



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

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Lesson Plan

Course : General Biology
Code/Credit: BIO151 / 3 (Theory & Practice)
Semester : 1
Prerequisite : -

Basic Competence: 1.1 Understanding principles of general biology

Indicators:

- a. Explaining principles of biology as a discipline
- b. Giving examples biological objects
- c. Giving examples biological problems
- d. Explaining scope of biology as a discipline

Topics (Learning Content/Subject Matter): 1. Principles of general biology
2. Scope of biology as a discipline

Teaching-Approach: Discussion

Time Allocation: 4 x 50'

Syntax Teaching (Steps for Lecturer's Activity):

Compo- nen (Step)	Lecturer's Activity	Time Alloc.	Method	Media
Intro- duction	Giving examples or issues of process and product of research on biology. Explaining learning objectives and targets: are to identify biological problems and objects; explaining research methodologies on biology; and identifying types of research methodologies on biology based on the examples.	40'	Information	Presenta- tion power- point Journals
Problem and procedur finding	Facilitating student's discussion to identify biological problems and objects in the issues presented by the Lecturer Facilitating student's discussion to list steps or procedures were have done by the researcher in the each issue presented by the Lecturer	60'	Discussion and assignment	

	Facilitating student's discussion to understand steps or procedures were have done by the researcher in the each issue presented by the Lecturer Facilitating student's discussion to define research methodologies on biology. Facilitating student in searching information come from internet, about types of the research methodologies on biology			
Sharing	Facilitating student's presentation, to share idea and opinion among groups	50'	discusion	
Clarification	Guiding students to have conclusion about biological objects and problems Clarifying and reinforcing student's conclusion or summary	30'	discusion	
Follow Up	Giving students a task to collect other examples/ issues of process and product of research on biology	20'	Assignment	

References:

1. BSCS. 1996. *Biological Science (BSCS Blue Version)*. Seventh Edition (Teacher's Annotated Edition). D.C Health and Company, Lexington-Massachusetts USA
2. Cavendish. S. (1990). *Observation activities*. London: Paul Chapman Publishing Ltd.
3. Rezba, R.J., Sparague, C.S., Fiel, R.L., Funk, H.J., Okey, J.R., & Jaus, H.H. (1995). *Learning and assessing science process skills*. (3rd ed.) Iowa: Kendall/Hunt Publishing Company.
4. Singarimbun Masri & Sofyan Effendi. 1987. *Metodologi Penelitian Survai*. Yogyakarta: LP3ES

Techniques of Assessment:

An overall review (post test or discussion) : on the relationship between objects and themes of biology

(answer : connection to the BSCS diagram in the manual)

Head of Departement
Biology Education Department

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Lecturer

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