



**YOGYAKARTA STATE UNIVERSITY
FACULTY OF MATHEMATICS AND NATURAL SCIENCE**

LESSON PLAN

**RPP/MAA 319/06
1 April 2010**

1. Faculty /Study Program : Mathematics and Natural Science/Mathematics Education
2. Course / Code : Computer Programming, MAA 319
3. Credit : Theory : 2 Practice : 1
4. Semester/Time : Sem: V, Time : 2 x 100 minutes
5. Basic Competence : Students are able to compose a program to solve a problem of making decision using case-of statement
6. Indicator :
 - Students are able to use nested if statement to compose a program that contain decisions making
 - Students are able to use logical operators in statements of decisions making
 - Students are able to use boolean expressions in statements of decisions making
 - Students are able to use case-of statement to compose a program that contain decisions making
7. Essential Concepts : MAKING DECISIONS: nested if, case of
8. Learning Activity : 11

Component	Detail Activity	Time	Method	Media	References	Character
Opening	<ul style="list-style-type: none"> • Lecturer greets the students and asks some students to tell some important points of the topic in the last meeting • Lecturer describes its relation to the next one. 	5'	Explanation and Discussion	Computer, LCD	A:23-28, B.1, B.4	Thinking logically, critically, creatively, and innovatively
Main Activities	<ul style="list-style-type: none"> • Lecturer explains the basic rule of using relational operator, boolean expressions and case of statement • Students are invited to give active participation in the discussion to compose a program for a given problem in decision making using relational operator, boolean expressions and case of statement • In pair, students discuss and try their program • Students present their idea • Other students give their opinion 	75'	Explanation Demonstration, Discussion, practice, group work			Caring about social matters and environment

Closure	Student and lecturer conclude today's topic	10'				
Follow up	<ul style="list-style-type: none"> Lecturer gives assignment programming Students are asked to study further about algorithm and find many resources about them in the Internet 	10'				

Learning Activity : 12 (practice, 1 sks practice = 100')

Component	Detail Activity	Time	Method	Media	References	Character
Opening	<ul style="list-style-type: none"> Lecturer reviews of some important point in the topic Lecturer asks students to prepare their previous assignment 	5'	Explanation and Discussion	Computer, worksheet		Thinking logically, critically, creatively, and innovatively
Main Activities	Students practice to compose a program to solve some problems as in assignment from lecturer.	80'	Practice, by self/in a group		worksheet / quiz	Caring about social matters and environment
Closure	Lecturer gives feedback to the result of students' work	10'	Explanation			
Follow up	Lecturer describes the introduction of the next material Students are supposed to read the next material in handout and explore the Internet.	5'	Explanation			

9. Assessment

Rewrite your program to print the mark using case of statement.

10. References

A. Compulsory :

Sri Andayani, 2010. Handout of Computer Programming, FMIPA UNY.

B. Additional

- Jogiyanto, H.M. (1989). Turbo Pascal, Yogyakarta, Andi Offset
- <http://pascalprogramming.byethost15.com>
- <http://www.taoyue.com>
- <http://www.geocities.com/SiliconValley/Horizon/5444/>

Yogyakarta, 23 August 2010
Lecturer,

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