

Sistem Operasi (Judul mata Kuliah)

Judul Pertemuan

Martin Clinton Manullang
Program Studi Teknik Informatika
February 16, 2025





► **Sample Section**

► Section Two

Formatting Examples

Subtitle Example



This is an example of **bold text**, *italic text*, and monospaced `text`.

Block Title

This is a normal block with some dummy text.

Alert Block

This is an **alert** block showing important information.

Two Column Layout Example

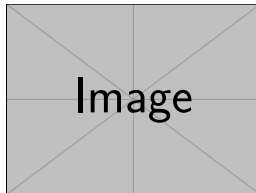


Left Column: Lists and Text

- First item with *italics*.
- Second item with **bold**.
- Third item with typewriter font.

Right Column: Table and Graphic

ID	Name	Value
1	Alpha	10
2	Beta	20
3	Gamma	30



Elaborated Table Example



Table: Dummy Data Table

Category	Count	Percentage
Category A	15	37.50%
Category B	20	50.00%
Category C	5	12.50%



► Sample Section

► **Section Two**

Python Code Examples

Sample Implementation



```
1      # This is a sample Python function
2  def calculate_factorial(n):
3      """Calculate the factorial of a number"""
4      if n == 0 or n == 1:
5          return 1
6      else:
7          return n * calculate_factorial(n - 1)
8
9  # Example usage
10 number = 5
11 result = calculate_factorial(number)
12 print(f"Factorial of {number} is {result}")
```



- Here's a sorting algorithm implementation:

```
def quick_sort(arr):  
    if len(arr) <= 1: return arr  
    pivot = arr[0]  
    left = [x for x in arr[1:] if x < pivot]  
    right = [x for x in arr[1:] if x >= pivot]  
    return quick_sort(left) + [pivot] + quick_sort(right)
```


Inline Code in Paragraphs

Text with Code Examples



When working with Python, you can create a list using square brackets like `my_list = [1, 2, 3]` or define a dictionary with `my_dict = {"key": "value"}`.

Function definitions are straightforward: `def greet(name): return f"Hello {name}"` can be used to create simple greeting functions.

For loops are common in Python: `for i in range(5): print(i)` will print numbers from 0 to 4.

Description List Example

Terms and Definitions



CPU Central Processing Unit - The primary processor that executes instructions

RAM Random Access Memory - Temporary storage for running programs

GPU Graphics Processing Unit - Specialized processor for rendering graphics

SSD Solid State Drive - Fast storage device with no moving parts



Teknik Informatika
Institut Teknologi Sumatera