

# Teachers' Role and Teachers' Task in Biology Instruction

*Diana Rochintaniawati*

Teaching learning process or instruction involves three important aspect, teacher, student and curriculum. In implementing the curriculum, teacher plays an important role in bringing to students direction in learning. Research carried out by Archer (1999) and Abell & Smith (2003) reveal that teacher have strong influence to the improvement of student learning. Teacher preparation and teacher competency strongly correlated with student achievement (The Finance Project, 2005). In a context of instruction, teacher has task to develop lesson plan and carried out lesson plan in teaching learning process. Apart from that, there are four categories of teacher competency: pedagogical competency, professional competency which related to the teachers' knowledge of content, social competency and individual competency.

## REFERENCES:

<http://www.csun.edu/~meg75037/paper1.html>

[http://www.cct.edc.org/admin/publications/classroom/elementary\\_NSTA\\_Apendix.pdf](http://www.cct.edc.org/admin/publications/classroom/elementary_NSTA_Apendix.pdf).

[http://www.ilderness.net/library\\_documents.pdf](http://www.ilderness.net/library_documents.pdf).

[www.esera2009.org/13PreserviceScienceTeacherEducation/.../7102009102128ESERA\\_710102649\\_ESERA2009%20full%20paper\\_v3.d](http://www.esera2009.org/13PreserviceScienceTeacherEducation/.../7102009102128ESERA_710102649_ESERA2009%20full%20paper_v3.d).

## TASK:

Pease find literature review in web that explain more about for categories of teacher competency: pedagogical competency, professional competency, social competency and individual competency. Follow the activity with analyzing to what extend you need those competencies as a pre service student.

## QUIZ

1. Teacher who have competency in aspect of science content and pedagogy will perform:
  - a. Effective classroom management
  - b. Effective teaching assessment
  - c. Effective questioning skill in teaching
  - d. A, b, c, d true

2. The most important aspect of teachers' task related with biology instruction carried out in class is:
  - a. Preparing the lesson in a form of lesson plan
  - b. Conducting effective reflection to her/his teaching
  - c. Make student engage in teaching learning process
  - d. Improving content for student learning
  
3. Tania is a well behave teacher. She always wears neat clothes and respect to her colleagues and her neighbors. From this statement we can conclude that Tania has competency in category:
  - a. Social competency
  - b. Personal competency
  - c. Pedagogical competency
  - d. Professional competency
  
4. Professional competency is related to the:
  - a. Ability of teacher in comprehend the method of teaching
  - b. Ability of teacher in comprehend how to use media in teaching learning process
  - c. Ability of teacher in comprehend content of subject taught
  - d. Ability of teacher to understand his/her learners
  
5. As a teacher, one has to be able to bridge school and society. This competency is includes ad a category of:
  - a. Social competency
  - b. Personal competency
  - c. Pedagogical competency
  - d. Professional competency