

Sistem Operasi (Judul mata Kuliah)

Judul Pertemuan

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► **Sample Section**

► Section Two

► Another Section

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

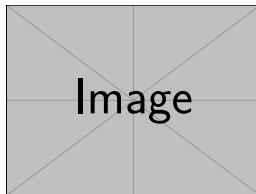


Left Column: Lists and Text

- 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%



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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



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Long Descriptive Text Example

Understanding Complex Concepts



Introduction

Complex systems can be understood through careful analysis and decomposition into smaller, manageable components.

- **Primary Concept:** The fundamental principle builds upon the interaction between multiple interconnected elements.

Long Descriptive Text Example

Understanding Complex Concepts



Introduction

Complex systems can be understood through careful analysis and decomposition into smaller, manageable components.

- **Primary Concept:** The fundamental principle builds upon the interaction between multiple interconnected elements.
- **Detailed Analysis:** Each component serves a specific purpose within the larger framework, contributing to the overall functionality of the system.

Long Descriptive Text Example

Understanding Complex Concepts



Introduction

Complex systems can be understood through careful analysis and decomposition into smaller, manageable components.

- **Primary Concept:** The fundamental principle builds upon the interaction between multiple interconnected elements.
- **Detailed Analysis:** Each component serves a specific purpose within the larger framework, contributing to the overall functionality of the system.
- **Implementation:** The practical application involves careful consideration of various factors including performance, scalability, and maintainability.



Key Considerations

When implementing complex systems, it's crucial to maintain a balance between theoretical principles and practical constraints.

Future Directions

Ongoing research continues to explore new methodologies and approaches for optimizing system performance and reliability.



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