



ONLINE FINAL EXAM FOR ACADEMIC YEAR 2019/2020
S-1 PROGRAM

Exams	: Forest Protection/SVK232	Name	:
Date and time	: Wednesday, June 10, 2020	NIM.	:
Time	: 13.00-15.00 WIB	No absence	:
Room	: google forms	prog. Study	: S1

Attention !

1. Don't forget to pray before starting the exam and after finishing the exam
 2. Read all the questions carefully before answering.
 3. Work honestly. Any form of dishonesty will be noted and taken into account in the final assessment. Keep in mind that value is not everything, but it is the process of obtaining value that will be held accountable at the end of the day.
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Forest Fires and Other Disturbances

(The number in brackets indicates the maximum value that can be obtained)

In the interior of an area, a farmer clears an area of 500 m² using fire. The condition of the cleared land is shrubs and there are several trees. Some of the land, covering an area of about 100 m², is a shallow peat area with a depth of 1-3 m. The farmer did not cut down the trees and clear the shrubs, but immediately set fire to them.

1. Can the farmer's actions be categorized as arson or fire? Why? (10) **(LO-9)**
2. If you answered 'burning' in answer No. 1, what conditions can cause what the farmer did to become a fire? (10) **(LO-10)**
3. Briefly explain what types of fires can occur as a result of the activities carried out by the farmer! (15) **(LO-9)**
4. Explain the fire behavior triangle in the farmer's activities that affect the behavior of the fire (15) **(LO-9)**
5. What heat transfer process occurs in the activities carried out by these farmers? (10) **(LO-10)**
6. What is meant by forest disturbance? Mention 6 examples of forest disturbances and explain how the examples you mention affect forest sustainability! (20) **(LO-13)**
7. What is meant by illegal logging, illegal grazing and forest encroachment? Is there a connection between the three? How are these three related to forest fires? (20) **(LO-13)**

Happy working with a happy heart

<p>Note: This question has been verified by the Head of Division, the Examination Committee</p>
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