



Introduction to Data Structure

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Course Description

- Mandatory
- Prerequisite : **Algorithm and Programming**
- 3 SKS

Syllabus

- Introduction
- Static Array
- Dynamic Array
- Linked List
- Double Linked List
- Circular Linked List
- Stack
- Queue
- Tree
- Heap Sort

Components of Value

- Presence : 10%
- Homework : 20%
- Middle Test : 30 %
- Final Test : 40%

INDEX	VALUE
A	80 < NA < 100
B	68 < NA < 79
C	56 < NA < 67
D	45 ≤ NA ≤ 55
E	0 ≤ NA ≤ 44

References

- Schaum, Data Structures
- Course PPTs

Program =

Algorithm + Data Structure

DATA

- Collection of **values**
- **The smallest part** of
information
- Data mean **plural**

DATA STRUCTURE

- Mathematical Model for **data organization**
- Represent **the fact**
- Must be **SIMPLE**

DATA TYPE

- **Predefined** data type
- **User-defined** data type



THANK YOU

GRACIAS

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