

EE375 Applied Economics for Natural Resources and Environment  
Semester 1/2021 (August 9 - November 27, 2021)  
Instructor: Dr. Supawan Saelim

**Quiz 2** (5  
points)

Time: 22 September 2021 at 15:00-15:30 (30 minutes)

There are 2 questions. You need to answer all two questions. Please **submit** your answers in a PDF file with a file name "**Quiz2\_StudentID\_FirstName Surname**" via BE Moodle class before **15:40**.

Write a paragraph to answer two questions below:

**Question 1: What are the problems in water resource management?** (2.5 points)

**Question 2: What could be a source of inefficient allocation of land?** (2.5 points)

Question 1 :

1. Water scarcity

It is scarcity in available to use and scarcity in access to water resource due to failure of water management. Because there are only 2% of water in the world that is clean water, so, even there are water but maybe it couldn't be consume. Moreover, due to development of urbanization there maybe complexity in water management among country that use the same water resources that need management to make every stakeholder have same marginal benefit from water resources.

2. Inaccessible to clean water

Some area has a problem to access to the clean water so there need to be provided with water that quality is safe for using in household, drinking, cleaning and etc. There also problem in water stress that is level of water using comparing to water that they have in percentage. If there is more than 40% consider to be high water stress.

3. Water damage and increasing demand for producing energy

For producing energy from water such as dam, there are too much usage of water, more than the prediction. Moreover, some production make water contaminate and cannot reuse it anymore such as nuclear production in Japan.

4. Water quality

There is problem that some water resource are contaminate with chemical or bacteria that make this resource can not be consume. This is because of water pollution that make drinking water become more limited.

Question 2:

1. Market problem

Insecure property right mean that property right is not give to people who need the most but use first come first serve method with no cost of occupation.

2. Public sector problem

Taxation is not reflect the benefit from land use.

3. Government failure

Some policy or subsidy may increase problem further. Such as building roads.