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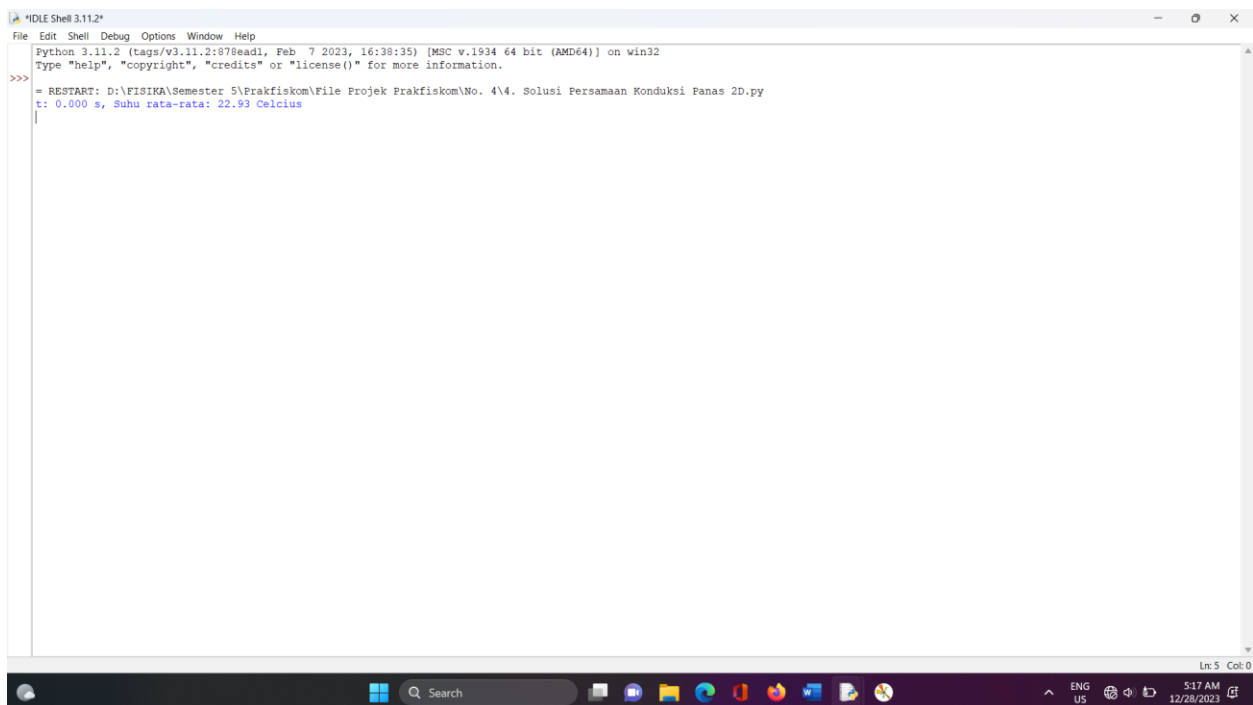
NIM : 1217030006

Jurusan : Fisika

Tugas Praktikum Fisika Komputasi

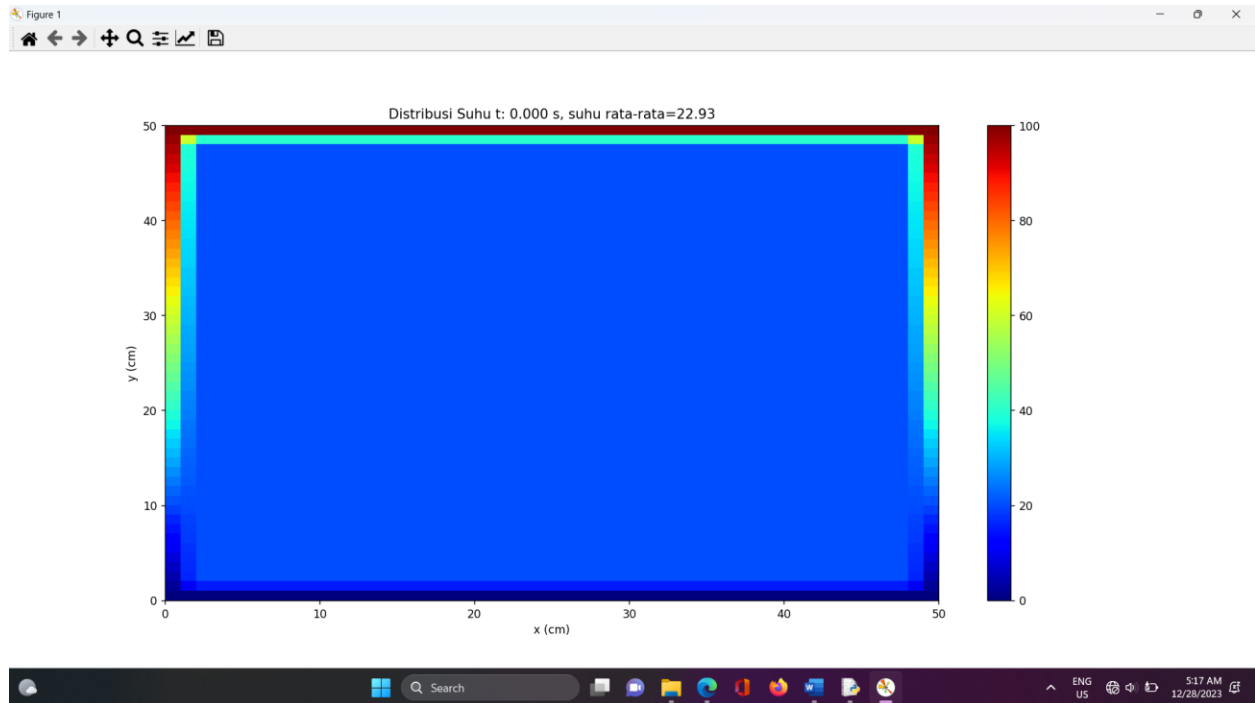
4. Hasil Plot Data 2D

4.1 Dengan $s = 0.5$ m; $a = 50$; $T[0,:] = 0$; $T[-1,:]$; $T[:,0] = \text{np.linspace}(0, 100, \text{node})$; $T[:, -1] = \text{np.linspace}(0, 100, \text{node})$



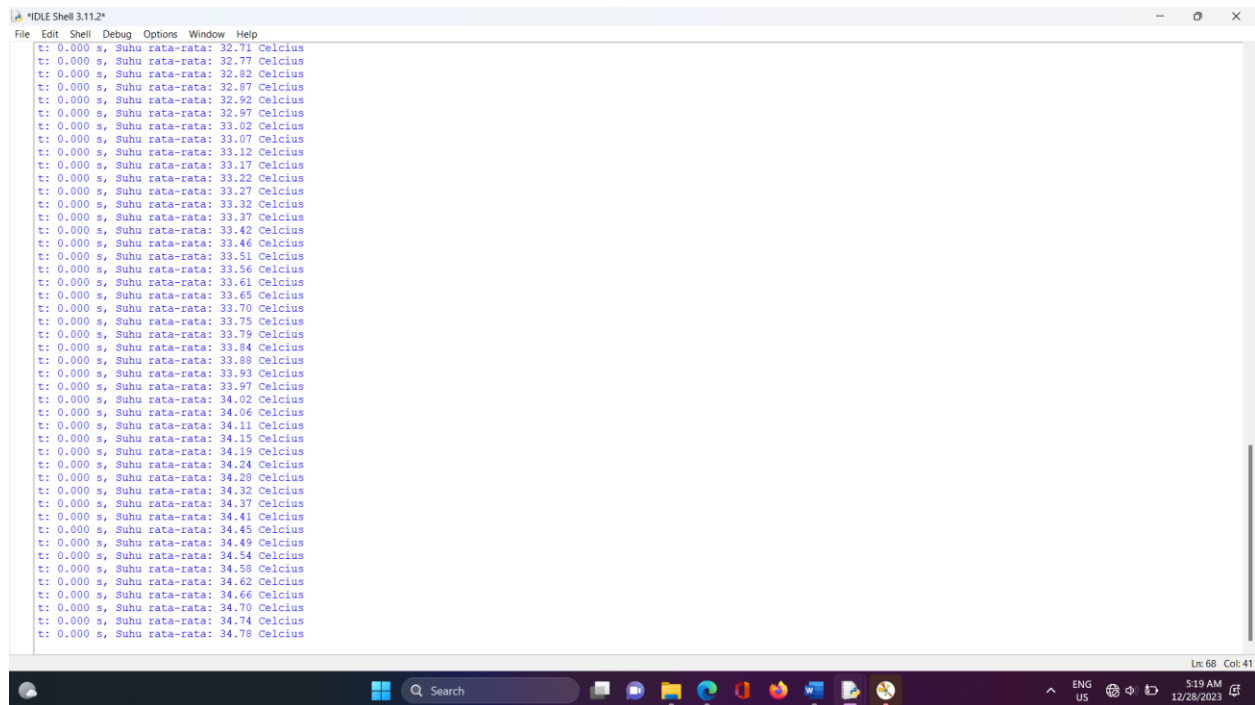
```
*IDLE Shell 3.11.2*
File Edit Shell Debug Options Window Help
Python 3.11.2 (tags/v3.11.2:878ead1, Feb 7 2023, 16:38:35) [MSC v.1934 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
* RESTART: D:\FISIKA\Semester 5\Prakfiskom\File Projek Prakfiskom\No. 4\4. Solusi Persamaan Konduksi Panas 2D.py
t: 0.000 s, Suhu rata-rata: 22.93 Celcius
|
```

4.1.1 Suhu dan Waktu

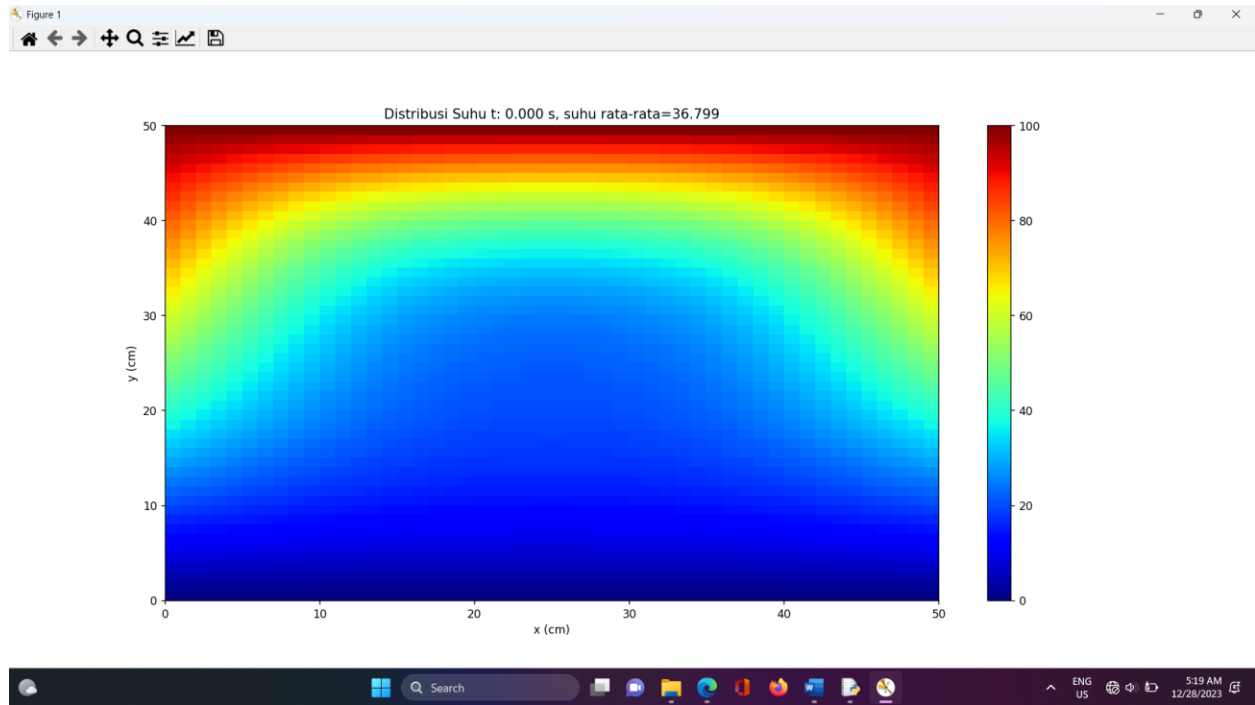


4.1.2 Plot Suhu dan Waktu

4.2 Jika waktu (t) = 1.5 s

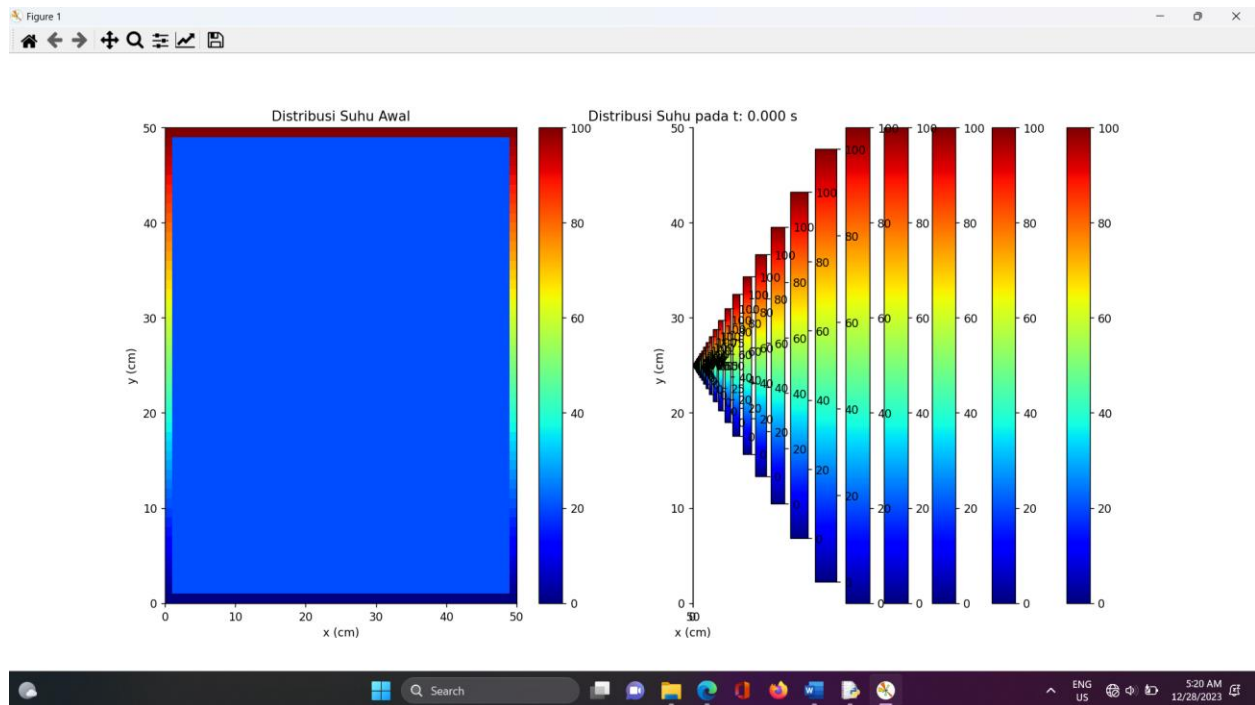


4.2.1 Suhu dan Waktu



4.2.2 Plot Suhu dan Waktu

4.3 Perbandingan Suhu Pada Waktu Tertentu dengan Waktu(t) = 0

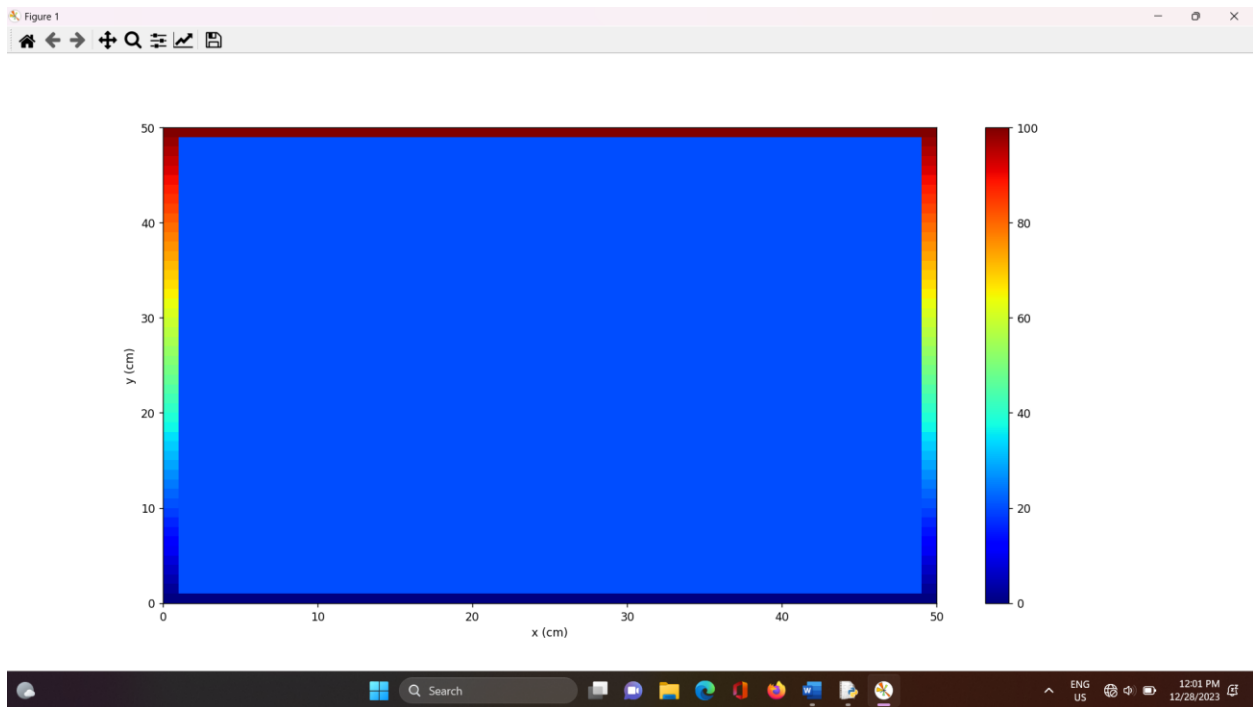


4.3.1 Plot Perbandingan Suhu Pada Waktu Tertentu dengan Waktu(t) = 0

4.4 Plot Waktu (Sumbu X) terhadap Suhu Rata-rata (Sumbu Y)

The image shows a Windows desktop environment. At the top, a terminal window titled "CMD Shell 3.112*" is open, displaying a list of system logs. Each log entry follows the format: "t: 0.001 s, Suhu rata-rata: 49.90 Celcius". The logs are repeated 30 times. Below the terminal window, the Windows taskbar is visible, featuring the Start button, a search bar, and several pinned application icons including File Explorer, Microsoft Edge, and various utility programs. The system tray on the right shows the date and time as "12:01 PM 12/28/2023" and the language set to "ENG US".

4.4.1 Suhu dan Waktu



4.4.2 Plot Suhu dan Waktu