



## **.venv/share/jupyter/labextensions/@jupyter-widgets/jupyterlab-manager/static/420.23ab95819c045f6c36bc.js**

```
"use strict";(self.webpackChunk_jupyter_widgets_jupyterlab_manager=self.webpackChunk_jupyter_widgets_jupyterlab_manager||[]).push([[420],{4420:(e,t,u)=>{u.r(t),u.d(t,{OUTPUT_WIDGET_VERSION:()=>_,OutputModel:()=>d,OutputView:()=>l});var s=u(7401);const _="1.0.0";class d extends s.DOMWidgetModel{defaults(){return Object.assign(Object.assign({},super.defaults()),{_model_name:"OutputModel",_view_name:"OutputView",_model_module:"@jupyter-widgets/output",_view_module:"@jupyter-widgets/output",_model_module_version:_,_view_module_version:_})}}class l extends s.DOMWidgetView{}}]);
```

**.venv/share/jupyter/labextensions/@jupyter-widgets/jupyterlab-manager/static/701.043aefe0b66133629348.js**

```
"use strict";(self.webpackChunk_jupyter_widgets_jupyterlab_manager=self.webpackChunk_jupyter_widgets_jupyterlab_manager||[]).push([[701],{8701:(e,t,a)=>{a.d(t,{A:()=>s});const s="2.0.0"}}]);
```

## **.venv/share/jupyter/labextensions/@jupyter-widgets/jupyterlab-manager/static/style.js**

```
/* This is a generated file of CSS imports */ It was generated by  
@jupyterlab/builder in Build.ensureAssets() */
```

## **.venv/share/jupyter/labextensions/jupyterlab-plotly/static/style.js**

```
/* This is a generated file of CSS imports *//* It was generated by  
@jupyterlab/builder in Build.ensureAssets() */
```

**.venv/etc/jupyter/nbconfig/notebook.d/widgetsnbextension.json**  
{ "load\_extensions": { "jupyter-js-widgets/extension": true }}

## **.venv/share/jupyter/kernels/python3/kernel.json**

```
{ "argv": [ "python", "-m", "ipykernel_launcher", "-f",  
"{connection_file}" ], "display_name": "Python 3 (ipykernel)", "language":  
"python", "metadata": { "debugger": true }}
```

## **.venv/share/jupyter/labextensions/@jupyter-widgets/jupyterlab-manager/install.json**

```
{  "packageManager": "python",  "packageName": "jupyterlab_widgets",  
  "uninstallInstructions": "Use your Python package manager (pip, conda, etc.)  
to uninstall the package jupyterlab_widgets"}
```



## **.venv/share/jupyter/labextensions/@jupyter-widgets/jupyterlab-manager/package.json**

```
{  "name": "@jupyter-widgets/jupyterlab-manager",  "version": "5.0.15",  "description": "The JupyterLab extension providing Jupyter widgets.",  "keywords": [    "jupyter",    "jupyterlab",    "jupyterlab notebook",    "jupyterlab-extension"  ],  "homepage": "https://github.com/jupyter-widgets/ipywidgets",  "bugs": {    "url": "https://github.com/jupyter-widgets/ipywidgets/issues"  },  "repository": {    "type": "git",    "url": "https://github.com/jupyter-widgets/ipywidgets"  },  "license": "BSD-3-Clause",  "author": "Project Jupyter",  "sideEffects": [    "style/*.css"  ],  "main": "lib/index.js",  "types": "lib/index.d.ts",  "files": [    "lib/**/*.d.ts",    "eot",    "gif",    "html",    "jpg",    "js",    "js.map",    "json",    "png",    "svg",    "woff2",    "ttf"  ],  "style/**/*.css",  "style/**/*.d.ts",  "css",    "eot",    "gif",    "html",    "jpg",    "json",    "png",    "svg",    "woff2",    "ttf"  ],  "dist/*.js",  "schema/*.json"  ],  "scripts": {    "build": "jlpmp build:lib && jlpmp build:labextension:dev",    "build:labextension:dev": "jupyter labextension build --development True .",    "build:lib": "tsc -b",    "build:prod": "jlpmp build:lib && jlpmp build:labextension",    "clean": "jlpmp clean:lib",    "clean:all": "jlpmp clean:lib && jlpmp clean:labextension",    "clean:labextension": "rimraf labextension",    "clean:lib": "rimraf lib tsconfig.tsbuildinfo",    "eslint": "eslint . --ext .ts,.tsx --fix",    "eslint:check": "eslint . --ext .ts,.tsx",    "install:extension": "jlpmp build",    "prepare": "jlpmp clean && jlpmp build:prod",    "watch": "jupyter labextension watch ."  },  "dependencies": {    "@jupyter-widgets/base": "^6.0.11",    "@jupyter-widgets/base-manager": "^1.0.12",    "@jupyter-widgets/controls": "^5.0.12",    "@jupyter-widgets/output": "^6.0.11",    "@jupyterlab/application": "^3.0.0 || ^4.0.0",    "@jupyterlab/apputils": "^3.0.0 || ^4.0.0",    "@jupyterlab/console": "^3.0.0 || ^4.0.0",    "@jupyterlab/docregistry": "^3.0.0 || ^4.0.0",    "@jupyterlab/logconsole": "^3.0.0 || ^4.0.0",    "@jupyterlab/mainmenu": "^3.0.0 || ^4.0.0",    "@jupyterlab/nbformat": "^3.0.0 || ^4.0.0",    "@jupyterlab/notebook": "^3.0.0 || ^4.0.0",    "@jupyterlab/outputarea": "^3.0.0 || ^4.0.0",    "@jupyterlab/rendermime": "^3.0.0 || ^4.0.0",    "@jupyterlab/rendermime-interfaces": "^3.0.0 || ^4.0.0",    "@jupyterlab/services": "^6.0.0 || ^7.0.0",    "@jupyterlab/settingregistry": "^3.0.0 || ^4.0.0",    "@jupyterlab/translation": "^3.0.0 || ^4.0.0",    "@lumino/algorithm": "^1 || ^2",    "@lumino/coreutils": "^1 || ^2",    "@lumino/disposable": "^1 || ^2",    "@lumino/signaling": "^1 || ^2",    "@lumino/widgets": "^1 || ^2",    "@types/backbone": "1.4.14",    "jquery": "^3.1.1",    "semver": "^7.3.5"  },  "devDependencies": {    "@jupyterlab/builder": "^3.0.0 || ^4.0.0",    "@jupyterlab/cells": "^3.0.0 || ^4.0.0",    "@types/jquery": "^3.5.16",    "@types/semver": "^7.3.6",    "@typescript-eslint/eslint-plugin": "^5.8.0",    "@typescript-eslint/parser": "^5.8.0",    "eslint": "^8.5.0",    "eslint-config-prettier": "^8.3.0",    "eslint-plugin-prettier": "^4.0.0",    "npm-run-all": "^4.1.5",    "prettier": "^2.3.2",    "rimraf": "^3.0.2",    "source-map-loader": "^4.0.1",    "typescript": "~4.9.4"  },  "jupyterlab": {    "extension": true,    "outputDir": "labextension",    "schemaDir": "./schema",    "_build": {      "load": "static/remoteEntry.35b6c65bd99dab37b910.js",      "extension": "./extension"    }  },  "gitHead": "efcf380707fd57050fc781e2ce991b557ec5ac0d"}
```

**.venv/share/jupyter/labextensions/@jupyter-widgets/jupyterlab-manager/schemas/@jupyter-widgets/jupyterlab-manager/plugin.json**

```
{  "title": "Jupyter Widgets",  "description": "Jupyter widgets settings.",
  "additionalProperties": false,  "properties": {    "saveState": {
    "type": "boolean",    "title": "Save Jupyter widget state in notebooks",
    "description": "Automatically save Jupyter widget state when a notebook
is saved.",    "default": false    }  },  "type": "object"}
```

## **.venv/share/jupyter/labextensions/jupyterlab-plotly/install.json**

```
{  "schemaVersion": 1,    "name": "jupyterlab-plotly",    "version":  
"6.0.1",    "jupyterlab": {      "mimeExtension": "lib/mimeExtension.js"    }  }
```

## **.venv/share/jupyter/labextensions/jupyterlab-plotly/package.json**

```
{  "name": "jupyterlab-plotly",  "main": "lib/mimeExtension.js",  "version": "6.0.1",  "repository": {    "type": "git",    "url": "https://github.com/plotly/plotly.py"  },  "description": "The plotly Jupyter extension",  "author": "The plotly.py team",  "license": "MIT",  "scripts": {    "build:widget": "esbuild --bundle --alias:plotly.js=plotly.js/dist/plotly --format=esm --minify --outfile=../plotly/package_data/widgetbundle.js src/widget.ts",    "build:mimerenderer": "esbuild --bundle --alias:plotly.js=plotly.js/dist/plotly --format=esm --minify --outfile=lib/mimeExtension.js src/mimeExtension.ts",    "build:labextension": "jupyter labextension build .",    "build": "npm run build:widget && npm run build:mimerenderer && npm run build:labextension",    "watch": "npm run build -- --watch --sourcemap=inline",    "typecheck": "tsc --noEmit"  },  "dependencies": {    "lodash-es": "^4.17.21",    "plotly.js": "3.0.1",    "@lumino/widgets": "~2.4.0"  },  "devDependencies": {    "@jupyterlab/builder": "^4.3.6 || ^3.6.8",    "@types/plotly.js": "^2.33.4",    "esbuild": "^0.23.1",    "typescript": "^5.6.2"  },  "jupyterlab": {    "mimeExtension": true,    "outputDir": "../plotly/labextension",    "_build": {      "load": "static/remoteEntry.5153b2c003c011c482e3.js",      "mimeExtension": "../mimeExtension"    }  } }
```

## **.vscode/settings.json**

```
{  "python.testing.unittestArgs": [    "-v",    "-s",    ".",    "-p",    "*test.py"  ],  "python.testing.pytestEnabled": false,  "python.testing.unittestEnabled": true}
```

## Visualisasi data IMU2.py

```
### Visualisasi data IMUimport pandas as pdimport matplotlib.pyplot as plt
# Baca file CSVdf = pd.read_csv("data_imu_oke.csv")
# Tampilkan label unikprint("Label yang ditemukan:", df['label'].unique())
# Loop visualisasi per labelfor label in sorted(df['label'].unique()):
    subset = df[df['label'] == label].reset_index(drop=True)
    fig, axs = plt.subplots(2, 1, figsize=(14, 6), sharex=True)
    fig.suptitle(f'Sinyal IMU - Label {label}', fontsize=16)
    # Akselerometer    axs[0].plot(subset['ax'], label='Ax', alpha=0.7)
    axs[0].plot(subset['ay'], label='Ay', alpha=0.7)    axs[0].plot(subset['az'],
    label='Az', alpha=0.7)    axs[0].set_ylabel('Accelerometer (g)')
    axs[0].legend()    axs[0].grid(True)    # Gyroscope
    axs[1].plot(subset['gx'], label='Gx', alpha=0.7)    axs[1].plot(subset['gy'],
    label='Gy', alpha=0.7)    axs[1].plot(subset['gz'], label='Gz', alpha=0.7)
    axs[1].set_ylabel('Gyroscope (°/s)')    axs[1].set_xlabel('Index Sampel')
    axs[1].legend()    axs[1].grid(True)
plt.tight_layout()    plt.show()
```

## **cobaco.py**

```
import pandas as pd                                # Replace 'your_file.csv' with the path
to your CSV file df = pd.read_csv('data_imu_oke.csv')
# Display the first few rows of the DataFrame print(df.head())
```

## **copilotgittry.py**

```
import pandas as pd                                # Ganti 'nama_file.xlsx' dengan nama
file Excel yang ingin dibukafile_path = 'nama_file.xlsx'
# Membaca file Excel df = pd.read_csv(dataimu_oke.csv) # Menampilkan data
print(df)
```



## setjson.py

```
{  // >ü Tata letak & kenyamanan editor
"editor.tabSize": 4,
"editor.insertSpaces": true, "editor.rulers": [88], "editor.wordWrap": "on",
  "editor.lineNumbers": "on", "editor.formatOnSave": true,
"editor.codeActionsOnSave": { "source.organizeImports": true }, // =ü
Interpreter Python "python.defaultInterpreterPath": "${workspaceFolder}/env/
bin/python", // >ê Linting & IntelliSense
"python.linting.enabled": true, "python.linting.pylintEnabled": true,
"python.analysis.typeCheckingMode": "basic",
  // >ð Jupyter (Notebook & Lab) "jupyter.sendSelectionToInteractiveWindow":
true, "jupyter.interactiveWindowMode": "perFile",
  // =æ Virtual environment auto-detection "python.venvPath":
"${workspaceFolder}/env"}
```

## validasi\_env\_vis.py

```
import sysimport importlibimport subprocessimport osfrom platform import
python_versionfrom pathlib import Path# ' Modul yang
dibutuhkanmodules = ['numpy', 'pandas', 'matplotlib', 'seaborn', 'scipy',
'jinja2', 'scikit-learn', 'pyswarms', 'plotly', 'kaleido', 'openpyxl',
'ipykernel'] print("Validasi Environment untuk Workflow IMU")print(f"Python
Path : {sys.executable}")print(f"Python Version : {python_version()}")
print(f"Working Directory: {Path.cwd()}")
missing = []# ' Cek setiap modul for module in modules: try:
importlib.import_module(module) print(f" {module}") except
ImportError: print(f"L {module} (akan diinstal)")
missing.append(module)# ' Install modul yang belum ada
missing: print("\nMenginstal modul yang belum tersedia...")
subprocess.check_call([sys.executable, "-m", "pip", "install", *missing])else:
print("\nSemua modul sudah tersedia!")
# ' Registrasi kernel Jupyter: env_name =
Path(sys.executable).parent.parent.name display_name = f"IMU Env
({python_version()})" subprocess.check_call([sys.executable, "-m",
"ipykernel", "install", "--user", "--name", env_name, "--display-
name", display_name ]) print(f"Kernel Jupyter '{display_name}' sudah
terdaftar!")except Exception as e: print(f"Gagal registrasi kernel:
{e}")
```

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