's study together")
```

 Hello world
I'm Tinky Winky, let's study together

[]

wenty yuniarti
12:48 PM Today

Comment...

Comment Cancel

```
# Cetak tulisan
print ("Hello world\n")
print ("I'm Tinky Winky, let's study together")
```


Hello world
I'm Tinky Winky, let's study together

wenty yuniarti
12:48 PM Today

Silahkan dibuat dalam 3 baris. Hello World.
I'm Tinky Winky. Let's study together

Comment Cancel

COMMENT

 Lat_1.ipynb ☆

File Edit View Insert Runtime Tools Help [All changes saved](#)

 Comment  Share  

+ Code + Text

✓ RAM Disk Editing ^



```
# Cetak tulisan
print ("Hello world\n")
print ("I'm Tinky Winky, let's study together")
```

Hello world

I'm Tinky Winky, let's study together

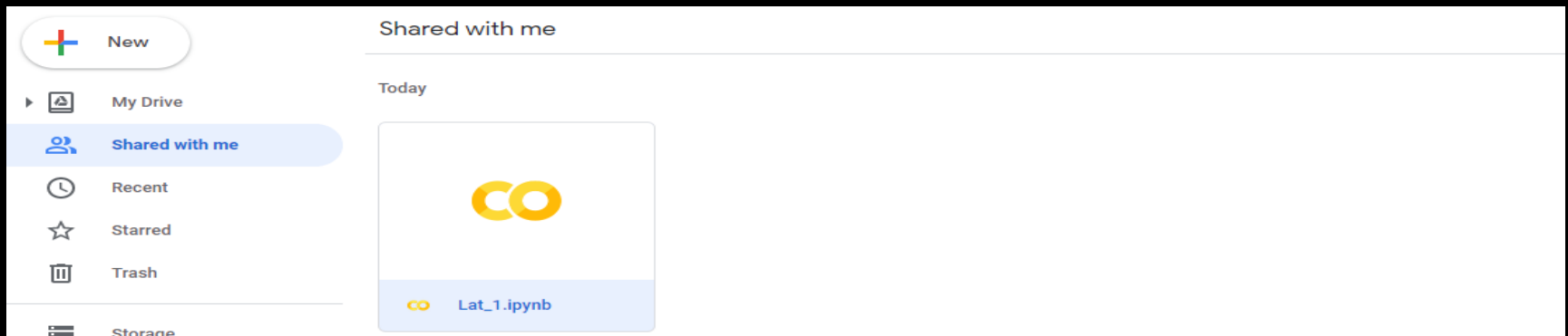
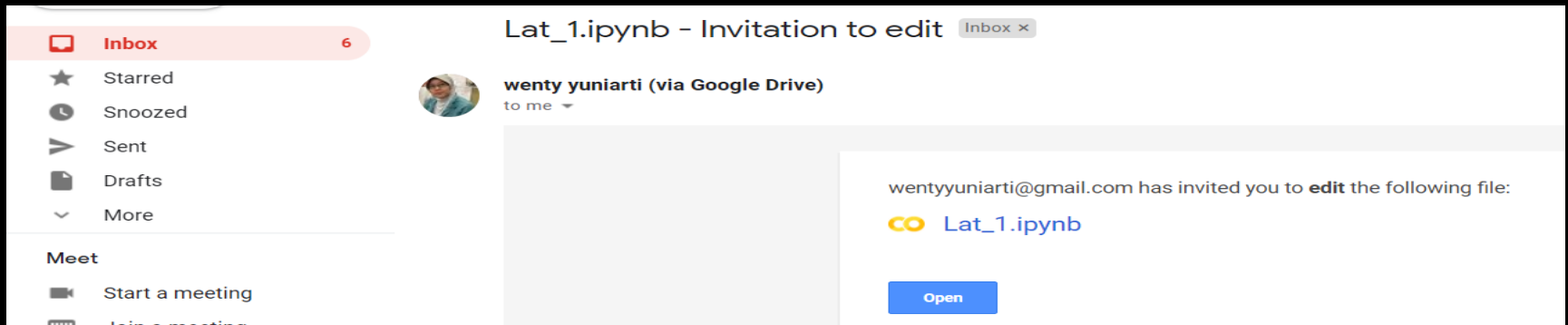


wenty yuniarti
12:48 PM Today

[Resolve](#)

Silahkan dibuat dalam 3 baris. Hello World. I'm Tinky Winky. Let's study together

Jika suatu file dishare, maka, file akan masuk di 1) Inbox si penerima, 2) Google Drive.
Untuk nomor 1) klik OPEN





DO DIGITAL. STAY HUMAN.